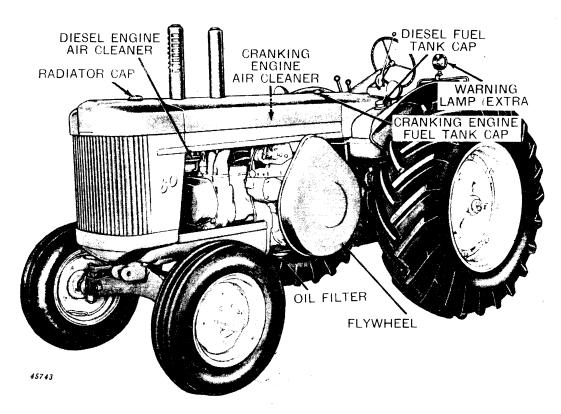
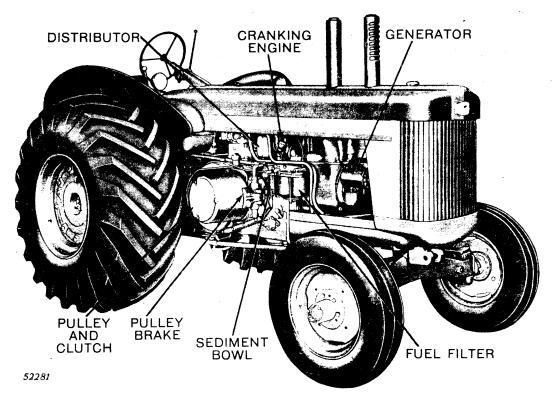


# JOHN DEERE Parts Catalog

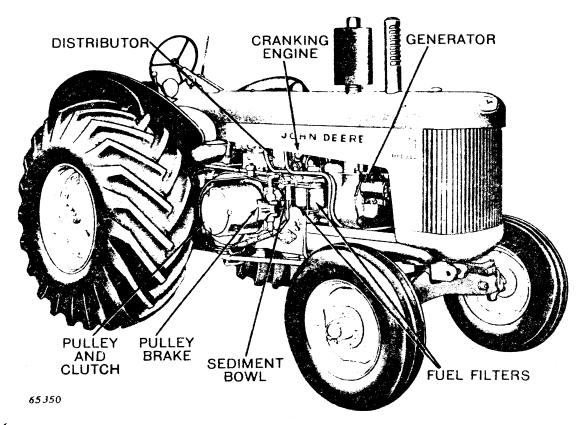
80, 820, 830 AND 830I TRACTORS



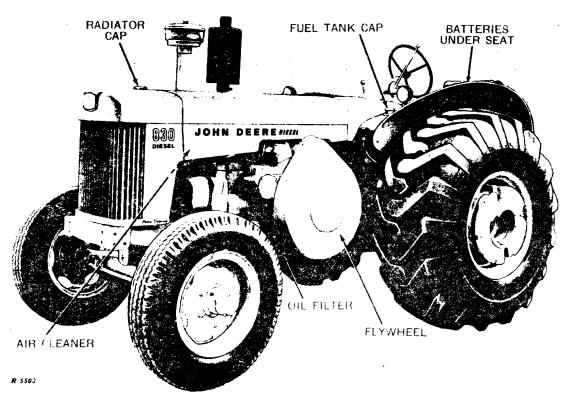
John Deere 80 Tractor (Serial No. 8000001-8199999)



John Deere 820 Tractor (Serial No. 8200000-8299999)



John Deere 830 Tractor with V-4 Gasoline Cranking Engine-(Serial No. 8300000- )



John Deere 830-I Tractor with V-4 Gasoline Cranking Engine--(Serial No. 8300000-)

### EXPLANATION OF SERIAL NUMBERS

80 Series Tractors bear Serial Numbers 8000001-8199999. 820 Series Tractors bear Serial Numbers 8200000-8299999. 830 and 830-1 Tractors bear Serial Numbers 8300000 and up. Cranking engines have separate Serial Numbers on 820, 830, and 830-1 Tractors, beginning with Serial Number 8203100. Serial number information given on any page is applicable only to parts listed and illustrated on that page. When the parentheses include only the dash...... ( ) the part is used on all 80, 820, 830, and 830-1 Tractors. the part was introduced beginning with that serial number and is still being used. When a serial number appears after the dash ....... ( -0000000the part was used up to and including that serial number but was not used after that serial number. When serial numbers appear both before and after the dash......( 0000000–0000000 ) the part was used beginning with the first serial number but was not used after the second serial num-When a serial number begins with DRCV, SRCV, or it refers to the Powr-Trol or remote cylinder, and not to the tractor.

### 830 TRACTOR STARTING METHODS

- 830 Tractors are started by one of two methods:
- (1) Gasoline cranking engine starting.
- (2) Electric cranking motor starting.

In this catalog, parts or assemblies which apply only to tractors started by gasoline cranking engine are identified by (C.E.) in the heading or description column. Parts or assemblies which apply only to tractors started by electric cranking motor are identified by (ELEC.).

### EXPLANATION OF PACKAGED PARTS

For added protection and ease of handling between the factory and branch houses and between the branch houses and most dealers, some parts which appear in this catalog, such as gaskets, are packed in packages which contain more than one of the part—usually five or ten. Dealers may order either the packages or the individual parts from the branch houses. However, when possible the package or multiples of the package should be specified.

These parts should not be confused with other packaged items which are packaged in certain quantities but cannot be ordered individually.

Both types of packaged parts are identified by a statement which appears in the Description Column.

When the statement reads "Packed 5 in a pkg." or "Packed 10 in a pkg.," etc., dealers may order either the packages or the individual parts from the branch houses. The packages bear the same part number as the individual parts.

When the statement reads "Pkg. of 2" or "Pkg. of 6," etc., the parts cannot be ordered individually. The number which appears in the Part Number Column is a "package" number and not the part number of the individual part.

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Section 15-Engine	15-2 to 15-15	Hood, Grille, and Fenders	60-2 to 60-13
Section 20—Pulley and Clutch	20-2 to 20-7	Section 65—Drawbar, Step, and	
Section 25—Cooling System	25-2 to 25-7	Seats	65-2 to 65-12
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### MEMORANDA

#### ENGINE REPLACEMENT ASSEMBLIES

```
Crankshaft with Bearing Group

This group is made up of three assemblies—(1) of crankshaft, (2) of main bearing housing with bushings and connecting rod bushings, (3) of gaskets.

Crankshaft with Bearing Group

Order: 1—AR 1402R Crankshaft

1—AR 1432R Main Bearing Housing with Bushings and Connecting Rod Bushings (8000001-8299999)
```

1—AR 1432R Main Bearing Housing with Bushings and Connecting Rod Bushings (8000001-8299999)
1—AR20594R Main Bearing Housing with Bushings, Connecting Rod Bushings, and Center Main Bearing Bushings (8300000-)
1—AR 1420R Gasket Set\*

Cylinder Block, Pistons, Rings, and Gasket Set
This group is made up of three assemblies—(1) of cylinder block, (2) of pistons with rings and pins, (3) of gaskets.
Cylinder Block, Pistons, Rings, and Gasket Group

Cylinder Block, Pistons, Rings, and Gasket Group
Order: 1—AR 1380R Cylinder Block (8000001-8203099) (Sub. AR1807R)
1—AR 1807R Cylinder Block (82031001—AR 1820R Pistons, with Rings and Pins (8000001-8203099) (Sub. for AR1385R)
1—AR 1821R Pistons, with Rings and Pins (82031001—AR 1419R Gasket Set\* (8000001-8203099)
1—AR 1889R Gasket Set\* (8203100)

Combination Cylinder Block and Crankshaft Group

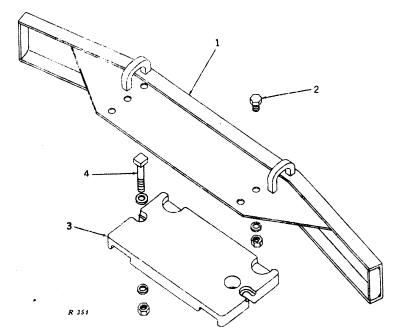
This group is made up of six assemblies (or two groups)—Crankshaft with bearings and cylinder block with pistons, rings, gaskets, etc., (1) crankshaft, (2) main bearing housing with bushings and connecting rod bushings, (3) of cylinder block, (4) pistons with rings and pins, (5 and 6) gaskets.

```
Cylinder Block and Crankshaft Group
Order: 1—AR 1380R Cylinder Block (8000001-8203099) (Sub. AR1807R)
1—AR 1807R Cylinder Block (8203100- )
1—AR 1820R Pistons, with Rings and Pins (8000001-8203099) (Sub. for AR1385R)
1—AR 1821R Pistons, with Rings and Pins (8203100- )
1—AR 1402R Crankshaft
1—AR 1432R Main Bearing Housing with Bushings and Connecting Rod Bushings (8000001-8299999)
1—AR20594R Main Bearing Housing with Bushings, Connecting Rod Bushings, and Center Main Bearing Bushings (8300000- )
1—AR 1419R Gasket Set* (8000001-8203099) (Sub. AR1889R)
1—AR 1420R Gasket Set*
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For Illustrations and Contents of Gasket Sets, See Gasket Set Groupings.

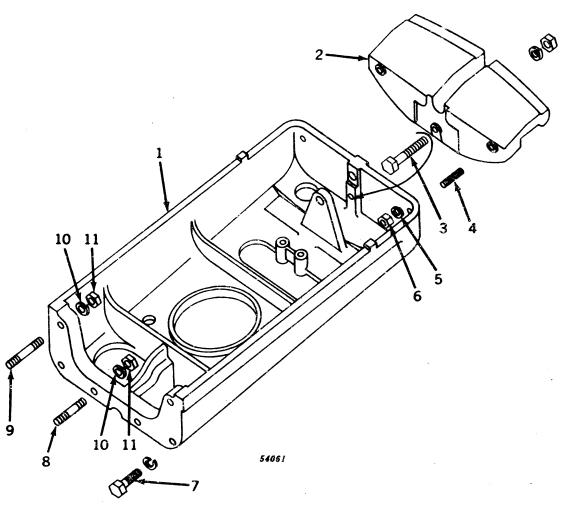
1-AR 1889R Gasket Set\* (8203100-

### FRONT BUMPER (830-I Only)



Key 1 2 3 4	Part No.  AR 21417 R 19H 1363 R 14H 404 R 12H 75 R R 21520 R 8H 1590 R 14H 400 R 12H 17 R	Serial No.	Description  Bumper with plate (do not stock) Screw, cap, high-strength, 3/4" x 1-7/8" (6 used) Nut, hex., 3/4" (6 used) Washer, lock, 3/4" (6 used) Weight, front (3 used) (do not stock) Bolt, square, 3/4" x 7-1/2" (2 used) Nut, hex., front weight to front weight support screw, 3/4" (2 used) Washer, lock, 3/4" (2 used) Washer, 25/32" x 1-7/8" x .250" (2 used)
Parts	24H 1022 R  listed below are n AR 21820 R AR 21821 R 12H 19 R 19H 1637 R A 2476 R 19H 1667 R	ot illustrated.  ( - ) ( - ) ( - ) ( - ) ( - )	Support, front bumper, R.H. (do not stock) Support, front bumper, L.H. (do not stock) Washer, lock, 7/8" (15 used) Screw, cap, 7/8" x 2", bumper support to frame, front (8 used) Screw, special cap, bumper support to frame, rear (7 used) Screw, cap, 7/8" x 2-3/4", R.H. truss rod bracket to frame

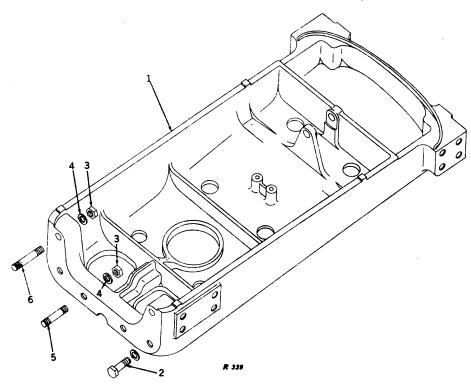
### FRONT END SUPPORT



Key	Part No.	Serial No.	Description
1	R 1530 R	( - )	Support, front end (on 8000001-8000800 also furnish one 14H760R and one 19H1650R) (on 8000001-8199999 also furnish one 19H1116N, one 19H988N, and two 14H812C)
2	R 1871 R	( - )	WEIGHT, FRONT END SUPPORT (DO NOT STOCK) (ATTACHMENT)
3	19H 1373 R	( -8000800)	Screw, cap, 5/8" x 2" (sub. for 19H1365R)
	19H 16 <b>50 R</b>	(8000801- )	Screw, cap, 5/8" x 5-1/4"
	14H 750 R	{8000801- j	Nut, 5/8", special hex. (sub. for A5772R)
	12H 15 R	i - i	Washer, lock, 5/8"
4	B 1333 R	·	Stud, 5/8" x 2-1/2" (2 used)
5	12H 15 R	- 1	Washer, look, 5/8" (2 used)
6	14H 760 R	-	Nut, 5/8", special hex. (2 used) (sub. for A5772R)
7	19H 1425 R	· .	Screw, cap, 3/4" x 2-3/4" (2 used)
	12H 17 R	ì - í	Washer, lock, 3/4" (2 used)
8	D 2266 R	· -	Stud, $3/4'' \times 3-3/4''$ (2 used)
9	F . 2236 R	ì - i	Stud, 3/4" x 4-1/2" (2 used)
10	12H 17 R	i - 1	Washer, lock, 3/4" (4 used)
11	<b>14</b> H 400 R	· ( - )	Nut, 3/4" (4 used) (sub. for A5405R)

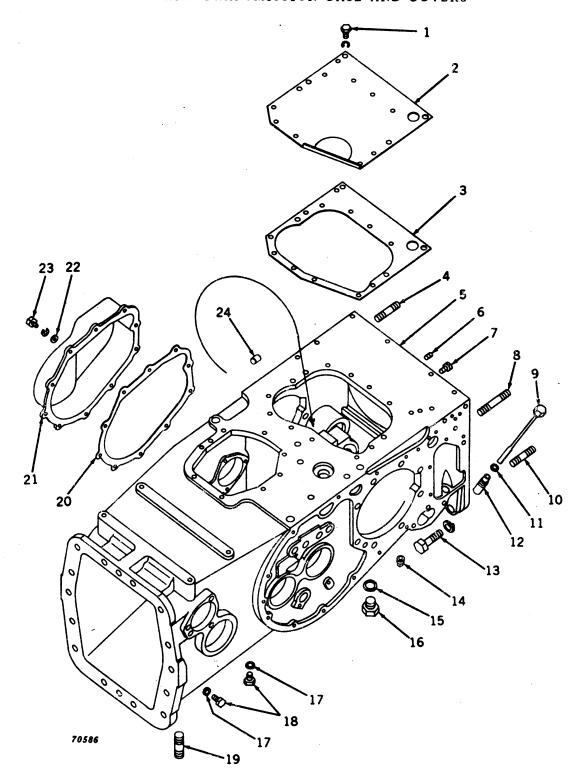
Capital letters indicate an attachment. Attachments must be listed on separate orders from replacement parts.

### FRONT END SUPPORT (830-I Only)



Kev	Pa	rt No.			Serial No.		Description
1	R	20040	R	(	-	)	Support, front end
2	19H	1425	R	į	-	)	Screw, cap, high-strength, 3/4" x 2-3/4" (2 used)
	12H	17	R	į	-	)	Washer, lock, 3/4" (2 used)
3	14H	400	R	į	-	. )	Nut, 3/4" (4 used) (sub. for A5405R)
4	12H	17	R	į	-	j	Washer, lock, 3/4" (4 used)
5	D	2266	R	į.		)	Stud, 3/4" x 3-3/4" (2 used)
6	F	2236	R	Ì		)	Stud, 3/4" x 4-1/2" (2 used)

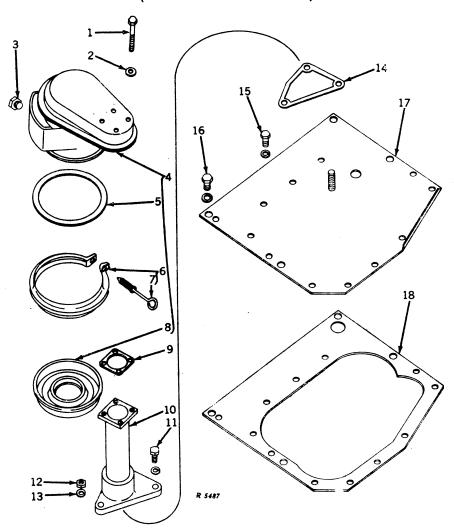
### ENGINE AND TRANSMISSION CASE AND COVERS



### ENGINE AND TRANSMISSION CASE AND COVERS -- Continued

			Donata da con
Key	Part No.	Serial No.	Description 5.46% Add 1.46
1	19H 1112 H	( - )	Screw, cap, 5/16" x 3/4" (10 used)
	12H 10 R	( - )	Washer, lock, 5/16" (10 used)
2	R 1442 R	( - )	Cover, crankcase (C.E.)
	AR <b>2046</b> 9 R	(8300000-	Cover, crankcase (elec.)
3	R 1443 R	( - )	Gasket (packed 5 in a pkg.)
4	R 1548 R	( )	Stud, 3/4" x 3-1/2" (8 used)
5	AR 1396 R	( -8199999)	Case, R1300R, engine and transmission (sub. AR20562R, AF:20563R, F3128R, R2526R, and JD7951R)
	AR 1567 R	(8200000-8299999)	Case, R2500R, engine and transmission (sub. AR20562R and AR20563R)
	AR 20562 R	(8300000-)	Case, R20470R, engine and transmission
6	R 21630 R	- )	Plug, special pipe (sub. for 15H558R)
7	R 10160 R	i - i	Plug (2 used) (sub. for \$98 and 99-7)
8	F 2236 R	· - )	Stud, 3/4" x 4-1/2" (4 used)
9	AR 1231 R	· - )	Rod, oil level, with cap
10	JD 2266 R	ì - )	Stud, 3/4" x 3-3/4" (2 used)
	F 2236 R	( - )	Stud, 3/4" x 4-1/2" (2 used)
11	R 1590 R	( - )	Gasket (packed 5 in a pkg.)
12	R 1589 R	( - )	Tube, crankcase oil level rod
13	19H 1425 R	( - )	Screw, cap, 3/4" x 2-3/4" (2 used)
	12H 17 R	( - )	Washer, lock, 3/4" (2 used)
14	15H 238 R	(8300000-	Plug, pipe, 3/4"
15	A 4827 R	( - )	Washer
16	F 1250 R	- <b>81</b> 99999)	Plug (sub. F3128R)
	F 3128 R	(8200000- )	Plug
17	A 3439 R	i - )	Washer (2 used) (packed 10 in a pkg.)
18	19H 314 R	( - )	Screw, cap, 7/16" x 1-1/2" (2 used)
<b>1</b> 9	R 2519 R	( - )	Stud, 7/8" x 3-11/16" (4 used) (sub. for R580R)
20	R 1502 R	( - )	Gasket (packed 5 in a pkg.)
21	R 1501 R	( - )	Cover, first speed gear
22	24H 550 R	.( - )	Washer, 13/32" x 1-1/16" x 11 gauge (10 used)
23	F 2272 R	( - )	Screw, special cap (10 used)
	12H 11 R	( - )	Washer, lock, 3/8" (10 used)
24	R 20423 R	(8300000-	Pin, dowel

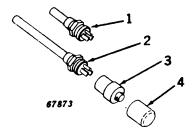
## CRANKCASE COVER AND BREATHER (Elec.) (Serial No. 8300000-)



Key	Part No.	Serial No.		Description
1	19H 1780 R	(8300000-	)	Screw, cap, high-strength, 1/4" x 2-3/8" (4 used)
2	F 2116 R	(8300000-	í	Washer (copper) (4 used) (packed 2 in a pkg.)
3	B 2986 R	(8300000-	í	Plug, cap
4	AF 3737 R	(8300000-	)	Breather, crankcase and air cleaner (sub. for AR20326R and AR21524R)
5	F 2190 R	(8300000-	1	Gasket
6	AB 1629 R	(8300000-	١	Clamp, with bolt
7	B 1569 R	(8300000-	ί.	Bolt, clamp
Ŕ	R 1906 R	(8300000-	ί.	Cup, oil
<b>8</b> 9	F 2115 R	(8300000-	<b>7</b>	Gasket (packed 2 in a pkg.)
10	AR 21691 R	(8300000-	′	Support
11	F 2270 R	(8300000-	ζ.	Screw, special cap (packed 10 in a pkg.)
4.3	12H 10 R	(8300000-	(	Washer, lock, 5/16"
12	14H 785 R	(8300000-	(	Nut, 5/16" (2 used)
13	12H 10 R	(830000-	(	Washer, lock, 5/16" (2 used)
		•	!	
14	R 20226 R	(8300000-	)	Gasket (packed 2 in a pkg.)
15	19H 1112 H	(8300000-	)	Screw, cap, high-strength, 5/16" x 3/4" (2 used)
	12H 10 R	(8300000-	)	Washer, lock, 5/16" (2 used)
16	19H 317 R	ì8300000-	j	Screw, cap, 7/16" x 3/4" (2 used)
	12H 12 R	(8300000-	í	Washer, lock, 7/16" (2 used)
17	AR 20469 R	(8300000-	ί.	Cover, crankcase, with weld screws
18	R 1443 R	(8300000-	)	Gasket (packed 2 in a pkg.)

)

### OIL HEATER (Serial No. 8200000-



Part No.	Serial No.		Description
AR 21021 R	(8200000-	)	ELEMENT, 140-WATT OIL HEATING, WITH CAP AND CONNECTOR
			(ATTACHMENT)
AR 21019 R	(8300000-	)	ELEMENT, 240-WATT OIL HEATING, WITH CAP AND CONNECTOR
		-	(ATTACHMENT) (830 and 830-I only)
AR 21024 R	(8200000-	)	Connector, heating element
R 20878 R	(8200000-	j	Cap, heating element
	AR 21021 R AR 21019 R AR 21024 R	AR 21021 R (8200000- AR 21019 R (8300000- AR 21024 R (8200000-	AR 21021 R (8200000- )  AR 21019 R (8300000- )  AR 21024 R (8200000- )

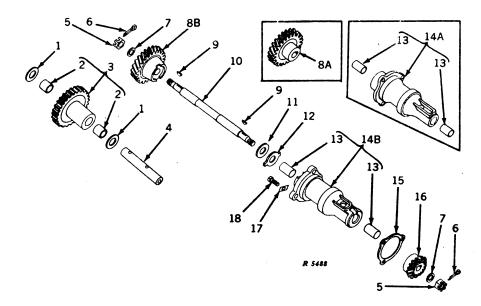
### WATER HEATER (Serial No. 8200000-



Key	Part No.	Serial No.		Description
1	AR 21022 R	(8200000-	)	ELEMENT, 500-WATT WATER HEATING, WITH CAP AND CON-
				NECTOR (ATTACHMENT)
2	AR 21020 R	(8300000-	)	ELEMENT, 1000-WATT WATER HEATING, WITH CAP AND CON-
				NECTOR (ATTACHMENT) (830 and 830-I only)
3	AR 21024 R	(8200000-	)	Connector, heating element
4	R 20878 R	(8200000-	)	Cap, heating element

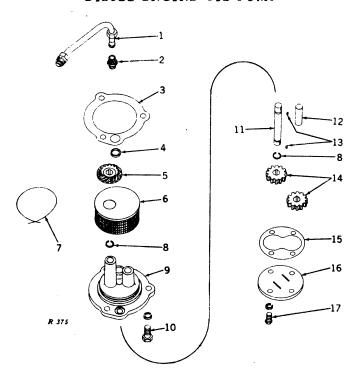
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### FAN AND ENGINE OIL PUMP DRIVE



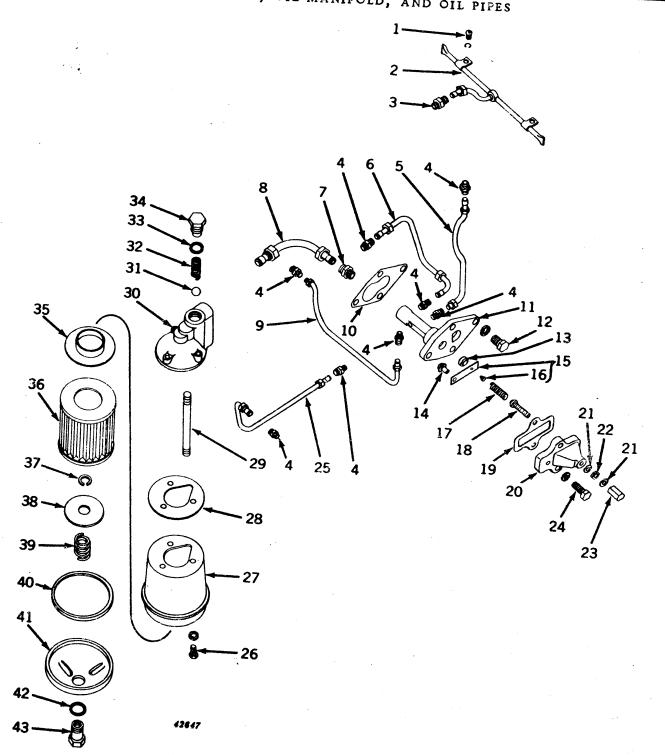
Key	Pa	rt No.	Serial No.	Description
1	R	781 R	( - )	Washer, thrust (2 used)
2	AR	1479 R	( - )	Bushing (set of 2) (one set used) (sub. for two R192R)
3	AR	384 R	i - 5	Gear, R191R, fan and oil pump drive idler, with bushings
4	R	366 R	i - i	Shaft, fan and oil pump drive idler gear
4 5	С	1387 R	ì - 5	Nut (2 used) (packed 10 in a pkg.)
6	11H	236 R	ì - ì	Pin, cotter, 1/8" x 1" (2 used) (sub. for 11H41R)
7	В	2274 R	i - i	Washer (2 used)
8A	R	1325 R	( - <b>82</b> 03099)	Gear, fan and oil pump drive (sub. R2715R and AR1828R)
8B	R	2715 R	(8203100-	Gear, fan and oil pump drive
9	26H	17 R	( - )	Key, Woodruff, 3/16" x 7/8" (2 used)
10	AR	1122 R	i - j	Shaft, fan and oil pump drive, with nut
11	R	198 R	( - j	Washer, shim, .0025" (2 used)
12	R	197 R	( - )	Washer, thrust
13	F	3162 R	( - )	Bushing (2 used) (sub. for R10cR)
14A	AR	1354 R	( -8203099)	Quill, R1868R, fan and oil pump drive shaft, with bushings (sub.
			•	R2715R and AR1828R)
14B	AR	1828 R	(8203100- )	Quill, R2714R, fan and oil pump drive shaft, with bushings
15	R	202 R	( - )	Shim, .005", paper (packed 2 in a pkg.)
	R	204 R	( - )	Shim, .018", steel
16	F	1822 R	( - )	Gear, fan and oil pump drive bevel
17	H	246 R	( - )	Plate, lock (3 used)
18	19H	218 N	( - )	Screw, cap, 3/8" x 1" (3 used) (sub. for 19H211R)

### DIESEL ENGINE OIL PUMP



Key	Pa	art No.	Serial No.	Description
1	AR	1225 R	( - )	Pipe, oil pump discharge
2 3	D	2440 R	( - )	Connector
3	R	1575 R	( - )	Shim, .005" (paper) (packed 10 in a pkg.)
	R	1577 R	( - )	Gasket (packed 10 in a pkg.)
4	R	15 <b>7</b> 8 R	( - )	Gasket (packed 5 in a pkg.)
5	R	220 R	. ( - )	Gear, bevel, oil pump drive
6	AR	1223 R	( - )	Screen, oil pump
7			( - )	Wire, 16 gauge x 15" long
<b>8</b> 9	В	387 R	( - )	Snap ring (2 used) (packed 5 in a pkg.)
9	R	1573 R	( - )	Body, oil pump
10	19H	456 R	( - )	Screw, special cap, 1/2" x 1-3/8" (3 used)
	12H	13 R	( - · )	Washer, lock, 1/2" (3 used)
11	R	1574 R	( - )	Shaft, oil pump drive
12	R	400 R	( - )	Shaft, oil pump idler gear
13	26H	70 R	( - )	Key, Woodruff, 1/8" x 1/2" (2 used)
14	AR	881 R	( - )	Gear, oil pump (pkg. of 2) (1 pkg. used) (sub. for R398R)
15	В	246 R	( - )	Gasket (packed 5 in a pkg.)
16	В	247 R	( - )	Cover, oil pump
17	19H	218 N	( - )	Screw, cap, high-strength, 3/8" x 1" (4 used)
	12H	11 R	( - )	Washer, lock, 3/8" (4 used)

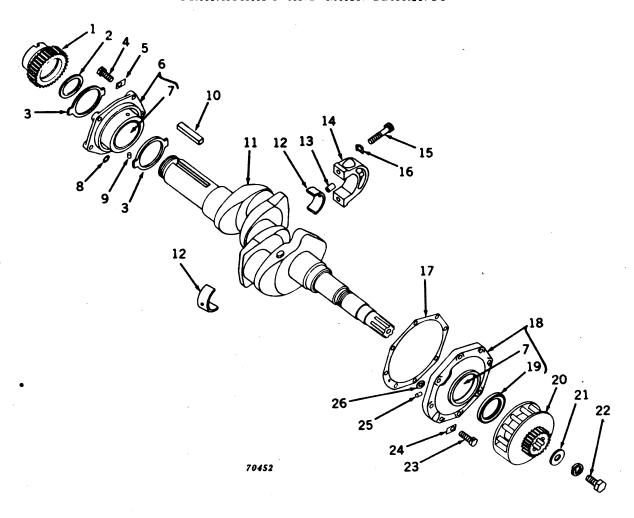
# OIL FILTER, OIL MANIFOLD, AND OIL PIPES



### OIL FILTER, OIL MANIFOLD, AND OIL PIPES -- Continued

Key	Part No.	Serial No.	Description
. 1	21H 597 R	( - )	Screw, mach., 1/4" x 1/2" (2 used)
_	12H 9 R	( - )	Washer, lock, 1/4" (2 used)
2	AR 1132 R	( - )	Pipe, oiler, tappet lever, with clips
3	E 1994 R	( - )	Connector
4	A 258 R	( - )	Connector (8 used)
5	AR 1230 R	( - )	Pipe, oil, camshaft
6	AR 1229 R	( - )	Pipe, oil, center main bearing
7	D 2440 R	( - )	Connector
8	AR 1226 R	( - )	Pipe, oil filter discharge
9	AR 1228 R	( - )	Pipe, oil, main bearing, L.H.
10	R 1580 R	( - )	Gasket (packed 5 in a pkg.)
11	R 1579 R	( - )	Manifold, oil
12	19H 337 N	( - )	Screw, cap, 7/16" x 1-1/4" (2 used)
	12H 12 R	( - )	Washer, lock, 7/16" (2 used)
13	F 3468 R	( - )	Bushing, oil pressure relief valve (sub. for B2568R)
14	16H 663 A	( - )	Rivet, 1/4" x 5/8"
15	AB 3453 R	( - )	Spring, leaf, oil pressure relief valve, with pilot
16	D 2425 R	( - )	Pilot, oil pressure relief valve spring
17	R 741 R	( - )	Spring, oil pressure adjusting
18	B 2307 R	( - )	Screw, oil pressure adjusting
<b>1</b> 9	B 2308 R	( - )	Gasket (packed 2 in a pkg.)
20	AR 452 R	( - )	Housing, B2305R, oil pressure relief valve, with spring and adjusting
			screw
21	A 3098 R	( -8000774)	Washer (2 used) (packed 2 in a pkg.)
	A 53 <b>64</b> R	(8000775- )	Washer (2 used) (packed 5 in a pkg.)
22	14H 732 R	( - )	Nut, jam, 3/8"
23	B 427 R	( - )	Nut, cap (packed 10 in a pkg.)
24	19H 352 T	( - )	Screw, cap, 7/16" x 1-3/4" (2 used) (sub. for 19H345T)
	12H 12 R	( - )	Washer, lock, 7/16" (2 used)
25	AR 1227 R	( - )	Pipe, oil, main bearing, R.H.
26	19H 99 R	( - )	Screw, cap, 5/16" x 9/16" (3 used)
	12H 10 R	( - )	Washer, lock, 5/16" (3 used)
27	R 1566 R	( - )	Body, oil filter
28	R 1568 R	( - )	Gasket (packed 5 in a pkg.)
29	R 1569 R	( - )	Stud, 1/2" x 7-1/8"
30	R 1567 R	( - )	Head, oil filter
31	A 174 R	( - )	Ball, oil filter bypass valve
32	F 3463 R	( -8304063)	Spring, oil filter bypass valve (sub. for D2001R) (sub. R21635R, B439R, and 24H156R)
	B 439 R	(8304064- )	Spring, oil filter bypass valve
	24H 156 R	(8304064-	Washer, oil filter bypass valve
33	A 521 R	· -	Washer (copper)
34	D 2428 R	( -8304063)	Cap, oil filter bypass valve (sub. R21635R, B439R, and 24H156R)
-	R 21635 R	(8304064-	Cap, oil filter bypass valve
35	R 1570 R	·	Outlet, oil filter
36	AR 1400 R	} -	Element, oil filter (carton of 2)
37	A 2444 R	i - i	Snap ring (packed 10 in a pkg.)
38	A 2529 R	` - `	Plate, oil filter bottom
<b>3</b> 9	F 2105 R	· - · ·	Spring
40	R 1572 R	i - i	Gasket (packed 5 in a pkg.)
41	R 1571 R	} - 5	Cover, oil filter
42	A 521 R	<b>`</b> - <b>`</b>	Washer (copper)
43	AF 2889 R	ì - 5	Nut (sub. for A2575R)

### CRANKSHAFT AND MAIN BEARINGS



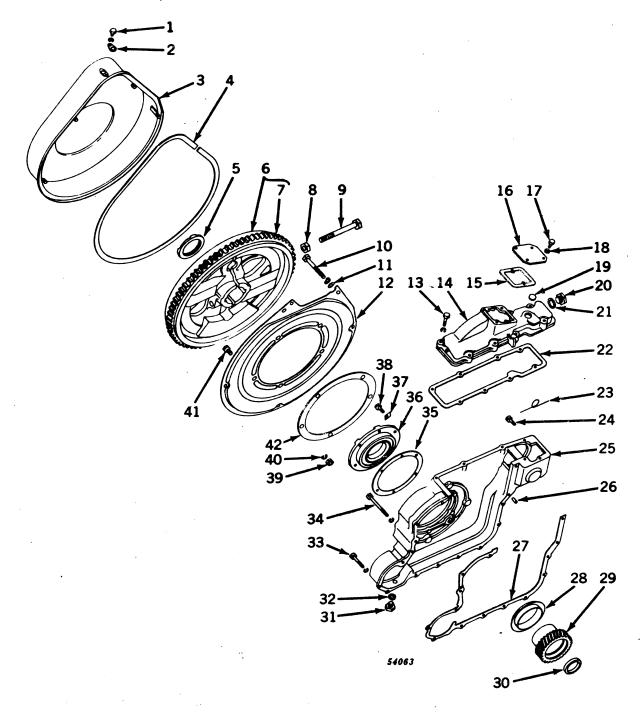
#### CRANKSHAFT AND MAIN BEARINGS -- Continued

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Key
             Part No.
                                       Serial No.
                                                                                Description
          R
                 1408 R
                                                             Gear, crankshaft
          R
                   353 R
  2
                                                             Packing (rubber) crankshaft gear (packed 2 in a pkg.)
  3
          R
                 1407 R
                                                             Washer, thrust (2 used)
  4
          19H
                 1356 R
                                                             Screw, cap, 5/8" x 1-3/4" (5 used)
  5
          R
                 1887 R
                                                             Plate, lock (5 used)
          AR
                 1153 R
                                                             Housing, R1403R, L.H., main bearing, with bushing (exchange
                                                                credit allowable)
          AR
                 1415 R
                                                             Housing, R1403R, L.H., main bearing, with .002" undersize bushing
                                                       )
                                                                (exchange credit allowable)
          AR
                 1417 R
                                                             Housing, R1403R, L.H., main bearing, with .004" undersize bushing
                                                       )
                                                                (exchange credit allowable)
                                                             Bushing, main bearing (2 used) (To be sized after installing in housing. Always provide .0055" to .0075" clearance.)
  7
          R
                 1404 R
  8
                 4847 R
                                                             Gasket (packed 5 in a pkg.)
                 3959 R
          Α
                                                             Pin, dowel
 10
          R
                  343 R
                                                             Key (2 used)
                 1402 R
 11
          AR
                                                             Crankshaft, R1303R, with nut
12
          AR
                 1403 R
                                           -8299999)
                                                             Bearing, center main (pkg. of 2 halves) (1 pkg. used)
                                                            Bearing, center main, .002" undersize (pkg. of 2 halves) (1 pkg. used)
Bearing, center main, .004" undersize (pkg. of 2 halves) (1 pkg. used)
Bearing, center main, .020" undersize (pkg. of 2 halves) (1 pkg. used)
Bearing, center main, .020" undersize (pkg. of 2 halves) (1 pkg. used)
                 1404 R
          AR
                                           -8299999)
                 1405 R
          AR
                                           -8299999)
                 1406 R
          AR
                                           -82999991
                 1407 R
                                                             Bearing, center main, .022" undersize (pkg. of 2 halves) (1 pkg. used)
          AR
                                           -8299999)
                                                            Bearing, center main, .030" undersize (pkg. of 2 halves) (1 pkg. used)
Bearing, center main, .032" undersize (pkg. of 2 halves) (1 pkg. used)
          AR
                 1408 R
                                           -8299999)
                                            -82999999
                 1409 R
          AR
          AR 20563 R
                                 (8300000-
                                                             Bearing, center main (pkg. of 2 halves) (1 pkg. used)
          AR
               20597 R
                                 (8300000-
                                                             Bearing, center main, .002" undersize (pkg. of 2 halves) (1 pkg. used)
                                                            Bearing, center main, .004" undersize (pkg. of 2 halves) (1 pkg. used)
Bearing, center main, .020" undersize (pkg. of 2 halves) (1 pkg. used)
               20598 R
          AR
                                 (8300000-
          AR 20599 R
                                 (8300000-
                                                            Bearing, center main, .022" undersize (pkg. of 2 halves) (1 pkg. used)
          AR 20600 R
                                 (8300000~
                                                            Bearing, center main, .030" undersize (pkg. of 2 halves) (1 pkg. used)
Bearing, center main, .032" undersize (pkg. of 2 halves) (1 pkg. used)
          AR 20601 R
                                 /8300000-
          AR
              20602 R
                                 (8300000-
               20422 R
                                                            Pin, hollow dowel
13
         R
14
                                                            Cap, center main bearing (not furnished)
                                                            Screw, special cap (2 used) (sub. 19H1470R and A5361R)
Screw, cap, 5/8" x 3-1/2" (2 used)
15
          R
                 1302 R
                                           -8000492)
               1470 R
                                i8000493-8299999j
         19H
                                                            Screw, special cap (2 used)
Wire, 16 gauge x 15" long
Plate, lock (2 used) (packed 5 in a pkg.)
                  568 R
                                (8300000-
         В
                                           -8000492)
16
                5361 R
         A
                                                            Gasket (packed 5 in a pkg.)
17
         R
                 1406 R
                                                            Housing, R1402R, R.H., main bearing, with bushing and oil seals (also furnish one A4847R gasket) (exchange credit allowable)
         AR
                 1410 R
18
                                                      )
                                                            Housing, R1402R, R.H., main bearing, with .002" undersize bushing
         AR
                1414 R
                                                      )
                                                               and oil seals (also furnish one A4847R gasket) (exchange credit
                                                               allowable)
                                                            Housing, R1402R, R.H., main bearing, with .004" undersize bushing and oil seals (also furnish one A4847R gasket) (exchange credit
         AR
                1416 R
                                                      )
                                                               allowable)
                                                            Seal, oil (2 used) (sub. for AF2046R)
19
         AF
                2426 R
20
         R
                1853 R
                                                            Disk, clutch drive
                                                            Washer (sub. for D141R and F2646R)
21
         R
               20136 R
                                                            Screw, cap, 3/4" x 2-1/4"
         19H 1391 R
22
                                                            Washer, lock, 3/4"
Screw, cap, 5/8" x 1-3/4" (7 used)
                   17 R
         12H
                1356 R
23
         19H
                1887 R
                                                            Plate, lock (8 used)
24
         R
                3959 R
25
                                                            Pin, dowel
         Α
26
         A
                4847 R
                                (8200000-
                                                            Gasket (packed 2 in a pkg.)
Part listed below is not illustrated.
                                                            Gasket kit, crankshaft and bearing replacement (see gasket kit group-
         AR 1420 R
                                                      )
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ing for illustrations and contents)

1 :

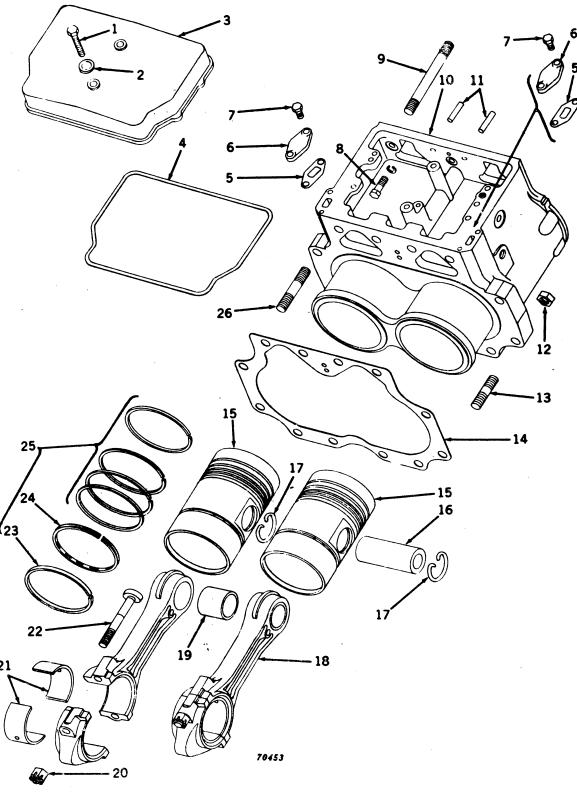
### FLYWHEEL, FLYWHEEL COVER, AND TIMING GEAR HOUSING



### FLYWHEEL, FLYWHEEL COVER, AND TIMING GEAR HOUSING -- Continued

Key	Part No.	Serial No.	Description
1	19H 11 R	( - )	Screw, cap, 1/4" x 3/8"
	12H 9 R	( - )	Washer, lock, 1/4"
2	A 4272 R	( ~ )	Cover, oil hole
3	<b>AR 1151</b> R	( - )	Cover, flywheel
4	R 1411 R	( -8002163)	Felt, flywheel cover
	R 1937 R	(8002164- )	Felt, flywheel cover
5	R 345 R	( - )	Nut, lock, flywheel
6	AR 1104 R	( - )	Flywheel, R1304R, with starter gear (C.E.)
	AR 20491 R	( - )	Flywheel, R1304R, with starter gear (elec.)
7	R 342 R	( - )	Gear, flywheel starter (C.E.)
	R 20360 R	( - )	Gear, flywheel starter (elec.)
8	14H 801 R	( - )	Nut, 7/8" (2 used)
9	8H 23 <b>75</b> R	( - )	Bolt, mach., 7/8" x 7" (2 used)
10	19H 1112 H	( - )	Screw, cap, 5/16" x 3/4" (2 used)
	12H 10 R	( - )	Washer, lock, 5/16" (2 used)
11	24H 143 R	( - )	Washer, 21/64" x 3/4" x 16 gauge (2 used)
12	R 1409 R	( - )	Plate, flywheel cover back (C.E.)
	R 20361 R	( - )	Plate, flywheel cover back (elec.)
13	19H 255 N	( - )	Screw, cap, 3/8" x 2" (8 used) (sub. for 19H256R)
	12H 11 R	( - )	Washer, lock, 3/8" (8 used)
14	R 1342 R	( - )	Cover, timing gear housing
15	R 1657 R	( - )	Gasket (packed 2 in a pkg.)
16	R 1546 R	( - )	Cover (tractors without Powr-Trol)
17	19H 1255 T	( - )	Screw, cap, 3/8" x 5/8" (4 used) (tractors without Powr-Trol) (sub. for 19H199R)
18	A 3098 R	- )	Washer (aluminum) (4 used) (packed 5 in a pkg.) (tractors without Powr-Trol)
19	30H 21 T	( - )	Plug, expansion, 1-1/2"
20	R 20168 R	( - )	Plug, timing gear housing cover (sub. for R1866R)
21	H 356 R	( - )	Washer (aluminum)
22	R 1343 R	( - )	Gasket (packed 5 in a pkg.)
23		( - )	Wire, 16 gauge x 9 <sup>st</sup> long
24	.A 310 R	( - )	Screw, cap, 7/16" x 1-1/4" (drilled)
25	R 1340 R	( - )	Housing, timing gear
26	A 120 R	( - )	Pin, dowel (2 used)
27	R 1341 R	( - )	Gasket (packed 2 in a pkg.)
28	R 354 R	( - )	Slinger, crankshaft oil
29	R 1408 R	( - )	Gear, crankshaft
30	R 353 R	( - )	Packing (rubber) crankshaft gear (packed 2 in a pkg.)
31	R 228 R	( - )	Plug
32	R 229 R	( - )	Washer
33	19H 1092 M	( - )	Screw, cap, 7/16" x 2-1/4" (10 used) (sub. for 19H363R)
	12H 12 R	( - )	Washer, lock, 7/16" (10 used)
34	19H <b>1687</b> R	( )	Screw, cap, high-strength, 7/16" x 4-3/4" (2 used)
	12H 12 R	( - )	Washer, lock, 7/16"
35	R 356 R	( - )	Gasket (packed 2 in a pkg.)
36	R 355 R	( <sub>1.1</sub> - )	Housing, crankshaft oil slinger
37	R 1888 R	( - )	Plate, lock (6 used)
38	19H 218 N	( - )	Screw, cap, 3/8" x 1" (6 used) (sub. for 19H211R)
<b>3</b> 9	14H 812 C	( - )	Nut, 3/8" (5 used) (sub. for 14H255R)
40	12H 11 R	( - <u>)</u>	Washer, lock, 3/8" (5 used)
41	JD 19 R	( - )	Bolt (6 used) (packed 20 in a pkg.)
42	R 1938 R	(8003426- )	Gasket (packed 5 in a pkg.)

### CYLINDER BLOCK, CONNECTING RODS, AND PISTONS

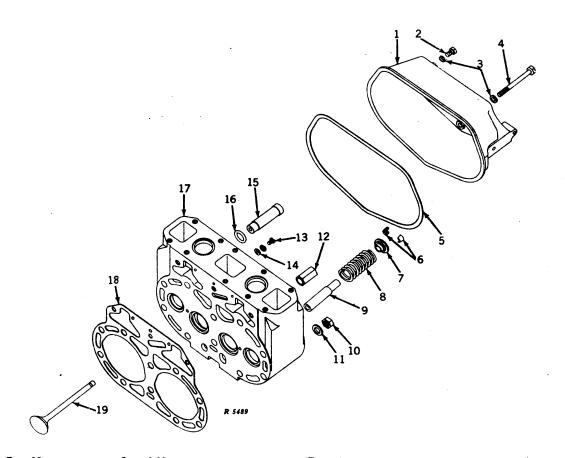


Key 1 2	Part No. 19H 1253 R A 3439 R A 3439 R	Serial No. ( - ) ( -8199999) (8200000 - )	Description Screw, cap, 7/16" x 3-1/2" (2 used) Washer (2 used) (sub-field 10 in a relean) Washer (2 used) (packed 10 in a relean)
.3	R 1332 R R 21063 R	(8200000- ( -8299999) (8300000- )	Washer (2 used) (packed 10 in a pkg.) Cover, cylinder Cover, cylinder

### CYLINDER BLOCK, CONNECTING RODS, AND PISTONS -- Continued

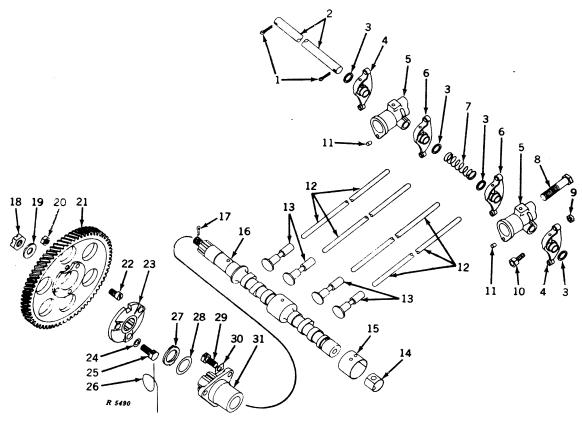
Key	T	art No.	Contal Ma	Description
4	R	1335 R	Serial No.	Description Gasket (packed 2 in a pkg.)
5	R	1535 R	· ( · · · · )	Gasket (2 used) (packed 10 in a pkg.) (elec.)
6	R	20481 R	· ( - )	Cover (2 used) (elec.)
7	19I		( - )	Screw, cap, high-strength, 3/8" x 1" (4 used) (elec.)
0	12F		( - )	Washer, lock, 3/8" (4 used) (elec.)
8	19H 12H		} - }	Screw, cap, 1/2" x 1-1/2" (3 used) (sub. for 19H457R) Washer, lock, 1/2" (3 used)
9	R	1254 R	} - \	Stud, 3/4" x 7-7/16" (10 used) (packed 5 in a pkg.)
10	AR		-8203099)	Cylinder, R1330R, with studs and guide (sub. AR1807R)
	AR	1807 R	(8203100- )	Cylinder, R2702R, with studs, pins, and guide
11	A	4879 R	(8203100-	Pin, dowel (2 used)
12	14F	1 400 R 1548 R	( - )	Nut, 3/4" (12 used) (sub. for A5405R)
13 14	R R	1348 R 1333 R	} - {	Stud, 3/4" x 3-1/2" (8 used) Gasket (packed 5 in a pkg.)
15	AR		-8203099)	Piston, two AR1824R, with rings and pins (sub. for AR1385R and
			(	AR1352R)
	AR	1822 R	( -8203099)	Piston, two AR1826R, .045" oversize, with rings (sub. for AR1386R and AR1387R)
	AR		(8203100-)	Piston, two AR1825R, with rings and pins
	AR		(8203100-	Piston, two AR1827R, .045" oversize, with rings
	AR		( -8203099)	Piston (one piston only)
16	AR F	1825 R 1794 R	(8203100-	Piston (one piston only) Pin, piston (2 used) (packed 2 in a pkg.) (sub. two for one AF2221R)
•0	F	2178 R	} - }	Pin, piston, .003" oversize (marked with yellow) (2 used) (packed 2
	_		,	in a pkg.) (sub. two for one AF2222R)
	F	<b>217</b> 9 R	( - )	Pin, piston, .005" oversize (marked with red) (2 used) (packed 2 in a
	_			pkg.) (sub. two for one AF2223R)
17 18	R AR	239 R 1142 R	( - ) ( -8199999)	Snap ring (4 used)
10	AR		(8200000-	Rod, R1386R, connecting, with piston pin bushing only (2 used) Rod, R2511R, connecting, with piston pin bushing only (2 used)
<b>1</b> 9	R	1884 R	(0200000-	Bushing, piston pin (2 used) (sub. two for one AR1395R)
20	R	1236 R	<b>}</b> - 5	Nut, special lock (4 used) (packed 10 in a pkg.)
21	AR	1388 R	( - )	Bearing, connecting rod (pkg. of 2 halves) (2 pkgs. used)
	AR	<b>138</b> 9 R	( - )	Bearing, connecting rod, .002" undersize (pkg. of 2 halves) (2 pkgs.
	4.00	12.00 D	,	used)
	AR	1390 R	( - )	Bearing, connecting rod, .004" undersize (pkg. of 2 halves) (2 pkgs. used)
	AR	1391 R	( - )	Bearing, connecting rod, .020" undersize (pkg. of 2 halves) (2 pkgs.
			,	used)
	AR	1392 R	( - )	Bearing, connecting rod, .022" undersize (pkg. of 2 halves) (2 pkgs.
	ΑĐ	1393 R	<i>t</i> \	used) Bearing, connecting rod, .030" undersize (pkg. of 2 halves) (2 pkgs.
	AR	1595 1	( - ,	used)
	AR	1394 R	( - )	Bearing, connecting rod, .032" undersize (pkg. of 2 halves) (2 pkgs.
			•	used)
22	AR	1020 R	( - )	Bolt, connecting rod, with nut (4 used)
23	AF	2276 R	( - }	Ring, piston, oil control, skirt end (pkg. of 2) (1 pkg. used)
	AF	2278 R	( - )	Ring, piston, .045" oversize, oil control, skirt end (pkg. of 2) (1 pkg. used)
24	AF	<b>227</b> 5 R	( - )	Ring, piston, oil control, slotted (pkg. of 2) (1 pkg. used)
	AF	2277 R	` - <b>`</b>	Ring, piston, .045" oversize, oil control, slotted (pkg. of 2) (1 pkg.
				used)
25	AF	2224 R	( <b>-82</b> 03099)	Ring, piston (set of 4 oil control and 8 compression) (use with piston
	AF	2225 R	( -8203099)	marked AR1352R) Ring, piston, .045" oversize (set of 4 oil control and 8 compression)
	Ar	2223 F.	( -0203033)	(use with piston marked AR1387R)
	AF	3768 R	(8203100- )	Ring, piston (set of 4 oil control and 8 compression) (use with piston
			•	marked AR1824R or AR1825R)
•	AF	3 <b>76</b> 9 R	(8203100- )	Ring, piston, .045" oversize (set of 4 oil control and 8 compression)
	A TO	21007 D	, 92020001	(use with piston marked AR1826R or AR1827R)
	AK	21887 R	( <b>-82</b> 03099 <b>)</b>	Ring, piston, heavy duty (set of 4 oil control, 8 compression and 4 expanders)
	AR	21888 R	(8203100-)	Ring, piston, heavy duty (set of 4 oil control, 8 compression and 4
			<b>V</b>	expanders)
	AR	21983 R	( - )	Ring, piston, heavy duty oil control (pkg. of 4 rings and 2 expanders)
5.5	_	003C B	,	(1 pkg. used)
26 Parts 1	F	2236 R below are no	( - )	Stud, 3/4" x 4-1/2" (4 used)
rarts	nstea AR		( -8203099)	Gasket kit, ring and cylinder replacement (see gasket kit grouping for
			•	illustration and contents) (sub. AR1889R)
	AR	18 <b>8</b> 9 R	(8203100-)	Gasket kit, ring and cylinder replacement (see gasket kit grouping for
				illustration and contents)

### CYLINDER HEAD, VALVES, AND TAPPET COVER



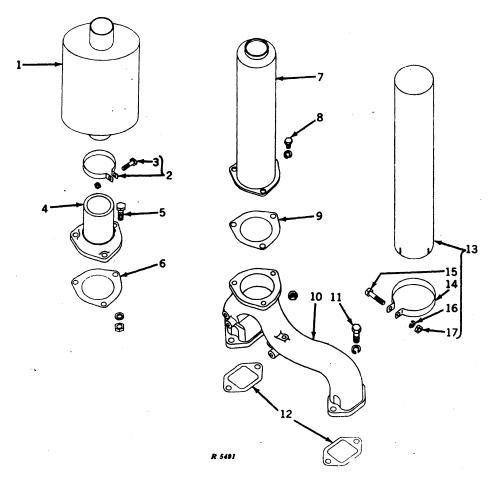
Key	Pa	rt No.	Serial No.	Description
1	R	1362 R	( - )	Cover, tappet lever
2	<b>19H</b>	360 T	i - 5	Screw, cap, 7/16" x 2" (2 usc ) (sub. for 19H353R)
3	В	214 R	i -8199999)	Washer (3 used) (sub. A3439R)
	Α	3439 R	ì8200000-	Washer (3 used) (packed 10 in a pkg.)
4	19H	414 T	· - 1	Screw, cap, 7/16" x 6"
5	R	1363 R	( -8199999)	Gasket (packed 5 in a pkg.) (sub. R2606R)
	R	2606 R	(8200000-	Gasket (packed 5 in a pkg.)
6	Α	2332 R	- 1	Lock, retainer (8 used)
6 7		1917 R	· -	Cap, valve spring (4 used)
8	R	1338 R	1	Spring, valve (4 used) (packed 2 in a pkg.)
9	Α .	2467 R	( - )	Guide, valve (2 used) (packed 4 in a pkg.) (sub. four for one AA4897R)
10	14H	400 R	( - )	Nut, 3/4" (8 used) (sub. for A5405R)
11		264 R	<i>`</i> -	Washer, lead (10 used) (packed 100 in a pkg.)
12 .	R	59 R	<i>`</i> - \	Nut, coupling (2 used)
13	21H	991 R	<b>2030</b> 99)	Screw, mach., 1/4" x 3/8" (2 used)
	12H	9 R	-8203099)	Washer, lock, 1/4" (2 used)
14	24H	846 R	-8203099)	Washer, 17/64" x 16 gauge (2 used)
15	AR	354 R	( -8199999)	Sleeve, injector nezzle (2 used) (sub. AF3190R)
	AF	3190 R	(8200000-8203099)	Sleeve, injector nozzle (2 used)
16	R	1225 R	( -8203099)	Packing, O-ring (2 used) (packed 5 in a pkg.)
17	AR	1382 R	-8203099)	Head, R1331R, cylinder, with valve guides and injector nozzle
				sleeves and pins (sub. AR1806R)
	AR	1806 R	(8203100-	Head, R2703R, cylinder, with valve guides and pins
18	R	1334 R	-8203099)	Gasket (packed 5 in a pkg.) (sub. R2704R)
	R	2704 R	(8203 100 -	Gasket (packed 5 in a pkg.)
19	R	1336 R	- 1	Valve, intake (2 used) (sub. two for one AR1384R)
	R	1337 R	i - ;	Valve, exhaust (2 used) (sub. two for one AR1383R)
Parts 1	listed b	elow are	not illustrated.	
	AR	1418 R	( -8203099)	Gasket kit, valve replacement (see gasket kit grouping for illustration and contents)
	AR	1888 R	(8203100-	Gasket kit, valve replacement (see gasket kit grouping for illustration and contents)

### CAMSHAFT AND TAPPET ASSEMBLY



Key	Part No.	Serial No.	Description
1	11H 218 R	( - )	Pin, cotter, 3/16" x 1-1/2" (2 used) (sub. for 11H82R)
2	R 1358 R	) - j	Shaft, tappet lever
3	24H 233 R	i - 1	Washer, 57/64" x 1-1/4" x 16 gauge (4 used)
4	AR 1351 R	· - · ·	Lever, exhaust tappet (2 used)
5	R 1359 R	<i>)</i> - 1	Bracket (2 used)
6	AR 1350 R	} - {	Lever, inlet tappet (2 used)
2 3 4 5 6 7	R 1360 R	) - j	Spring
8	19H 1425 R	ì - Ś	Screw, cap, 3/4" x 2-3/4" (2 used)
9	14H 383 R	ì - Ś	Nut, 3/8" (4 used)
10	F 2559 R	·	Screw, adjusting (4 used) (sub. for A1291R)
11	F 1743 R	( -8299999)	Pin, dowel (2 used) (sub. for D186R)
	R 20168 R	(8300000-	Pin, dowel (2 used)
12	R 1355 R	· -	Rod, tappet (4 used)
13	R 1354 R	( - )	Follower, cam (4 used)
14	R 1017 R	( <b>-8203</b> 099)	Bushing, camshaft, R.H. (sub. R2609R)
	R 2609 R	(8203100- )	Bushing, camshaft, R.H.
15	R 1019 R	( -8203099)	Bushing, camshaft, center (sub. R2608R)
	R 2608 R	(8203100-	Bushing, camshaft, center
· 16	R 1353 R	i -8299999j	Camshaft
	R 20330 R	(8300000-	Camshaft
17	11H 237 R	i - j	Pin, cotter, 1/8" x 2" (sub. for 11H43R)
18	B 235 R	( - )	Nut, special slotted (packed 25 in a pkg.)
19	B 3310 R	( - )	Washer
20	14H 473 R	( - )	Nut, 1/2"
21	R 137 R	( - )	Gear, camshaft
22	R 140 R	( - )	Lock, camshaft gear eccentric
23	R 138 R	( - )	Hub, camshaft gear
24	24H 892 R	( - )	Washer, 17/32" x 1" x 10 gauge (3 used)
25	B 1152 R	( - )	Screw, special cap (3 used)
26		( - )	Wire, 16 gauge x 12" long
27	R 141 R	( - )	Washer, thrust
28	R 142 R	( - )	Washer, shim, .005" (3 used)
<b>2</b> 9	19H 1131 N	( - )	Screw, cap, 1/2" x 1-1/4" (3 used)
30	F 262 R	( - )	Plate, lock (3 used)
31	R 136 R	( - )	Bearing, camshaft, L.H.

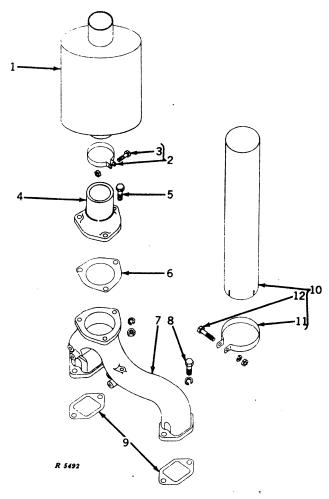
## EXHAUST PIPE AND MUFFLER (Serial No. 8000001-8299999)



Key	Part No.	Serial No.	Description
1	AR 21805 R	( -8299999)	Muffler (special)
	AR 21807 R	-8299999)	Clamp
2	19H 1116 N	( -8299999)	Screw, cap, 3/8" x 1-1/2"
•	14H 812 C	-8299999)	Nut, 3/8"
4	R 21650 R	i -8299999)	Support
4 5	19H 246 T	ì -8299999)	Screw, cap, 3/8" x 1-3/4" (3 used)
•	12H 11 R	( -8299999)	Washer, lock, 3/8" (3 used)
	14H 812 C	i -8299999)	Nut, 3/8" (3 used)
6	R 25 R	-829 <b>9999</b> )	Gasket (packed 2 in a pkg.)
7	AR 327 R	· 8299999)	Muffler
6 7 8	F 2272 R	( -8203099)	Screw, special cap (3 used)
•	19H 988 N	(8203100-8299999).	Screw, cap, 3/8" x 1-1/4" (3 used)
	12H 11 R	- )	Washer, lock, 3/8" (3 used)
	14H 812 C	(8203100-	Nut, 3/8" (3 used) (sub. for 14H255R)
9	R 25 R	i - )	Gasket (packed 5 in a pkg.)
10	R 1412 R	i -8203099j	Outlet, exhaust (sub. for R2705R)
	R 2705 R	(8203100-8299999)	Outlet, exhaust
11	19H 462 N	<i>i</i> - <i>i</i>	Screw, cap, 1/2" x 1-1/2" (4 used) (sub. for 19H457R)
	12H 13 R	· - i	Washer, lock, 1/2" (4 used)
12	R 1413 R	· ,	Gasket (2 med) (packed 10 in a pkg.)
13	AR 1032 R	- )	EXTENSION, MUFTLER, WITH CLAMP (ATTACHMENT)
14	R 1243 R	- }	Clamp
15	19H 255 N	- · · · · · · · · · · · · · · · · · · ·	Screw, cap, 3/8" x 2" (sub. for 7H386R)
16	12H 11 R	- 1	Washer, lock, 3/8"
17	14H 812 C	- :	Nut, 3/8" (sub. for 14H255R)

Capital letters indicate an attachment. Attachments must be listed on separate orders from replacement parts.

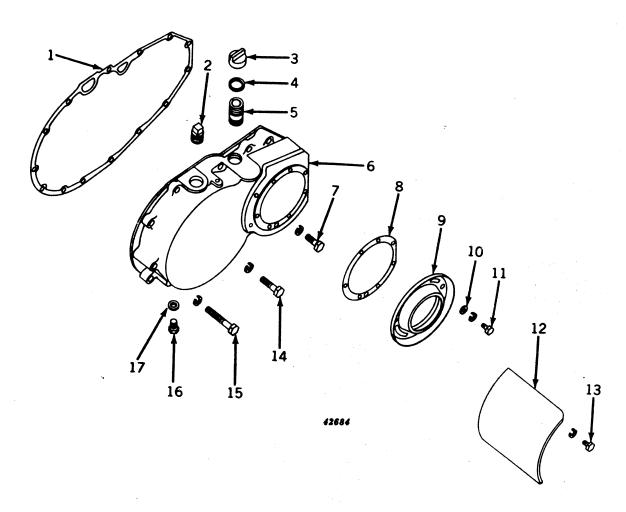
EXHAUST PIPE AND MUFFLER (Serial No. 8300000- )



Key	Part No.	Serial No.	Description
1	AR 20819 R	(8300000-8304857)	Muffler (sub. AR21805R)
	AR 21805 R	(8304858- )	Muffler, with clamp
2	AR 21807 R	(8304858-	Clamp
3	14H 812 C	(8304858- )	Nut, 3/8"
	19H 11 <b>16</b> N	(8304858-	Screw, cap, 3/8" x 1-1/2"
4	R 20114 R	(8300000-8304857)	Support (sub. R21650R)
	R 21650 R	(8304858- )	Support
5	19H 246 T	(8300000- )	Screw, cap, 3/8" x 1-3/4" (3 used)
	12H 11 R	(8300000-	Washer, lock, 3/8" (3 used)
	14H 812 C	(8300000-	Nut, 3/8" (3 used) (sub. for 14H255R)
6	R 25 R	(8300000-	Gasket (packed 2 in a pkg.)
7	R 2705 R	(8300000- )	Outlet, exhaust (sub. for R20482R)
8	19H 462 N	(8300000-	Screw, cap, 1/2" x 1-1/2" (4 used) (sub. for 19H457R)
	12H 13 R	(8300000- )	Washer, lock, 1/2" (4 used)
9	R 1413 R	(8300000- )	Gasket (2 used) (packed 10 in a pkg.)
10	AR 21086 R	(8300000-	EXTENSION, MUFFLER, WITH CLAMP (ATTACHMENT)
11	AR 21087 R	(8300000-	Clamp, with screw, nut and lock washer
12	19H 255 N	(8300000- )	Screw, cap, 3/8" x 2" (sub. for 19H256R)
	12H 11 R	(8300000- j	Washer, lock, 3/8"
	14H 812 C	(8300000-	Nut, 3/8" (sub. for 14H255R)

Capital letters indicate an attachment. Attachments must be listed on separate orders from replacement parts.

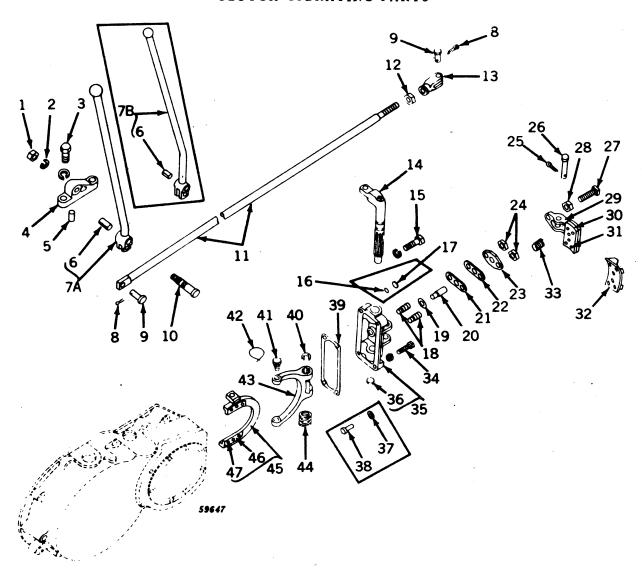
### FIRST REDUCTION GEAR COVER



Key	Part No.	Serial No.	Description
1	R 264 R	( - )	Gasket (packed 2 in a pkg.)
4	A 4235 R	· - · ·	Gasket (packed 2 in a pkg.)
<b>4</b> 5	R 1445 R	i - i	Nipple
6	AR 1429 R	. ) - (	Cover, R1444R, with oil filler nipple, cap, and plug
7	19H 360 T	· - · ·	Screw, cap, high-strength, 7/16" x 2" (5 used)
	12H 12 R	} _ {	Washer, lock, 7/16" (5 used)
8	R 267 R	·	Gasket (packed 2 in a pkg.)
8 2 3 9	15H 241 R	·	Plug, pipe, 1-1/2"
3	A 4233 R	·	Cap
9	AR 404 R	·	
10	24H 930 R	- } {~	Shield, pulley dust
11	19H 1112 H	} ~ {	Washer, 11/32" x 3/4" x 11 gauge (7 used)
11		( - )	Screw, cap, 5/16" x 3/4" (7 used)
40	12H 10 R	( - )	Washer, lock, 5/16" (7 used)
12	R 268 R	( ~ )	Guard, pulley
13	F 2272 R	( - )	Screw, special cap (3 used)
	12H 11 R	( - )	Washer, lock, 3/8" (3 used)
14	19H 1242 M	( · · - )	Screw, cap, 7/16" x 2-3/4" (8 used)
	12H 12 R	<i>`</i> - <i>`</i>	Washer, lock, 7/16" (8 used)
15	19H 403 R	·	Screw, cap, 7/16" x 4-1/2"
	12H 12 R	·	Washer, lock, 7/16"
16	R 228 R	} - {	Plug
17	R 229 R	·	
*/	1. 223 K	( - )	Washer

### MEMORANDA

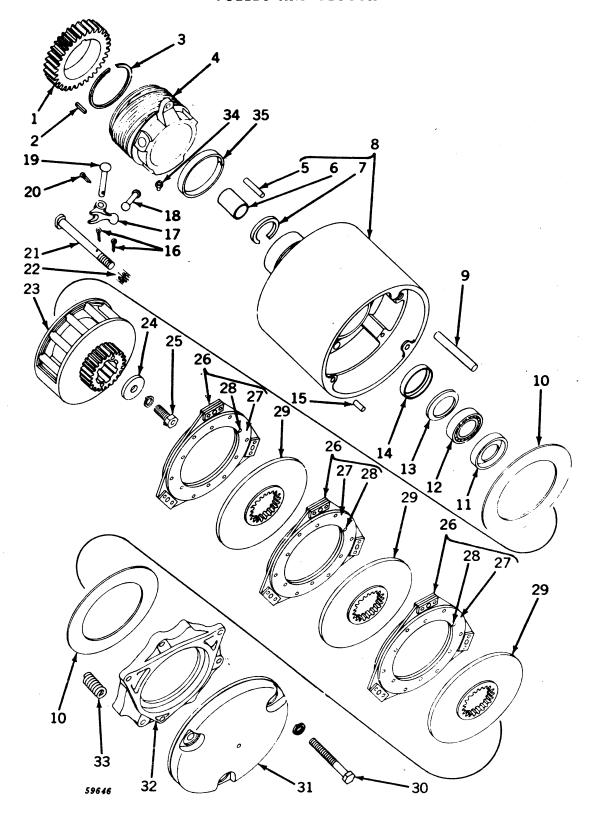
### CLUTCH OPERATING PARTS



### CLUTCH OPERATING PARTS -- Continued

Key	Part No.	Serial No.	Description
1	<b>14H 800</b> R	( - )	Nut, 5/8" (sub. for 14H399R)
2	12H 15 R	· ( · · · )	Washer, lock, 5/8"
3	19H 1373 R	· ( · · · )	Screw, cap, high-strength, 5/8" x 2" (2 used)
	12H 15 R	( - )	Washer, lock, 5/8" (2 used)
4	R 2650 R	( - )	Bracket, clutch lever (sub. for R281R)
5	C 1220 R	i - i	Pin, dowel
6	A 1197 R	i - i	Bushing
7A	AR 409 R	<i>i</i> - <i>i</i>	Lever, R282R, clutch operating, with bushing
<b>7</b> B	AR 1871 R	(8203100-	Lever, R2746R, clutch operating, with bushing (used with foot-
	• • • • • • • • • • • • • • • • • • • •	(,	operated speed control)
8	11H 236 R	( - )	Pin, cotter, 1/8" x 1" (2 used) (sub. for 11H41R)
9	D 1994 R	} - {	Pin (2 used) (packed 5 in a pkg.)
10	D 2031 R	} - {	Bolt, pivot
11	R 284 R	} _ ;	Rod, operating
12	14H 395 R	} _ {	Nut, 9/16"
13	D 393 R	} _ {	Yoke
14	R 270 R	} - {	Shaft, clutch fork
15	19H 255 N	} - {	
10	12H 11 R	} - {	Screw, cap, 3/8" x 2" (2 used) (sub. for 19H256R)
16		9202000	Washer, lock, 3/8" (2 used)
17	A 3917 R	( -8203099)	Packing, O-ring (packed 5 in a pkg.)
	R 1472 R	(8003400	Plug, special expansion
18	F 2884 R	(8203100-	Stud (2 used)
<b>1</b> 9	R 459 R	(8203 100-	Packing, O-ring (packed 5 in a pkg.)
20	A 6112 R	(8203100-	Pin, operating, pulley brake
21	F 3590 R	(8203100-	Shim, .062" steel
22	F 3587 R	(8203100-	Shim, .005" steel (packed 2 in a pkg.)
23	F 3586 R	(8203100-	Stop, pulley brake operating pin
24	14H 813 C	(8203100-	Nut, 7/16" (2 used) (sub. for 14H257R)
25	11H 211 R	( - )	Pin, cotter, 1/8" x 3/4" (sub. for 11H39R)
26	R 20448 R	( - )	Pin, pivot (sub. for F1446R)
27	22H 178 R	( -8203099)	Screw, set, 1/2" x 2-1/4"
	22H 169 R	(8203100- )	Screw, set, 1/2" x 1-3/4"
28	14H 473 R	( - )	Nut, jam, 1/2"
<b>2</b> 9	AR 1170 R	( - <b>82</b> 03099)	Brake, R1470R, pulley, with lining (sub. R2510R and AB4748R)
	R 2736 R	(8203100- )	Brake, pulley, less lining and rivets
30	D 1932 R	( - )	Lining, brake (packed 5 in a pkg.)
31	A 4363 R	( - )	Rivet (6 used) (packed 100 in a pkg.)
32	AB 4748 R	( - )	Lining, brake, with adapter (packed 20 in a pkg.)
33	R 673 R	( - )	Spring
34	F 2273 R	( - )	Screw, special cap (2 used)
	12H 11 R	( - )	Washer, lock, 3/8" (2 used)
35	AR 1360 R	( -8203099)	Bearing, R1467R, clutch fork, with plug (sub. two 14H813C, one
			22H169R, one A6112R, one F3586R, twelve F3587R, one F3590R,
			one R459R, one R2736R, and one AR1849R)
	AR 1849 R	(8203100-)	Bearing, R2735R, clutch fork, with plug and studs
36	30H 11 R	( - )	Plug, expansion, 7/8"
37	24H 156 R	i -8203099)	Washer, 13/32" x 11/16" x 16 gauge
	24H 41 H	( -8203099)	Washer, 13/32" x 3/4" x 20 gauge
	24H 1 R	i -8203099j	Washer, 27/64" x 3/4" x 26 gauge
	R 1820 R	( - <b>82</b> 03099)	Washer, 25/64" x 11/16" x .010"
38	R 1471 R	( -8203099)	Pin, operating, pulley brake
<b>3</b> 9	R 1468 R	}	Gasket (packed 2 in a pkg.)
40	R 271 R	<i>ì</i> -	Snap ring
41	D 178 R	} _ {	Pivot, fork (2 used)
42		} - {	Wire, 16 gauge x 6" long (2 used)
43	R 1466 R	<i>`</i>	Fork, clutch
45 44	R 273 R	} _ {	Spring
45	AR 406 R	} _ {	Collar, clutch
46	R 276 R	} _ {	Plate, clutch collar thrust (4 used)
40 47	R 277 R	} {	Rivet (6 used) (packed 10 in a pkg.)
-T/	1 2//10	·	retion to meet therees to in a bull.

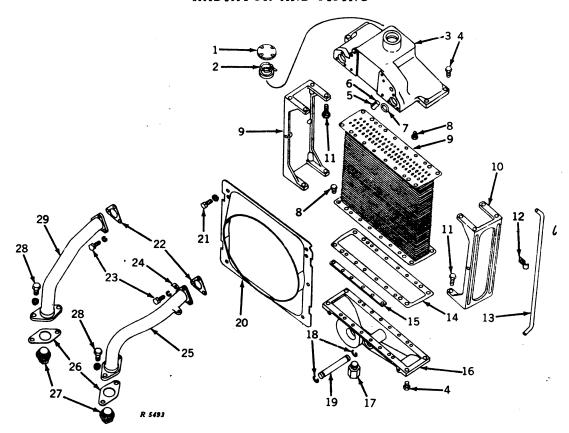
### PULLEY AND CLUTCH



### PULLEY AND CLUTCH -- Continued

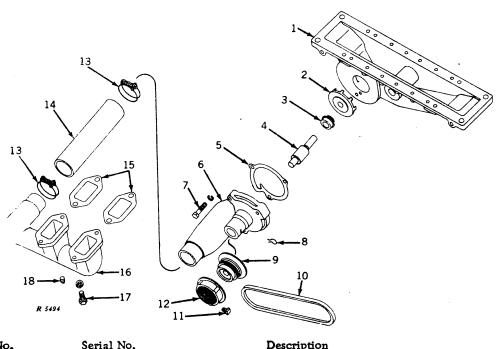
17	Part No.	Serial No.	Description
Key 1	R 249 R	/ Serial No.	Gear, pulley
2	D 659 R	} ~ ~	Key
3	R 250 R		Snap ring
4	R 1856 R	-8203099)	Sleeve, clutch operating (sub. AR1877R)
*	AR 1877 R	(8203100-	Sleeve, R2757R, clutch operating, with retainer and grease fitting
_	R 1964 R	(0203100-	Pin, drive (sub. for R247R)
5	R 1904 R	} - {	Bushing
6	D 461 R	} - {	Snap ring
7		, - ,	Pulley, R1855R, belt, with bushing, snap ring, and drive pin
8	AR 1361 R	} - {	Pin (3 used)
9	R 1869 R	- {	Facing, clutch (2 used) (packed 10 in a pkg.)
10	R 256 R	· - /	Retainer, bearing
11	R 251 R	( - {	Bearing, outer race and roller
12	JD 7488 R		Wester bossins
13	F 186 R	- {	Washer, bearing
14	R 1214 R	( - )	Retainer, pulley oil
15	A 4879 R	( - )	Pin, dowel (2 used)
16	11H 236 R	( - )	Pin, cotter, 1/8" x 1" (6 used) (sub. for 11H41R)
17	R 1857 R	( - )	Dog, clutch (3 used)
18	R 253 R	( - )	Toggle, clutch dog (3 used)
19	D 355 R	( · - )	Pin, clutch dog (3 used)
<b>2</b> 0	11H 216 R	( - )	Pin, cotter, 3/16" x 1" (3 used) (sub. for 11H78R)
21	R 1859 R	( - )	Bolt, clutch operating (3 used)
22	R 20228 R	( - )	Nut, slotted, 9/16" (3 used) (packed 25 in a pkg.) (sub. for C1200R)
23	R 1853 R	( - )	Disk, clutch drive
24	R 20136 R	( - )	Washer (sub. for 24H890R, F2646R, and D141R)
25	19H 1391 R	( - )	Screw, cap, 3/4" x 2-1/4"
	12H 17 R	( - )	Washer, lock, 3/4"
26	AR 1052 R	( - )	Disk, clutch facing, with facing (3 used)
27	R 259 R	( - )	Facing (6 used) (packed 2 in a pkg.)
28	D 2309 R	( - )	Rivet (45 used) (packed 100 in a pkg.)
<b>2</b> 9	R 260 R	( - )	Disk, sliding drive (3 used)
30	19H <b>1244</b> N	( - )	Screw, cap, 7/16" x 5" (3 used)
	12H 12 R	( - )	Washer, lock, 7/16" (3 used)
31	R 1862 R	( - )	Cover, pulley dust
3 <b>2</b>	R 261 R	( - )	Disk, clutch adjusting
33	R 1860 R	( - )	Spring (3 used)
34	JD <b>776</b> 0	(8203100- )	Fitting, grease, in sleeve
35	R 2740 R	(8203100-)	Retainer, grease

## RADIATOR AND PIPING



Key	Part No.	Serial No.	Description
1	AA 5757 R	( - )	Cap, radiator
2	AA 5756 R	( - )	Flange, filler, with adapter and tube
3	R 2590 R	· - 5	Tank, top (sub. for R1550R)
2 3 4 5 6	19H 1166 H	( - )	Screw, cap, 7/16" x 1-1/2" (8 used)
5	34H 41 H	( - )	Pin, roll (elec.)
6	R 20483 R	i - i	Pin (elec.) (sub. for AR20604R)
7	R 495 R	ì - 5	Packing, O-ring (packed 10 in a pkg.)
8	19H 1112 H	· i - i	Screw, cap, 5/16" x 3/4" (24 used)
9	AF 2101 R	( -8199999)	Core, radiator (sub. AR1627R)
	AR 1627 R	(8200000-	Core, radiator
10	R 2591 R	i - i	Side, radiator (2 used)
11	19H 218 N	ì - 5	Screw, cap, high-strength, 3/8" x 1" (8 used)
12	R 183 R	i - i	Clip, vent drain tube (2 used)
13	R 1558 R	i - i	Tube, vent drain
14	F 661 R	ì - j	Gasket (2 used) (packed 5 in a pkg.)
15	A 192 R	i - i	Strap (4 used)
16	R 1551 R	i - i	Tank, bottom
17	C 1865 R	·	Plug, drain (packed 5 in a pkg.)
18	A 602 R	( - )	Snap ring (2 used)
19	R 184 R	( - )	Pin, radiator pivot
20	F 455 R	( - )	Shroud, fan
21	19H 1255 T	· ( - )	Screw, cap, high-strength, 3/8" x 5/8" (4 used)
	12H 11 R	( - )	Washer, lock, 3/8" (4 used)
	21H 769 H	( - )	Screw, mach., 3/8" x 3/4", R.H. side (2 used)
22	R 1562 R	( - )	Gasket (2 used) (packed 2 in a pkg.)
23	19H 337 N	( - )	Screw, cap, 7/16" x 1-1/4" (6 used)
	12H 12 R	( - )	Washer, lock, 7/16" (6 used)
24	F 1373 R	( - )	Plate, lock (elec.)
25	· R 1554 R	( - )	Pipe, upper water, R.H.
26	R 1563 R	( - )	Gasket (2 used) (packed 10 in a pkg.)
27	AB 4744 R	( - )	Thermostat (range 162°-182° F.) (2 used)
	AB 4745 R	( - )	Thermostat (range 180°-202° F.) (2 used)
	AA 6292 R	( - )	Thermostat (range 195°-212° F.) (2 used)
28	19H 462 N	( - )	Screw, cap, 1/2" x 1-1/2" (4 used)
	12H 13 R	( - )	Washer, lock, 1/2" (4 used)
<b>2</b> 9	R 1555 R	( )	Pipe, upper water, L. H.

#### WATER PUMP

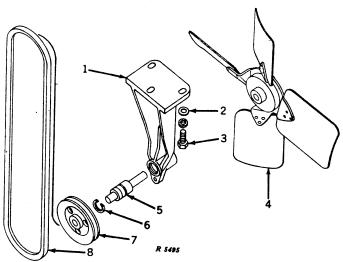


Key	Part No.	Serial No.	Description
1	R 1551 R	( - )	Tank, bottom
2	R 1525 R	( - )	Impeller, water pump
3 4 № 5	AF 2057 R	( - )	Seal, oil
4	JD 8515 R	( - )	Bearing
<b>5</b> 5	R 1524 R	( - )	Gasket (packed 5 in a pkg.)
6	R 1523 R	( - )	Housing, water pump
7	F 2274 R	( - )	Screw, special cap, 3/8" x 1-3/4" (3 used)
	12H 11 R	( - )	Washer, lock, 3/8" (3 used)
8	R 1529 R	( - )	Retainer, spring, water pump bearing
8 9	R 1526 R	( - )	Hub, pulley
10	R 1528 R	( - )	Belt, water pump
11	22H 6 R	( - )	Screw, set, 1/4" x 1/2"
12	R 1527 R	( - )	Ring, pulley adjusting
13	AR 21840 R	( - )	Clamp, hose (2 used) (packed 2 in a pkg.) (sub. for B2373R)
14	R 1565 R	( - )	Hose, lower water
15	R 1564 R	( - )	Gasket (2 used) (packed 10 in a pkg.)
16	R 1556 R	( -8199999)	Inlet, cylinder head water (sub. A2093R and R2512R)
	R 2512 R	(8200000-8299999)	Inlet, cylinder head water
	R 20595 R	(8300000- )	Inlet, cylinder head water
17	F 2273 R	( - )	Screw, special cap, 3/8" x 1-1/4" (4 used)
	12H 11 R	( - )	Washer, lock, 3/8" (4 used)
18	15H 255 R	( -8199999)	Plug, pipe, 3/8"
	A 2093 R	(8200000- )	Plug, pipe (packed 5 in a pkg.)

(Part listed below is an assembly of some of the parts in this grouping.)

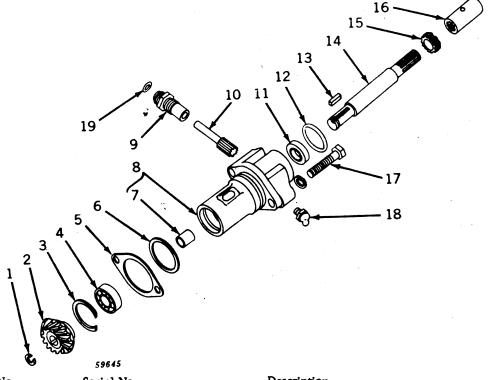
AR 1194 R ( - ) Water pump replacement assembly, consisting of housing, impeller, oil seal, bearing, pulley hub, adjusting ring, and spring retainer

## FAN AND FAN SUPPORT



			•
Key	Part No.	Serial No.	Description
1	R 1552 R	( - )	Housing, fan shaft bearing
2	24H 154 R	i - j	Washer, 25/64" x 7/8" x 16 gauge (3 used)
3	F 2273 R	( - )	Screw, special cap (3 used)
	12H 11 R	( - )	Washer, lock, 3/8" (3 used)
4	AR 1692 R	( - )	Fan (sub. for AR1198R)
5	JD 8515 R	( - )	Bearing
6	A 4275 R	( j	Snap ring
7	R 1553 R	( - )	` Pulley, fan
8	R 1561 R	( -	Belt, fan and generator drive

#### REAR FAN DRIVE ASSEMBLY



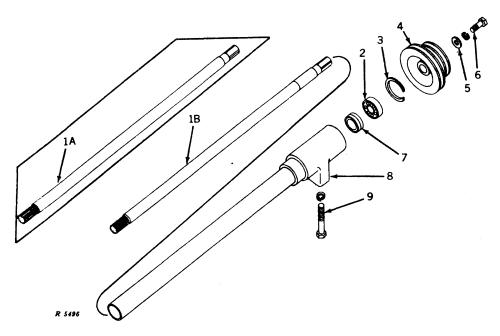
Key	P	art No.		Serial No.	Description
1	Α	369 R	1	_	) Snap ring (packed 10 in a pkg.)
2	R	1687 R	i	_	) Pinion, fan drive bevel
3	D	398 R	i	-	) Snap ring
4	ΙD	7677 R	i	-	) Bearing
5	R	1831 R	ì	-	) Shim (steel) (.006")
	Ŕ	951 R	ì	-	) Shim (steel) (.018")
6	F	1870 R	ì	-	Packing, O-ring (packed 4 in a pkg.)
-					

#### REAR FAN DRIVE ASSEMBLY -- Continued

Key	Part N	Ic.	Serial No.	Description
7	A 41	<b>30</b> R	( - )	Bushing
8	AR 12	<b>7</b> 9 R*	( -3203099)	Housing, R1685R, fan drive shaft rear bearing, with bushing
	AR 18	43 R	(8203100 - )	Housing, R2730R, fan drive shaft rear bearing, with bushing
9	R 16	90 R	<b>?</b> -8203099)	Connector, speed-hour meter cable
	R 27	32 R	i8203100-	Connector, speed-hour meter cable
10	R 16	89 R	( -8203099)	Pinion, speed-hour meter drive (sub. R2731R, R2732R, and
			•	AR1844R)
	R 27	31 R	(8203100-)	Pinion, speed-hour meter drive
11	<b>AF 1</b> 9	25 R	( -8203099)	Seal, oil (sub. two AR21900R)
12	B 2	93 R	i -8203099j	Packing, O-ring (packed 5 in a pkg.)
	A 45	40 R	(8203 100 - )	Packing, O-ring (packed 5 in a pkg.)
13	D 4	03 R	( - )	Key
14	R 16	83 R	( - )	Shaft, fan drive, rear
15	R 16	88 R	( - )	Gear, speed-hour meter drive
16	AF 19	02 R	i - )	Coupling
17	19H 5	06 H	ì - 5	Screw, cap, 1/2" x 2-3/4" (2 used) (sub. for 19H500R)
	12H	13 R	i - j	Washer, lock, 1/2" (2 used)
18	JD 77	50	i -8203099j	Fitting, grease
<b>1</b> 9		44 R	(8203 100 - j	Seal, oil

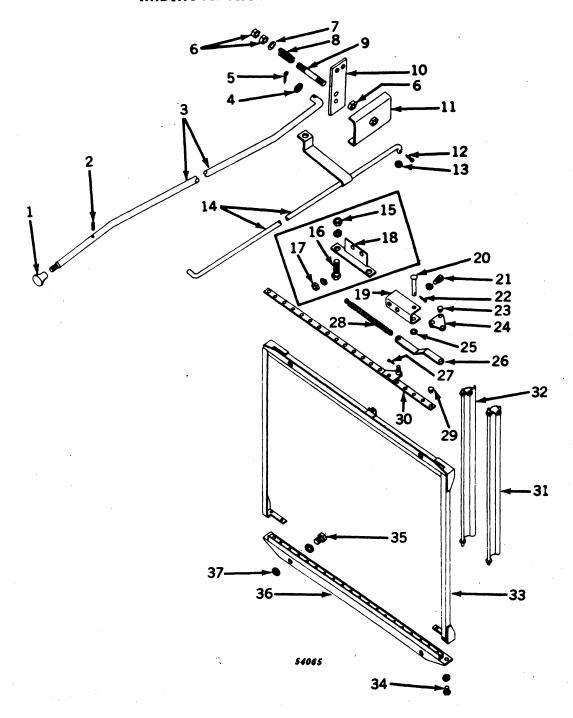
\*On manual steering tractor, sub. AR1843R, AR1844R, AR1846R, and AR21263R for R2731R, R2732R, and R2733R. \*On power steering tractor, sub. AR1843R, AR1844R, R2731R, and R2732R.

#### FRONT FAN DRIVE ASSEMBLY (Manual Steering)



Key	Pa	rt No.	Serial No.	Description
1Å	R	1682 R	( -8203099)	Shaft, fan drive, front
1B	R	2733 R	(8203100-	Shaft, fan drive, front
2	JD	7142 R	· ( - )	Bearing
3	Ď	398 R	. ( - )	Snap ring
4	R	15 <b>57</b> R	· ( - )	Pulley, fan and water pump drive
5	24H	550 R	( - )	Washer, 13/32" x 1-1/16" x 11 gauge
6	19H	218 N	( - )	Screw, cap, 3/8" x 1" (sub. for 19H211R)
	12H	11 R	i - j	Washer, lock, 3/8"
7	AF	1925 R	(8203100-	Seal, oil (sub. two AR21900R oil seals and one R21720R spacer)
8	AR	1278 R	( –8203099)	Housing, R1684R, front fan bearing, with tube (sub. AR1846R)
	AR	1846 R	(8203100-	Housing, R2734R, front fan bearing, with tube
<b>9</b>	19H	1211 N	( - j	Screw, cap, 3/8" x 3-1/4" (2 used) (sub. for 19H281R)
	12H	11 R	( - )	Washer, lock, 3/8" (2 used)

## RADIATOR SHUTTER AND CONTROLS



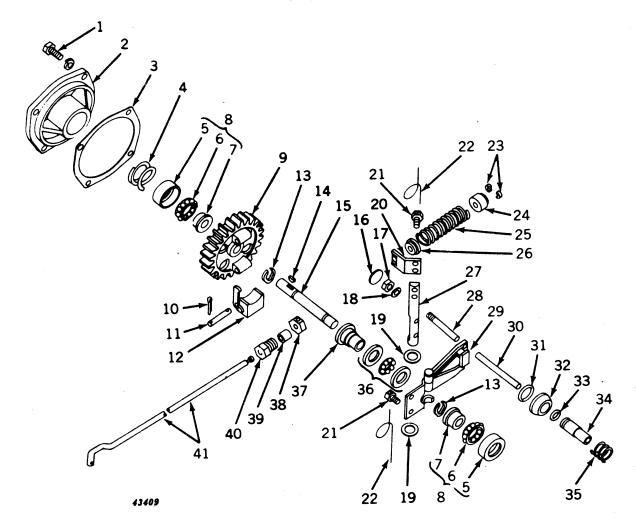
#### RADIATOR SHUTTER AND CONTROLS -- Continued

Key	Part No.	Serial No.	Description
1	B 1951 R	( - )	Knob, shutter control
2	<b>34H 39 H</b>	( - )	Pin, roll, 1/8" x 5/8"
3	R 2598 R	( - )	Rod, shutter control
4	24H 39 R	( - )	Washer, 21/64" x 3/4" x 20 gauge
5	11H 211 R	( , - )	Pin, cotter, 1/8" x 3/4" (sub. for 11H38R)
6	14H 732 R	( - )	Nut, 3/8" (3 used)
7	24H 154 R	( - )	Washer, 25/64" x 7/8" x 16 gauge
8	D 699 R	( - )	Spring
9	R 826 R	( - )	Stud
10	R 2597 R	( - )	Lever, shutter control
11	AR 1643 R	( - )	Bracket, shutter control lever, with nut
12	11H 233 R	( - )	Pin, cotter, 3/32" x 1/2" (sub. for 11H18R)
13	24H 132 R	( - )	Washer, 9/32" x 1/2" x 16 gauge
14	AR 21215 R	( - )	Link, shutter control, with guide (sub. for AR1644R)
15	14H 812 C	( -8200410)	Nut, 3/8" (sub. for 14H255R)
	12H 11 R	( -8200410)	Washer, lock, 3/8"
16	19H <b>25</b> 5 N	( -8200410)	Screw, cap, 3/8" x 2" (sub. for 19H256R)
17	14H 785 R	( -8200410)	Nut, 5/16"
	12H 10 R	( -8200410)	Washer, lock, 5/16"
18	R 2599 R	( -8200410)	Support, shutter bracket
19	R 2594 R	( - )	Bracket, shutter control
20	R 821 R	( - )	Rivet
21	19H 99 R	( - )	Screw, cap, 5/16" x 9/16" (2 used)
	12H 10 R	( - )	Washer, lock, 5/16" (2 used)
22	11H 233 R	( - )	Pin, cotter, 3/32" x 1/2" (sub. for 11H18R)
23	A 1854 R	i - i	Rivet
24	AA 1522 R	i - j	Bell crank and bushing
25	24H 132 R	i - i	Washer, 9/32" x 1/2" x 16 gauge
26	R 845 R	ì - j	Link, operating
27	11H 231 R	ì - ì	Pin, cotter, 1/16" x 1" (sub. for 11H3R)
28	A 1999 R	i - j	Spring
<b>2</b> 9	A 1855 R	ì - j	Rivet (20 used)
30	AR 667 R	i - i	Bar, operating, and stud
31	AR 669 R	· -	Blade, shutter and pivot pins (19 used)
32	AR 670 R	i - i	Blade, shutter and pivot pins (L.H. side)
33	AR 668 R	( - )	Frame and bearing bar
34	21H 597 R	( - )	Screw, machine (4 used)
	12H 9 R	( - )	Washer, lock, 1/4" (4 used)
35	19H 99 R	i - 1	Screw, cap, 5/16" x 9/16" (4 used)
	12H 10 R	i - 5	Washer, lock, 5/16" (4 used)
36	AR 671 R	i - i	Bar, bottom tie, and bearing bar
37	24H 143 R	( - )	Washer, 21/64" x 3/4" x 16 gauge (2 used)

Part listed below is an assembly of most of the parts in this grouping.

AR 594 R ( - ) Shutter, complete

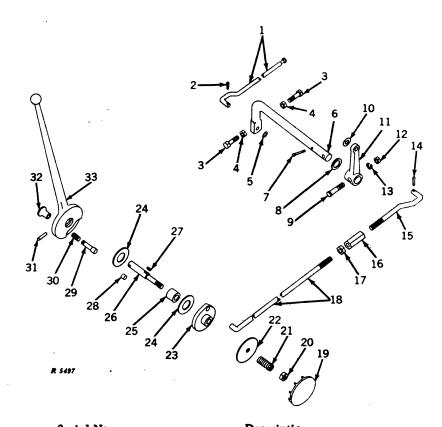
#### GOVERNOR



#### GOVERNOR -- Continued

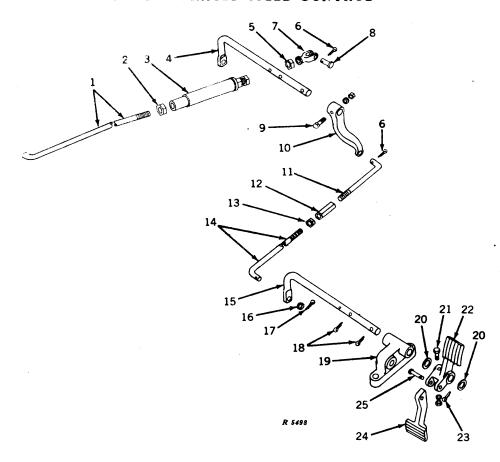
17	Don't Ma	Control Ma	Description
Key 1	Part No. 19H <b>21</b> 8 D	Serial No.	Screw, cap, 3/8" x 1" (4 used) (sub. for 19H211R)
	12H 11 R	} -	Washer, lock, 3/8" (4 used)
2	R 305 R	}	Housing, governor bearing
3	R 306 R	- (	Gasket (packed 2 in a pkg.)
4	H 393 R	} {	Spring
5	ID 7151 R	} - {	Cup, bearing (2 used)
6	JD 7153 R	} - {	Retainer, with balls (2 used)
7	JD 7152 R	·	Cone, bearing (2 used)
8	JD 7150 R	}	Bearing, complete (2 used)
9	R 303 R	}	Gear, governor drive
10	11H 233 R	} - {	Pin, cotter, 3/32" x 1/2" (4 used) (sub. for 11H18A)
11	F 3326 R	} [	Pin, governor weight (2 used) (packed 10 in a pkg.) (sub. for C902R)
12	AC 667 R	} - {	Weight, governor (2 used) (packed 2 in a pkg.)
13	H 392 R	}	Snap ring (2 used)
14	26H 10 R	} - {	Key, Woodruff, 5/32" x 5/8"
15	R 947 R	·	Shaft, governor
16	30H 15 N	}	Plug, expansion, 1-1/8"
17	14H 732 R	} - {	Nut, jam, 3/8"
18	A 3098 R	-8000774)	Washer (packed 5 in a pkg.)
10	A 5364 R	(8000775-	Washer (packed 5 in a pkg.)
<b>1</b> 9	B 2274 R	(0000775	Washer (2 used)
20	R 309 R	}	Lever, governor loading
21	R 310 R	} - 1	Screw, cap, 1/4" x 1/2" (drilled) (4 used)
22		} - 1	Wire, 16 gauge x 5" long (2 used)
23	R 313 R	} - 1	Keeper, speed control spring end (2 used)
24	R 1865 R	·	End, speed control spring
25	R 1349 R	<i>)</i> - 5	Spring, speed control
26	R 312 R	\(\) - \(\)	Fulcrum, speed control spring
27	R 308 R	· - 1	Shaft, governor lever
28	R 1899 R	· - 1	Screw, adjusting, governor lever stop
<b>2</b> 9	AR 801 R	i - i	Lever, governor
30	R 1477 R	i - i	Rod, injection pump control
31	R 460 R	i - i	Packing, O-ring (packed 5 in a pkg.)
32	R 461 R	( - )	Retainer, injection pump control rod packing
33	R 459 R	( - )	Packing, O-ring (packed 5 in a pkg.)
34	R 1478 R	( - )	Guide, injection pump control rod
35	A 2441 R	( - )	Spring (packed 5 in a pkg.)
36	C 998 R	( - )	Bearing, thrust
37	AR 922 R	( - )	Sleeve, governor
38	AR 1344 R	( - )	Stop, speed control rod, with screw
39	R 316 R	( - )	Packing, speed control rod
40	R 317 R	( - )	Gland, packing, speed control rod
41	R 1347 R	( - )	Rod, speed control

## THROTTLE CONTROL



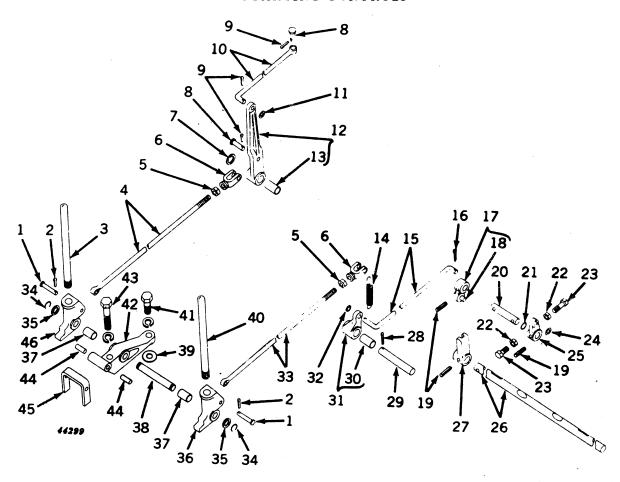
Key       Part No.       Serial No.       Description         1       R       1347 R       -       )       Rod, speed control         2       11H       233 R       -       )       Pin, cotter, 3/32" x 1/2" (sub. for 11H18R)         3       F       2270 R       -       )       Screw, special cap (2 used)         4       14H       785 R       -       )       Nut, 5/16" (2 used)         5       24H       132 R       -       )       Washer, 9/32" x 1/2" x 16 ga <sup>-1</sup> ge         6       R       1427 R       -       )       Shaft, speed control	
3 F 2270 R ( - ) Screw, special cap (2 used) 4 14H 785 R ( - ) Nut, 5/16" (2 used) 5 24H 132 R ( - ) Washer, 9/32" x 1/2" x 16 gange 6 R 1427 R ( - ) Shaft, speed control	
3 F 2270 R ( - ) Screw, special cap (2 used) 4 14H 785 R ( - ) Nut, 5/16" (2 used) 5 24H 132 R ( - ) Washer, 9/32" x 1/2" x 16 gange 6 R 1427 R ( - ) Shaft, speed control	
4 14H 785 R ( - ) Nut, 5/16" (2 used) 5 24H 132 R ( - ) Washer, 9/32" x 1/2" x 16 gange 6 R 1427 R ( - ) Shaft, speed control	
5 24H 132 R ( - ) Washer, 9/32" x 1/2" x 16 gange 6 R 1427 R ( - ) Shaft, speed control	
6 R 1427 R ( - ) Shaft, speed control	
- 4477 BOOK B	
7 11H 236 R ( - ) Pin, cotter, 1/8" x 1" (sub. for 11H41R)	
8 24H 448 R ( - ) Washer, 25/32" x 1-1/8" x 13 gauge	
9 H 983 R ( - ) Bolt, taper	
10 24H 154 R ( - ) Washer, 25/64" x 7/8" x 16 gauge	
11 R 1909 R ( - ) Arm, speed control	
12 14H 785 R ( - ) Nut, 5/16"	
13 12H 10 R ( - ) Washer, lock, 5/16"	
14 11H 206 R ( - ) Pin, cotter, 3/32" x 3/4" (sub. for 11H19R)	
15 R 1148 R ( -8203099) End, speed control lever	
R 2741 R (8203100- ) End, speed control lever	
16 R 1149 R ( - ) Coupling, speed control lever rod	
17 14H 732 R ( - ) Nut, jam, 3/8"	
18 R 1644 R ( -8203099) Rod, speed control lever (sub. R2741R and R2743R)	
R 2743 R (8203100- ) Rod, speed control lever	
19 R 1680 R ( - ) Plug, button speed control opening	
20 14H 812 C ( - ) Nut, 3/8" (sub. for 14H255R)	
21 K 2172 R ( - ) Spring	
22 24H 1062 R ( - ) Washer, 13/32" x 2-3/4" x 16 gauge	
23 R 1643 R ( - ) Plate, speed control	
24 A 5037 R ( -8199999) Washer, friction (2 used) (sub. R1954R)	
R 1954 R (8200000- ) Washer, friction (2 used) (packed 2 in a pkg.)	
25 R 1640 R ( - ) Spacer	
26 R 1641 R ( -8204617) Shaft, speed control lever (sub. R20175R, R20176R, as	nd 34H77T)
R 20176 R (8204618- ) Shaft, speed control lever	
27 26H 7 R ( - ) Key, woodruff, 1/8" x 1/2"	
28 R 726 R ( - ) Pin, dowel, speed control lever stop	
29 R 1642 R ( - ) Pin, speed control stop	
30 A 4741 R ( - ) Spring	
31 34H 60 N ( -8204617) Pin, roll	
34H 77 T (8204618- ) Pin, roll	
32 B 1951 R ( - ) Knob, speed control stop pin	. 1 <i>7771</i> 0\
33 R 1639 R ( -8204617) Lever, speed control (sub. R20175R, R20176R, and 341	1//1)
R 20175 R (8204618- ) Lever, speed control	

## FOOT-OPERATED SPEED CONTROL



Key	Pa	rt No.	Serial No.	Description
1	R	2743 R	( -	) End, speed control lever
2	14H	742 R	ì -	) Nut
3	AR	1872 R	i -	) Spring, accelerator
4	R	2744 R	ì -	) Shaft, speed control
5	14H	<b>732</b> R	ì -	) Nut, 3/8"
6	11H	<b>206</b> R	· i -	) Pin, cotter, 3/32" x 3/4" (2 used) (sub. for 11H19R)
7	С	284 R	ì -	) Yoke
4 5 6 7 8 9	С	1067 R	```l	) Pin
9	Н	9 <b>83 R</b>	<b>`</b>	) Bolt, taper
	12H	10 R	i -	) Washer, lock, 5/16"
	14H	785 R	( -	) Nut, 5/16"
10	R	2745 R	( -	) Arm, accelerator control
11	R	1148 R	( -	) End, control rod
12	R	1149 R	( -	) Coupling
13	14H	<b>732</b> R	<b>'</b> -	) Nut, jam, 3/8"
14	R	2 <b>75</b> 0 R	( -	) Rod, accelerator control
15	R	2749 R	<b>(</b>	) Shaft, accelerator pedal
16	24H	156 R	i -	) Washer
17	11H	211 R	( -	) Pin, cotter, 1/8" x 3/4" (sub. for 11H39R)
18	11H	<b>236</b> R	<b>(</b> -	) Pin, cotter, 1/8" x 1" (2 used) (sub. for 11H41R)
19	R	2747 R	( -	) Bracket, clutch lever
20	24H	448 R	( -	) Washer (2 used)
21	H	9 <b>83</b> R	( -	) Bolt, taper
	12H	10 R	( -	) Washer, lock, 5/16"
	<b>14</b> H	785 R	( -	) Nut, 5/16"
22	R	2748 R	( -	) Pedal, accelerator
23	11H	<b>233</b> R	( -	) Pin, cotter, 3/32" x 1/2" (sub. for 11H18R)
24	R	<b>2751</b> R	( -	) Pedal, decelerator
25	F	<b>1673</b> R	<del>-</del>	) Pin

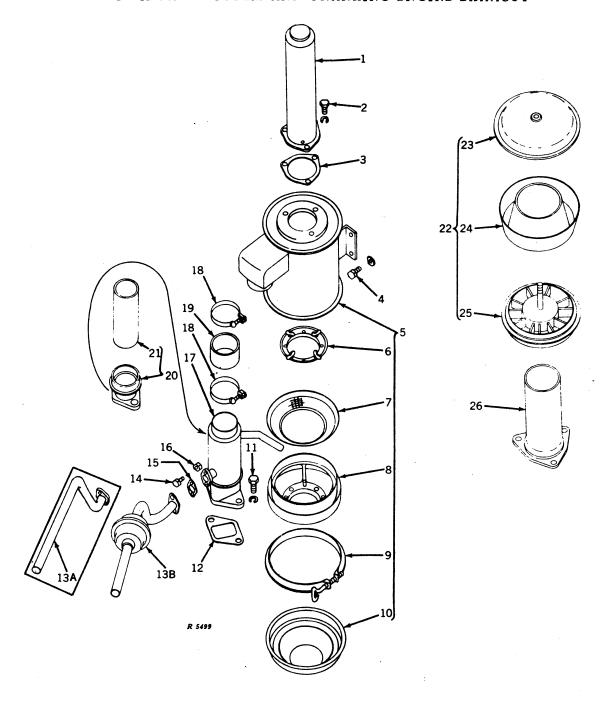
## STARTING CONTROLS



## STARTING CONTROLS -- Continued

Key	Part No.	Serial No.	Description
1	B 2290 R		) Fin (2 used)
2	11H 206 R	· ·	Pin, cotter, 3/32" x 3/4" (2 used) (sub. for 11H19R)
3	R 1028 R	(	Handle, starting control lever (C.E.)
4	R 1697 R	-	) Rod, starting control (C.E.)
5	14H 732 R	· (	) Nut, jam, 3/8" (2 used)
6	C 284 R	-	Yoke (2 used)
7	C 1246 R	( -	) Washer
8	C 1067 R	( -	) Pin (2 used)
9	11H 211 R	( -	Pin, cotter, 1/8" x 3/4" (3 used) (sub. for 11H39R)
10	R 1705 R	( -	Link, starting control (C.E.)
11	24H 156 R	( -	Washer, 13/32" x 11/16" x 16 gauge
12	AR 1283 R	( -	Arm, R1846R, starting control, with bushing (C.E.)
13	B 177 R	( -	Bushing
14	R 1919 R	( -	Spring (sub. for R830R)
15	R 1699 R	( -	Link, decompression control
16	11H 211 R	( -	Pin, cotter, 1/8" x 3/4" (sub. for 11H39R)
17	AR 1125 R	( -	Arm, R1345R, decompression control shaft, with pin
18	A 4879 R	( - )	) Pin, dowel
<b>1</b> 9	34H 103 H	( -	Pin, roll, 1/4" x 1-1/4" (3 used)
20	R 1344 R	( -	Shaft, decompression control
21	R 375 R	( - )	Packing, O-ring (packed 2 in a pkg.)
22	14H 732 R	( - )	Nut, jam, 3/8" (2 used)
23	F 2273 R	( - )	Screw, special cap (2 used)
24	24H 156 R	· ( - )	Washer, 13/32" x 11/16" x 16 gauge
25	R 1346 R	( - )	Lever, decompression control shaft
26	R 1364 R	· ( - )	Shaft, decompression
27	R 1365 R	i - i	Lever, decompression shaft
28	11H 237 R	· - 5	Pin, cotter, 1/8" x 2" (sub. for 11H43R)
29	R 1847 R	i - i	Pin, control arm pivot
30	B 177 R	· - · ·	Bushing
31	AR 1282 R	· -	Arm, R1845R, decompression control, with bushing
32	24H 156 R	·	Washer, 13/32" x 11/16" 16 gauge
33	R 1697 R	·	Rod, decompression control
34	B 387 R	<i>-</i>	Snap ring (2 used) (packed 5 in a pkg.)
35	24H 204 R	·	Washer, 21/32" x 1" x 16 gauge (2 used)
36	R 1844 R	} - \	Lever, decompression control
37	R 653 R	· - \	Bushing (2 used)
38	R 650 R	\ _ \	Shaft, control lever (C.E.)
••	R 20264 R	(8300000-	Shaft, control lever (elec.)
<b>3</b> 9	24H 554 D	}	Washer, 17/32" x 1-3/8" x 11 gauge
40	R 1028 R	·	Handle, decompression lever
41	19H 472 N	·	Screw, cap, high-strength, 1/2" x 1-3/4"
-T.A	12H 13 R	·	Washer, lock, 1/2"
42	R 1843 R	}	Bracket, control lever
43	19H 1120 N	``	Screw, cap, high-strength, 1/2" x 3-1/4"
13	12H 13 R	} - {	Washer, lock, 1/2"
44	A 4879 R	}	Pin, dowel (2 used)
45	R 649 R	·	Stop, control lever
46	R 1844 R	} _ {	Lever, starting control
10		` '	

## AIR INTAKE SYSTEM AND CRANKING ENGINE EXHAUST

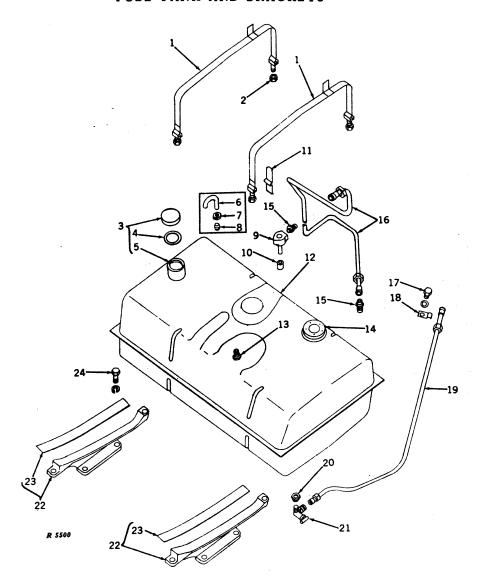


## AIR INTAKE SYSTEM AND CRANKING ENGINE EXHAUST -- Continued

Key	Part No.	Serial No.	Description
. 1	AR 319 R	( - )	Stack, air, with flange
2	F 2272 R	· · · · · · ·	Screw, special cap (3 used)
_	12H 11 R	<i>`</i>	Washer, lock, 3/8" (3 used)
3	R 13 R	- 1	Gasket (packed 2 in a pkg.)
4	19H 1056 H	· · ·	Screw, cap, 7/16" x 1" (4 used)
•	12H 12 R	<i>`</i> -	Washer, lock, 7/16" (4 used)
5	AR 1156 R	<i>`</i> -	Air cleaner
6	AR 1367 R	· · · · · · ·	Retainer, air cleaner tray screen
7	AR 1369 R	· -	Screen, air cleaner tray (6 used)
8	AR 1368 R	· -	Housing, air cleaner tray screen
9	AR 1366 R	· - )	Clamp, with screw
10	AR 1365 R	· -	Cup, oil
11	19H 462 N	· - )	Screw, cap, 1/2" x 1-1/2" (2 used) (sub. for 19H457R)
	12H 13 R	( - )	Washer, lock, 1/2" (2 used)
12	R 1420 R	· - )	Gasket (packed 5 in a pkg.)
13A	AR 1130 R	( -8199999)	Pipe, cranking engine exhaust, with flange
13B	AR 1594 R	(8200000-	Pipe, cranking engine exhaust, with flange and muffler (C.E.)
14	19H 1112 H	( - )	Screw, cap, 5/16" x 3/4" (2 used) (C.E.)
15	R 1351 R	( - )	Gasket (packed 5 in a pkg.) (C.E.)
16	14H 785 R	( - )	Nut, 5/16" (2 used) (C.E.)
17	AR 1154 R	i -8199999)	Heater, air intake (sub. AR1597R)
	AR 1597 R	(8200000-	Heater, air intake (C.E.)
18	R 1422 R	( - )	Clamp, hose (2 used)
19	R 1421 R	( - )	Hose
20	AR 20603 R	(8300000-	Base, air intake heater (elec.)
21	R 1418 R	(8300000-	Pipe, air intake heater (elec.)
22	AR 1745 R	( - )	PRE-CLEANER AND R13R GASKET (ATTACHMENT)
23	AR 1729 R	( - )	Cover, pre-cleaner, with wing-nut
24	R 28795 R	( - )	Bowl, pre-cleaner (sub. for R2660R)
25	AR 1730 R	( - )	Base, pre-cleaner
26	AR 1728 R	( - )	STACK, AIR, PRE-CLEANER (ATTACHMENT)

Capital letters indicate an attachment. Attachments must be listed on separate orders from replacement parts.

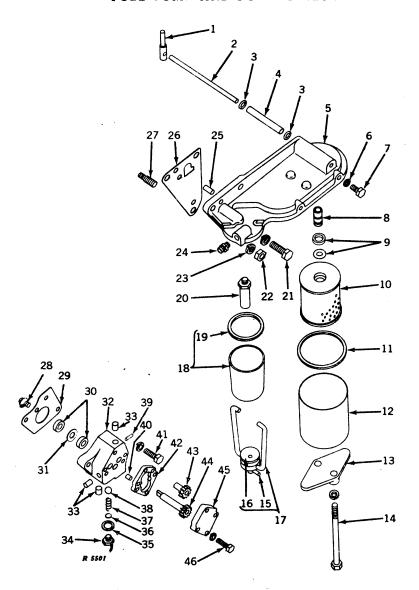
## FUEL TANK AND BRACKETS



## FUEL TANK AND BRACKETS -- Continued

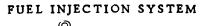
Key	Part No.	Serial No.	Description
1	AR 1111 R	( - )	Strap, fuel tank (2 used)
2	14H 812 C	<i>`</i>	Nut, 3/8" (4 used) (sub. for 14H255R)
3	AR 369 R	· · · · · · · · · · · · · · · · · · ·	Cap, fuel filler, with gasket
Ä	R 1027 R	) - j	Gasket (packed 2 in a pkg.)
5	B 1539 R	<b>)</b>	Neck, fuel filler
Š	R 1312 R	( -8299999)	Tube, fuel tank vent
5 6 7	A 2500 R	( -8299999)	Nut, fuel tank vent tube (packed 5 in a pkg.)
6	A 2499 R	( -8 <b>2</b> 99999)	Sleeve, fuel tank vent tube (packed 5 in a pkg.)
<b>8</b> 9	AR 21069 R	(8300000-	Adapter, with tube
10	29H 485 C	(8300000-	Nipple, pipe
11	R 111 R	(8300000-	Support, fuel tank strap (4 used)
12	AR 1109 R	( -8299999)	
12	AR 21665 R	(8300000- )	Tank, fuel
4.2		(830000-	Tank, fuel (sub. for AR21068R)
13	R 902 R	- ?	Bushing, fuel tank vent
14	F 2150 R	( - )	Adapter, fuel gauge sender
15	E 1994 R	(8300000- )	Connector (2 used)
16	AR 21071 R	(8300000-	Pipe, vent
17	19H 1710 T	( - )	Screw, cap, 3/8" x 1/2"
	12H 11 R	( - )	Washer, lock, 3/8"
18	A 4881 R	( - )	Clip (not furnished)
19	AR 1113 R	( - )	Pipe, fuel
20	F 3433 R	( - )	Bushing, fuel tank outlet (sub. for A3068R)
21	AR 973 R	( - )	Valve, needle, fuel pipe to tank
22	AR 1110 R	( - )	Support, R1310R, fuel tank, with cushion (2 used)
<b>2</b> 3	D 3014 R	( - )	Cushion, fuel tank support, 1/8" x 1-1/2" x 18" (2 used) (sub.
		. *	R21736R, $1/8'' \times 1-1/2'' \times 60''$ )
24	19H 337 N	( - )	Screw, cap, 7/16" x 1-1/4" (4 used)
	12H 12 R	<i>i</i> - 5	Washer, lock, 7/16" (4 used)
		,	

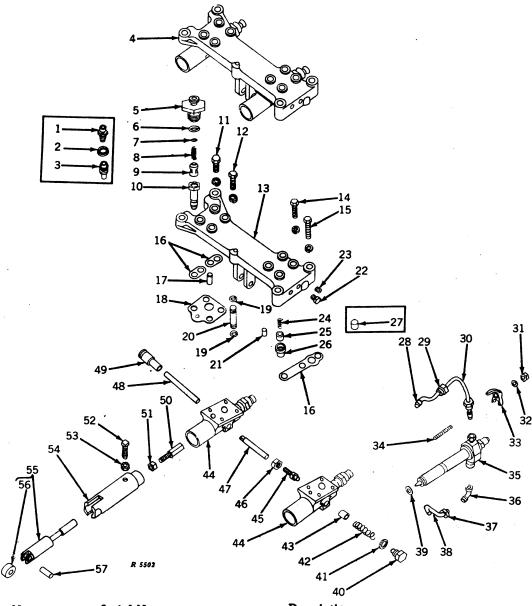
## FUEL PUMP AND FUEL FILTERS



#### FUEL PUMP AND FUEL FILTERS -- Continued

```
Key
            Part No.
                                  Serial No.
                                                                     Description
              1173 R
                                      -8299999)
         AR
                                                     Tube, injection bleed, with union Tube, injection bleed, long
  1
  2
         R
               1509 R
                                       -8299999)
  3
         R
                394 R
                                                     Packing, O-ring (2 used)
                                                     Tube, fuel filter head to cylinder
Head, R1507R or R20919R, fuel filter, with tubes (sub. for AR1143R)
  4
         R
               1510 R
         AR 21072 R
                                                     Washer (3 used) (packed 5 in a pkg.)
  6
               3098 R
                                      -8299999)
         19H
               1710 T
                                      -8299999)
                                                     Screw, cap, high-strength, 3/4" \times 1/2" (3 used) (sub. for 19H196H) Tube, fuel filter element (2 used)
  8
                471 R
         R
  9
         ΑF
               3435 R
                                                     Filter kit (set of two O-rings and two felt washers) (sub. for R459R)
 10
         AR
                344 R
                                                     Element, fuel filter, with O-ring and felt washer (2 used)
 11
         R
               1021 R
                                                     Gasket (2 used) (packed 10 in a pkg.)
 12
         R
                473 R
                                                     Case, fuel filter (2 used)
                475 R
13
                                                     Clamp, fuel filter case
14
         8H
               2376 R
                                                     Bolt, mach., 7/16" x 7-1/4" (2 used)
        12H
                 12 R
                                                     Washer, lock, 7/16" (2 used)
15
         25H
                300 R
                                                     Pin, groove
                                                    Plate, fuel filter bail
Bail, fuel filter
Bowl, fuel filter, and gasket
                485 R
16
        R
17
        AR
                474 R
18
        AR
                799 R
                                                     Gasket (packed 2 in a pkg.)
19
        R
                481 R
20
        AR
                473 R
                                                     Strainer, fuel
21
                462 N
                                                    Screw, cap, 1/2" x 1-1/2" (2 used) (sub. for 19H457R) Washer, lock, 1/2" (2 used)
        19H
        12H
                 13 R
22
               809 T
        14H
                                                    Nut, 1/2" (sub. for 14H259R)
23
        12H
                13 R
                                                    Washer, lock, 1/2"
24
               258 R
        Α
                                                    Connector
25
        A
              4879 R
                                                    Pin, dowel (2 used)
26
        R
              1508 R
                                                    Gasket (packed 2 in a pkg.)
27
        В
              1353 R
                                                    Stud, 1/2 \times 1-3/4"
28
        R
               230 R
                                                    Plug, fuel pump driver
29
        R
              1539 R
                                                    Gasket (packed 2 in a pkg.)
                                     -8003151)
        AR
              1201 R
                                                    Seal, oil (marked C-R) (2 used) (packed 2 in a pkg.) (sub. for
        AR
               395 R
                            (8003152-
                                                    Seal, oil (marked C-R) (2 used) (packed 2 in a pkg.) (sub. for
                                                       AF2443R)
             20139 R
31
                            (8200000-
                                                    Washer, felt
32
                                     -8003151)
        AR
             1430 R
                                                    Housing, R1538R, fuel pump, with pins (sub. one AR1504R and
                                                      two AR395R)
                                                    Housing, R1960R, fuel pump, with pins Housing, R2758R, fuel pump, with pins
        AR
              1504 R
                            (8003152-8203099)
        AR
              1880 R
                            (8203100-
               726 R
        R
33
                                                    Pin, dowel (3 used)
34
        R
               228 R
                                                    Plug, fuel pump by-pass
                                                   Washer, fuel pump by-pass plug
Washer, 5/32" x 3/8" x 22 gauge
35
               229 R
        R
               845 R
36
       24H
37
        R
               227 R
                                                    Spring, fuel pump by-pass
               405 R
38
                                                    Ball, fuel pump by-pass
39
        В
              2641 R
                            (8203100-8206690)
                                                    Pin, dowel
40
              1743 R
                                                    Pin, dowel (2 used) (sub. for D186R)
41
        19H
             1116 N
                                                    Screw, cap, high-strength, 3/8" x 1-1/2" (2 used)
        12H
                11 R
                                                    Washer, lock, 3/8" (2 used)
42
               223 R
        R
                                                    Body, fuel pump
               226 R
                                                   Gear, fuel pump idler
43
       R
               225 R
                                     -8203099)
44
        R
                                                    Gear, fuel pump drive (sub. R2759R)
        R
              2759 R
                            (8203100-
                                                    Gear, fuel pump drive
               224 R
45
                                                    Cover, fuel pump
        R
46
        19H
              1683 T
                                                    Screw, cap, high-strength, 1/4" x 1-1/4" (4 used) (sub. for 19H32T)
        12H
                 9 R
                                                    Washer, lock, 1/4" (4 used)
Part listed below is not illustrated.
            20139 R
                                                   Washer, felt, between fuel pump housing oil seals
Parts listed below are an assembly of some of the parts in this grouping.
       AR
             1200 R
                                     -8003151)
                                                   Pump, fuel, complete (sub. AR1878R)
             1502 R
                           (8003152-8203099)
       AR
                                                   Pump, fuel, complete (sub. AR1878R)
             1878 R
                           (8203100-
                                                    Pump, fuel, complete
```





Key	Part No.	Serial No.	Description
1	E 1994 R	( -8306882)	Connector (2 used)
2	R 375 R	( -8306882)	Packing, O-ring (packed 5 in a pkg.)
3	R 20594 R	( -8306882)	Adapter (sub. AR21903R)
4	AR 1374 R	i -8199999)	Pumps, injection, with R1473R bracket (scintilla)
	AR 1528 R	(8200000-8203099)	Pumps, injection, with R2513R bracket (scintilla)
	AR 1375 R	i -8199999)	Pumps, injection, with R1473R bracket (bosch) (sub. AR1529R)
	AR 1529 R	(8200000-8203099)	Pumps, injection, with R2513R bracket (bosch) (sub. AR1532R and
	1111 2025 11	(0200000 0200000)	two AR1694R)
5	R 21724 R*	(8306883- )	Cap, pressure relief valve
6	R 21727 R*	(8306883-	Washer, pressure relief valve cap to body
-	R 21729 R*	(8306883-	Washer, pressure relief valve (2 used)
8	R 21728 R*	(8306883-	Spring, pressure relief valve
7 8 9	R 21726 R*	(8306883-	Piston, pressure relief valve
10	R 21725 R*	(8306883-	Body, pressure relief valve
11	19H 246 T	(0500005	Screw, special cap, 3/8" x 1-3/4" (2 used)
	12H 11 R	<b>,</b>	Washer, lock, 3/8" (2 used)
12	19H 1096 H	-8199999)	Screw, cap, high-strength, 5/16" x 1-1/2" (4 used) (sub. for
12	19H 1090 H	( -6133333)	19H130R)
	19H 1096 H	(8200000- )	Screw, cap, high-strength, 5/16" x 1-1/2" (2 used) (sub. for
		- -	19H130R)
	19H 1286 H	(8200000- )	Screw, cap, high-strength, 5/16" x 2" (2 used) (sub. for 19H143R)
	12H 10 R	i - · · · ·	Washer, lock, 5/16" (4 used)
	77	•	• • • •

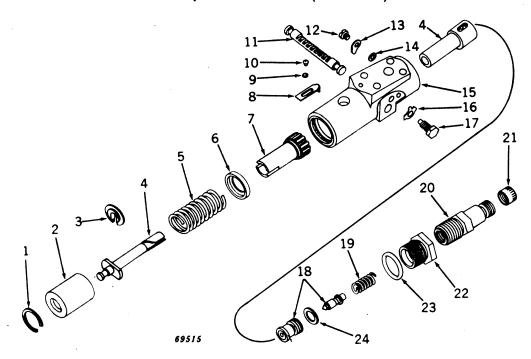
\*\*AR21903R pressure relief valve kits can be used on tractors 8300000-8306882 and consists of parts marked \*, and two 24H485R washer, one F1759R piston, one R375R O ring, one R21233R plug and one R21723R spring.

```
FUEL INJECTION SYSTEM -- Continued
Key
          Part No.
                               Serial No.
                                                                 Description
                                   -8199999)
        AR
             1172 R
                                                 Bracket, R1473R, injection pump, with tubes and pins (sub. AR1532R)
13
                          (8200000-8299999)
             1532 R
                                                 Bracket, R2513R, injection pump, with tubes and filters
        AR
        AR 21198 R
                          (8300000-
                                                 Bracket, R2513R or R20164, injection pump, with tubes and filters
14
        19H
            1286 R
                                                 Screw, cap, high-strength, 5/16" x 2" (4 used) (sub. for 19H143R)
                                                 Washer, lock, 5/16" (4 used)
screw, cap, 3/8" x 2-1/4" (2 used)
       12H
                10 R
             1164 R
15
       19H
                                                 Washer, lock, 3/8" (2 used)
        12H
                11 R
       AR
16
             1481 R
                                                 Gasket (2 used) (set of three) (one set used) (sub. for one R1475R and
                                                   two R1476R)
17
             4879 R
                                                 Pin, dowel (2 used)
       R
18
              437 R
                                                 Gasket (2 used) (packed 5 in a pkg.)
19
       A
             4365 R
                                                 Packing, O-ring (2 used) (packed 2 in a pkg.)
       F
20
             1881 R
                                                 Tube, injection pump bracket oil inlet
21
       R
               438 R
                                                 Tube, injection pump oil inlet (2 used)
22
       R
            10160 R
                                                 Plug (4 used) (sub. for S-98 and S99-7)
23
       R
            21630 R
                          (8300000-
                                                 Plug, pipe (sub. for 15H558R)
24
       R
                                                 Spring, injection pump fuel inlet filter (2 used)
             2516 R
                          (8200000-
25
                          (8200000-
       R
             2515 R
                                                 Filter, injection pump fuel inlet (2 used)
                                                 Tube, injection pump fuel inlet (2 used)
26
       R
             2514 R
                          (8200000-
27
       R
              487 R
                                   -8199999)
                                                 Tube, injection pump fuel inlet (2 used)
       R
              468 R
                                                 Sleeve, ermeto, fuel injection pipe (4 used)
29
       R
              469 R
                                                 Nut, ermeto, fuel injection pipe (4 used)
30
       AR
             1174 R
                                                 Pipe, fuel injection, R.H.
             1175 R
                                                 Pipe, fuel injection, L.H.
       AR
                                                 Nut, 1/2" (2 used)
31
       14H
              392 R
32
       12H
               13 R
                                                 Washer, lock, 1/2" (2 used)
              464 R
33
       R
                                                 Clamp, injector nozzle (2 used)
              465 R
                                                 Stud, 1/2" x 3-1/2" (2 used)
       R
                                   ~8203099)
                                                 Nozzle, injection (scintilla) (2 used) (see page 35-12 for parts)
             2156 R
35
       ΑF
             2157 R
                                   -8203099)
                                                 Nozzle, injection (bosch) (2 used) (see page 35-13 for parts)
       AF
                                                 Nozzle, injection (scintilla) (2 used) (see page 35-12 for parts)
             1804 R
                          (8203100-
       AR
       AR
             1805 R
                          (8203100-
                                                 Nozzle, injection (bosch) (2 used) (see page 35-13 for parts)
                                                 Elbow (2 used)
36
              315 R
       Н
37
             2875 R
                                                 Nut, bushing (2 used)
       A
                                                 Pipe, injector leak-off, R.H.
38
       AR
              466 R
              467 R
       AR
                                                 Pipe, injector leak-off, L.H.
39
       R
              463 R
                                                 Washer, injection nozzle (2 used) (packed 10 in a pkg.)
             2141 R
40
       F
                                                 Plug, injection pump rack spring
41
       R
              229 R
                                                 Washer
       F
             3322 R
42
                                                 Spring, injection pump rack
                                                 Guide, injection pump rack spring (sub. F3305R)
                                   -8200857)
43
       R
             1044 R
             3305 R
                          (8200858-
                                                 Guide, injection pump rack spring
       F
                                                 Pump, injection, with gasket (bosch) (2 used) (see page 35-11 for
       AR
             1694 R
                                   -8203099)
44
                                                   parts )
             1695 R
                                   -8203099)
                                                 Pump, injection, with gasket (scintilla) (2 used) (see page 35-10 for
       AR
                                                   parts)
                                                 Pump, injection, with gasket (scintilla) (2 used) (see page 35-10 for
             1801 R
                          (8203100-
                                            )
       AR
                                                   parts)
       AR
             1802 R
                          (8203100-
                                            )
                                                 Pump, injection, with gasket (bosch) (2 used) (see page 35-11 for
                                                   parts)
                                                 Screw, injection pump rack adjusting (sub. F3307R and R20940R)
45
       R
             1153 R
                                   -8200857)
                          (8200858-
                                                 Screw, special cap, injection pump rack adjusting (sub. for 19H28R)
            20940 R
       R
                                                 Nut, jam, 1/4"
46
       14H
              649 R
                                                 Rod, injection pump adjusting (sub. F3307R and R20940R) Rod, injection pump adjusting
             1879 R
                                   -8200857)
47
       F
       F
             3307 R
                          (8200858-
             1477 R
                                                 Rod, injection pump control
48
       R
49
        R
             1478 R
                                                 Guide, injection pump control rod
                                                 Screw, injection pump adjusting (2 used)
50
        R
               434 R
                                                 Nut, 3/8" (2 used)
51
        14H
              383 R
                                                 Screw, set, injection cam follower guide (2 used)
Nut, jam, 3/8" (2 used)
               435 R
52
       R
53
        14H
              732 R
                                                 Guide, injection cam follower (2 used)
54
       R
               433 R
                                                 Follower, injection cam, with roller (2 used)
               456 R
55
        AR
                                                 Roller, injection cam follower (2 used)
               431 R
56
        R
                                                 Pin, injection cam follower roller (2 used)
        R
               432 R
57
```

Part listed below is an assembly of some of the parts in this grouping.

AR 1050 R ( -8203999) Kit, injector nozzle sleeve, consisting of sleeves, packing, washers, and screws

#### FUEL INJECTION PUMP (Scintilla)



Key	P	art No.	Serial No.	Description		
1	R	916 R	( - )	Snap ring, follower retaining*		
2	R	9 <b>15</b> R	( -8203099)	Follower, plunger*		
	R	2770 R	(8203100- · )	Follower, plunger* (sub. R915R)		
3	R	914 R	( - ·)	Plate, spring, lower*		
3 4	AR	734 R	( -8203099)	Plunger and barrel*		
	AF	3 <b>27</b> 9 R	(8 <b>2</b> 03100- )	Plunger and barrel*		
5	R	913 R	( - )	Spring, plunger*		
6	R	9 <b>12 R</b>	( - )	Plate, spring, upper*		
7	R	9 <b>11 R</b>	( - )	Sleeve, control*		
8	R	9 <b>25 R</b>	( -8 <b>2</b> 03099)	Indicator, timing		
9	R	9 <b>26 R</b>	( -8203099)	Washer, lock, internal tooth*		
10	R	9 <b>27 R</b>	( -8 <b>2</b> 03099)	Screw, timing indicator to body*		
11	R	9 <b>22 R</b>	( - )	Rack, control*		
12	21H	979 R	( )	Screw, indicator to body*		
13	R	9 <b>21 R</b>	( - )	Indicator, control rack*		
14	R	9 <b>17 R</b>	( - )	Shim, indicator, .005"*		
	R	918 R	( - )	Shim, indicator, .016"* (sub. R917R)		
	R	919 R	( - )	Shim, indicator, .031"* (sub. R917R)		
	R	9 <b>2</b> 0 R	( - )	Shim, indicator, .042"* (sub. R917R)		
15	R	910 R	( -8203099)	Housing*		
	F	3 <b>25</b> 8 R	(8203100-	Housing*		
16	R	9 <b>2</b> 3 R	( - )	Washer, lock, and seal		
17	R	9 <b>24</b> R	( -8203099)	Screw, pressure		
	F	3 <b>260</b> R	(8203100-	Screw, pressure		
18	AR	73 <b>5</b> R	( - )	Valve, delivery		
19	R	9 <b>2</b> 9 R	( - )	Spring, delivery valve		
20	R	930 R	( -8203099)	Holder, delivery valve		
	F	3 <b>261</b> R	(8203100-	Holder, delivery valve		
21	В	<b>2</b> 979 R	( - )	Cap, protector (packed 2 in a pkg.) (sub. for R1119R)		
22	F	3 <b>26</b> 3 R	(8 <b>2</b> 03100- )	Sleeve, adapter		
<b>2</b> 3	F	3 <b>262</b> R	(8 <b>2</b> 031 <b>0</b> 0- )	Packing, preformed		
24	R	9 <b>2</b> 8 R	( - )	Gasket, delivery valve (packed 2 in a pkg.)		
(Parts	(Parts listed below are an assembly of most of the parts in this grouping.)					

Pump, injection, with gasket

Pump, injection, with gasket

\*Special equipment required when these parts are serviced.

(8203100-

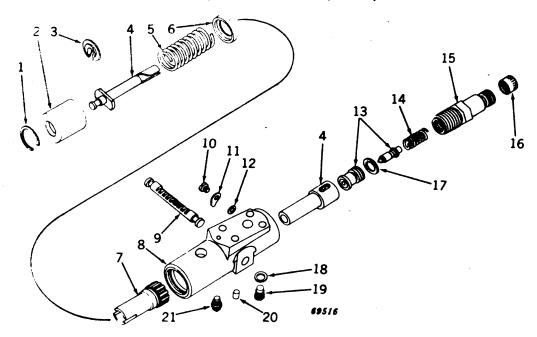
**-820**3099)

AR 1695 R

1801 R

AR

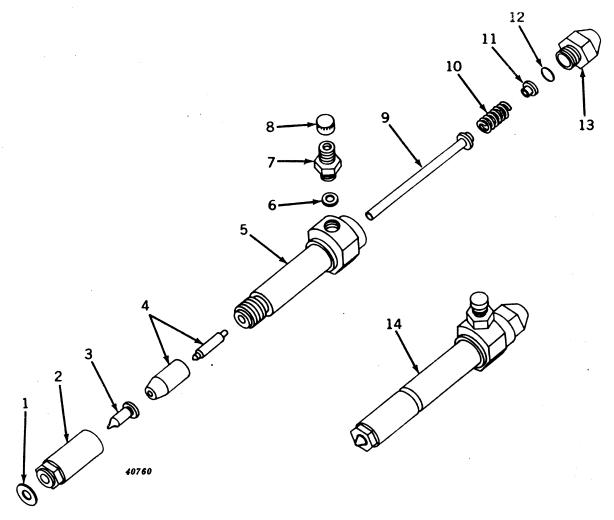
#### FUEL INJECTION PUMP (Bosch)



Rev	1 R 1095 R ( -8203099) Snap ring, follower retaining* F 3429 R (8203100- ) Snap ring, follower retaining* 2 R 1094 R ( -8203099) Follower, plunger*	
R   1094 R   ( -\$203099)   Follower, plunger*	2 R 1094 R ( -8203099) Follower, plunger*	
R   1094 R   ( -\$203099)   Follower, plunger*	2 R 1094 R ( -8203099) Follower, plunger*	
R   2771 R   (8203100-   Follower, plunger*		
R   1093 R   ( -8203099)   Plate, spring, lowers*	R 2771 R (8203100- ) Follower, plunger*	
F 3428 R (8203100-) Plate, spring, lower*  AF 3614 R (8203100-) Plunger and barrel*  F 3427 R (8203100-) Spring, plunger*  F 3427 R (8203100-) Plute, spring, upper*  F 3426 R (8203100-) Plate, spring, upper*  F 3425 R (8203100-) Plate, spring, upper*  F 3425 R (8203100-) Sleeve, control*  R 1091 R (-8203099) Housing*  F 3419 R (8203100-) Housing*  F 3419 R (8203100-) Housing*  F 3419 R (8203100-) Screw, indicator* (sub. R2772R)  R 1096 R (-8203099) Screw, indicator* (sub. R2772R)  R 1097 R (-9803099) Screw, indicator*  R 1098 R (-9803099) Shim, indicator, .008"*  R 1098 R (-9803099) Valve, delivery  AF 3615 R (8203100-) Spring, delivery valve  F 3420 R (8203100-) Shim, indicator, .035"*  13 AR 833 R (-8203100-) Shim, indicator, .035"*  14 R 1083 R (-8203099) Valve, delivery valve  F 3420 R (8203100-) Spring, delivery valve  F 3420 R (8203100-) Holder, delivery valve  F 3420 R (8203100-) Gasket, delivery valve  F 3421 R (8203100-) Gasket, delivery valve (packed 2 in a pkg.)  F 3424 R (8203100-) Gasket, locating screw* (packed 2 in a pkg.)  F 3424 R (8203100-) Gasket, locating screw* (packed 2 in a pkg.)  F 3423 R (8203100-) Gasket, locating screw* (packed 2 in a pkg.)  F 3424 R (8203100-) Screw, barrel locating*  F 3425 R (8203100-) Screw, barrel locating*  F 3426 R (8203100-) Screw, barrel locating*  F 3427 R (8203100-) Screw, barrel locating*  F 3428 R (8203100-) Screw, barrel locating*  F 3428 R (8203100-) Screw, barrel locating*  F 3429 R (8203100-) Screw, barrel locating*  F 3421 R 1089 R (-8203099) Plump, injection, with gasket		
## AR ## 832 R (		
5 R 1092 R (8203100-) Spring, plunger* 6 R 1091 R (-8203099) Plate, spring, upper* F 3426 R (8203100-) Plate, spring, upper* F 3425 R (8203100-) Sleeve, control* 8 R 1081 R (-8203099) Housing* 9 F 2259 R (-8203100-) Housing* 10 R 1102 R (-8203099) Screw, indicator* (sub. R2772R) 8 R 2772 R (8203100-) Screw, indicator* 11 R 1101 R (-8203099) Screw, indicator* 12 R 1096 R (-9803099) Screw, indicator* 13 R 1099 R (-9803099) Shim, indicator, .008** R 1099 R (-9803099) Shim, indicator, .008** R 1099 R (-9803099) Valve, delivery AF 3615 R (8203100-) Spring, delivery valve F 3436 R (8203100-) Spring, delivery valve F 3436 R (8203100-) Spring, delivery valve F 3436 R (8203100-) Holder, delivery valve F 3420 R (8203100-) Holder, delivery valve F 3420 R (8203100-) Holder, delivery valve F 3422 R (8203100-) Holder, delivery valve 16 B 2979 R (-9803099) Gasket, delivery valve (packed 2 in a pkg.) F 3422 R (8203100-) Gasket, locating screw* (packed 2 in a pkg.) F 3423 R (8203100-) Gasket, locating screw* (packed 2 in a pkg.) F 3423 R (8203100-) Gasket, locating screw* (packed 2 in a pkg.) F 3423 R (8203100-) Gasket, locating screw* (packed 2 in a pkg.) F 3423 R (8203100-) Gasket, locating screw* (packed 2 in a pkg.) F 3423 R (8203100-) Gasket, locating screw* (packed 2 in a pkg.) F 3423 R (8203100-) Gasket, locating screw* (packed 2 in a pkg.) F 3423 R (8203100-) Gasket, locating screw* (packed 2 in a pkg.) F 3423 R (8203100-) Gasket, locating screw* (packed 2 in a pkg.) F 3423 R (8203100-) Gasket, locating screw* (packed 2 in a pkg.) F 3423 R (8203100-) Gasket, locating screw* (packed 2 in a pkg.) F 3424 R (8203100-) Gasket, locating screw* (packed 2 in a pkg.) F 3425 R (8203100-) Gasket, locating screw* (packed 2 in a pkg.) F 3426 R (9803100-) Screw, barrel locating* F 3427 R (8203100-) Screw, barrel locating* F 3428 R (9803100-) Screw, barrel locating*	4 AR 832 R ( -8203099) Plunger and barrel*	
F   3427 R   (8203100-	AF 3614 R (8203100- ) Plunger and barrel*	
F   3427 R   (8203100-	5 R 1092 R ( -8203099) Spring, plunger*	
6 R 1091 R ( -8203099) Plate, spring, upper* F 3426 R (8203100- ) Plate, spring, upper* F 3425 R (8203100- ) Sleeve, control* F 3425 R (8203100- ) Sleeve, control* 8 R 1081 R ( -8203099) Housing* 9 F 2259 R ( - 8203099) Screw, indicator* (sub. R2772R) 10 R 1102 R ( -8203099) Screw, indicator* 11 R 1101 R ( - ) Indicator, control rack* 12 R 1096 R ( - ) Shim, indicator, .008"* R 1097 R ( - ) Shim, indicator, .002"* R 1098 R ( - ) Shim, indicator, .020"* R 1099 R ( - ) Shim, indicator, .025"* R 1090 R ( - ) Shim, indicator, .025"* 13 AR 833 R ( -8203099) Valve, delivery AF 3615 R (8203100- ) Spring, delivery valve F 3436 R (8203100- ) Spring, delivery valve F 3436 R (8203100- ) Holder, delivery valve F 3420 R (8203100- ) Holder, delivery valve F 3420 R (8203100- ) Holder, delivery valve F 3420 R (8203100- ) Holder, delivery valve (packed 2 in a pkg.) F 3422 R (8203100- ) Gasket, delivery valve (packed 2 in a pkg.) F 3424 R (8203100- ) Gasket, delivery valve (packed 2 in a pkg.) F 3424 R (8203100- ) Gasket, delivery valve (packed 2 in a pkg.) F 3424 R (8203100- ) Gasket, locating screw* (packed 2 in a pkg.) F 3424 R (8203100- ) Gasket, locating screw* (packed 2 in a pkg.) F 3424 R (8203100- ) Gasket, locating screw* (packed 2 in a pkg.) F 3424 R (8203100- ) Screw, barrel locating* F 3424 R (8203100- ) Screw, barrel locating* F 3425 R (- 8203099) Screw, barrel locating* F 3426 R (- 8203099) Screw, rack stop*  (Parts listed below are an assembly of most of the parts in this grouping.) AR 1694 R (- 8203099) Pump, injection, with gasket	F 3427 R (8203100- ) Spring, plunger*	
7 R 1090 R ( -8203099) Sleeve, control* F 3425 R (8203100- ) Sleeve, control* 8 R 1081 R ( -8203099) Housing* F 3419 R (8203100- ) Housing* 9 F 2259 R ( - ) Rack, control* 10 R 1102 R ( -8203099) Screw, indicator* (sub. R2772R) R 2772 R (8203100- ) Screw, indicator* 11 R 1101 R ( - ) Indicator, control rack* 12 R 1096 R ( - ) Shim, indicator, .008"* R 1097 R ( - ) Shim, indicator, .012"* R 1098 R ( - ) Shim, indicator, .020"* R 1099 R ( - ) Shim, indicator, .035"* 13 AR 833 R ( -8203099) Valve, delivery 14 R 1083 R ( -8203099) Valve, delivery 15 R 1082 R ( -8203099) Holder, delivery valve F 3436 R (8203100- ) Spring, delivery valve F 3420 R (8203100- ) Holder, delivery valve F 3420 R (8203100- ) Holder, delivery valve 16 B 2979 R ( - ) Cap, protector (sub. for R1119R) 17 R 1084 R ( -8203099) Gasket, delivery valve (packed 2 in a pkg.) F 3422 R (8203100- ) Gasket, delivery valve (packed 2 in a pkg.) F 3424 R (8203100- ) Gasket, locating screw* (packed 2 in a pkg.) F 3424 R (8203100- ) Gasket, locating screw* (packed 2 in a pkg.) F 3424 R (8203100- ) Gasket, locating screw* (packed 2 in a pkg.) F 3424 R (8203100- ) Gasket, locating screw* (packed 2 in a pkg.) F 3424 R (8203100- ) Gasket, locating screw* (packed 2 in a pkg.) F 3424 R (8203100- ) Gasket, locating screw* (packed 2 in a pkg.) F 3424 R (8203100- ) Gasket, locating screw* (packed 2 in a pkg.) F 3424 R (8203100- ) Gasket, locating screw* (packed 2 in a pkg.) F 3424 R (8203100- ) Screw, barrel locating* F 3423 R (8203100- ) Screw, barrel locating* F 3424 R (8203100- ) Screw, barrel locating* P 3425 R (8203100- ) Screw, barrel locating* F 3426 R (8203100- ) Screw, barrel locating* F 3427 R (8203100- ) Screw, barrel locating* F 3428 R (8203100- ) Screw, barrel locating* F 3429 R (8203100- ) Screw, barrel locating*		
F   3425 R   (8203100-		
8 R 1081 R (8203100- ) Housing* F 3419 R (8203100- ) Housing* 9 F 2259 R ( - ) Rack, control* 10 R 1102 R ( -8203099) Screw, indicator* (sub. R2772R) R 2772 R (8203100- ) Screw, indicator* 11 R 1101 R ( - ) Indicator, control rack* 12 R 1096 R ( - ) Shim, indicator, .008"* R 1097 R ( - ) Shim, indicator, .012"* R 1098 R ( - ) Shim, indicator, .020"* R 1100 R ( - ) Shim, indicator, .020"* R 1100 R ( - ) Shim, indicator, .035"*  13 AR 833 R ( -8203099) Valve, delivery AF 3615 R (8203100- ) Valve, delivery 14 R 1083 R ( -8203099) Spring, delivery valve F 3436 R (8203100- ) Spring, delivery valve F 3420 R (8203100- ) Holder, delivery valve 15 R 1082 R ( -8203099) Holder, delivery valve 16 B 2979 R ( - ) Cap, protector (sub. for R1119R) 17 R 1084 R ( -8203099) Gasket, delivery valve (packed 2 in a pkg.) F 3422 R (8203100- ) Gasket, delivery valve (packed 2 in a pkg.) F 3424 R (8203100- ) Gasket, delivery valve (packed 2 in a pkg.) F 3424 R (8203100- ) Gasket, locating screw* (packed 2 in a pkg.) F 3424 R (8203100- ) Gasket, locating screw* (packed 2 in a pkg.) F 3424 R (8203100- ) Gasket, locating screw* (packed 2 in a pkg.) F 3424 R (8203100- ) Gasket, locating screw* (packed 2 in a pkg.) F 3424 R (8203100- ) Screw, barrel locating* F 3423 R (8203100- ) Screw, barrel locating* P 3424 R (8203100- ) Screw, barrel locating* P 3425 R (8203100- ) Screw, barrel locating* P 3426 R (8203100- ) Screw, barrel locating* P 3427 R (8203100- ) Screw, barrel locating* P 3428 R (8203100- ) Screw, barrel locating* P 3429 R (8203100- ) Screw, barrel locating* P 3421 R 1089 R ( - ) Plug* Screw, rack stop*		
F 3419 R (8203100-) Housing*  9 F 2259 R ( - ) Rack, control*  10 R 1102 R ( -8203099) Screw, indicator* (sub. R2772R)  R 2772 R (8203100-) Screw, indicator*  11 R 1101 R ( - ) Indicator, control rack*  12 R 1096 R ( - ) Shim, indicator, .008"*  R 1097 R ( - ) Shim, indicator, .012"*  R 1098 R ( - ) Shim, indicator, .020"*  R 1099 R ( - ) Shim, indicator, .020"*  R 1100 R ( - ) Shim, indicator, .035"*  13 AR 833 R ( -8203099) Valve, delivery  AF 3615 R (8203100-) Valve, delivery  14 R 1083 R ( -8203099) Spring, delivery valve  F 3436 R (8203100-) Spring, delivery valve  F 3420 R (8203100-) Holder, delivery valve  15 R 1082 R ( -8203099) Holder, delivery valve  16 B 2979 R ( - ) Cap, protector (sub. for R1119R)  17 R 1064 R ( -3203099) Gasket, delivery valve (packed 2 in a pkg.)  F 3422 R (8203100-) Gasket, delivery valve (packed 2 in a pkg.)  F 3424 R (8203100-) Gasket, locating screw* (packed 2 in a pkg.)  F 3424 R (8203100-) Gasket, locating screw* (packed 2 in a pkg.)  F 3424 R (8203100-) Gasket, locating screw* (packed 2 in a pkg.)  F 3424 R (8203100-) Gasket, locating screw* (packed 2 in a pkg.)  F 3423 R (8203100-) Screw, barrel locating*  F 3423 R (8203100-) Screw, barrel locating*  P 3424 R (8203100-) Screw, barrel locating*  P 3425 R (8203100-) Screw, barrel locating*  P 3426 R (1086 R ( - ) Plug*  Screw, rack stop*	F 3425 R (8203100- ) Sleeve, control*	
9 F 2259 R ( - ) Rack, control* 10 R 1102 R ( -8203099) Screw, indicator* (sub. R2772R) R 2772 R (8203100- ) Screw, indicator* 11 R 1101 R ( - ) Indicator, control rack* 12 R 1096 R ( - ) Shim, indicator, .008"* R 1097 R ( - ) Shim, indicator, .012"* R 1098 R ( - ) Shim, indicator, .020"* R 1099 R ( - ) Shim, indicator, .026"* R 1100 R ( - ) Shim, indicator, .035"*  13 AR 833 R ( -8203099) Valve, delivery AF 3615 R (8203100- ) Valve, delivery 14 R 1083 R ( -8203099) Spring, delivery valve F 3436 R (8203100- ) Spring, delivery valve F 3420 R (8203100- ) Holder, delivery valve F 3420 R (8203100- ) Holder, delivery valve 16 B 2979 R ( - ) Cap, protector (sub. for R1119R) 17 R 1084 R ( -8203099) Gasket, delivery valve (packed 2 in a pkg.) F 3422 R (8203100- ) Gasket, delivery valve (packed 2 in a pkg.) F 3424 R (8203100- ) Gasket, locating screw* (packed 2 in a pkg.) F 3424 R (8203100- ) Gasket, locating screw* (packed 2 in a pkg.) F 3424 R (8203100- ) Gasket, locating screw* (packed 2 in a pkg.) F 3423 R (8203100- ) Screw, barrel locating* F 3423 R (8203100- ) Screw, barrel locating* P 3423 R (8203100- ) Screw, barrel locating*  10 R 1086 R ( - ) Plug* 11 R 1089 R ( - ) Screw, rack stop*  12 Parts listed below are an assembly of most of the parts in this grouping.)  13 AR 1694 R ( -8203099) Pump, injection, with gasket	8 R 1081 R ( -8203099) Housing*	
10 R 1102 R ( -8203099) Screw, indicator* (sub. R2772R) R 2772 R (8203100- ) Screw, indicator*  11 R 1101 R ( - ) Indicator, control rack*  12 R 1096 R ( - ) Shim, indicator, .008"* R 1097 R ( - ) Shim, indicator, .012"* R 1098 R ( - ) Shim, indicator, .020"* R 1099 R ( - ) Shim, indicator, .05"* R 1100 R ( - ) Shim, indicator, .05"*  13 AR 833 R ( -8203099) Valve, delivery AF 3615 R (8203100- ) Valve, delivery  14 R 1083 R ( -8203099) Spring, delivery valve F 3436 R (8203100- ) Spring, delivery valve  15 R 1082 R ( -8203099) Holder, delivery valve F 3420 R (8203100- ) Holder, delivery valve  16 B 2979 R ( - ) Cap, protector (sub. for R1119R)  17 R 1084 R ( -8203099) Gasket, delivery valve (packed 2 in a pkg.) F 3422 R (8203100- ) Gasket, delivery valve (packed 2 in a pkg.) F 3424 R (8203100- ) Gasket, locating screw* (packed 2 in a pkg.) F 3424 R (8203100- ) Gasket, locating screw* (packed 2 in a pkg.) F 3423 R (8203100- ) Screw, barrel locating* F 3423 R (8203100- ) Screw, barrel locating*  19 R 1085 R ( -8203099) Screw, barrel locating* F 3423 R (8203100- ) Screw, barrel locating* P 3423 R (8203100- ) Screw, barrel locating*  19 R 1085 R ( -8203099) Screw, barrel locating* P 3423 R (8203100- ) Screw, barrel locating* P 3423 R (8203100- ) Screw, barrel locating* P 3423 R (8203100- ) Screw, rack stop*  (Parts listed below are an assembly of most of the parts in this grouping.) AR 1694 R ( -8203099) Pump, injection, with gasket	F 3419 R (8203100- ) Housing*	
R 2772 R (8203100-) Screw, indicator*  11 R 1101 R ( - ) Indicator, control rack*  12 R 1096 R ( - ) Shim, indicator, .008"*  R 1097 R ( - ) Shim, indicator, .012"*  R 1098 R ( - ) Shim, indicator, .020"*  R 1099 R ( - ) Shim, indicator, .065"*  R 1100 R ( - ) Shim, indicator, .035"*  13 AR 833 R ( -8203099) Valve, delivery  AF 3615 R (8203100- ) Valve, delivery  14 R 1083 R ( -8203099) Spring, delivery valve  F 3436 R (8203100- ) Spring, delivery valve  F 3420 R (8203100- ) Holder, delivery valve  F 3420 R (8203100- ) Holder, delivery valve  16 B 2979 R ( - ) Cap, protector (sub. for R1119R)  17 R 1084 R ( -8203099) Gasket, delivery valve (packed 2 in a pkg.)  F 3422 R (8203100- ) Gasket, delivery valve (packed 2 in a pkg.)  F 3424 R (8203100- ) Gasket, locating screw* (packed 2 in a pkg.)  F 3424 R (8203100- ) Gasket, locating screw* (packed 2 in a pkg.)  F 3424 R (8203100- ) Gasket, locating screw* (packed 2 in a pkg.)  F 3423 R (8203100- ) Screw, barrel locating*  F 3423 R (8203100- ) Screw, barrel locating*  F 3423 R (8203100- ) Screw, barrel locating*  P 3423 R (8203100- ) Screw, barrel locating*  P 3424 R (8203100- ) Screw, barrel locating*  F 3425 R (8203100- ) Screw, barrel locating*  P 3426 R ( - ) Plug*  Screw, barrel locating*  P 3427 R (8203100- ) Screw, barrel locating*  P 3428 R (8203100- ) Screw, barrel locating*  P 3429 R (8203100- ) Screw, barrel locating*  P 3420 R 1086 R ( - ) Plug*  Screw, barrel locating.	9 F 2259 R ( - ) Rack, control*	
11 R 1101 R ( - ) Indicator, control rack*  12 R 1096 R ( - ) Shim, indicator, .008"*  R 1097 R ( - ) Shim, indicator, .012"*  R 1098 R ( - ) Shim, indicator, .020"*  R 1099 R ( - ) Shim, indicator, .065"*  R 1100 R ( - ) Shim, indicator, .035"*  13 AR 833 R ( -8203099) Valve, delivery  AF 3615 R (8203100- ) Valve, delivery  14 R 1083 R ( -8203099) Spring, delivery valve  F 3436 R (8203100- ) Spring, delivery valve  F 3420 R (8203100- ) Holder, delivery valve  15 R 1082 R ( -8203099) Holder, delivery valve  F 3420 R (8203100- ) Holder, delivery valve  16 B 2979 R ( - ) Cap, protector (sub. for R1119R)  17 R 1064 R ( -8203099) Gasket, delivery valve (packed 2 in a pkg.)  F 3422 R (8203100- ) Gasket, delivery valve (packed 2 in a pkg.)  F 3424 R (8203100- ) Gasket, locating screw* (packed 2 in a pkg.)  F 3424 R (8203100- ) Gasket, locating screw* (packed 2 in a pkg.)  F 3423 R (8203100- ) Gasket, locating screw* (packed 2 in a pkg.)  F 3423 R (8203100- ) Gasket, locating screw* (packed 2 in a pkg.)  F 3423 R (8203100- ) Screw, barrel locating*  20 R 1086 R ( - ) Plug*  21 R 1089 R ( - ) Screw, rack stop*  (Parts listed below are an assembly of most of the parts in this grouping.)  AR 1694 R ( -8203099) Pump, injection, with gasket		
12 R 1096 R ( - ) Shim, indicator, .008"* R 1097 R ( - ) Shim, indicator, .012"* R 1098 R ( - ) Shim, indicator, .020"* R 1099 R ( - ) Shim, indicator, .025"* R 1100 R ( - ) Shim, indicator, .035"*  13 AR 833 R ( -8203099) Valve, delivery AF 3615 R (8203100- ) Valve, delivery  14 R 1083 R ( -8203099) Spring, delivery valve F 3436 R (8203100- ) Spring, delivery valve 15 R 1082 R ( -8203099) Holder, delivery valve F 3420 R (8203100- ) Holder, delivery valve 16 B 2979 R ( - ) Cap, protector (sub. for R1119R) 17 R 1084 R ( -8203099) Gasket, delivery valve (packed 2 in a pkg.) F 3422 R (8203100- ) Gasket, delivery valve (packed 2 in a pkg.) F 3424 R (8203100- ) Gasket, locating screw* (packed 2 in a pkg.) F 3424 R (8203100- ) Gasket, locating screw* (packed 2 in a pkg.) F 3424 R (8203100- ) Gasket, locating screw* (packed 2 in a pkg.) F 3423 R (8203100- ) Screw, barrel locating* F 3423 R (8203100- ) Screw, barrel locating* P 3424 R (8203100- ) Screw, barrel locating* P 3425 R (8203100- ) Screw, barrel locating* P 3426 R (8203100- ) Screw, barrel locating* P 3427 R (8203100- ) Screw, barrel locating* P 3428 R (8203100- ) Screw, barrel locating* P 3429 R (8203100- ) Screw, barrel locating*	R 2772 R (8203100- ) Screw, indicator*	
R 1097 R ( - ) Shim, indicator, .012** R 1098 R ( - ) Shim, indicator, .020** R 1099 R ( - ) Shim, indicator, .065** R 1100 R ( - ) Shim, indicator, .035**  13 AR 833 R ( -8203099) Valve, delivery AF 3615 R (8203100- ) Valve, delivery  14 R 1083 R ( -8203099) Spring, delivery valve F 3436 R (8203100- ) Spring, delivery valve F 3420 R (8203100- ) Holder, delivery valve F 3420 R (8203100- ) Holder, delivery valve 16 B 2979 R ( - ) Cap, protector (sub. for R1119R) 17 R 1084 R ( -8203099) Gasket, delivery valve (packed 2 in a pkg.) F 3422 R (8203100- ) Gasket, delivery valve (packed 2 in a pkg.) F 3424 R (8203100- ) Gasket, locating screw* (packed 2 in a pkg.) F 3424 R (8203100- ) Gasket, locating screw* (packed 2 in a pkg.) F 3423 R (8203100- ) Gasket, locating screw* (packed 2 in a pkg.) P R 1085 R ( -8203099) Screw, barrel locating* F 3423 R (8203100- ) Screw, barrel locating* P 3423 R (8203100- ) Screw, barrel locating* P 3423 R (8203100- ) Screw, rack stop*  (Parts listed below are an assembly of most of the parts in this grouping.) AR 1694 R ( -8203099) Pump, injection, with gasket	11 R 1101 R ( - ) Indicator, control rack*	
R 1098 R ( - ) Shim, indicator, .020** R 1099 R ( - ) Shim, indicator, .065** R 1100 R ( - ) Shim, indicator, .035**  13 AR 833 R ( -8203099) Valve, delivery AF 3615 R (8203100- ) Valve, delivery  14 R 1083 R ( -8203099) Spring, delivery valve F 3436 R (8203100- ) Spring, delivery valve F 3420 R (8203100- ) Holder, delivery valve F 3420 R (8203100- ) Holder, delivery valve  16 B 2979 R ( - ) Cap, protector (sub. for R1119R)  17 R 1084 R ( -8203099) Gasket, delivery valve (packed 2 in a pkg.) F 3422 R (8203100- ) Gasket, delivery valve (packed 2 in a pkg.) F 3424 R (8203100- ) Gasket, locating screw* (packed 2 in a pkg.) F 3424 R (8203100- ) Gasket, locating screw* (packed 2 in a pkg.)  19 R 1085 R ( -8203099) Screw, barrel locating* F 3423 R (8203100- ) Screw, barrel locating* P 3423 R (8203100- ) Screw, barrel locating*  P 3423 R (8203100- ) Screw, barrel locating*  P 3423 R (8203100- ) Screw, barrel locating*  P 3424 R (8203100- ) Screw, rack stop*  (Parts listed below are an assembly of most of the parts in this grouping.) AR 1694 R ( -8203099) Pump, injection, with gasket	12 R 1096 R ( - ) Shim, indicator, .008"*	
R 1099 R ( - ) Shim, indicator, .065"* R 1100 R ( - ) Shim, indicator, .035"*  13 AR 833 R ( -8203099) Valve, delivery AF 3615 R (8203100- ) Valve, delivery  14 R 1083 R ( -8203099) Spring, delivery valve F 3436 R (8203100- ) Spring, delivery valve F 3420 R (8203100- ) Holder, delivery valve F 3420 R (8203100- ) Holder, delivery valve  16 B 2979 R ( - ) Cap, protector (sub. for R1119R) 17 R 1084 R ( -8203099) Gasket, delivery valve (packed 2 in a pkg.) F 3422 R (8203100- ) Gasket, delivery valve (packed 2 in a pkg.) F 3424 R (8203100- ) Gasket, locating screw* (packed 2 in a pkg.) F 3424 R (8203100- ) Gasket, locating screw* (packed 2 in a pkg.) F 3423 R (8203100- ) Screw, barrel locating* F 3423 R (8203100- ) Screw, barrel locating* P 3423 R (8203100- ) Screw, barrel locating* P 3423 R (8203100- ) Screw, barrel locating* P 3423 R (8203100- ) Screw, rack stop*  (Parts listed below are an assembly of most of the parts in this grouping.) AR 1694 R ( -8203099) Pump, injection, with gasket	R 1097 R ( - ) Shim, indicator, .012"*	
R 1100 R ( - ) Shim, indicator, .035**  AR 833 R ( -8203099) Valve, delivery  AF 3615 R (8203100- ) Valve, delivery  14 R 1083 R ( -8203099) Spring, delivery valve  F 3436 R (8203100- ) Spring, delivery valve  15 R 1082 R ( -8203099) Holder, delivery valve  F 3420 R (8203100- ) Holder, delivery valve  16 B 2979 R ( - ) Cap, protector (sub. for R1119R)  17 R 1084 R ( -8203099) Gasket, delivery valve (packed 2 in a pkg.)  F 3422 R (8203100- ) Gasket, delivery valve (packed 2 in a pkg.)  F 3424 R (8203100- ) Gasket, locating screw* (packed 2 in a pkg.)  F 3424 R (8203100- ) Gasket, locating screw* (packed 2 in a pkg.)  F 3424 R (8203100- ) Gasket, locating screw* (packed 2 in a pkg.)  F 3423 R (8203100- ) Screw, barrel locating*  F 3423 R (8203100- ) Screw, barrel locating*  P 1086 R ( - ) Plug*  20 R 1086 R ( - ) Plug*  21 R 1089 R ( - ) Screw, rack stop*  (Parts listed below are an assembly of most of the parts in this grouping.)  AR 1694 R ( -8203099) Pump, injection, with gasket	R 1098 R ( - ) Shim, indicator, .020"*	
13 AR 833 R ( -8203099) Valve, delivery AF 3615 R (8203100- ) Valve, delivery 14 R 1083 R ( -8203099) Spring, delivery valve F 3436 R (8203100- ) Spring, delivery valve 15 R 1082 R ( -8203099) Holder, delivery valve F 3420 R (8203100- ) Holder, delivery valve 16 B 2979 R ( - ) Cap, protector (sub. for R1119R) 17 R 1084 R ( -8203099) Gasket, delivery valve (packed 2 in a pkg.) F 3422 R (8203100- ) Gasket, delivery valve (packed 2 in a pkg.) F 3424 R (8203100- ) Gasket, locating screw* (packed 2 in a pkg.) F 3424 R (8203100- ) Gasket, locating screw* (packed 2 in a pkg.) F 3423 R (8203100- ) Screw, barrel locating* F 3423 R (8203100- ) Screw, barrel locating* P 3423 R (8203100- ) Screw, barrel locating* P 3424 R (8203100- ) Screw, barrel locating* P 3425 R (8203100- ) Screw, barrel locating* P 3426 R ( - ) Plug* Plug* Plug* Parts listed below are an assembly of most of the parts in this grouping.) AR 1694 R ( -8203099) Pump, injection, with gasket	R 1099 R ( - ) Shim, indicator, .065"*	
AF 3615 R (8203100-) Valve, delivery  14 R 1083 R ( -8203099) Spring, delivery valve F 3436 R (8203100-) Spring, delivery valve  15 R 1082 R ( -8203099) Holder, delivery valve F 3420 R (8203100-) Holder, delivery valve  16 B 2979 R ( - ) Cap, protector (sub. for R1119R)  17 R 1084 R ( -8203099) Gasket, delivery valve (packed 2 in a pkg.) F 3422 R (8203100-) Gasket, delivery valve (packed 2 in a pkg.) F 3424 R (8203100-) Gasket, locating screw* (packed 2 in a pkg.) F 3424 R (8203100-) Gasket, locating screw* (packed 2 in a pkg.) F 3423 R (8203100-) Gasket, locating screw* (packed 2 in a pkg.)  19 R 1085 R ( -8203099) Screw, barrel locating* F 3423 R (8203100-) Screw, barrel locating*  20 R 1086 R ( - ) Plug*  21 R 1089 R ( - ) Screw, rack stop*  (Parts listed below are an assembly of most of the parts in this grouping.) AR 1694 R ( -8203099) Pump, injection, with gasket	R 1100 R ( - ) Shim, indicator, .035"*	
14 R 1083 R ( -8203099) Spring, delivery valve F 3436 R (8203100- ) Spring, delivery valve 15 R 1082 R ( -8203099) Holder, delivery valve F 3420 R (8203100- ) Holder, delivery valve 16 B 2979 R ( - ) Cap, protector (sub. for R1119R) 17 R 1084 R ( -8203099) Gasket, delivery valve (packed 2 in a pkg.) F 3422 R (8203100- ) Gasket, delivery valve (packed 2 in a pkg.) F 3424 R (8203100- ) Gasket, locating screw* (packed 2 in a pkg.) F 3424 R (8203100- ) Gasket, locating screw* (packed 2 in a pkg.) 19 R 1085 R ( -8203099) Screw, barrel locating* F 3423 R (8203100- ) Screw, barrel locating* 20 R 1086 R ( - ) Plug* 21 R 1089 R ( - ) Screw, rack stop*  (Parts listed below are an assembly of most of the parts in this grouping.) AR 1694 R ( -8203099) Pump, injection, with gasket	13 AR 833 R ( -8203099) Valve, delivery	
F 3436 R (8203100-) Spring, delivery valve  15 R 1082 R (-8203099) Holder, delivery valve  F 3420 R (8203100-) Holder, delivery valve  16 B 2979 R (-) Cap, protector (sub. for R1119R)  17 R 1084 R (-8203099) Gasket, delivery valve (packed 2 in a pkg.)  F 3422 R (8203100-) Gasket, locating screw* (packed 2 in a pkg.)  F 3424 R (8203100-) Gasket, locating screw* (packed 2 in a pkg.)  F 3424 R (8203100-) Gasket, locating screw* (packed 2 in a pkg.)  19 R 1085 R (-8203099) Screw, barrel locating*  F 3423 R (8203100-) Screw, barrel locating*  20 R 1086 R (-) Plug*  21 R 1089 R (-) Screw, rack stop*  (Parts listed below are an assembly of most of the parts in this grouping.)  AR 1694 R (-8203099) Pump, injection, with gasket		
15 R 1082 R (8203100- Holder, delivery valve F 3420 R (8203100- Cap, protector (sub. for R1119R)  16 B 2979 R ( - ) Cap, protector (sub. for R1119R)  17 R 1084 R (-8203099) Gasket, delivery valve (packed 2 in a pkg.)  18 R 1087 R (-8203099) Gasket, locating screw* (packed 2 in a pkg.)  19 F 3424 R (8203100- Gasket, locating screw* (packed 2 in a pkg.)  19 R 1085 R (-8203099) Screw, barrel locating*  F 3423 R (8203100- Screw, barrel locating*  20 R 1086 R (- ) Plug*  21 R 1089 R (- ) Screw, rack stop*  (Parts listed below are an assembly of most of the parts in this grouping.)  AR 1694 R (-8203099) Pump, injection, with gasket	14 R 1083 R ( -8203099) Spring, delivery valve	
F 3420 R (8203100- ) Holder, delivery valve  16 B 2979 R ( - ) Cap, protector (sub. for R1119R)  17 R 1084 R ( -8203099) Gasket, delivery valve (packed 2 in a pkg.)  F 3422 R (8203100- ) Gasket, delivery valve (packed 2 in a pkg.)  18 R 1087 R ( -8203099) Gasket, locating screw* (packed 2 in a pkg.)  F 3424 R (8203100- ) Gasket, locating screw* (packed 2 in a pkg.)  19 R 1085 R ( -8203099) Screw, barrel locating*  F 3423 R (8203100- ) Screw, barrel locating*  20 R 1086 R ( - ) Plug*  21 R 1089 R ( - ) Screw, rack stop*  (Parts listed below are an assembly of most of the parts in this grouping.)  AR 1694 R ( -8203099) Pump, injection, with gasket		
16 B 2979 R ( - ) Cap, protector (sub. for R1119R)  17 R 1084 R ( -8203099) Gasket, delivery valve (packed 2 in a pkg.)  F 3422 R (8203100- ) Gasket, delivery valve (packed 2 in a pkg.)  18 R 1087 R ( -8203099) Gasket, locating screw* (packed 2 in a pkg.)  F 3424 R (8203100- ) Gasket, locating screw* (packed 2 in a pkg.)  19 R 1085 R ( -8203099) Screw, barrel locating*  F 3423 R (8203100- ) Screw, barrel locating*  20 R 1086 R ( - ) Plug*  21 R 1089 R ( - ) Screw, rack stop*  (Parts listed below are an assembly of most of the parts in this grouping.)  AR 1694 R ( -8203099) Pump, injection, with gasket		
17 R 1084 R ( -8203099) Gasket, delivery valve (packed 2 in a pkg.) F 3422 R (8203100- ) Gasket, delivery valve (packed 2 in a pkg.)  18 R 1087 R ( -8203099) Gasket, locating screw* (packed 2 in a pkg.) F 3424 R (8203100- ) Gasket, locating screw* (packed 2 in a pkg.)  19 R 1085 R ( -8203099) Screw, barrel locating* F 3423 R (8203100- ) Screw, barrel locating*  20 R 1086 R ( - ) Plug*  21 R 1089 R ( - ) Screw, rack stop*  (Parts listed below are an assembly of most of the parts in this grouping.) AR 1694 R ( -8203099) Pump, injection, with gasket	F 3420 R (8203100- ) Holder, delivery valve	
F 3422 R (8203100-) Gasket, delivery valve (packed 2 in a pkg.)  18 R 1087 R ( -8203099) Gasket, locating screw* (packed 2 in a pkg.)  F 3424 R (8203100-) Gasket, locating screw* (packed 2 in a pkg.)  19 R 1085 R ( -8203099) Screw, barrel locating*  F 3423 R (8203100-) Screw, barrel locating*  20 R 1086 R ( - ) Plug*  21 R 1089 R ( - ) Screw, rack stop*  (Parts listed below are an assembly of most of the parts in this grouping.)  AR 1694 R ( -8203099) Pump, injection, with gasket		
18 R 1087 R ( -8203099) Gasket, locating screw* (packed 2 in a pkg.) F 3424 R (8203100- ) Gasket, locating screw* (packed 2 in a pkg.)  19 R 1085 R ( -8203099) Screw, barrel locating* F 3423 R (8203100- ) Screw, barrel locating*  20 R 1086 R ( - ) Plug*  21 R 1089 R ( - ) Screw, rack stop*  (Parts listed below are an assembly of most of the parts in this grouping.) AR 1694 R ( -8203099) Pump, injection, with gasket		
F 3424 R (8203100- ) Gasket, locating screw* (packed 2 in a pkg.)  19 R 1085 R ( -8203099) Screw, barrel locating*  F 3423 R (8203100- ) Screw, barrel locating*  20 R 1086 R ( - ) Plug*  21 R 1089 R ( - ) Screw, rack stop*  (Parts listed below are an assembly of most of the parts in this grouping.)  AR 1694 R ( -8203099) Pump, injection, with gasket		
19 R 1085 R ( -8203099) Screw, barrel locating* F 3423 R (8203100- ) Screw, barrel locating* 20 R 1086 R ( - ) Plug* 21 R 1089 R ( - ) Screw, rack stop*  (Parts listed below are an assembly of most of the parts in this grouping.) AR 1694 R ( -8203099) Pump, injection, with gasket		
F 3423 R (8203100- ) Screw, barrel locating*  20 R 1086 R ( - ) Plug*  21 R 1089 R ( - ) Screw, rack stop*  (Parts listed below are an assembly of most of the parts in this grouping.)  AR 1694 R ( -8203099) Pump, injection, with gasket		kg.)
20 R 1086 R ( - ) Plug* 21 R 1089 R ( - ) Screw, rack stop*  (Parts listed below are an assembly of most of the parts in this grouping.)  AR 1694 R ( -8203099) Pump, injection, with gasket		
21 R 1089 R ( - ) Screw, rack stop*  (Parts listed below are an assembly of most of the parts in this grouping.)  AR 1694 R ( -8203099) Pump, injection, with gasket	,	
(Parts listed below are an assembly of most of the parts in this grouping.)  AR 1694 R ( -8203099) Pump, injection, with gasket		
AR 1694 R ( -8203099) Pump, injection, with gasket	21 R 1089 R ( - ) Screw, rack stop*	
AR 1694 R ( -8203099) Pump, injection, with gasket		
AR 1802 R (8203100- ) rump, injection, with gasket	AR 1802 R (8203100- ) Pump, injection, with gasket	

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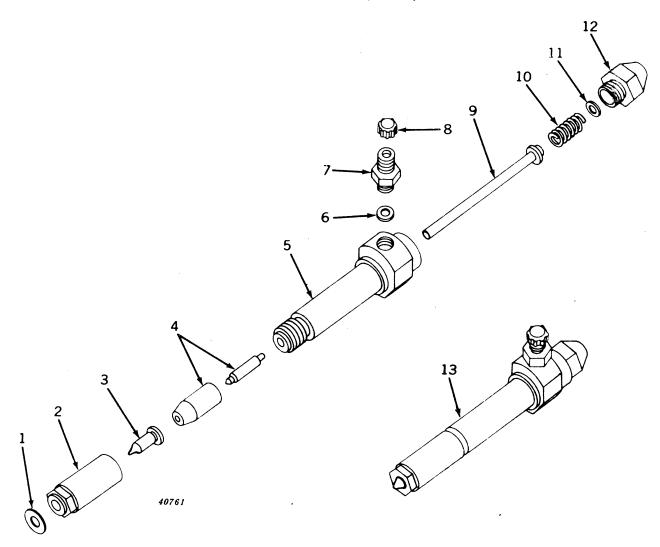
## INJECTOR NOZZLE (Scintilla)



Key	P.	art No.	Serial No.	Description
1	R	463 R	( - )	Washer (copper) (packed 10 in a pkg.)
2	R	933 R	( - )	Nut, spray tip retaining
3	F	2139 R	<i>i</i> -8 <b>2</b> 03099)	Tip, spray
-	Ŕ	2700 R	(8203100-	Tip, spray
4	AR	736 R	· - )	Valve, nozzle*
4 5	R	931 R	· - )	Body, nozzle holder*
6		941 R	i - i	Washer, inlet nipple
7	R R	942 R	( - )	Nipple, inlet
6 7 8 9	В	2979 R	( - )	Cap, protector (packed 5 in a pkg.) (sub. for R1119R)
9	AR	737 R	( - )°	Pin, pressure*
10	R	934 R	( - )	Spring, nozzle*
11	R	939 R	( - )	Seat, spring*
12	R	1048 R	( - )	Shim, pressure adjusting, .003**
	R	1234 R	- )	Shim, pressure adjusting, .004"*
	R R R	935 R	( - )	Shim, pressure adjusting, .005"* (packed 2 in a pkg.)
	R	93 <b>6 R</b>	( - )	Shim, pressure adjusting, .010"*
	R	937 R	( - )	Shim, pressure adjusting, .016"*
	R	938 R	( - )	Shim, pressure adjusting, .031**
13	R	940 R	( - )	Cap, spring*
14	AF	2156 R	( -8 <b>2</b> 03099)	Nozzle, injector, complete (scintilla) (2 used)
	AR	1804 R	(8203100-	Nozzle, injector, complete (scintilla) (2 used)
Parts	listed	helow are	not illustrated.)	
(r arw	AF	2291 R	( -8203099)	Broach, cleaning, nozzle spray tip (0.0098" dia.) (set of 5)
		20148 R	(8203100-	Broach, cleaning, nozzle spray tip (0.0118" dia.) (set of 5)
	AIL	POL-TO IV	(0203100- )	beach, occurring, notice of the occurring the occurring the occurring the occurring the occurring the occurrence of the

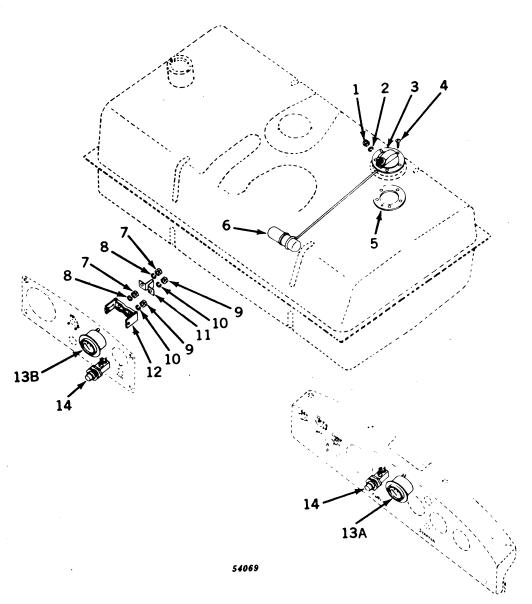
<sup>\*</sup>Special equipment required when these parts are serviced.

### INJECTOR NOZZLE (Bosch)



Key	P	art No.	Serial No.	Description
1	R	463 R	( - )	Washer (copper) (packed 10 in a pkg.)
2	R	1105 R	( - )	Nut, spray tip retaining
3	R	2587 R	( -8 <b>20</b> 3099)	Tip, spray (sub. for F2140R)
	R	2701 R	(8203100-	Tip, spray
4	AR	834 R	( - )	Valve, nozzle*
5	R	1103 R	( - )	Body, nozzle holder*
4 5 6	R	1107 R	( - )	Washer, inlet nipple (packed 2 in a pkg.)
7	R	1106 R	( - )	Nipple, inlet
8	В	2979 R	( - )	Cap, protector (packed 5 in a pkg.) (sub. for R1119R)
7 8 9	AR	835 R	( - )	Pin, pressure*
10	R	1108 R	( - )	Spring, nozzle*
11	R	1109 R	( - )	Shim, pressure adjusting, .004"* (packed 5 in a pkg.)
	R	1110 R	( - )	Shim, pressure adjusting, .008**
	R	1111 R	( - )	Shim, pressure adjusting, .020**
	R	1112 R	( - )	Shim, pressure adjusting, .042"*
	R	1113 R	( - )	Shim, pressure adjusting, .083"*
	R	1114 R	( - )	Shim, pressure adjusting, 3.5 mm*
	R	1115 R	( - )	Shim, pressure adjusting, .002"*
12	R	1116 R	( - )	Cap, spring*
13	AF	2157 R	( -8203099)	Nozzle, injector, complete (bosch) (2 used)
	AR	1805 R	<b>(</b> 8203100- )	Nozzle, injector, complete (bosch) (2 used)
/Dame	listad	helow are	not illustrated.)	
(1 alls	AF		( -8203099)	Broach, cleaning, nozzle spray tip (0.0098" dia.) (set of 5)
		20148 R	(8203100-	Broach, cleaning, nozzle spray tip (0.018" dia.) (set of 5)
	AK	F0140 1/	(0203100-	moach, creating, nowie spray up (0.0110 dia,) (set of 5)

## FUEL GAUGE

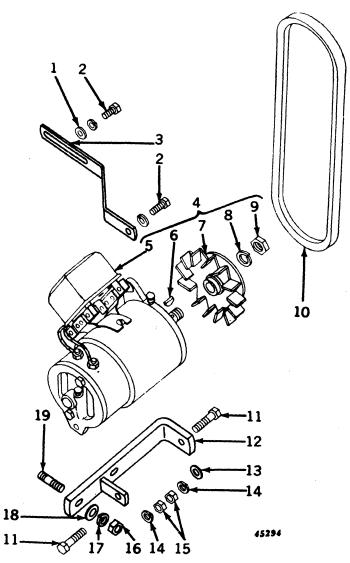


Key	Part No.	Serial No.	Description
1	14H 631 R	( - )	Nut, no. 10
2	A 767 R	( - )	Washer, lock (packed 50 in a pkg.)
3	AR 1112 R	( - ).	Sender, fuel gauge, with float
4	F 2149 R	( - )	Screw, self-tapping, no. 8 x 3/8" (5 used)
5	R 27181 R	( - )	Gasket (packed 5 in a pkg.) (sub. for F2148R)
6	F 2167 R	( - )	Float, fuel gauge sender
7	14H 605 R	· ( - )	Nut, no. 8 (2 used)
8	12H 35 R	( - )·	Washer, lock, no. 8 (2 used)
9	14H 631 R	( - )	Nut, no. 10 (2 used)
10	12H 36 R	· ( - )	Washer, lock, no. 10 (2 used)
11	F 2147 R	( - )	Separator, terminal, fuel gauge receiver
12	F 2146 R	( - )	Clamp, fuel gauge receiver
13A	AF 2170 R	( -8199999)	Receiver, fuel gauge (6-volt) (sub. AF2739R)
13B	AF 2739 R	(8200000-	Receiver, fuel gauge (6-volt) (C.E.)
	AF 2721 R	(8300000-	Receiver, fuel gauge (12-volt) (elec.)
14	AF 2171 R	( - )	Switch, fuel gauge (C.E.)
	R 21156 R	(8301 <b>267</b> -	Cap, fuel gauge switch (rubber)
	R 21157 R	<b>(</b> 8301 <b>2</b> 67- )	Nut, fuel gauge switch

NOTE: For fuel gauge wiring, see "instrument panel wiring."

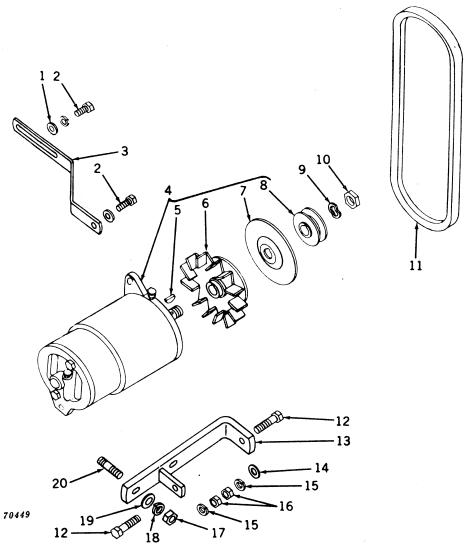
## MEMORANDA

## GENERATOR, REGULATOR, AND MOUNTING BRACKET (C.E.)



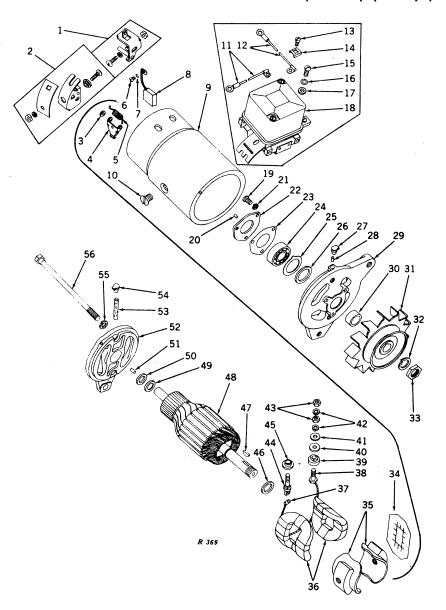
Key	Part No.	Serial No.	Description
1	24H 143 R	( - )	Washer, $21/64" \times 3/4" \times 16$ gauge
2	19H 1112 H	i - 5	Screw, cap, 5/16" x 3/4" (2 used)
	12H 10 R	· -	Washer, lock, 5/16" (2 used)
3	R 1647 R	} - {	Strap, adjusting
4	AF 2080 R	} _ {	Generator, with regulator, fan, and pulley (6-volt) (Delco-Remy
-	2000 1	· · · · · · · · · · · · · · · · · · ·	No. 1100027) (see page 40-4 for parts) (sub. AR21907 R, Delco-
			Remy No. 1947580) (see page 40-? for parts)
5	1118786	1	Regulator, voltage (for parts, see page 40-10)
6	26H 72 R	-	
7	AR 11097 R		Key, Woodruff, 1/8" x 5/8" Pollow and faw (ash faw 1024660)
<b>,</b>		( - )	Pulley and fan (sub. for 1924689)
8	804000	( - )	Washer, lock
9	806915	( - )	Nut
10	R 1561 R	( - )	Belt, fan and generator
11	F 2273 R	( - )	Screw, special cap (2 used)
12	AR 371 R	( -8299999)	Bracket, mounting
	AR 20429 R	(8300000 - )	Bracket, mounting
13	24H 43 R	- 1	Washer, 7/16" x 1" x 20 gauge
14	12H 11 R	} - {	Washer, lock, 3/8" (2 used)
15	14H 812 C	·	Nut, 3/8" (2 used) (sub. for 14H255R)
16	14H 813 C	} {	Nut, 7/16" (2 used) (sub. for 14H257R)
17	12H 12 R	} - {	Washer, lock, 7/16" (2 used)
18	24H 169 R	} - {	
19		- }	Washer, 15/32" x 15/16" x 16 gauge (2 used)
19	K 3083 R	( - )	Stud, $7/16^{n} \times 1-3/4^{n}$ (2 used)
		-	

GENERATOR, AND MOUNTING BRACKET (Elec.)
(Serial No. 8300000-)



Key	Part No.	Serial No.	Description
1	24H 143 R	(8300000-	Washer, 21/64" x 3/4" x 16 gauge
2	19H 1112 H	(8300000 – j	Screw, cap, 5/16" x 3/4" (2 used)
	12H 10 R	(8300000-	Washer, lock, 5/16" (2 used)
3	R 1647 R	(8300000-	Strap, adjusting
4	AR 11007 R	(8300000-	Generator, with fan, and pulley (24-volt) (Delco-Remy No. 1103021)
			(see page 40-8 for parts)
5	26H 72 R	(8300000- )	Key, Woodruff, 1/8" x 5/8"
6	R 11047 R	(8300000-	Fan
7	R 11048 R	(8300000-	Baffle, fan
8	R 11046 R	(8300000-	Pulley
9	T 10745 T	18300000-	Washer, spring
10	R 11049 R	(8300000-	Nut
11	R 1561 R	(8300000-	Belt, fan and generator
12	F 2273 R	(8300000 – )	Screw, special cap (2 used)
13	AR 20429 R	(8300000 – )	Bracket, mounting
14	24H 43 R	(8300000 -	Washer, 7/16" x 1" x 20 gauge
15	12H 11 R	(8300000 -	Washer, lock, 3/8" (2 used)
16	14H 812 C	(8300000-	Nut, 3/8" (2 used) (sub. for 14H255R)
17	14H 813 C	(8300000-	Nut, 7/16" (2 used) (sub. for 14H257R)
18	12H 12 R	(8300000-	Washer, lock, 7/16" (2 used)
<b>1</b> 9	24H 169 R	(8300000-	Washer, 15/32" x 15/16" x 16 gauge (2 used)
20	K 3083 R	(8300000-	Stud, 7/16" x 1-3/4" (2 used)
20.	11 3003 K	(656666)	out, 1, 10 1 1-0, 1 (b thea)

#### AF2080R GENERATOR AND VOLTAGE REGULATOR (6-Volt) (C.E.) (Delco-Remy)



## AF2080R GENERATOR AND VOLTAGE REGULATOR (6-Volt) (C.E.) (Delco-Remy) -- Continued

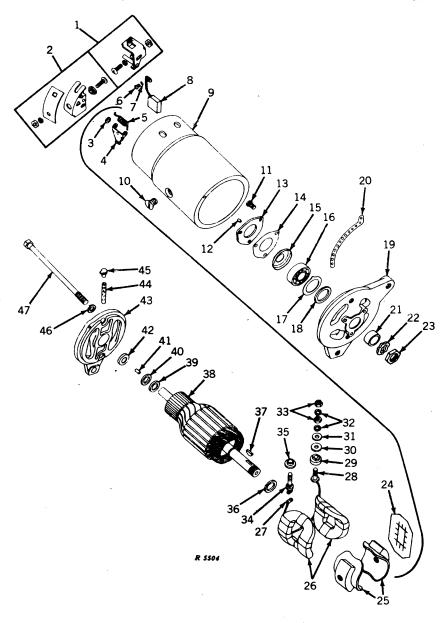
```
Key
           Part No.
                                 Serial No.
                                                                    Description
         AR 11100 R
  1
                                                    Holder, ground brush (set) (sub. for 1922288)
  2
         AR 11068 R
                                                    Holder, insulated brush (set) (sub. for 1922289)
  3
           1857412*
                                                    Washer, brush arm spacer (2 used)
           1878183*
                                                    Arm, main brush (2 used)
             11652 T
                                                    Spring, brush (2 used) (sub for 1908829)
            132688*
  6
                                                    Screw, special mach., brush lead attaching (2 used)
                                                    Washer, lock, brush lead attaching screw (2 used) (sub. for 1904377)
             11106 R
        AR 11074 R
  8
                                                    Brush (2 used) (sub. for 1906946)
                                                    Frame, main
                                                   Screw, pole shoe (2 used) (sub. for 1843646)
Lead, regulator to "F" terminal
Lead, regulator to "A" terminal
 10
            11097 R
 11
           1911485
 12
           1917571
        R
            11100 R
                                                    Screw, mach., terminal (3 used) (sub. for 1864099)
13
                                                    Clip, terminal (3 used) (sub. for 1868137)
14
             11084 R
15
        21H
               995 R
                                                    Screw, regulator mounting (2 used)
                                                   Washer, lock (2 used) (sub. for A3010R)
               251 R
        12H
17
        24H
                 91 R
                                                   Washer, mounting screw, 13/64" x 1/2" x 18 gauge (2 used)
                                                   Regulator, voltage (for parts, see page 40-10)
Screw, plate attaching (3 used) (sub. for 1904370)
           1118786
18
19
             11105 R
20
        R
             11087 R
                                                   Pin, dowel (sub. for 809593)
21
              3009 R
                                                   Washer, lock, plate attaching screw (3 used)
22
        R
             11109 R
                                                   Plate, bearing retainer (sub. for 1911263)
23
             11110 R
                                                   Gasket, bearing retainer plate (sub. for 1912008)
24
        JD
              7695 R
                                                   Bearing
                                                   Plate, felt washer retaining (sub. for 819104)
25
             11094 R
26
             11089 R
                                                   Washer, felt (sub. for 809961)
27
          1880641*
                                                   Cup, oil
28
                                                   Plug, felt
           823551
29
          1925097*
                                                   Frame, drive end
30
          1858603*
                                                   Collar, shaft
        AR 11097 R
31
                                                   Pulley and fan (sub. for 1924689)
32
            804000
                                                   Washer, lock
           806915
33
34
           11160 R
                                                   Insulator, field coil (2 used) (sub. for 1914491)
35
             11161 R
                                                   Shoe, pole (2 used) (sub. for 1914618)
36
          1921356
                                                   Coil, field
37
           200362
                                                   Terminal (sub. for 200182)
                                                   Stud, field terminal (sub. for 1921860)
38
            11163 R
39
          1885090*
                                                   Insulator, terminal stud
40
             11098 R
                                                   Washer, insulating (sub. for 1858753)
                                                   Washer, special, terminal stud (2 used)
Washer, lock, terminal stud (4 used)
41
              3031 R
             3011 R
42
        Α
43
              608 R
        14H
                                                   Nut, hex., terminal stud (4 used)
44
            11162 R
                                                   Stud, armature terminal (sub. for 1921369)
                                                   Bushing, insulating (sub. for 1921362)
45
        R
            11113 R
46
             11088 R
                                                   Washer, inside spacing (sub. for 809945)
                                                   Key, Woodruff, 1/8" x 5/8"
47
        26H
                72 R
          1921351
48
                                                   Armature
                                                   Cup, washer retainer (sub. for 1927448)
49
             11165 R
                                                   Washer, felt (sub. for 1927447)
50
            11164 R
        R
51
            11086 R
                                                   Pin, dowel (sub. for 809062)
                                                   Frame, commutator end (sub. for 1928061)
52
        AR 11102 R
                                                   Wick, commutator end
53
           804080*
54
        E
              2302 RT
                                                   Cup, oil
                                                   Washer, lock, 5/16" (2 used)
        12H
55
                10 R
                                                   Bolt, thru (2 used) (sub. for 815018)
        R
            11158 R
```

Part listed below is an assembly of parts in this grouping.

AF 2080 R ( - ) Generator (6-volt) (Delco-Remy No. 1100027) (sub. AR21907R Delco-Remy No. 1947580)

\*Furnished by John Deere Dubuque Works.

## AR21907R GENERATOR (6-Volt) (C.E.) (Delco-Remy)



## AR21907R GENERATOR\* (6-Volt) (C.E.) (Delco-Remy) -- Continued

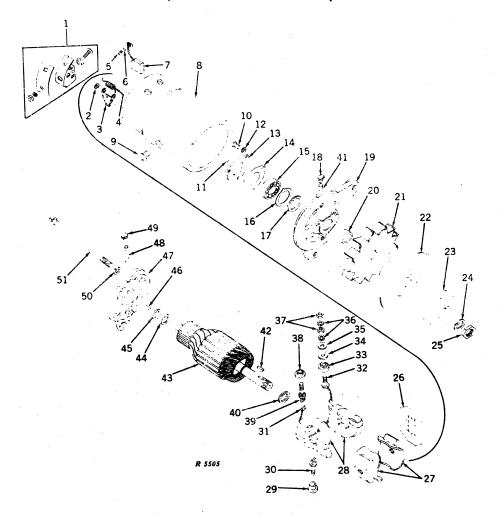
Key	Part No.	Serial No.	Description
1	AR 11100 R	( -	) Holder, ground brush (set)
2	AR 11068 R	( -	) Holder, insulated brush (set)
3	T 11651 T	<i>i</i> -	) Washer, brush arm spacer (2 used)
4	T 11649 T	ì -	Arm, main brush (2 used)
5	T 11652 T	1 -	) Spring, brush (2 used)
6	21H 1114 T	<i>i</i> -	Screw, special mach., brush lead attaching (2 used)
7	R 11106 R	<i>ì</i> -	Washer, lock, brush lead attaching screw (2 used)
8	AR 11074 R	} _	) Brush (2 used)
9		}	Frame, main
10	R 11097 R	<b>&gt;</b>	Screw, pole shoe (2 used)
11	R 11105 R	1	) Screw, plate attaching (3 used)
12	R 11037 R	·	) Pin, dowel
13	R 11109 R	}	) Plate, bearing retainer
14	R 11110 R	} _	
15	R 11205 R	}	Gasket, bearing retainer plate
16	ID 7695 R	}	) Slinger, oil
17	R 11204 R	,	Bearing  Dieta folt weeken metalining
		, -	Plate, felt washer retaining
18	R 11089 R	(	Washer, felt
19	R 11203 R	· -	Frame, drive end
20	R 11200 R	· -	Bracket, adjusting
21	T 11648 T	( -	Collar, shaft
22	T 10745 T	( -	Washer, spring
23	R 11049 R	( - )	Nut
24	R 11160 R	( - )	Insulator, field coil (2 used)
25	R 11161 R	( - )	Shoe, pole (2 used)
26	19 <b>2135</b> 6	( - )	Coil, field
27	R 11043 R	( - )	Terminal, screw lock clip
28	R 11163 R	( - )	Stud, field terminal
29	T 11650 T	( - )	Insulator, terminal stud
30	R 11098 R	( - )	Washer, insulating
31	A 3031 R	( - )	Washer, special, terminal stud (2 used)
32	A 3011 R	i – i	Washer, lock, terminal stud (4 used)
33	14H 608 R	ì - i	Nut, hex., terminal stud (4 used)
34	R 11162 R	i - i	Stud, armature terminal
35	R 11113 R	ì-i	Bushing, insulating
36	R 11088 R	ì - i	Washer, inside spacing
37	26H 72 R	ì - 5	Key, Woodruff, 1/8" x 5/8"
38	AR 11119 R	? - i	Armature
39	R 11165 R	) - S	Cup, washer retainer
40	R 11164 R	} _	Washer, felt
41	R 11086 R	} _ <b>`</b>	Pin, dowel
42	R 11202 R	} _ {	Retainer, wick
43	AR 11117 R	} _ {	Frame, commutator end
44	R 11201 R	} _	Wick, commutator end
44 45	E 2302 RT	}	Cup, oil
		} - {	Washen look 5/16# /2 used)
46	12H 10 R	} - {	Washer, lock, 5/16" (2 used)
47	R 11158 R	( - )	Bolt, thru (2 used)

Part listed below is an assembly of parts in this grouping.

AR 21907 R ( - ) Generator (6-volt) (Delco-Remy No. 1947580) (sub. for AF2080R)

\*For regulator, fan or pulley, see original equipment generator.

# AR11007R GENERATOR PARTS (24-Volt) (Delco-Remy) (Elec.) (Serial No. 8300000-)



# AR11007R GENERATOR PARTS (24-Volt) (Delco-Remy) (Elec.) -- Continued (Serial No. 8300000-)

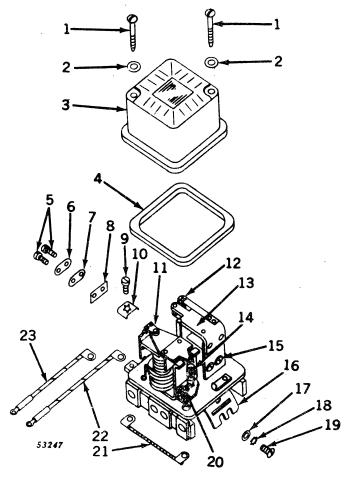
```
Description
                                Serial No.
Key
            Part No.
                                                   Holder, insulated brush (set) (2 used) (sub. for 1922289)
                            -0000058}
         AR 11068 R
                                                   Washer, brush arm spacer (2 used)
            1857412*
                            ?8300000
  2
                            i8300000-
                                                   Arm, main brush (2 used)
  3
            1878183*
                                                   Spring, brush (2 used)
                            (3300000-
  4
            1916324*
                                                   Screw, special mach., brush lead attaching (2 used)
             132688*
                            (8300000 -
   5
                                                   Washer, lock, brush lead attaching screw (2 used) (sub. for 1904377)
             11106 R
  6
7
                            /8300000-
                                                   Brush (2 used)
                            /8300000-
            1923295
                                                   Frame, main
  8
                            (8300000-
                                                   Screw, pole shoe (2 used) (sub. for 1843646)
              11097 R
                            /8300000-
  9
                                                   Screw, plate attaching (3 used) (sub. for 1904370)
Pin, dowell (sub. for 809593)
              11105 R
                            ~000008)
 10
         R
                            18300000-
 11
              11087 R
                                                   Washer, lock, plate attaching screw (3 used)
                            (8300000-
               3009 R
 12
                                                   Plate, bearing retainer (sub. for 1911263)
                            (8300000-
         R
              11109 R
 13
                                                   Gasket, bearing retainer plate (sub. for 1212008)
              11110 R
                            (8300000-
         R
 14
               7180 R
                            (8300000-
 15
         JD
                                                   Plate, felt washer retaining (sub. for 819104)
              11094 R
                            (8300000 -
 16
                                                   Washer, felt (sub. for 809961)
              11089 R
                            (8300000-
         R
 17
                            (8300000 ~
                                                   Cup, oil
            1880641*
 18
                                                   Frame, drive end
                            (8300000 -
            1925097*
 19
                            (8300000-
                                                   Collar, shaft
            1858603*
 20
                            (8300000 -
                                                   Fan, pulley
 21
              11047 R
                            (8300000-
                                                   Baffle, fan
              11048 R
 22
                            (8300000-
                                                   Pulley
 23
         R
              11046 R
                                                   Washer, spring
                            (8300000 --
 24
         T
              10745 T
                            (8300000 -
              11049 R
 25
         R
                                                   Insulator, field coil (2 used) (sub. for 1914491)
                            (8300000 -
 26
              11160 R
                                                   Shoe, pole (2 used) (sub. for 1914618)
                            (8300000-
 27
         R
              11161 R
                                                   Coil, field
                            (8300000-
 28
         AR
              11031 R
                                                   Bushing, insulating (sub. for 1921362)
 29
         R
              11113 R
                            (8300000-
                                                   Stud, field return terminal (sub. for 1921369)
                            (8300000-
 30
              11162 R
                                                   Clip, terminal screw lock
              11043 R
                            (8300000-
 31
         R
                            (8300000-
                                                   Stud, field terminal
              11042 R
         R
 32
                                                   Insulator, field terminal stud
            1885090*
                            /8300000-
 33
                                                   Washer, terminal stud insulation (3 used) (sub. for 1858753)
              11098 R
                            (8300000-
         R
                                                   Washer, special, terminal stud (3 used)
               3031 R
                            (8300000-
 35
         Α
                                                   Washer, lock, terminal stud (6 used)
                            /8300000 -
               3011 R
 36
                                                   Nut, no. 10, terminal stud (6 used)
                608 R
                            (8300000-
 37
         14H
                                                   Bushing, insulating (sub. for 1921362)
             11113 R
                            18300000-
 38
         R
                                                   Stud, armature terminal (sub. for 1921369)
              11162 R
 39
         R
                            (8300000-
                                                   Washer, inside spacing (sub. for 809945)
              11088 R
                            (8300000 -
         R
 40
                                                   Plug, felt
Key, Woodruff, 1/8" x 5/8"
             823551
                            (8300000-
 41
                            (8300000-
         26H
                 72 R
 42
                                                   Armature
         AR 11030 R
                            (8300000-
 43
                                                   Cup, washer retainer (sub. for 1927448)
                            (8300000-
              11165 R
         R
 44
                                                   Washer, felt (sub. for 1927447)
                            (8300000-
 45
              11164 R
                                                   Pin, dowel (sub. for 809062)
                            (8300000-
              11086 R
         R
 46
                                                   Frame, commutator end (sub. for 1928061)
                            (8300000-
         AR 11102 R
 47
                                                   Wick, commutator end
             804080*
                            (8300000-
 48
                            (8300000-
               2302 RT
 49
                                                   Washer, lock, 5/16" (2 used)
                 10 R
                            (8300000-
         12H
 50
                                                   Bolt, thru (2 used) (sub. for 815018)
                            (8300000-
         R
              11158 R
```

Part listed below is an assembly of parts in this grouping.

AR 11007 R (8300000- ) Generator (24-volt) (Delco-Remy No. 1103021)

\*Furnished by John Deere Dubuque Tractor Works.

## VOLTAGE RÉGULATOR (6-Volt) (C.E.)

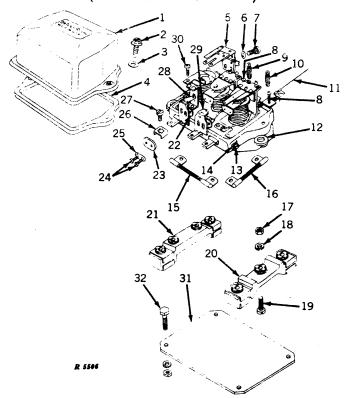


Key	Part No.	Serial No.	Description
1	R 11170 R	( - )	Screw, special mach., (2 used) (sub. for 1927982)
2	R 11115 R	i - i	Washer, special insulating (2 used) (sub. for 1922996)
3	R 11168 R	ì - <b>S</b>	Cover (sub. for 1927980)
4 5 6 7	R 11169 R	i - j	Gasket (sub. for 1927981)
5	R 11103 R	( - )	Screw, contact attaching (2 used) (sub. for 1878516)
6	R 11101 R	i - i	Plate, lock, contact attaching screw (sub. for 1878505)
7	R 11114 R	i - i	Insulator (sub. for 1922599)
8	R 11102 R	· - 5	Insulator (sub. for 1878507)
9	R 11100 R	ì - 5	Screw, terminal (3 used) (sub. for 1864099)
10	R 11084 R	i - i	Clip, terminal (3 used) (sub. for 1868137)
11	AR 11103 R	<i>i</i> - 5	Support, contact (sub. for 1878517)
12	R 11111 R	ì - 5	Screw, adjusting (sub. for 1912159)
13	1878780*	i - 5	Armature (furnished by Harvester)
14	R 11112 R	<i>)</i> - 1	Spring (sub. for 1912176)
15	1904817	·	Screw, relay armature attaching (2 used)
	R 11106 R	ì - 5	Washer, lock, relay armature attaching screw (2 used) (sub. for 1904377)
16		( - )	Base, mounting (not furnished) (order 1118786)
17	24H 91 R	i - i	Washer, 13/64" x 1/2" x 18 gauge, mounting screw (2 used)
18	12H 251 R	i - 5	Washer, lock (shakeproof) no. 10 (2 used)
19	21H 995 R	· - · ·	Screw, mach., rd. hd., no. 10 x 3/8", regulator mounting (2 used)
20	1922408	i - 5	Screw, adjusting
21	1910183	· - 5	Resistor
22	1911485	ì - · · · ·	Lead, regulator to "F" terminal on generator
23	1917571	i - 5	Lead, regulator to "A" terminal on generator

Part listed below is an assembly of parts in this grouping.

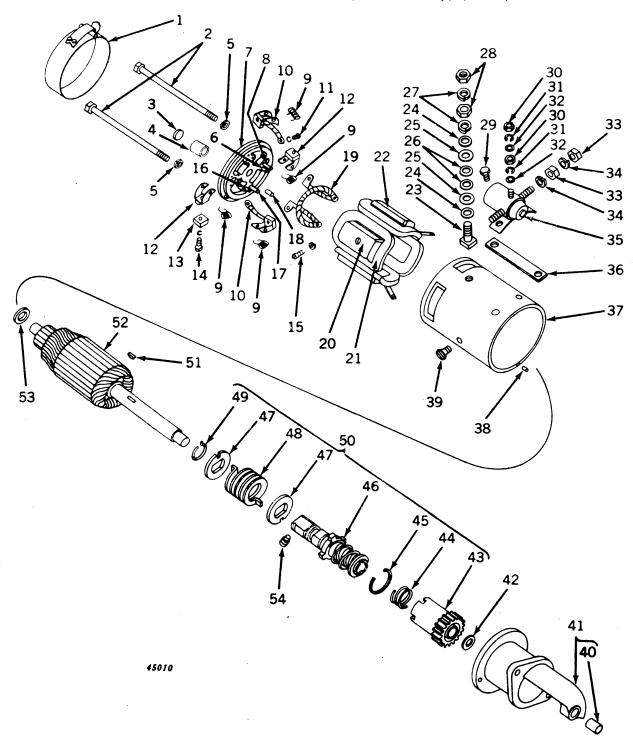
1118786 ( - ) Regulator, voltage, with cover, less leads (6-volt)

# AR11008R and AR30155R VOLTAGE REGULATORS (24-Volt) (Elec.) (Serial No. 8300000-)



Key	Part No.	Serial No.	Description
1	R 11051 R	( - )	Cover (sub. AR30007 R cover with two R11231R insulators and two R11232R screws) (AR11008R)
	AR 30007 R	( - )	Cover (AR30155R and sub for R11051R cover)
2	R 11232 R	i - 5	Screw, special (2 used) (packed 5 in a pkg.) (sub. for R11053R)
2 3	R 11231 R	· - 5	Insulator, regulator cover (AR30155R)
4	R 11052 R	i - 1	Gasket (packed 2 in a pkg.)
5	AR 11033 R	· - ·	Armature
6	R 11106 R	<i>i</i> - <i>i</i>	Washer, lock, relay armature attaching screw (2 used) (sub. for
		,	1904377) (ÅR11008R)
7	AT 11339 T	( - )	Screw, relay armature attaching (2 used) (sub. for 1924764)
8	H 24106 H	( - )	Screw, regulator armature adjusting (2 used) (sub. for 1922408)
9	R 11112 R	( - )	Spring (sub. for 1912176)
10	R 11054 R	( - )	Spring
11	AR 30156 R	( - )	Lead (AR30155R)
12	AR 11039 R	(· ÷ )	Grommet and ferrule (3 used)
13	R 11056 R	( - )	Screw, ground (packed 5 in a pkg.) (AR11008R)
14	R 11057 R	( - )	Clip, ground screw (AR11008R)
15	AR 11038 R	( - )	Resistor, relay core to current contact
16	AR 11037 R	( - )	Resistor, "F" terminal to ground (AR11008R)
	AR 11137 R	( - )	Resistor (AR30155R)
17	14H 772 N	( )	Nut, jam, 1/4" (3 used)
18	12H 9 R	( - )	Washer, lock, 1/4" (3 used)
<b>1</b> 9	21H 1032 E	( - )	Screw, mach., rd. hd., 1/4" x 1" (3 used) (sub. for 21H619R)
20	AR 11042 R	( - )	Mount, shock
21	AR 11041 R	( - )	Mount, shock
22	R 11102 R	( - )	Insulator (sub. for 1878507)
23	R 11114 R	( - )	Insulator (sub. for 1922599)
24	R 11103 R	( - )	Screw, contact attaching (2 used) (sub. for 1878516)
25	R 11101 R	( - )	Plate, lock, contact attaching screw (sub. for 1878505)
26	R 11084 R	( - )	Clip, terminal (3 used) (sub. for 10/0503)
27	AR 11040 R	( - )	Screw, terminal (3 used) (packed 5 in a pkg.)
28	AR 11035 R	( - )	Support, contact
<b>2</b> 9	AR 11036 R	( - )	Support, contact
30	R 11111 R	( - )	Screw, relay armature adjusting (sub. for 1912159)
31	R 20320 R	( - )	Bracket
32	19H 1683 T	( - )	Screw, cap, 1/4" x 1-1/4" (4 used) (sub. for 19H32T)
•	12H ∋ R	( - )	Washer, lock, 1/4" (4 used)
_	14H 786 M	( )	Nut, 1/4" (4 used) (sub. for 14H251R)
Part 1		embly of parts in this	
	AR 11008 R	( - )	Regulator, voltage (sub. AR30155R regulator)
	AR 30155 R	( - )	Regulator, voltage with AR30156R lead (sub. for AR11008R)

### AR1203R STARTING MOTOR (Delco-Remy) (C.E.)



### AR1203R STARTING MOTOR (Delco-Remy) (C.E.) -- Continued

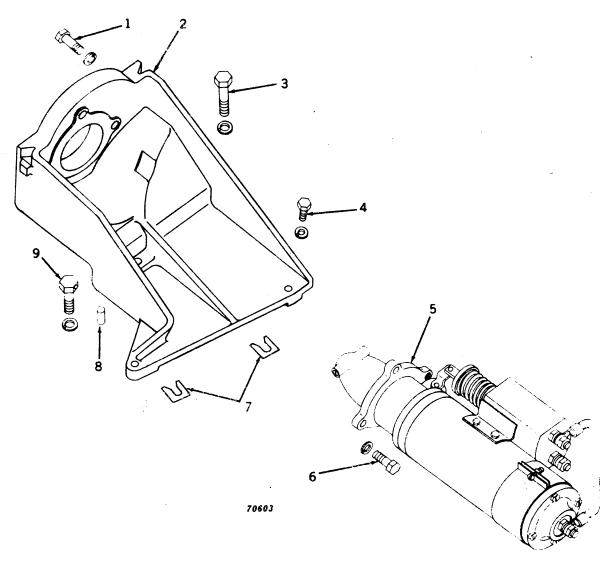
```
Key
            Part No.
                                    Serial No.
                                                                          Description
             817114
                                                        Band, commutator cover
  2
             809053
                                                         Bolt, thru (2 used)
  3
                                                         Plug, expansion
          . . . . . . . . . . . .
  4
         12H 9 R
                                                        Bushing, commutator end frame
  5
                                                        Washer, lock, 1/4" (2 used)
         R 11093 R
  6
                                                        Pin, brush hold stop (2 used) (sub. for 817314)
            1907038
                                                        Frame, commutator end
  8
         AR 11062 R
                                                        Pin, brush holder stop and insulation assembly (2 used) (sub. for
                                                           812015)
         R 11091 R
AR 11064 R
  9
                                                        Spring, brush (4 used) (sub. for 813521)
                                                         Lead, ground brush (2 used) (sub. for 813554)
 10
         21H 969 R
 11
                                                        Screw, special mach., ground brush lead to frame (2 used)
                 766 R
                                                        Washer, lock (2 used)
                                                        Holder, brush (4 used) (sub. for 810226)
Brush (4 used)
 12
              11090 R
13
             811553
 14
         21H 964 R
                                                        Screw, special mach., brush attaching (4 used)
                 765 R
                                                        Washer, lock (4 used)
                                                        Screw, mach., lead to field coil (2 used)
Washer, lock (2 used) (packed 50 in a pkg.)
Pin, brush holder hinge (2 used) (sub. for 817313)
15
         21H
                395 R
                 767 R
         Α
              11092 R
16
         R
17
         AR 11063 R
                                                        Pin, brush holder hinge and insulation assembly (2 used) (sub. for
                                                           812016)
18
         R 11086 R
                                                        Pin, dowel (sub. for 809062)
19
         AR 11065 R
                                                        Lead, brush connector (sub. for 819362)
                                                        Shoe, pole (4 used)
Coil, field, L.H.
Coil, field, R.H.
20
             810601
21
           1921196
22
            1921195
                                                       Screw, special, starting motor terminal Washer, 13/32" x 11/16" x 16 gauge (2 used) Washer, insulating (2 used) (sub. for 1861076) Washer, insulating (2 used) (sub. for 1904669) Washer, lock, 3/8" (2 used)
23
            826938
        24H 156 R
            11099 R
11107 R
25
26
        R
27
        12H 11 R
        14H 732 R
                                                        Nut, jam, 3/8" (2 used)
28
                                                        Screw, special, magnetic switch to frame (2 used)
Nut (2 used)
29
           1930611
30
        14H 605 R
31
            804485
                                                        Washer, lock (2 used)
                                                       Washer (2 used)
Nut, 3/8" (4 used) (sub. for 14H255R)
Washer, lock, 3/8" (4 used)
              1085 R
32
        B
33
        14H 812 C
34
        12H
                 11 R
           1119799
35
                                                        Switch, magnetic (sub. for 1465)
36
           1932513
                                                        Connector, switch
                                                        Frame, main
37
        R 11087 R
                                                        Pin, dowel (sub. for 809593)
38
39
             11104 R
                                                        Screw, pole shoe (4 used) (sub. for 1881869)
            810620
40
                                                        Bushing
           1932102
41
                                                        Housing, motor drive
                                                        Washer (sub. for 833602)
42
             11096 R
           1932442
                                                        Pinion
43
44
           1848528
                                                        Spring, anti-drift
                                                        Snap ring
45
           1859033
46
           1902342
                                                        Shaft, Bendix drive
47
           1916461
                                                        Washer, special (2 used)
48
           1878421
                                                        Spring, drive
49
           1878418
                                                        Snap ring
50
           1932103
                                                        Drive, Bendix
51
                                                        Key, Woodruff, 5/32" x 5/8"
        26H 10 R
           1878077
52
                                                        Armature
                                                        Washer, leather brake
53
            818265
                                                        Screw, special
           18784 19
```

Part listed below is an assembly of parts in this grouping.

AR 1203 R - ) Motor, starting (6-volt) (Delco-Remy no. 1107155)

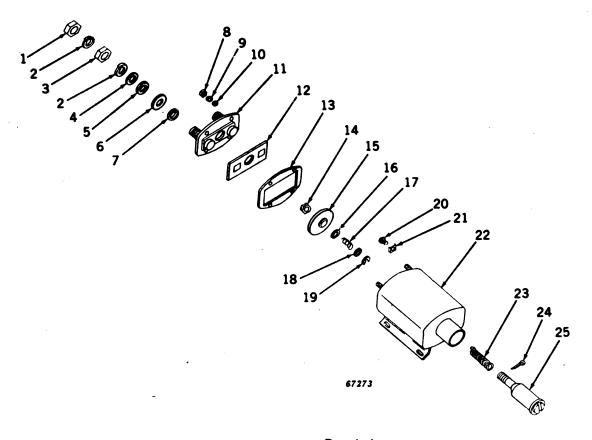
### MEMORANDA

## CRANKING MOTOR AND BRACKET (Elec.) (Serial No. 8300000-)



Key	Part No.	Serial No.	Description
1	19H 456 R	(8300000-	Screw, cap, high-strength, 1/2" x 1-3/8"
	12H 13 R	(8300000-	Washer, lock, 1/2"
2	R 20863 R	(8300000-	Bracket (sub. for R20265R)
3	19H 352 T	(8300000 –	Screw, cap, high-strength, 7/16" x 1-3/4"
	12H 12 R	/8300000-	Washer, lock, 7/16*
4	19H 1125 N	(8300000-	Screw, cap, high-strength, 5/16" x 1-3/4" (2 used)
	12H 10 R	ì8300000- )	Washer, lock, 5/16" (2 used)
5	AR 11009 R	(8300000-8303395)	Motor, cranking (Delco-Remy no. 1113801) (sub. AR11073R)
	AR 11073 R	(8303396- )	Motor, cranking (Delco-Remy no. 1113830)
6	19H 456 R	(8300000 - )	Screw, cap, high-strength, 1/2" x 1-3/8" (2 used)
	12H 13 R	(8300000- )	Washer, lock, 1/2" (2 used)
7	R 21084 R	(8300000-	Shim, .006" (as required)
8	A 4879 R	(8300000-	Pin, dowel (2 used)
9	19H 1092 M	(8300000- )	Screw, cap, high-strength, 7/16" x 2-1/4"
	12H 12 R	(8300000- )	Washer, lock, 7/16"

### SOLENOID SWITCH (Elec.) (Serial No. 8300000-8303395)

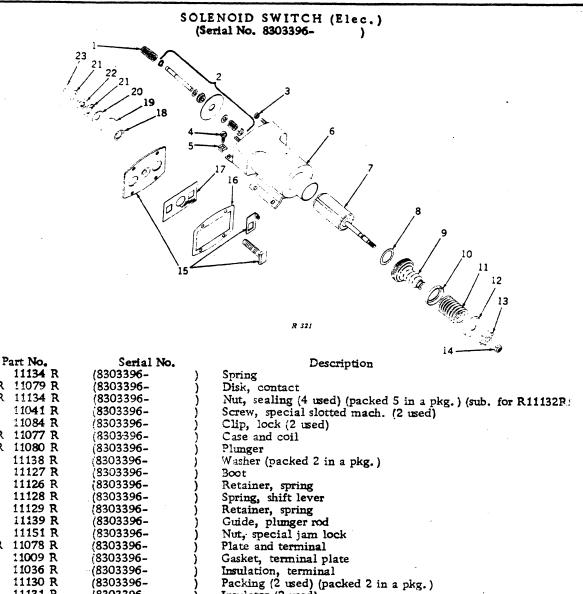


Key	Part No.	Serial No.	Description
1	14H 809 T	(8300000-8303395)	Nut, 1/2" (2 used) (sub. for 14H259R)
	12H 13 R	(8300000-8303395)	Washer, lock, 1/2" (4 used)
2 3 4 5	14H 473 R	(8300000-8303395)	Nut, jam, 1/2" (2 used)
4	811912*	(8300000-8303395)	Washer (2 used)
5	R 11011 R	(8300000-8303395)	Washer, insulating (2 used)
6	R 11038 R	(8300000-8303395)	Washer, insulating (2 used)
7	R 11037 R	(8300000-8303395)	Washer, insulating (2 used)
6 7 8 9	14H 631 R	(8300000-8303395)	Nut, no. 10 (4 used)
9	A 767 R	(8300000-8303395)	Washer, lock, no. 10 (4 used)
10	R 11039 R	(8300000-8303395)	Washer (4 used)
11	AR 11027 R	(8300000-8303395)	Plate, terminal
12	R 11036 R	(8300000-8303395)	Insulation, terminal
13	R 11009 R	(8300000-8303395)	Gasket, terminal plate
14	R 11035 R	(8300000-8303395)	Nut, special slotted
15	AR 11026 R	(8300000-8303395)	Disk, contact
16	R 11034 R	(8300000-8303395)	Washer
17	R 11033 R	(8300000-8303395)	Spring, contact cushion
18	R 11032 R	(8300000-8303395)	Washer
19	R 11031 R	(8300000-8303395)	Washer, slotted
20	R 11041 R	(8300000-8303395)	Screw, special mach.
21	1878503**	(8300000-8303395)	Clip, lock, terminal
22	AR 11024 R	(8300000-8303395)	Case and coil
23	R 11010 R	(8300000-8303395)	Spring, plunger return
24	11H 231 R	(8300000-8303395)	Pin, cotter, 1/16" x 1" (sub. for 11H3R)
25	AR 11025 R	(8300000-8303395)	Plunger

Part listed below is an assembly of parts in this grouping.

AR 11023 R (8300000-8303395) Switch, solenoid (Delco-Remy no. 1119803)

\*Furnished by John Deere Dubuque Tractor Works. \*\*Furnished by John Deere Harvester Works.



Part listed below is an assembly of parts in this grouping. AR 11075 R Switch, solenoid (Delco-Remy no. 1119832) (8303396-

Insulator (2 used)

Washer, lock, 1/2" (4 used) (packed 5 in a pkg.)
Nut, jam, 1/2" (2 used) (packed 5 in a pkg.)
Nut, hex., 1/2" (2 used) (sub. for 14H259R)

Washer (2 used)

\*Furnished by John Deere Dubuque Tractor Works.

(8303396-

(8303396-

(8303396-

(8303396-

(830**3396-**

(8303396-

(830339**6-**

Key

2

3

5

6

8 9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

AR

R

R

AR

AR

R

R

R

R

R

R

R

R

R

R

R

12H

14H

14H

11036 R

11130 R

11131 R

13 R

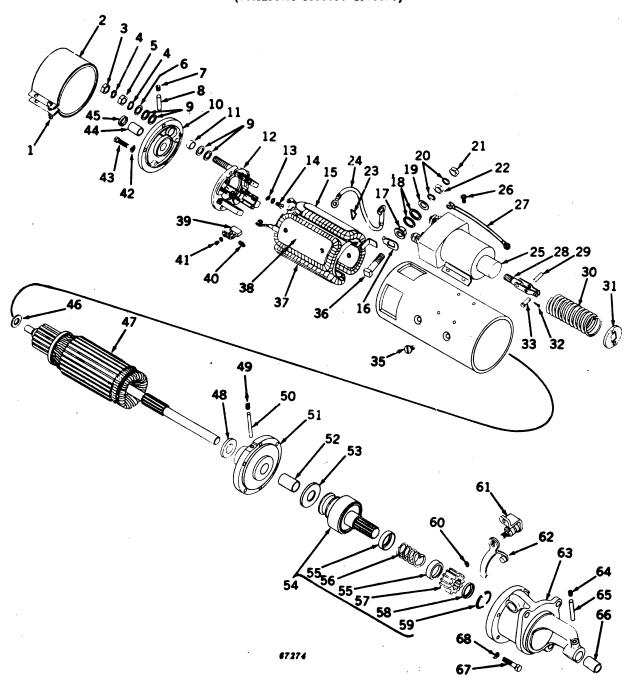
473 R

309 T

811912\*

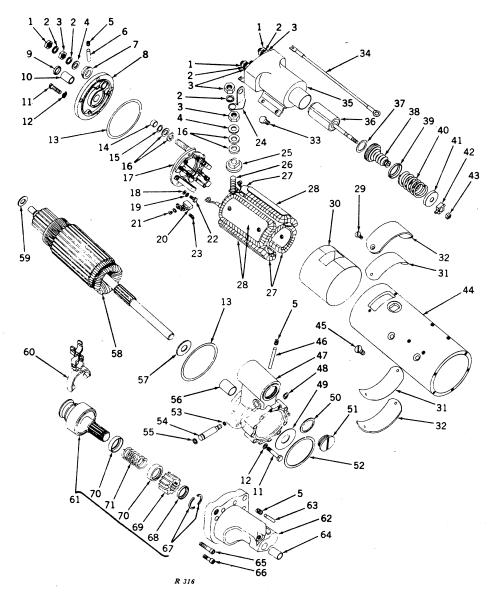
AR

## CRANKING MOTOR (Delco-Remy) (Elec.) (Serial No. 8300000-8303395)



```
CRANKING MOTOR (Delco-Remy) (Elec.) -- Continued
                                          (Serial No. 8300000-8303395)
Key
          Part No.
                              Serial No.
                                                               Description
        21H
             986 R
                          (8300000-8303395)
                                                Screw, mach., rd. hd., no. 10 x 1-1/4" (2 used)
        AR 11017 R
 2
                          (8300000-8303395)
                                                Band, cover
                                                Nut, 1/2" (sub. for 14H259R)
 3
        14H
              809 T
                          (8300000-8303395)
 4
        12H
               13 R
                                                Washer, lock, 1/2" (2 used)
                          (8300000-8303395)
 5
        14H
              473 R
                          (8300000-8303395)
                                                Nut, jam, 1/2"
 6
7
           811912*
                          (8300000-8303395)
                                                Washer
            11085 R
                          (8300000-8303395)
                                                Plug, pipe (sub. for 125947)
 8
       R
            11108 R
                          (8300000-8303395)
                                                Wick, commutator end frame (sub. for 1909560)
 9
            11011 R
                          (8300000-8303395)
                                                Washer, insulating (4 used)
10
       R
            11007 R
                          (8300000-8303395)
                                                Frame, commutator end
11
        R
            11012 R
                          (8300000-8303395)
                                                Bushing, insulating
12
        AR 11016 R
                          (8300000-8303395)
                                                Plate, brush, assembly
Washer, 5/32" x 3/8" x 22 gauge (3 used)
13
              845 R
        24H
                          (8300000-8303395)
14
        21H
              975 R
                          (8300000-8303395)
                                                Screw, mach., fill. hd., no. 8 x 1/2" (3 used)
                          ì8300000-8303395)
        12H
               64 R
                                                Washer, lock, no. 8 (3 used)
        AR 11014 R
15
                                                Coil, field, R.H.
                          (8300000-8303395)
16
            11006 R
                          (8300000-8303395)
                                                Clip, terminal
17
            11005 R
                          (8300000-8303395)
                                                Insulator, terminal screw
18
            11011 R
                          (8300000-8303395)
                                                Washer, insulating (2 used)
19
           811912*
                          (8300000-8303395)
                                                        lock, 1/2" (2 used)
20
        12H
               13 R
                          (8300000-8303395)
                                                Washer,
                                                Nut, 1/2" (sub. for 14H259R)
21
              809 T
        14H
                          (8300000-8303395)
22
              473 R
        14H
                          (8300000-8303395)
                                                Nut, jam, 1/2"
23
          1913534
                          (8300000-8303395)
                                                Insulator, field coil (2 used)
24
       AR 11029 R
                          (8300000-8303395)
                                                Cable, solenoid switch to motor
25
       AR 11023 R
                         (8300000-8303395)
                                                Switch, solenoid (for parts, see page 40-13)
26
          1930611
                          (8300000-8303395)
                                                Screw, special cap, with lock washer (4 used)
27
       AR 11028 R
                          (8300000-8303395)
                                                Lead, wiring, solenoid switch to field terminal
28
       AR 11022 R
                          (8300000-8303395)
                                                Link, adjusting screw and lever
           11029 R
29
       R
                          (8300000-8303395)
                                                Pin, spring retainer
30
            11030 R
                          (8300000-8303395)
                                                Spring, compression
           11028 R
31
                          (8300000-8303395)
       R
                                                Retainer, spring
                                                Pin, cotter, 1/16" x 1" (sub. for 11H3R)
32
       11H
              231 R
                         (8300000-8303395)
                         (8300000-8303395)
33
           11027 R
       R
                                                Pin, clevis, lever link
34
                          (8300000-8303395)
                                                Frame, main
35
       R 11097 R
                         (8300000-8303395)
                                                Screw, pole shoe (8 used) (sub. for 1843646)
36
            11004 R
       R
                         (8300000-8303395)
                                                Screw, terminal
                                                Coil, field, L.H.
Shoe, pole (2 used)
37
       AR
           11015 R
                          (8300000-8303395)
38
       R
           11002 R
                         (8300000-8303395)
                                                Shoe, pole (2 used)
            11003 R
                         (8300000-8303395)
39
          1906909
                         (8300000-8303395)
                                                Brush (8 used)
40
       R
           11148 R
                          (8300000-8303395)
                                                Spring, brush (8 used) (sub. for 1861785)
       21H
              971 R
41
                         (8300000-8303395)
                                                Screw, mach., fill. hd., no. 8 x 5/16" (8 used)
                                                Washer, lock (8 used)
              766 R
                         (8300000-8303395)
42
       R
           11014 R
                         (8300000-8303395)
                                                Washer, special lock (4 used)
43
            11013 R
                         (8300000-8303395)
                                                Bolt, special (4 used)
44
       R
            11008 R
                         (8300000-8303395)
                                                Bushing
45
       30H
               11 R
                         (8300000-8303395)
                                                Plug, expansion, 7/8"
            11096 R
46
       R
                          (8300000-8303395)
                                                Washer, special (sub. for 833602)
47
           11013 R
                         (8300000-8303395)
       AR
                                                Armature
                                                Spacer, center bearing
48
           11018 R
                         (8300000-8303395)
                                                Plug, pipe
49
       R
           11016 R
                         (8300000-8303395)
50
       R
            11015 R
                         (8300000-8303395)
                                                Wick, center bearing
51
                         (8300000-8303395)
       AR 11018 R
                                                Bearing, center
52
            11017 R
                         (8300000-8303395)
                                                Bushing, center bearing
53
          1911644
                         (8300000-8303395)
                                                Washer, brake
54
       AR 11019 R
                          (8300000-8303395)
                                                Drive, motor
55
           11021 R
                         (8300000-8303395)
                                                Cup, spring retainer (2 used)
56
            11022 R
                         (8300000-8303395)
                                                Spring, motor clutch (also order one R11024R pinion stop cup)
57
            11023 R
       R
                         (8300000-8303395)
                                                Pinion (also order one R11024R pinion stop cup)
58
            11024 R
                          (8300000-8303395)
                                                Cup, pinion stop
59
            11025 R
                         (8300000-8303395)
       R
                                                Washer, split (2 used)
60
       R
            11026 R
                         (8300000-8303395)
                                                Ring, retaining
61
       AR 11021 R
                         (8300000-8303395)
                                                Lever and shaft
62
           11020 R
                          (8300000-8303395)
                                                Lever, shift
       AR
63
       R
            11019 R
                          (8300000-8303395)
                                                Housing, motor drive
64
            11085 R
                         (8300000-8303395)
                                                Plug, pipe (sub. for 125947)
65
          1909654
                         (8300000-8303395)
                                                Wick, drive end
66
          1904083
                         (8300000-8303395)
                                                Bushing, drive end
           11020 R
                         (8300000-8303395)
67
                                                Bolt, special (5 used)
68
                         (8300000-8303395)
                                                Washer, special lock (5 used)
           11014 R
Part listed below is an assembly of parts in this grouping.
                         (8300000-8303395)
       AR 11009 R
                                                Motor, cranking (Delco-Remy no. 1113801) (sub. AR11073R)
*Furnished by John Deere Dubuque Tractor Works.
```

## CRANKING MOTOR (24-Volt) (Delco-Remy) (Elec.) (Serial No. 8303396-)



Key	Part No.	Serial No.		Description 1/07/20
1	14H 809 T	(8303396-	)	Nut, hex., 1/2" (3 used)
2	12H 13 R	(8303396-	)	Washer, lock, 1/2" (7 used) (packed 5 in a pkg.)
3	14H 473 R	(8303396-	)``	Nut, jam, 1/2" (5 used) (packed 5 in a pkg.)
4	81 <b>1</b> 9 <b>12*</b>	(8303396-	)	Washer (4 used)
5	R 11085 R	(8303396-	)	Plug, pipe (3 used)
6	R 11122 R	(8303396-	)	Wick
7	R 11123 R	(830 <b>33</b> 96-	)	Insulator
8	AR 11085 R	(8303396-	j	Frame, commutator end
9	30H 11 R	(8303396-	)	Plug, expansion, commutator end (packed 5 in a pkg.)
10	R 11008 R	(8303396-	)	Bushing, commutator end
11	R 11013 R	(8303396-	)	Bolt, special hex. (9 used)
12	12H 9 R	(8303396-	)	Washer, lock, 1/4" (9 used) (packed 5 in a pkg.)
13	R 11120 R	(8303396-	)	Packing O-ring, motor frame (2 used) (packed 2 in a pkg.)
14	R 11124 R	(8303396-	)	Bushing, insulator
15	R 394 R	(8303396-	)	Packing, O-ring, commutator end terminal
16	R 11011 R	(8303396-	)	Washer, insulating (4 used) (packed 5 in a pkg.)

### CRANKING MOTOR (24-Volt) (Delco-Remy) (Elec.) -- Continued (Serial No. 8303396-)

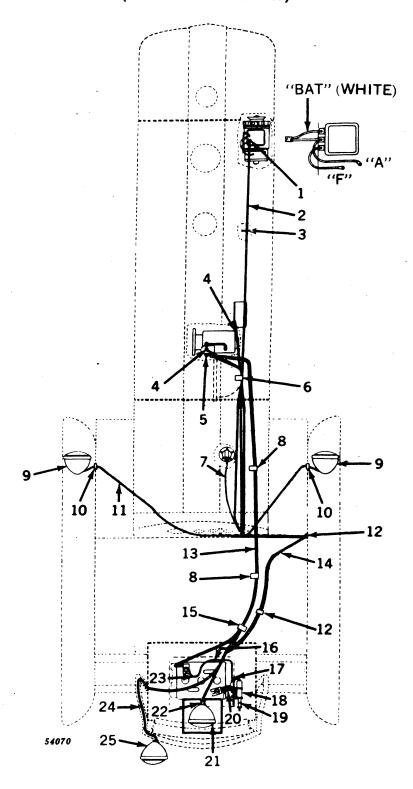
```
Description
Key
          Part No.
                               Serial No.
17
        AR 11084 R
                          (8303396~
                                                 Plate, brush
                                                 Washer, 5/32" x 3/8" x 22 gauge (3 used) (packed 5 in a pkg.)
                          18303396-
18
        24H
             845 R
                                                 Washer, lock (3 used) (packed 50 in a pkg.)
19
        12H
                64 R
                          (8303396-
20
        AR 11076 R
                          (8303396-
                                                 Brush (8 used)
21
              971 R
                                                 Screw, special mach (8 used) (packed 5 in a pkg.)
        21H
                           (8303396-
               766 R
                          (8303396-
                                                 Washer, special lock (8 used)
              975 R
                                                 Screw, special mach. (3 used) (packed 5 in a pkg.)
                          (8303396-
22
        21H
23
        R
            11148 R
                          (8303396-
                                                 Spring, brush (8 used) (packed 2 in a pkg.)
                          18303396-
            11135 R
                                                 Connector
24
        R
25
            11005 R
                          (8303396-
                                                 Insulator
26
             11146 R
                           (8303396-
                                                 Screw, terminal (packed 5 in a pkg.)
        R
                                                 Coil, field
27
        AR 11082 R
                          (8303396-
28
        R
            11003 R
                          (8303396-
                                                 Shoe, pole (4 used)
                                                 Screw, special mach. (4 used) (packed 5 in a pkg.)
29
            11152 R
                          (8303396-
                                                 Insulator, field coil, and commutator end (packed 2 in a pkg.)
30
        R
            11143 R
                          (8303396-
                                                 Gasket, cover plate (2 used) (packed 2 in a pkg.)
                           (8303396-
31
        R
            11141 R
                                                 Plate, cover (2 used)
32
        R
            11142 R
                          (8303396-
                                                 Screw, special cap, with L.W. (4 used)
          1930611
                          (8303396-
33
                                                 Lead, wiring
34
        AR 11028 R
                          (8303396-
                                                 Case and coil, solenoid
35
        AR 11077 R
                          (8303396-
        AR 11080 R
                          (8303396-
                                                 Plunger
36
                                                 Washer (packed 2 in a pkg.)
                          (8303396-
37
        R
            11138 R
            11127 R
                          (8303396-
                                                 Boot, plunger
38
       R
                                                 Retainer, spring
39
            11126 R
                          (8303396~
        R
            11128 R
                          (8303396-
                                                 Spring, shift lever
40
        R
                                                 Retainer, spring
            11129 R
                          (8303396-
41
       R
                                                 Guide, plunger rod
42
       R
            11139 R
                          (8303396-
                                                 Nut, special jam lock (packed 5 in a pkg.)
                          18303396-
43
       R
            11151 R
                                                 Not furnished
                          (8303396-
44
                                                 Screw, special mach. (8 used) Wick, lever housing
                          (8303396-
45
       R
            11097 R
            11125 R
                          (8303396-
46
       R
                                                 Housing, lever
47
        AR 11088 R
                          18303396-
                                                 Ring, retainer (2 used)
48
            11026 R
                          (8303396-
          1911644
                                                 Washer, brake
49
                          (8303396-
                                                 Gasket (packed 2 in a pkg.)
50
       R
            11121 R
                          (8303396-
                          (8303396-
51
            11133 R
       R
                          (8303396-
                                                 Gasket (packed 2 in a pkg.)
52
       R
            11140 R
             4365 R
                          (8303396-
                                                 Packing, O-ring
53
       A
                          (8303396-
                                                 Shaft, shift lever
            11136 R
54
       R
                                                 Packing, O-ring (packed 2 in a pkg.)
55
             3917 R
                          (8303396-
        Α
            11017 R
                          (8303396-
                                                 Bushing
56
        R
57
            11018 R
                          (8303396-
                                                 Spacer
        R
        AR 11083 R
                                                 Armature
                          (8303396-
58
59
            11096 R
                          (8303396-
                                                 Washer
        AR 11081 R
                                                 Lever, shift
                          (8303396-
60
                                                 Drive, motor
                          (8303396-
61
        AR 11086 R
        AR 11087 R
                          (8303396-
                                                 Housing, drive
62
                                                 Wick, drive end
                          (8303396-
63
          1909654
                                                 Bushing, drive end
        R
            11147 R
                          (8303396-
64
                                                 Screw, special cap (5 used) (packed 5 in a pkg.)
Screw, special cap (packed 5 in a pkg.)
             11137 R
                          (8303396-
65
        R
        R
            11149 R
                          (8303396-
66
                                                 Washer, split (2 used) (packed 5 in a pkg.)
                           (8303396-
             11145 R
67
        R
68
        R
             11024 R
                           (8303396-
                                                 Cup, pinion stop
                           18303396-
                                                 Pinion
             11150 R
69
        R
                                                 Cup, outer spring (2 used)
          1911628
                           (8303396-
70
                           18303396-
                                                 Spring, motor clutch
        R
             11144 R
```

Parts listed below is an assembly of parts in this grouping.

AR 11073 R (8303396- ) Motor, cranking (Delco-Remy no. 1113830)

\*Furnished by John Deere Dubuque Tractor Works.

## ELECTRICAL WIRING (Serial No. 8000001-8299999)

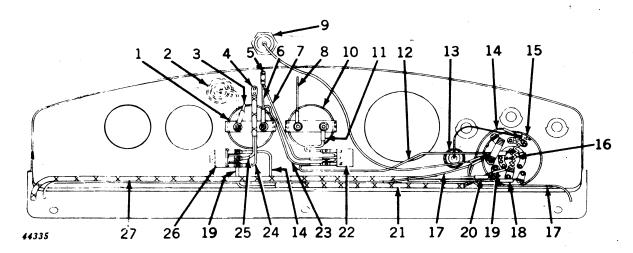


2	Part No. A 2610 R B 1986 R 19H 103 H 12H 10 R 24H 143 R AR 1315 R AR 1558 R	Serial No. ( -8199999) (8200000-8299999) ( -8299999) ( -8299999) ( -8299999) ( -8199999) (8200000-8299999)	Description Clip Clip Screw, cap, 5/16" x 5/8" (sub. for 19H100T) Washer, lock, 5/16" Washer, 21/64" x 3/4" x 16 gauge (sub. for 24H39R) Harness, wiring, generator
	AR 1558 R	(8200000-8299999)	Harness, wiring, generator

## ELECTRICAL WIRING -- Continued (Serial No. 8000001-8299999)

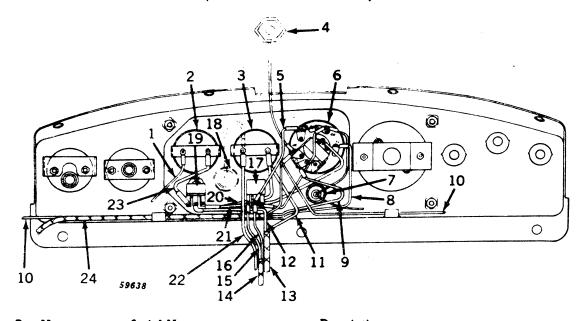
			•	
Key			Serial No.	Description
3		546 F	R ( <b>-82</b> 99999)	Clamp, wiring
4	AR 13	22 F	R ( -8299999)	Harness, wiring, starter switch to distributor and starting motor (sub.
	AR 15	62 F	(8200000-8299999)	AR1562R)
5		14 F		Harness, wiring, starter switch to distributor and starting motor
3		57 F		Lead, wiring, ammeter to starting motor (sub. AR1557R)
6	B 15	88 R		Lead, wiring, ammeter to starting motor
v		99 R		Clip
		10 F		Screw, special cap, 5/16" x 9/16"
		143 F		Washer, lock 5/16"
7		20 R		Washer, 21/64" x 3/4" gauge (sub. for 24H39R)
•		60 F	( 0_0000	Lead, wiring, fuel gauge receiver to sender (sub. AR1560R)
8		89 R		Lead, wiring, fuel gauge receiver to sender
9		75 R		Clip (2 used) Lamp, R. H. and L. H. (6-volt) (for parts, see page 40-36) (sub.
			•	AF3817R)
	AF 38	17 R	(8203 100 - 8299999)	Lamp, R. H. and L. H. (6-volt, sealed beam) (for parts, see page
	A 27	43 R	-8299999)	40-37)
		91 R		Washer (2 used)
		13 R		Washer, 37/64" x 1-1/8" x 11 gauge (2 used)
		92 R		Washer, lock, 1/2" (2 used)
10		80 R		Nut, 1/2" (2 used)
		79 R		Grommet (2 used) (packed 2 in a pkg.) (sub. R2579R)
11		16 R		Grommet (2 used) (packed 2 in a pkg.)
		59 R		Harness, wiring, combination switch to R.H. and L.H. lamp
12		71 R	(020000-8299999)	Harness, wiring, combination switch to R.H. and L.H. lamp
13		53 R		Clip (2 used)
14	AR 13			Cable, battery to starting motor
		61 R		Harness, wiring, combination switch to rear lamp Harness, wiring, combination switch to rear lamp (switch end) (sub.
			(======,	AR1851R and AF3814R)
		51 R		Harness, wiring, combination switch to rear lamp (switch end)
15		88 R		Clip
16		76 T	( -8203099)	Connector, two wire
17		79 R		Grommet (packed 2 in a pkg.)
18		19 T		Socket, electrical outlet
	21H 40			Screw, mach. (2 used)
		51 R	( -8 <b>2</b> 99999)	Washer (2 used) (packed 10 in a pkg.) (sub. for A3010R)
		78 C	( <b>-82</b> 99999 <b>)</b>	Nut, Hex. (2 used) (sub. for 14H606R)
<b>1</b> 9		91 R	(	PLUG, ELECTRICAL OUTLET, WITH CABLE (ATTACHMENT)
		92 R		Plug, electrical outlet, less cable
20		10 R	, , , , , , , , , , , , , , , , , , , ,	Strap, battery ground
		72 R	,	Screw, special cap
		11 R	, , , , , , , , , , , , , , , , , , , ,	Washer, lock, 3/8"
0.4		N O	( -8299999)	Nut, sq., 3/8"
21		32 R	, , , , , , , , , , , , , , , , , , , ,	Lamp, rear and warning (6-volt) (sub. AR21734R)
		95 R	( 020000)	Washer, outside
		77 R	( -8199999)	Washer, inside
		13 R	( -8199999)	Washer, lock, 1/2"
22	14H 47	73 R	( -8199999)	Nut, jam, 1/2"
22 23		79 R		Grommet (packed 2 in a pkg.)
		73 R	( -8299999)	Lead, wiring, electrical outlet socket
24		2 R	(8200000-8203099)	Harness, rear lamp wiring (lamp end)
25		14 R	(8203100-8299999)	Harness, rear lamp wiring (lamp end)
23	AF 308	38 R	(8200000-8299999)	Lamp, rear and warning (6-volt) (for parts, see page 40-37) (sub. AR21734R)
		95 R	(8200000-8299999)	Washer, outside
		5 R	( <b>8200000-829</b> 9999 <b>)</b>	Washer, inside
	12H 1	3 R	( <b>8200000-82</b> 99999)	Washer, lock, 1/2"
	14H 47	73 R	( <b>820000</b> 0- <b>82</b> 99999)	Nut, jam, 1/2"
Donto	listed halos		not illemmated	•
rarus	AR 142		not illustrated. ( -8199999)	Wining pople compact lite and the second
	AIL 142	1	( -0193399)	Wiring, replacement kit, consisting of: one AA4881R, one AA5673R,
				one AR1315R, one AR1316R, one AR1321R, one AR1323R, one
	AR 158	1 R	(8200000-8299999)	AR1557R, one AR1560R, and one AR1562R Wiring, replacement kit, consisting of: two AA4881R, one AF3814R,
			(	one AA5673R, one AR1557R, one AR1558R, one AR1559R, one
				AR1560R, one AR1851R, and one AR1562R
				, and the first of the second

## INSTRUMENT PANEL WIRING (Serial No. 8000001-8199999)



Key	Part No.		Serial No.	Description
1	AF 2749 R	(	-8199999)	Ammeter (sub. for AB2568R)
2	AM 1949 T	i	-8199999)	LICHTER, CIGARETTE (6-VOLT) (ATTACHMENT)
3	AR 1557 R	ì	-8199999)	Lead, wiring, ammeter to starting motor (white) (sub. for AR 1314)
4	AR 1562 R	(	-8199999)	Harness, wiring, starter switch to distributor and starting motor (sub. for AR1322R)
5	AR 1315 R	(	-8199999)	Harness, wiring, generator
6	• • • • • • • • • • • • •	Ì	-8199999)	Wire, generator to ammeter (white) (not sold separately) (part of AR1315R)
7	•••••	(	-8199999)	Wire, generator to fuel gauge switch (black) (not sold separately) (part of AR1315R)
8	AR 1560 R	(	-8199999)	Lead, wiring, fuel guage receiver to fuel gauge sender (sub. for AR 1320R)
9	AR 1274 R	(	-8199999)	Lamp, dash
10	AF 2739 R	ì	-8199999)	Receiver, fuel gauge (6-volt) (sub. for AF2170R)
11	AA 4881 R	)	-8199999)	Lead, wiring, fuel gauge switch to fuel gauge receiver (sub. for AR 1319R)
12	• • • • • • • • • • • • • • • • • • • •	(	-8199999)	Wire, fuel gauge switch to combination switch (black) (not sold separately) (part of AR1315R)
13	• • • • • • • • • • • • • • • • • • • •	. (	-8199999)	Light, indicator (order one AA4925R, one AA4926R and one AB4059R) (see page 40-11)
14	••••••	(	-8199999)	Wire, combination switch to starting switch (black) (not sold separately) (part of AR1323R)
15	AF 2460 R	(	-8199999)	Switch, combination, ignition and light, with resistor (sub. for AF2065R)
16	AF 2143 R	(	-8199999)	Resistor, ignition
17	AR 1316 R	ì	-8199999)	Harness, wiring, combination switch to R. H. and L. H. lamp (black)
18	•••••	(	-8199999)	Wire, combination switch to rear warming lamp (red) (not sold separately) (part of AR1321R)
19	•••••	(	-8199999)	Wire, combination switch to starting switch (green) (not sold separately) (part of AR13223R)
20	• • • • • • • • • • • • • • • • • • • •	(	-8199999) <sub>\(\</sub>	Wire, combination switch to rear lamp (black) (not sold separately) (part of AR1321R)
21	AR 1323 R	(	-8199999)	Harness, wiring, combination switch to starting switch
22	AF 2171 R	i	-8199999)	Switch, fuel gauge
23	•••••	(	-8199999)	Wire, ammeter to fuel gauge switch (black) (not sold separately) (part of AR1315R)
24	•••••	(	-8199999)	Wire, starting switch to distributor (green) (not sold separately) (part of AR1562R)
25	•••••••	(	-8199999)	Wire, starting switch to starting motor (black) (not sold separately) (part of AR1562R)
26	AR 1324 R	(	-8199999)	Switch, starter
27	AR 1321 R	į	-8199999)	Harness, wiring, rear lamp

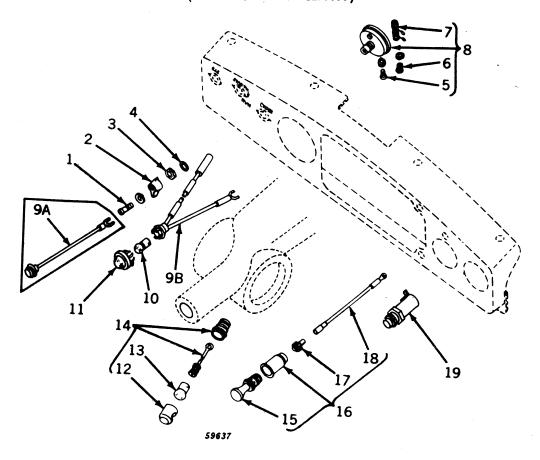
### INSTRUMENT PANEL WIRING (Serial No. 8200000-8299999)



Key	Part No.	Serial No.	Description
1	AR 1560 R	(8200000-8299999)	Lead, wiring, fuel gauge receiver to fuel gauge sender
2	AF 2739 R	(8200000-8299999)	Receiver, fuel gauge (6-volt)
3	AF 2749 R	(8200000-8299999)	Ammeter
4	AR 1563 R	(8200000-8299999)	Lamp, dash
5	AA 4881 R	(8200000-8299999)	Lead, wiring, combination switch to starter switch (black)
6	AF 2460 R	(8200000-8299999)	Switch, combination, with resistor
7	••••••	(8200000-8203099)	Light, indicator (order one AA4925R, one AA4926R and one AB4059R)
		(8203100-8299999)	Light, indicator (order one AA4925R, one AB4059R and one AR1886R)
8		(8200000-8299999)	Wire, switch to rear lamp (black) (not sold separately) (part of AF3814R and AR1851R)
9		(8200000-8299999)	Wire, switch to rear warming lamp (red) (not sold separately) (part of AF3814R and AR1851R)
10	AR 1559 R	(8200000-8299999)	Harness, wiring, combination switch to R. H. and L. H. lamps (black)
11		(8200000-8299999)	Wire, generator to ammeter (white) (not sold separately) (part of AR 1558R)
12	• • • • • • • • • • • • • • • • • • • •	(8200000-8299999)	Wire, generator to fuel gauge switch (black) (not sold separately) (part of AR1558R)
13	AR 1558 R	(8200000-8299999)	Harness, wiring, generator
14	AR 1562 R	(8200000-8299999)	Harness, wiring, starter switch to distributor and starting motor
15	• • • • • • • • • •	(8200000-8299999)	Wire, starter switch to starting motor (black) (not sold separately) (part of AR1562R)
16		(8200000-8299999)	Wire, starter, switch to distributor (green) (not sold separately) (part of AR1562R)
17	AR 1324 R	(8200000-8 <b>299999</b> )	Switch, starter
18	AM 1949 T	(8200000-8299999)	LIGHTER, CIGARETTE (6-VOLT) (ATTACHMENT)
19	AF 2171 R	(8200000-8299999)	Switch, fuel gauge
20	• • • • • • • • • • • •	(8200000-8299999)	Wire, ammeter to fuel gauge switch (black) (not sold separately) (part of AR1558R)
21	•••••	(8200000-8299999)	Wire, switch to fuel gauge switch (black) (not sold separately) (part of AR1558R)
22	AR 1557 R	(8200000-8299999)	Lead, ammeter to starting motor (white)
23	AA 4881 R	(8200000-8299999)	Lead, wiring, fuel gauge switch to fuel gauge receiver
24	AR 1561 R	(8200000-8299999)	Harness, wiring, rear lamp (switch end) (sub. AF3814R and AR1851R)

### MEMORANDA

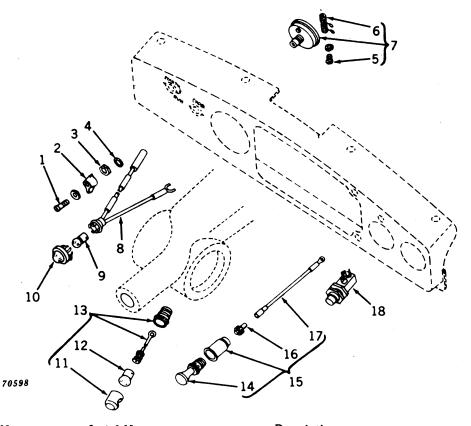
## DASH LAMP, SWITCHES, INDICATOR LIGHT, AND CIGARETTE LIGHTER (Serial No. 8000001-8299999)



Key	Part No.	Serial No.	Description
1	21H 973 R	( -8299999)	Screw, mach.
	A 766 R	( -8299999)	Washer, lock
2	1902694	( <b>-82</b> 99999)	Lever, switch
3	1902692*	i -8299999)	Nut, 1/2", switch to panel
<b>4</b> 5	138549*	i -8299999)	Washer, lock, 1/2"
5	R 11100 R	( -8299999)	Screw, mach. (3 used) (sub. for 1864099)
	1886496	i -8299999j	Screw, mach. (2 used)
	12H 290 R	( -8 <b>2</b> 99999)	Washer (5 used) (sub. for A2734R)
6	1886496	i -8299999j	Screw, mach. (2 used)
	A 766 R	( -8299999)	Washer, lock (2 used)
7	19 <b>2</b> 9666	i -8299999j	Resistor
8	AF 2460 R	( -8299999)	Switch, combination ignition and light, with resistor, less lever
			(6-volt) (sub. for AF2065R)
9A	AA 4926 R	( -8299999)	Socket and wire
9B	AR 1886 R	(8203100-8299999)	Socket and wires
10	AB 4059 R	( -829999 <b>9)</b>	Bulb, 1 candlepower, 6-8-volt (packed 10 in a pkg.)
11	AA 4925 R	( -8 <b>2</b> 99999)	Jewel
12	A 3032 R	( -8299999)	Hood, dash lamp
13	AB 2582 R	( -8299999)	Bulb, 3 candlepower, 6-8-volt (packed 10 in a pkg.)
14	AR 1274 R	( -8199999)	Lamp, dash
	AR 1563 R	(8200000-8299999)	Lamp, dash
15	AM 2091 T	( -8299999)	Element, cigarette lighter
16	AM 1949 T	( -8299999)	LIGHTER, CIGARETTE (6-VOLT) (ATTACHMENT)
17	AM 2151 T	( -8299999)	Fuse, cigarette lighter
18	AR 21164 R	( -8299999)	Wire assembly, cigarette lighter (sub. for AM2152T)
19	AR 1324 R	( -8299999)	Switch, starter

<sup>\*</sup>Furnished by John Deere Dubuque Tractor Works.

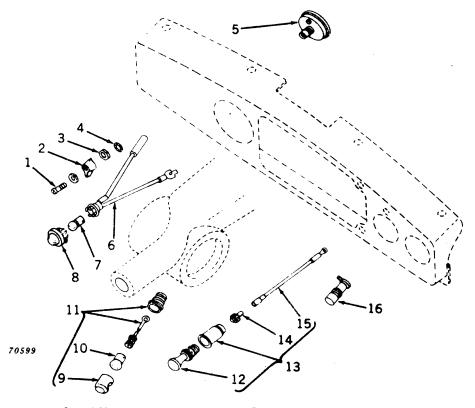
DASH LAMP, SWITCHES, INDICATOR LIGHT, AND CIGARETTE LIGHTER (C.E.) (Serial No. 8300000-)



Key	Part No.	Serial No.	Description
1	21H 973 R	(8300000- )	Screw, mach.
	A 766 R	(8300000 –	Washer, lock
2	1902694*	(8300000 – )	Lever, switch
3	1902692*	(8300000-	Nut, 1/2", switch to panel
4	138549*	(8300000-	Washer, lock, 1/2"
5	<b>18864</b> 9 <b>6</b>	(8300000-	Screw, mach.
	A 766 R	(8300000-	Washer, lock
6	AF 2143 R	(8300000-	Resistor
7	AR 21162 R	(8300000- )	Switch, combination ignition and light, with ignition resistor, less lever (6-volt)
8	AR 1886 R	(8300000-	Socket and wires
9	AB 4059 R	(8300000-	Bulb, 1 candlepower, 6-8-volt (packed 10 in a pkg.)
10	AA 4925 R	(8300000-	Jewel
11	A 3032 R	(8300000- )	Hood, dash lamp
12	AB 2582 R	(8300000-	Bulb, 3 candlepower, 6-8-volt (packed 10 in a pkg.)
13	AR 20447 R	(8300000-	Lamp, dash, less bulb
14	AM 2091 T	(8300000-	Element, cigarette lighter
15	AM 1949 T	(8300000-	LIGHTER, CIGARETTE (6-VOLT) (ATTACHMENT)
16	AM 2151 T	(8300000-	Fuse, cigarette lighter
17	AR 21164 R	(8300000-	Wire assembly, cigarette lighter (sub. for AM2152T)
18	AR 20431 R	(8300000-8301266)	Switch, starter (sub. AR21823R)
	AR 21823 R	(8301267-	Switch, starter
	R 21156 R	(8301267-	Cap, starter switch (rubber)
	R 21157 R	(8301267-	Nut, starter switch
Parts	listed below are no	t illustrated.	
	AA 5592 R	(8300000- )	Switch, with keys and mounting nuts
	AA 4881 R	(8300000- )	Lead, wiring, key switch to ammeter
	AF 2172 R	(8300000- )	Lead, wiring, key switch to fuel gauge switch

<sup>\*</sup>Furnished by John Deere Dubuque Tractor Works.

DASH LAMP, SWITCHES, INDICATOR LIGHT, AND CIGARETTE LIGHTER (Elec.) (Serial No. 8300000-)



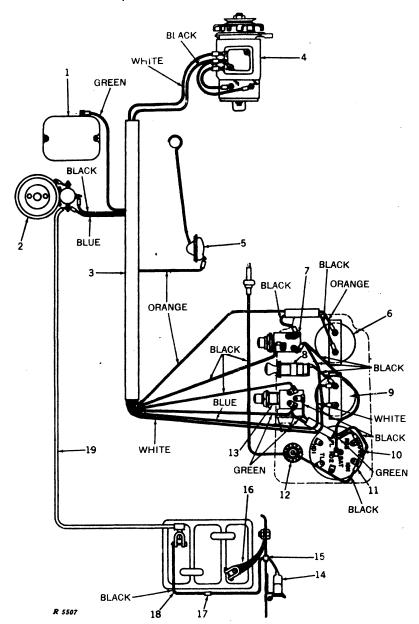
Key	Part No.	Serial No.	Description
1	21H 973 R	(8300000-	Screw, mach.
	A 766 R	(8300000-	Washer, lock
2	19 <b>02694*</b>	(8300000-	Lever, switch
3	1902692*	(8300000- )	Nut, 1/2", switch to panel
4	138549*	(8300000-	Washer, lock, 1/2"
4 5	AR 20234 R	(8300000-	Switch, combination starting and light, less lever (24-volt)
6	AR 20959 R	(8300000-	Socket and wires, generator indicator
7	AA 4927 R	(8300000-	Bulb, 1 candlepower, 12-16-volt (packed 10 in a pkg.)
8	AA 4925 R	(8300000 - )	jewel
9	A 3032 R	(8300000-	Hood, dash lamp
10	AR 20580 R	(8300000-	Bulb, 6 candlepower, 12-16-volt (packed 10 in a pkg.)
11	AR 20447 R	(8300000-	Lamp, dash, less bulb
12	AA 5787 R	(8300000-	Element, cigarette lighter
13	AR 20438 R	(8300000- )	LIGHTER, CIGARETTE (12-VOLT) (ATTACHMENT) (SUB. FOR
		-	AA5734R)
14	AM 2151 T	(8300000- )	Fuse, cigarette lighter
15	AR 21164 R	(8300000-	Wire, assembly, cigarette lighter (sub. for AM2152T)
16	AR 20235 R	(8300000-8301266)	Switch, starter (sub. AR21823R)
	AR 21823 R	(8301267-	Switch, starter
	R 21156 R	(8301267- )	Cap, starter switch (rubber)
	R 21157 R	(8301267- )	Nut, starter switch

\*Furnished by John Deere Dubuque Tractor Works.

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Parts listed below are not illustrated.

AA 5592 R (8300000-
AF 2172 R (8300000-
) Switch, with keys and mounting nuts
Lead, wiring, key switch
```

## GENERATOR, IGNITION, AND STARTING WIRING (C.E.) (Serial No. 8300000- )

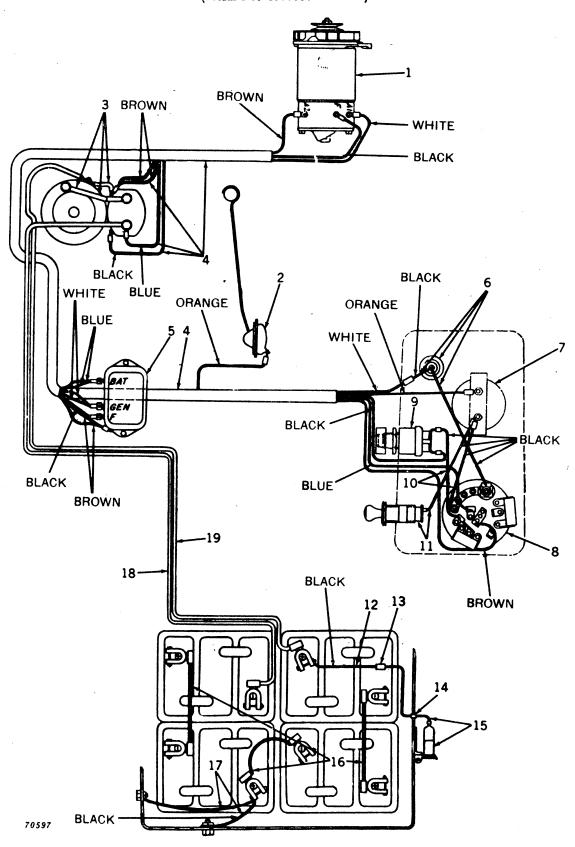


## GENERATOR, IGNITION, AND STARTING WIRING (C.E.) -- Continued (Serial No. 8300000-)

Key	Part No.	Serial No.	Description
1	AR 1370 R	(8300000-	) Distributor
2	AR 1203 R	(8300000 -	) Motor, cranking (6-volt) (Delco-Remy no. 1107155)
3	AR 20549 R	(8300000-	) Harness, wiring
	B 19 <b>86</b> R	(8300000-	) Clip
	R 1646 R	(8300000-	) Clamp
4	AF 2080 R	(8300000-	Generator, with fan and pulley (6-volt) (Delco-Remy no. 1100027) (sub. AR29107R)
5	AR 1112 R	(8300000-	) Sender, fuel gauge
6	AF 2 <b>7</b> 39 R	(8300000-	Receiver, fuel gauge
7	AF 2171 R	(8300000-	) Switch, fuel gauge
8	AM 1949 T	(8300000-	) LIGHTÉR CIGARETTE (6-VOLT) (ATTACHMENT)
9	AF 2 <b>749 R</b>	(8300000-	Ammeter
10	AF 2143 R	(8300000-	) Resistor, ignition
11	AR 20434 R	(8300000-	) Switch, with ignition resistor
12	•••••••	(8300000-	) Light, indicator (order one AA4925R, one AB4059R, and one AR1886R)
13	AR 21823 R	(8300000-	) Switch, starter (sub. for AR20431R and AR21219R)
	R 21156 R	(8301 <b>267</b> -	) Cap, fuel gauge switch (rubber)
	R 21 <b>157 R</b>	(8301267-	) Nut, fuel gauge switch
14	AM 2049 T	(8300000-	) Socket, electrical outlet
	21H <b>404</b> R	(8300000-	) Screw, mach., (2 used)
	12H 251 R	(8300000-	) Washer (2 used)
	14H 778 H	(8300000-	Nut, hex. (2 used) (sub. for 14H606R)
15	R 2579 R	(8300000-	Grommet (packed 2 in a pkg.)
16	AB 4100 R	(8300000-	) Strap, ground
17	AL 29 <b>76 T</b>	(8300000-	Connector, two-wire
18	AA 5673 R	(8300000-	Lead, wiring, electrical outlet socket, battery end
<b>1</b> 9	AR 1353 <b>R</b>	(8300000-	) Cable, battery
	B 989 R	(8300000-	) Clip
Parts 1	isted below are no		
	AR 21317 R	(8300000-	Wiring replacement set consisting of one AA5673R, one AF3814R, one AR20549R, one AR20550R, and one AR20551R
	A 2610 R	(8300000-	Clip, wiring harness and heat indicator tube to timing gear cover
	B 989 R	(8300000-	Clip, starting motor cable to platform screw
	B 989 R	(8300000-	Clip, starting motor cable to fuel tank support
	B 1588 R	(8300000 -	Clip, conduit starting motor cable to platform screw
	B 1588 R	(8300000-	Clip, generator and C.E. wiring to steering gear housing
	C 1749 R	(8300000-	Clip, starting motor cable to transmission cover cable
	AA 4881 R	(8300000-	Lead, wiring, key switch to ammeter
	AA 5592 R	(8300000-	Switch, with keys and mounting nuts
	AF 2172 R	(8300000-	Lead, wiring, key switch to fuel gauge switch
	AR 21219 R	(8300000-	Switch

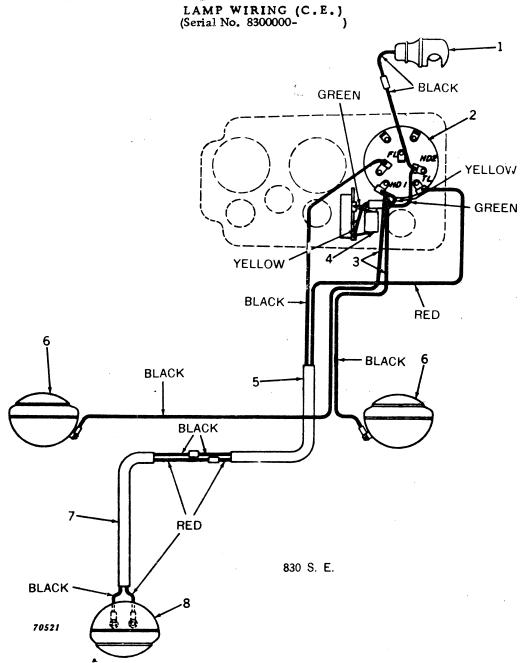
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### GENERATOR, IGNITION, AND STARTING (Elec.) (Serial No. 8300000- )



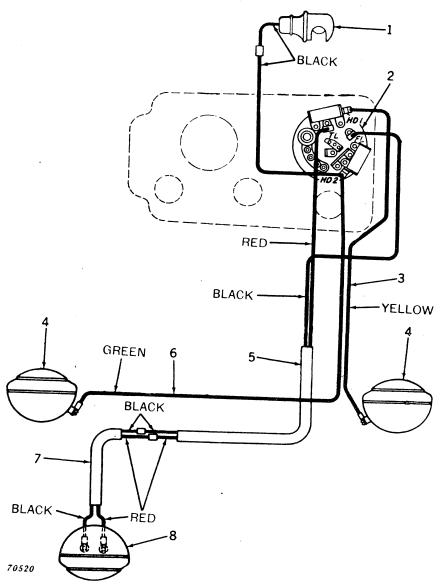
# GENERATOR, IGNITION, AND STARTING (Elec.) -- Continued (Serial No. 8300000-)

Key	Part No.	Serial No.	Description
1	AR 11007 R	(8300000-	Generator, with fan and pulley (24-volt) (Delco-Remy no. 1103021)
2	AR 1112 R	(8300000- )	Sender, fuel gauge
3	AR 11109 R	(8300000- j	Motor, cranking, with solenoid switch (24-volt) (Delco-Remy no. 1113801)
4	AR 20576 R	(8300000-8303395)	Harness, wiring
	AR 11073 R	(8303 <b>3</b> 96- )	Motor, cranking (Delco-Remy no. 1113830)
	A 5172 R	(8300000- j	Clip
_	R 1646 R	(8300000- )	Clamp .
5	AR 30155 R	(8300000- )	Regulator, voltage (sub. for AR11108R)
6	••••••	(8300000-	Light, indicator (order one AA4925R, one AA4927R, and one AR20959R)
7	AF 2721 R	(8300000-	Receiver, fuel gauge (12-volt)
8	AR 20234 R	(8300000- )	Switch, combination, starting and lighting (24-volt)
9	AR 21823 R	(8300000-	Switch, starter (sub. for AR20235R)
10	AR 20713 R	(8300000-	Harness, wiring, combination switch, starter switch and fuel receiver
11	AR 20438 R	(8300000- )	LIGHTER, CIGARETTE (12-VOLT) (ATTACHMENT)
12	AA 5673 R	(8300000 – )	Lead, wiring, electrical outlet socket, battery end
13	AL 2976 T	(8300000-	Connector, two-wire
14	R 2579 R	(8300000-	Grommet (packed 5 in a pkg.)
15	AM 2049 T	(8300000- )	Socket, electrical outlet
	21H 404 R	(8300000- )	Screw, mach., rd. hd., no. 10 x 3/8" (2 used)
	12H 251 R	(8300000-	Washer, lock (shake-proof) (no. 10) (2 used)
16	14H 778 H	(8300000-	Nut (no. 10) (2 used) (sub. for 14H606R)
16	AA 4039 R	(8300000-	Cable, battery connector (3 used)
17	AR 20218 R	(8300000-	Lead, battery ground (attached to rear of battery box where regular seat is installed and to side of battery box where float-ride seat is installed)
18	AR 20566 R	(8300000)	Cable, battery, negative terminal to solenoid on cranking motor
19	AR 20565 R	(8300000-	Cable, battery, positive terminal to cranking motor
Parts 1	isted below are no		
	12H 11 R	(8300000- )	Washer, lock, 3/8", starting motor cable clip to platform screw
	14H 785 R	(830000- )	Nut, 5/16", starting motor cables to trans. case cover clamp screw (sub. for 14H253R)
	14H 812 C	(8300000,- )	Nut, 3/8", starting motor cable clip to platform screw (2 used) (sub. for 14H255R)
	19H 118 T	(8300000- )	Screw, cap, 5/16" x 1", starting motor cables to trans. case cover clamp (sub. for 19H112R)
	B 989 R	(8300000- )	Clip, starting motor cable to platform screw (4 used)
	B 1588 R	(8300000- j	Clip, conduit starting motor cable to platform screw (2 used)
	F 1682 R	(8300000- )	Clamp, half, starting motor cables to trans. case cover
	F 1683 R	(8300000- )	Clamp, half, starting motor cables to trans. case cover
	AR 21318 R	(830000- )	Wiring replacement set consisting of one AA5673R, one AF3814R, one AR20551R, one AR20576R, one AR20577R, one AR20578R, and one AR20713R
	R 21156 R	(8301267- )	Cap, starter switch (rubber)
	R 21157 R	(8301267- )	Nut, starter switch
		<u>.</u>	



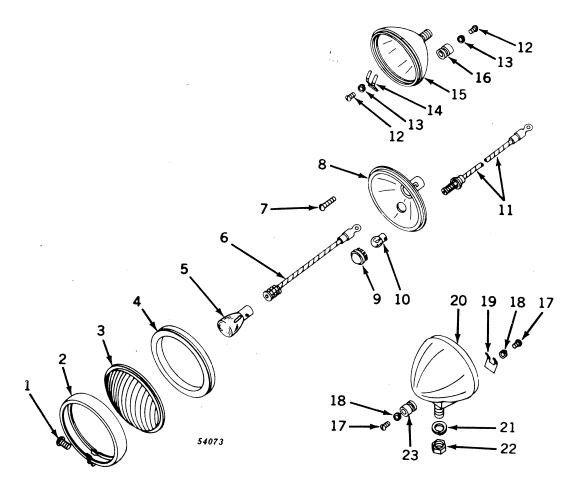
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Key	Part No.	Serial No.	Description
1	AR 20447 R	(8300000-	Lamp, dash
2	AR 21162 R	(8300000-	Switch, combination, with ignition resistor (6-volt)
3	AR 20550 R	(8300000- )	Harness, wiring, side lamp
4	AR 20878 R	(8300000- )	Resistor, light, with clip (6-volt)
5	AR 20551 R	(8300000-	Harness, wiring, rear lamp, switch end
6	AF 3817 R	<b>(</b> 8300000- )	Lamp, R.H. and L.H. (6-volt, sealed beam) (for parts see page 40-37)
	A 2742 D	/8200000 \	
	A 2743 R	(8300000- )	Washer (2 used)
	24H 991 R	<b>(</b> 8300000- )	Washer, 37/64" x 1-1/8" x 11 gauge (2 used)
	12H 13 R	(8300000-	Washer, lock, 1/2" (2 used)
	14H 392 R	(8300000-	Nut, 1/2" (2 used)
	R 2579 R	(8300000- )	Grommet (2 used) (packed 2 in a pkg.)
7	AF 3814 R	(8300000- )	Harness, wiring, rear lamp, lamp end
8	AF 3088 R	(8300000-8305004)	Lamp, rear and warning (6-volt) (for parts see page 40-37) (sub. AR21734R)
	AR 21734 R	(8305005-	Lamp, rear and warning (6-volt) (for parts see page 40-38)
	B 2295 R	(8300000- )	Washer, outside
	F 2935 R	(8300000-	Washer, inside
	12H 13 R	(8300000- )	Washer, lock, 1/2"
	14H 473 R	(8300000-	Nut, jam, 1/2"





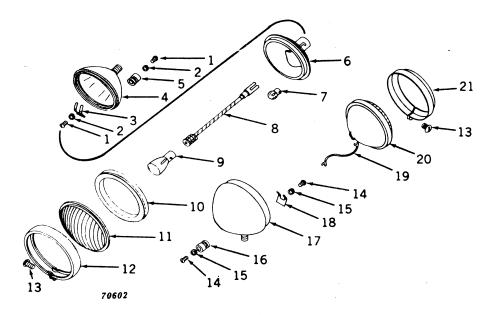
Key	Part No. AR 20447 R	Serial No. (8300000- )	Description Lamp, dash
2	AR 20234 R	(8300000- )	Switch, combination, starting and light (24-volt)
3	AR 20577 R	(8300000 )	Harness, wiring, R.H. lamp to switch
4	AF 3816 R	(8300000- )	Lamp, R.H. and L.H. (12-volt, sealed beam) (for parts see page 40-37)
	A 2743 R	(8300000-	Washer (2 used)
	24H 991 R	(8300000- )	Washer, 37/64" x 1-1/8" x 11 gauge (2 used)
	12H 13 R	(8300000- )	Washer, lock, 1/2" (2 used)
	14H 392 R	(8300000- )	Nut, 1/2" (2 used)
	R 2579 R	(8300000-	Grommet (2 used) (packed 2 in a pkg.)
5	AR 20551 R	(8300000- )	Harness, wiring, switch to rear lamp
6	AR 20578 R	(8300000- j	Harness, wiring, L.H. lamp and dash lamp to switch
7	AF 3814 R	(8300000-	Harness, wiring, rear lamp, lamp end
8	AA 6733 R	(8300000-8304429)	Lamp, rear and warning (12-volt) (for parts see page 40-37) (sub. AR21735R)
	AR 21735 R	<b>(</b> 8304430- )	Lamp, rear and warning (12-volt) (for parts see page 40-38)
	B 2295 R	(8300000-	Washer, outside
	F 2935 R	(8300000-	Washer, inside
	12H 13 R	(8300000-	Washer, lock, 1/2"
	14H 473 R	<b>(</b> 8300000- )	Nut, jam, 1/2"

# PARTS FOR AA3075R AND AF2082R FRONT AND REAR LAMILS (Serial No. 8000001-8203099)



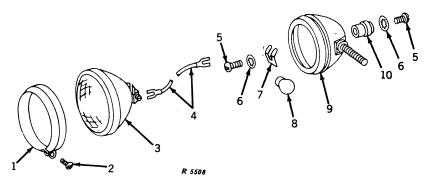
Key         Part No.         Serial No.         Front Rear         Description           1         A         2729 R         (         -8203099)         1         1         Screw           2         AA         3241 R         (         -8203099)         1         1         Molding           3         A         2731 R         (         -8203099)         1         1         Lens           4         AA         3239 R         (         -8203099)         1         1         Gasket, lens (rubber)           5         AB         2820 R         (         -8203099)         1         1         Bulb, 6-8-volt (packed 10 in a pkg.)           6         AA         3240 R         (         -8203099)         1          Wiring           7         A         2883 R         (         -8203099)         1          Screw           8         AA         3238 R         (         -8199999)          1         Reflector           9         AA         4925 R         (         -8199999)          1         Bulb, warning, 1 candlepower, 6-8-volt (packed 10 in a pkg.)           11         AA         4925 R				Quantity Used	
2 AA 3241 R ( -8203099) 1 1	Key	Part No.	Serial No.	Front Rear	Description
3 A 2731 R ( -8203099) 1 1	1	A 2729 R	( -8203099	) 1 1	
4 AA 3239 R ( -8203099) 1 1 Gasket, lens (rubber) 5 AB 2820 R ( -8203099) 1 1 Bulb, 6-8-volt (packed 10 in a pkg.) 6 AA 3240 R ( -8203099) 1 Wiring AA 4666 R ( -8199999) 1 Wiring, switch to large bulb 7 A 2883 R ( -8203099) 1 Reflector AA 4924 R ( -8199999) 1 Reflector 9 AA 4925 R ( -8199999) 1 Jewel, red 10 AB 4059 R ( -8199999) 1 Bulb, warming, 1 candlepower, 6-8-volt (packed 10 in a pkg.) 11 AA 4926 R ( -8199999) 1 Socket and wire (warming lamp) 12 21H 972 R ( -8199999) 4 Screw, rd. hd., no. 8 x 5/16" (4 used) 13 12H 290 R ( -8199999) 4 Washer (4 used) (sub. for A2734R) 14 A 2899 R ( -8199999) 2 Spring, terminal plate (2 used) 15 AF 2082 R ( -8199999) 2 Spring, terminal, with screws, spring, and lock washers 16 AB 3739 R ( -8203099) 2 Screw, rd. hd., no. 8 x 5/16" (2 used) 18 12H 290 R ( -8203099) 2 Screw, rd. hd., no. 8 x 5/16" (2 used) 19 A 2899 R ( -8203099) 1 Spring, terminal, with screws, spring, and lock washers (Bakelite) (2 used) (sub. AA3495R) 20 AA 3243 R ( -8203099) 1 Body only, 12-volt (sub. AF3816R) 21 12H 13 R ( -8203099) 1 Body only, 12-volt (sub. AF3817R) 21 12H 13 R ( -8203099) 1 Body only, 12-volt (sub. AF3817R) 21 12H 13 R ( -8203099) 1 Body only, 12-volt (sub. AF3817R) 21 12H 13 R ( -8203099) 1 Body only, 12-volt (sub. AF3817R) 22 14H 392 R ( -8203099) 1 Washer, lock, 1/2" 23 AA 3495 R ( -8203099) 1 Plate, terminal, with spring, screws, and lock washers		AA 3241 R	( -8203099	1 1	
4 AA 3239 R ( -8203099) 1 1 1 Gasket, lens (rubber)  5 AB 2820 R ( -8203099) 1 1 Bulb, 6-8-volt (packed 10 in a pkg.)  6 AA 3240 R ( -8203099) 1 Wiring  AA 4666 R ( -8199999) 1 Wiring, switch to large bulb  7 A 2883 R ( -8203099) 1 Reflector  AA 4924 R ( -8199999) 1 Reflector  AA 4925 R ( -8199999) 1 Bulb, warming, 1 candlepower, 6-8-volt (packed 10 in a pkg.)  10 AB 4059 R ( -8199999) 1 Bulb, warming, 1 candlepower, 6-8-volt (packed 10 in a pkg.)  11 AA 4926 R ( -8199999) 1 Socket and wire (warming lamp)  12 21H 972 R ( -8199999) 4 Screw, rd. hd., no. 8 x 5/16" (4 used)  13 12H 290 R ( -8199999) 4 Washer (4 used) (sub. for A2734R)  14 A 2899 R ( -8199999) 2 Spring, terminal plate (2 used)  15 AF 2082 R ( -8199999) 1 Lamp, combination rear and warming, 6-volt (sub. AR21734R)  16 AB 3739 R ( -8203099) 2 Screw, rd. hd., no. 8 x 5/16" (2 used)  18 12H 290 R ( -8203099) 2 Screw, rd. hd., no. 8 x 5/16" (2 used)  19 A 2899 R ( -8203099) 1 Spring, terminal, with screws, spring, and lock washers (Bakelite) (2 used) (sub. AA3495R)  10 AA 3243 R ( -8203099) 1 Body only, 12-volt (sub. AF3816R)  11 AA 395 R ( -8203099) 1 Body only, 12-volt (sub. AF3817R)  12 12H 13 R ( -8203099) 1 Body only, 12-volt (sub. AF3817R)  21 12H 13 R ( -8203099) 1 Body only, 12-volt (sub. AF3817R)  22 14H 392 R ( -8203099) 1 Washer, lock, 1/2"  23 AA 3455 R ( -8203099) 1 Plate, terminal, with spring, screws, and lock washers	3	A 2731 R	( -8203099		Lens
AA 3240 R ( -8203099) 1 Wiring AA 4666 R ( -8199999) 1 Wiring, switch to large bulb  7 A 2883 R ( -8203099) 1 Screw  8 AA 3238 R ( -819999) 1 Reflector AA 4924 R ( -819999) 1 Jewel, red  10 AB 4059 R ( -819999) 1 Bulb, warning, 1 candlepower, 6-8-volt (packed 10 in a pkg.)  11 AA 4926 R ( -8199999) 1 Socket and wire (warning lamp)  12 21H 972 R ( -8199999) 4 Screw, rd. hd., no. 8 x 5/16" (4 used)  13 12H 290 R ( -8199999) 4 Washer (4 used) (sub. for A2734R)  14 A 2899 R ( -8199999) 2 Spring, terminal plate (2 used)  15 AF 2082 R ( -819999) 1 Lamp, combination rear and warning, 6-volt (sub. AR21734R)  16 AB 3739 R ( -8203099) 2 Screw, rd. hd., no. 8 x 5/16" (2 used)  17 21H 972 R ( -8203099) 2 Screw, rd. hd., no. 8 x 5/16" (2 used)  18 12H 290 R ( -8203099) 1 Screw, rd. hd., no. 8 x 5/16" (2 used)  19 A 2899 R ( -8203099) 1 Screw, rd. hd., no. 8 x 5/16" (2 used)  10 AA 3243 R ( -8203099) 1 Body only, 12-volt (sub. AF3816R)  AA 3075 R ( -8203099) 1 Body only, 12-volt (sub. AF3817R)  21 12H 13 R ( -8203099) 1 Body only, 12-volt (sub. AF3817R)  22 14H 392 R ( -8203099) 1 Nut, 1/2"  23 AA 3495 R ( -8203099) 1 Nut, 1/2"  Plate, terminal, with spring, screws, and lock washers	4	AA 3239 R	( -8203099		
AA 3240 R ( -8203099) 1 Wiring AA 4666 R ( -8199999) 1 Wiring, switch to large bulb  7 A 2883 R ( -8203099) 1 Screw  8 AA 3238 R ( -819999) 1 Reflector AA 4924 R ( -819999) 1 Jewel, red  10 AB 4059 R ( -819999) 1 Bulb, warning, 1 candlepower, 6-8-volt (packed 10 in a pkg.)  11 AA 4926 R ( -8199999) 1 Socket and wire (warning lamp)  12 21H 972 R ( -8199999) 4 Screw, rd. hd., no. 8 x 5/16" (4 used)  13 12H 290 R ( -8199999) 4 Washer (4 used) (sub. for A2734R)  14 A 2899 R ( -8199999) 2 Spring, terminal plate (2 used)  15 AF 2082 R ( -819999) 1 Lamp, combination rear and warning, 6-volt (sub. AR21734R)  16 AB 3739 R ( -8203099) 2 Screw, rd. hd., no. 8 x 5/16" (2 used)  17 21H 972 R ( -8203099) 2 Screw, rd. hd., no. 8 x 5/16" (2 used)  18 12H 290 R ( -8203099) 1 Screw, rd. hd., no. 8 x 5/16" (2 used)  19 A 2899 R ( -8203099) 1 Screw, rd. hd., no. 8 x 5/16" (2 used)  10 AA 3243 R ( -8203099) 1 Body only, 12-volt (sub. AF3816R)  AA 3075 R ( -8203099) 1 Body only, 12-volt (sub. AF3817R)  21 12H 13 R ( -8203099) 1 Body only, 12-volt (sub. AF3817R)  22 14H 392 R ( -8203099) 1 Nut, 1/2"  23 AA 3495 R ( -8203099) 1 Nut, 1/2"  Plate, terminal, with spring, screws, and lock washers	5	AB 2820 R	( -8 <b>2</b> 03 <b>0</b> 99)		Bulb, 6-8-volt (packed 10 in a pkg.)
7 A 2883 R ( -8203099) 1 Screw 8 AA 3238 R ( -8203099) 1 Reflector AA 4924 R ( -8199999) 1 Reflector 9 AA 4925 R ( -8199999) 1 Jewel, red 10 AB 4059 R ( -8199999) 1 Bulb, warning, 1 candlepower, 6-8-volt (packed 10 in a pkg.) 11 AA 4926 R ( -8199999) 1 Socket and wire (warning lamp) 12 21H 972 R ( -8199999) 4 Screw, rd. hd., no. 8 x 5/16" (4 used) 13 12H 290 R ( -8199999) 4 Washer (4 used) (sub. for A2734R) 14 A 2899 R ( -8199999) 2 Spring, terminal plate (2 used) 15 AF 2082 R ( -8199999) 1 Lamp, combination rear and warning, 6-volt (sub. AR21734R) 16 AB 3739 R ( -8199999) 2 Plate, terminal, with screws, spring, and lock washers (Bakelite) (2 used) (sub. AA3495R) 17 21H 972 R ( -8203099) 2 Screw, rd. hd., no. 8 x 5/16" (2 used) 18 12H 290 R ( -8203099) 1 Spring, terminal 20 AA 3243 R ( -8203099) 1 Body only, 12-volt (sub. AF3816R) AA 3075 R ( -8203099) 1 Body only, 12-volt (sub. AF3817R) 21 12H 13 R ( -8203099) 1 Body only, 12-volt (sub. AF3817R) 22 14H 392 R ( -8203099) 1 Washer, lock, 1/2" 23 AA 3495 R ( -8203099) 1 Nut, 1/2" 24 AA 3495 R ( -8203099) 1 Nut, 1/2" 25 AA 3495 R ( -8203099) 1 Plate, terminal, with spring, screws, and lock washers	6	AA 3240 R	( -8203099	1	
8 AA 3238 R ( -8203099) 1 Reflector AA 4924 R ( -8199999) 1 Reflector 9 AA 4925 R ( -8199999) 1 Jewel, red 10 AB 4059 R ( -8199999) 1 Bulb, warning, 1 candlepower, 6-8-volt (packed 10 in a pkg.) 11 AA 4926 R ( -8199999) 1 Socket and wire (warning lamp) 12 21H 972 R ( -8199999) 4 Screw, rd. hd., no. 8 x 5/16" (4 used) 13 12H 290 R ( -8199999) 2 Spring, terminal plate (2 used) 14 A 2899 R ( -8199999) 1 Lamp, combination rear and warning, 6-volt (sub. AR21734R) 15 AF 2082 R ( -8199999) 1 Lamp, combination rear and warning, 6-volt (sub. AR21734R) 16 AB 3739 R ( -8199999) 2 Plate, terminal, with screws, spring, and lock washers (Bakelite) (2 used) (sub. AA3495R) 17 21H 972 R ( -8203099) 2 Screw, rd. hd., no. 8 x 5/16" (2 used) 18 12H 290 R ( -8203099) 1 Spring, terminal 20 AA 3243 R ( -8203099) 1 Spring, terminal 20 AA 3075 R ( -8203099) 1 Body only, 12-volt (sub. AF3816R) AA 3075 R ( -8203099) 1 Body only, 12-volt (sub. AF3817R) 21 12H 13 R ( -8203099) 1 Washer, lock, 1/2" 22 14H 392 R ( -8203099) 1 Washer, lock, 1/2" 23 AA 3495 R ( -8203099) 1 Nut, 1/2" 24 14H 392 R ( -8203099) 1 Nut, 1/2" 25 AA 3495 R ( -8203099) 1 Plate, terminal, with spring, screws, and lock washers		AA 4666 R	( -8199999	) 1	Wiring, switch to large bulb
AA 4924 R ( -8199999) 1 Reflector  9 AA 4925 R ( -8199999) 1 Jewel, red  10 AB 4059 R ( -8199999) 1 Bulb, warming, 1 candlepower, 6-8-volt (packed 10 in a pkg.)  11 AA 4926 R ( -8199999) 1 Socket and wire (warming lamp)  12 21H 972 R ( -8199999) 4 Screw, rd. hd., no. 8 x 5/16" (4 used)  13 12H 290 R ( -8199999) 4 Washer (4 used) (sub. for A2734R)  14 A 2899 R ( -8199999) 2 Spring, terminal plate (2 used)  15 AF 2082 R ( -819999) 1 Lamp, combination rear and warning, 6-volt (sub. AR21734R)  16 AB 3739 R ( -819999) 2 Plate, terminal, with screws, spring, and lock washers (Bakelite) (2 used) (sub. AA3495R)  17 21H 972 R ( -8203099) 2 Screw, rd. hd., no. 8 x 5/16" (2 used)  18 12H 290 R ( -8203099) 1 Spring, terminal  20 AA 3243 R ( -8203099) 1 Body only, 12-volt (sub. AF3816R)  AA 3075 R ( -8203099) 1 Lamp, front, 6-volt (sub. AF3817R)  21 12H 13 R ( -8203099) 1 Lamp, front, 6-volt (sub. AF3817R)  22 14H 392 R ( -8203099) 1 Washer, lock, 1/2"  23 AA 3495 R ( -8203099) 1 Nut, 1/2"  Plate, terminal, with spring, screws, and lock washers	7	A 2883 R	( -8203099	) 1	Screw
9 AA 4925 R ( -8199999) 1 Jewel; red 10 AB 4059 R ( -8199999) 1 Bulb, warning, 1 candlepower, 6-8-volt (packed 10 in a pkg.) 11 AA 4926 R ( -8199999) 1 Socket and wire (warning lamp) 12 21H 972 R ( -8199999) 4 Screw, rd. hd., no. 8 x 5/16" (4 used) 13 12H 290 R ( -8199999) 4 Washer (4 used) (sub. for A2734R) 14 A 2899 R ( -8199999) 2 Spring, terminal plate (2 used) 15 AF 2082 R ( -8199999) 1 Lamp, combination rear and warning, 6-volt (sub. AR21734R) 16 AB 3739 R ( -8199999) 2 Plate, terminal, with screws, spring, and lock washers (Bakelite) (2 used) (sub. AA3495R) 17 21H 972 R ( -8203099) 2 Screw, rd. hd., no. 8 x 5/16" (2 used) 18 12H 290 R ( -8203099) 1 Screw, rd. hd., no. 8 x 5/16" (2 used) 19 A 2899 R ( -8203099) 1 Spring, terminal 20 AA 3243 R ( -8203099) 1 Body only, 12-volt (sub. AF3816R) AA 3075 R ( -8203099) 1 Lamp, front, 6-volt (sub. AF3817R) 21 12H 13 R ( -8203099) 1 Washer, lock, 1/2" 23 AA 3495 R ( -8203099) 1 Nut, 1/2" 24 14H 392 R ( -8203099) 1 Nut, 1/2" 25 AA 3495 R ( -8203099) 1 Plate, terminal, with spring, screws, and lock washers	8	AA 3238 R	( -8203099	1	Reflector
10 AB 4059 R ( -8199999) 1 Bulb, warning, 1 candlepower, 6-8-volt (packed 10 in a pkg.)  11 AA 4926 R ( -8199999) 1 Socket and wire (warning lamp)  12 21H 972 R ( -8199999) 4 Screw, rd. hd., no. 8 x 5/16" (4 used)  13 12H 290 R ( -8199999) 4 Washer (4 used) (sub. for A2734R)  14 A 2899 R ( -8199999) 2 Spring, terminal plate (2 used)  15 AF 2082 R ( -8199999) 1 Lamp, combination rear and warning, 6-volt (sub. AR21734R)  16 AB 3739 R ( -8199999) 2 Plate, terminal, with screws, spring, and lock washers (Bakelite) (2 used) (sub. AA3495R)  17 21H 972 R ( -8203099) 2 Washer, lock (2 used) (sub. for A2734R)  18 12H 290 R ( -8203099) 1 Spring, terminal  20 AA 3243 R ( -8203099) 1 Spring, terminal  20 AA 3075 R ( -8203099) 1 Body only, 12-volt (sub. AF3816R)  AA 3075 R ( -8203099) 1 Lamp, front, 6-volt (sub. AF3817R)  21 12H 13 R ( -8203099) 1 Washer, lock, 1/2"  22 14H 392 R ( -8203099) 1 Nut, 1/2"  23 AA 3495 R ( -8203099) 1 Nut, 1/2"  Plate, terminal, with spring, screws, and lock washers		AA 49 <b>2</b> 4 R	( -8199999	) 1	Reflector
a pkg.)  11 AA 4926 R ( -8199999) 1 Socket and wire (warning lamp)  12 21H 972 R ( -8199999) 4 Screw, rd. hd., no. 8 x 5/16" (4 used)  13 12H 290 R ( -8199999) 4 Washer (4 used) (sub. for A2734R)  14 A 2899 R ( -8199999) 2 Spring, terminal plate (2 used)  15 AF 2082 R ( -8199999) 1 Lamp, combination rear and warning, 6-volt (sub. AR21734R)  16 AB 3739 R ( -8199999) 2 Plate, terminal, with screws, spring, and lock washers (Bakelite) (2 used) (sub. AA3495R)  17 21H 972 R ( -8203099) 2 Screw, rd. hd., no. 8 x 5/16" (2 used)  18 12H 290 R ( -8203099) 2 Washer, lock (2 used) (sub. for A2734R)  19 A 2899 R ( -8203099) 1 Spring, terminal  20 AA 3243 R ( -8203099) 1 Body only, 12-volt (sub. AF3816R)  AA 3075 R ( -8203099) 1 Lamp, front, 6-volt (sub. AF3817R)  21 12H 13 R ( -8203099) 1 Washer, lock, 1/2"  22 14H 392 R ( -8203099) 1 Nut, 1/2"  23 AA 3495 R ( -8203099) 1 Nut, 1/2"  Plate, terminal, with spring, screws, and lock washers	9	AA 49 <b>25</b> R	( -8199999		Jewel, red
11 AA 4926 R ( -8199999) 1 Socket and wire (warning lamp) 12 21H 972 R ( -8199999) 4 Screw, rd. hd., no. 8 x 5/16" (4 used) 13 12H 290 R ( -8199999) 4 Washer (4 used) (sub. for A2734R) 14 A 2899 R ( -8199999) 2 Spring, terminal plate (2 used) 15 AF 2082 R ( -8199999) 1 Lamp, combination rear and warning, 6-volt (sub. AR21734R) 16 AB 3739 R ( -8199999) 2 Plate, terminal, with screws, spring, and lock washers (Bakelite) (2 used) (sub. AA3495R) 17 21H 972 R ( -8203099) 2 Screw, rd. hd., no. 8 x 5/16" (2 used) 18 12H 290 R ( -8203099) 1 Spring, terminal 20 AA 3243 R ( -8203099) 1 Spring, terminal 20 AA 3243 R ( -8203099) 1 Body only, 12-volt (sub. AF3816R) AA 3075 R ( -8203099) 1 Lamp, front, 6-volt (sub. AF3817R) 21 12H 13 R ( -8203099) 1 Washer, lock, 1/2" 22 14H 392 R ( -8203099) 1 Washer, lock, 1/2" 23 AA 3495 R ( -8203099) 1 Nut, 1/2" 24 14H 392 R ( -8203099) 1 Nut, 1/2" 25 14H 392 R ( -8203099) 1 Nut, 1/2" 26 Plate, terminal, with spring, screws, and lock washers	10	AB 4059 R	( -8199999	) 1	Bulb, warning, 1 candlepower, 6-8-volt (packed 10 in
12 21H 972 R ( -8199999) 4 Screw, rd. hd., no. 8 x 5/16" (4 used) 13 12H 290 R ( -8199999) 4 Washer (4 used) (sub. for A2734R) 14 A 2899 R ( -8199999) 2 Spring, terminal plate (2 used) 15 AF 2082 R ( -8199999) 1 Lamp, combination rear and warning, 6-volt (sub. AR21734R) 16 AB 3739 R ( -8199999) 2 Plate, terminal, with screws, spring, and lock washers (Bakelite) (2 used) (sub. AA3495R) 17 21H 972 R ( -8203099) 2 Screw, rd. hd., no. 8 x 5/16" (2 used) 18 12H 290 R ( -8203099) 2 Washer, lock (2 used) (sub. for A2734R) 19 A 2899 R ( -8203099) 1 Spring, terminal 20 AA 3243 R ( -8203099) 1 Spring, terminal 20 AA 3075 R ( -8203099) 1 Body only, 12-volt (sub. AF3816R) AA 3075 R ( -8203099) 1 Lamp, front, 6-volt (sub. AF3817R) 21 12H 13 R ( -8203099) 1 Washer, lock, 1/2" 22 14H 392 R ( -8203099) 1 Nut, 1/2" 23 AA 3495 R ( -8203099) 1 Nut, 1/2" 24 14H 392 R ( -8203099) 1 Nut, 1/2" 25 14H 392 R ( -8203099) 1 Plate, terminal, with spring, screws, and lock washers			•		a pkg.)
13 12H 290 R ( -8199999) 4 Washer (4 used) (sub. for A2734R) 14 A 2899 R ( -8199999) 2 Spring, terminal plate (2 used) 15 AF 2082 R ( -8199999) 1 Lamp, combination rear and warning, 6-volt (sub. AR21734R) 16 AB 3739 R ( -8199999) 2 Plate, terminal, with screws, spring, and lock washers (Bakelite) (2 used) (sub. AA3495R) 17 21H 972 R ( -8203099) 2 Screw, rd. hd., no. 8 x 5/16" (2 used) 18 12H 290 R ( -8203099) 2 Washer, lock (2 used) (sub. for A2734R) 19 A 2899 R ( -8203099) 1 Spring, terminal 20 AA 3243 R ( -8203099) 1 Spring, terminal 20 AA 3075 R ( -8203099) 1 Body only, 12-volt (sub. AF3816R) AA 3075 R ( -8203099) 1 Lamp, front, 6-volt (sub. AF3817R) 21 12H 13 R ( -8203099) 1 Washer, lock, 1/2" 22 14H 392 R ( -8203099) 1 Nut, 1/2" 23 AA 3495 R ( -8203099) 1 Plate, terminal, with spring, screws, and lock washers	11	AA 4926 R	( -8199999		Socket and wire (warning lamp)
14 A 2899 R ( -8199999) 2 Spring, terminal plate (2 used) 15 AF 2082 R ( -8199999) 1 Lamp, combination rear and warning, 6-volt (sub. AR21734R)  16 AB 3739 R ( -8199999) 2 Plate, terminal, with screws, spring, and lock washers (Bakelite) (2 used) (sub. AA3495R)  17 21H 972 R ( -8203099) 2 Screw, rd. hd., no. 8 x 5/16" (2 used) 18 12H 290 R ( -8203099) 2 Washer, lock (2 used) (sub. for A2734R) 19 A 2899 R ( -8203099) 1 Spring, terminal 20 AA 3243 R ( -8203099) 1 Spring, terminal 20 AA 3075 R ( -8203099) 1 Body only, 12-volt (sub. AF3816R) AA 3075 R ( -8203099) 1 Lamp, front, 6-volt (sub. AF3817R) 21 12H 13 R ( -8203099) 1 Washer, lock, 1/2" 22 14H 392 R ( -8203099) 1 Nut, 1/2" 23 AA 3495 R ( -8203099) 1 Plate, terminal, with spring, screws, and lock washers	12	21H 972 R	-8199999	) 4	
15 AF 2082 R ( -8199999) 1 Lamp, combination rear and warning, 6-volt (sub. AR21734R)  16 AB 3739 R ( -8199999) 2 Plate, terminal, with screws, spring, and lock washers (Bakelite) (2 used) (sub. AA3495R)  17 21H 972 R ( -8203099) 2 Screw, rd. hd., no. 8 x 5/16" (2 used)  18 12H 290 R ( -8203099) 2 Washer, lock (2 used) (sub. for A2734R)  19 A 2899 R ( -8203099) 1 Spring, terminal  20 AA 3243 R ( -8203099) 1 Body only, 12-volt (sub. AF3816R)  AA 3075 R ( -8203099) 1 Lamp, front, 6-volt (sub. AF3817R)  21 12H 13 R ( -8203099) 1 Washer, lock, 1/2"  22 14H 392 R ( -8203099) 1 Nut, 1/2"  23 AA 3495 R ( -8203099) 1 Plate, terminal, with spring, screws, and lock washers	13	12H 290 R	( -8199999	) 4	Washer (4 used) (sub. for A2734R)
AR21734R)  16 AB 3739 R ( -8199999) 2 Plate, terminal, with screws, spring, and lock washers (Bakelite) (2 used) (sub. AA3495R)  17 21H 972 R ( -8203099) 2 Screw, rd. hd., no. 8 x 5/16" (2 used)  18 12H 290 R ( -8203099) 1 Spring, terminal  20 AA 3243 R ( -8203099) 1 Spring, terminal  20 AA 3075 R ( -8203099) 1 Body only, 12-volt (sub. AF3816R)  AA 3075 R ( -8203099) 1 Washer, lock, 1/2"  21 12H 13 R ( -8203099) 1 Washer, lock, 1/2"  22 14H 392 R ( -8203099) 1 Nut, 1/2"  23 AA 3495 R ( -8203099) 1 Plate, terminal, with spring, screws, and lock washers	14	A 2899 R	( -8199999	) 2	Spring, terminal plate (2 used)
16 AB 3739 R ( -819999) 2 Plate, terminal, with screws, spring, and lock washers (Bakelite) (2 used) (sub. AA3495R)  17 21H 972 R ( -8203099) 2 Screw, rd. hd., no. 8 x 5/16" (2 used) 18 12H 290 R ( -8203099) 2 Washer, lock (2 used) (sub. for A2734R) 19 A 2899 R ( -8203099) 1 Spring, terminal 20 AA 3243 R ( -8203099) 1 Body only, 12-volt (sub. AF3816R) AA 3075 R ( -8203099) 1 Lamp, front, 6-volt (sub. AF3817R) 21 12H 13 R ( -8203099) 1 Washer, lock, 1/2" 22 14H 392 R ( -8203099) 1 Nut, 1/2" 23 AA 3495 R ( -8203099) 1 Plate, terminal, with spring, screws, and lock washers	15	AF 2082 R	( -8199999		Lamp, combination rear and warning, 6-volt (sub.
(Bakelite) (2 used) (sub. AA3495R)  17		•	•	•	AR21734R)
17	16	AB 3739 R	( -8199999	) 2	Plate, terminal, with screws, spring, and lock washers
18 12H 290 R ( -8203099) 2 Washer, lock (2 used) (sub. for A2734R)  19 A 2899 R ( -8203099) 1 Spring, terminal  20 AA 3243 R ( -8203099) 1 Body only, 12-volt (sub. AF3816R)  AA 3075 R ( -8203099) 1 Lamp, front, 6-volt (sub. AF3817R)  21 12H 13 R ( -8203099) 1 Washer, lock, 1/2"  22 14H 392 R ( -8203099) 1 Nut, 1/2"  23 AA 3495 R ( -8203099) 1 Plate, terminal, with spring, screws, and lock washers			•		(Bakelite) (2 used) (sub. AA3495R)
18	17	21H 972 R	( -8203099	) 2	
19 A 2899 R ( -8203099) 1 Spring, terminal 20 AA 3243 R ( -8203099) 1 Body only, 12-volt (sub. AF3816R)	18	12H 290 R	<b>(</b> -8 <b>2</b> 03099	) 2	Washer, lock (2 used) (sub. for A2734R)
20 AA 3243 R ( -8203099) 1 Body only, 12-volt (sub. AF3816R) AA 3075 R ( -8203099) 1 Lamp, front, 6-volt (sub. AF3817R)  21 12H 13 R ( -8203099) 1 Washer, lock, 1/2"  22 14H 392 R ( -8203099) 1 Nut, 1/2"  23 AA 3495 R ( -8203099) 1 Plate, terminal, with spring, screws, and lock washers		A 2899 R	<b>(</b> -8 <b>20</b> 3099	) 1	Spring, terminal
21 12H 13 R ( -8203099) 1 Washer, lock, 1/2" 22 14H 392 R ( -8203099) 1 Nut, 1/2" 23 AA 3495 R ( -8203099) 1 Plate, terminal, with spring, screws, and lock washers		AA 3 <b>2</b> 43 R	<b>i</b> -8 <b>2</b> 03099		Body only, 12-volt (sub. AF3816R)
22 14H 392 R ( -8203099) 1 Nut, 1/2" 23 AA 3495 R ( -8203099) 1 Plate, terminal, with spring, screws, and lock washers		AA 3075 R	<b>(</b> -8 <b>2</b> 03099	1	Lamp, front, 6-volt (sub. AF3817R)
23 AA 3495 R ( -8203099) 1 Plate, terminal, with spring, screws, and lock washers	21	12H 13 R	<b>( -82</b> 03099	) 1	Washer, lock, 1/2"
23 AA 3495 R ( -8203099) 1 Plate, terminal, with spring, screws, and lock washers		14H 392 R	<b>(</b> -8203099	) 1	
		AA 3495 R	<b>(</b> -8 <b>2</b> 03 <b>0</b> 99		Plate, terminal, with spring, screws, and lock washers
(Bakelite)					(Bakelite)

## AF3816R, AF3817R FRONT AND AA6733R, AF3088R REAR LAMP PARTS (Serial No. 8203100-)



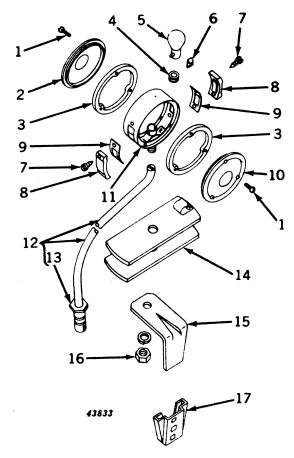
Key	Part No.	Serial No.	Description
1	21H 972 R	(8203100-8304429)	Screw, mach., rd. hd., no. 8 x 5/16" (4 used) (rear lamp)
2	12H 290 R	(8203100-8304429)	Washer, lock (shake-proof), no. 8 (4 used) (rear lamp)
3	A 2899 R	(8203100-8304429)	Spring, terminal plate (2 used) (rear lamp)
4	AF 3088 R	(8203100-8304429)	Lamp, combination rear and warning, 6-volt (C.E.) (sub. AR21734R)
	AA 6733 R	(8203100-8304429)	Lamp, combination rear and warning, 12-volt (elec.) (sub. AR21735R
5	AA 3495 R	(8203100-8304429)	Plate, terminal, with spring, screws, and lock washers (2 used) (rear lamp)
6	AA 6734 R	(8203100-8304429)	Reflector (rear lamp)
7	AR 21738 R	<b>(82</b> 03100- <b>830442</b> 9)	Bulb, 15 C.P., 6-volt (rear lamp) (packed 10 in a pkg.) (C.E.) (sub. for AF3089R)
	AR 21739 R	(8203100-8304429)	Bulb, 15 C.P., 12-volt (rear lamp) (packed 10 in a pkg.) (elec.) (sub. for AA6735R)
8	AA 4666 R	(8203100-8304429)	Wiring (rear lamp)
9	AB 2820 R	(8203100-8304429)	Bulb, 6-8-volt (rear lamp) (packed 10 in a pkg.) (C.E.)
	AD 2062 R	(8203100-8304429)	Bulb, 12-16-volt (rear lamp) (packed 10 in a pkg.) (elec.)
10	AA 3 <b>2</b> 39 R	(8203100-8304429)	Gasket, lens (rubber) (rear lamp)
11	A 2731 R	(8203100-8304429)	Lens (rear lamp)
12	AA 3 <b>241</b> R	(8203100-8304429)	Molding (rear lamp)
13	A 2729 R	(8203100-	Screw, special mach.
14	21H 972 R	(8203100-	Screw, mach., rd. hd., no. 8 x 5/16" (2 used) (front lamp)
15	12H 290 R	(8203100- )	Washer, lock (shake-proof), no. 8 (2 used) (front lamp)
16	AA 3495 R	(8203100- )	Plate, terminal, with spring, screws, and lock washers (front lamp)
17	AF 3817 R	(8203100- )	Lamp, front, 6-volt sealed beam (C.E.)
	AF 3816 R	(8 <b>2</b> 031 <b>0</b> 0- )	Lamp, front, 12-volt sealed beam (elec.)
18	A 2899 R	<b>(82</b> 03 <b>10</b> 0- )	Spring, terminal plate (front lamp)
19	AA 4881 R	(8203100- )	Lead, wiring terminal plate screw to sealed unit screw (front lamp)
20	<b>AF</b> 3893 R	(8203100- )	Unit, sealed, with screws, 6-volt (front lamp) (C.E.)
	AF 3892 R	<b>(82</b> 03100- )	Unit, sealed, with screws, 12-volt (front lamp) (elec.)
21	AF 3891 R	(8203100- )	Molding (front lamp)

## AR21734R AND AR21735R REAR LAMP PARTS (Serial No. 8304430-)



Key	Part No.	Serial No.		Description
1	AF 3891 R	(8304430-	)	Molding
2	A 2729 R	(8304430-	)	Screw, special mach.
3	AR 21737 R	(8304430-	)	Unit, sealed beam, with screws (12-volt)
	AR 21736 R	(8304430-	)	Unit, sealed beam, with screws (6-volt)
4	AA 4881 R	(8304430-	)	Lead, wiring, sealed unit to terminal plate
5	21H 972 R	<b>(</b> 8304430-	)	Screw, mach., rd. hd., no. 8 x 5/16" (4 used)
6	12H 290 R	<b>(</b> 83 <b>044</b> 30-	)	Washer, lock, internal tooth, no. 8 (4 used)
7	A 2899 R	(8304430-	)	Spring, terminal plate (2 used)
8	AR 21739 R	(8304430-	j	Bulb, 15 C.P., 12-volt (packed 10 in a pkg.)
-	AR 21738 R	(8304430-	)	Bulb, 15 C.P., 6-volt (packed 10 in a pkg.) (sub. for AF3089R)
9	AR 21734 R	i8304430-	)	Lamp, combination rear and warning (6-volt) (C.E.)
	AR 21735 R	(8304430-	) ·	Lamp, combination rear and warning (12-volt) (elec.)
10	AA 3495 R	(8304430-	)	Plate, terminal, with spring, screws, and lock washers (2 used)

#### WARNING LAMP FOR TOWED IMPLEMENT

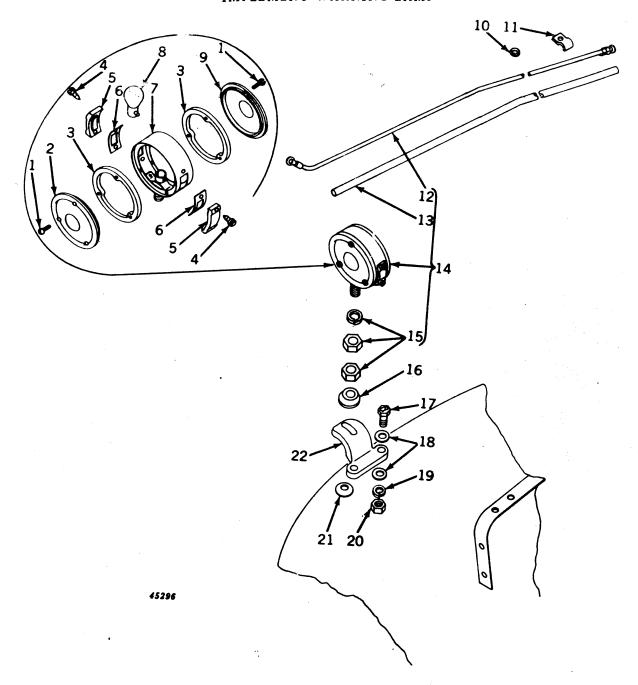


Key	Par	t No.		Serial No.	Description
1	21H	964 R	(	<b>-</b>	) Screw, special mach. (6 used)
2	A.	5276 R	į (	-	) Lens, red
3	A :	5277 R	ĺ	<b>-</b>	) Gasket, lens (2 used) (packed 5 in a pkg.)
4	R	2579 R	(	-	) Grommet (packed 2 in a pkg.) (sub. for B1580R)
5	AA (	6165 R	- (	_	Bulb, 21-candlepower, 6-8-volt, single-contact (packed 10 in a pkg.)
6	Α :	5280 R	Ĭ	-	) Clip
7	M	2207 T	ĺ	-	) Screw, self-tapping (4 used)
8	Α :	5278 R	Č	_	) Lens, outlook (2 used)
9	Α :	5279 R	Č	-	) Gasket, outlook lens (2 used) (packed 5 in a pkg.)
10	Α :	5275 R	Č	-	) Lens, amber
11		• • • • • •	Č	_	Not furnished (order AA6145R)
12	AA S	5691 R	Ī	_	) PLUG, ELECTRICAL OUTLET, WITH CABLE (ATTACHMENT)
13	AA :	5692 R	Ì	_	) Plug, electrical outlet, less cable
14	AA	6217 R	Ĭ	_	) Reel
15	Α :	<b>527</b> 3 R	Č	_	) Bracket
16	14H	813 C	Ì	_	Nut, hex., 7/16" (sub. for 14H257R)
	12H	12 R	Ō	_	) Washer, lock, 7/16"
17	JD	<b>126</b> B	Ò	-	) Socket, lamp bracket

Part listed below is an assembly of parts in this grouping.

AA 6145 R ( - ) LAMP, WARNING, WITH CABLE AND REEL, FOR TOWED IMPLE
MENTS (ATTACHMENT)

### IMPLEMENT WARNING LAMP



### IMPLEMENT WARNING LAMP -- Continued

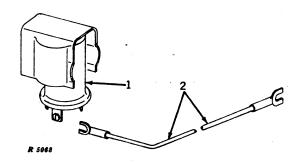
Key	Part No.	Serial No.	Description
1	21H 964 R	( - )	Screw, special mach. (6 used)
2	A 5276 R	( - )	Lens, red
3	A 5277 R	( · · )	Gasket, lens (2 used) (packed 5 in a pkg.)
4	M 2207 T	( - )	Screw, self-tapping (4 used)
4 5	A 5278 R	( - )	Lens, outlook (2 used)
6	A 5279 R	( - )	Gasket, outlook lens (2 used) (packed 5 in a pkg.)
6 7		( - )	Not furnished (order AF1772R)
8	AA 6165 R	( - )	Bulb, 21 candlepower, 6-8-volt, single-contact (packed 10 in a pkg.) (C.E.)
•	<b>AA 6218</b> R	( - )	Bulb, 21 candlepower, 12-14-volt, single-contact (packed 10 in a pkg.) (elec.)
9	A 5275 R	( -, )	Lens, amber
10	R 2579 R	( - )	Grommet, on lead in cowl side (packed 5 in a pkg.) (sub. for B1580R)
11	A 2421 R	( - )	Clip, lead, on fender to cowl side screw (2 used)
12	AA 6219 R	( - )	Lead, wiring, warning lamp
13	A 5281 R	( - )	Tubing, on lead
14	AF 1772 R	<b>i</b> - j	Lamp, with lead, tubing, washer, and nuts
15	14H 849 R	( - )	Nut, jam, 7/16" (2 used) (sub. for 14H344R)
	24H 892 R	i - i	Washer, 17/32" x 1" x 10 gauge
16	A 2743 R	i - i	Washer, lamp
17	A 4125 R	( - )	Screw, special mach. (2 used) (packed 50 in a pkg.)
18	24H 930 R	i - i	Washer, 11/32" x 3/4" x 11 gauge (4 used)
19	12H 10 R	<i>i</i> - <i>i</i>	Washer, lock, 5/16" (2 used)
20	14H 785 R	( - )	Nut, 5/16" (2 used)
21	B 1727 R	<i>i</i> - <i>i</i>	Washer, bearing
22	D 2914 R	<b>i</b> - 5	Bracket

Part listed below is an assembly of parts in this grouping.

AR 1049 R ( - ) LAMP, IMPLEMENT WARNING (ON FENDER) (ATTACHMENT)

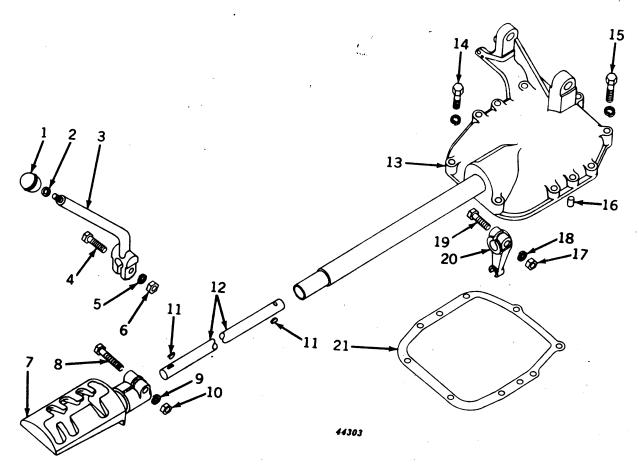
Capital letters indicate an attachment. Attachments must be listed on separate orders from replacement parts.

#### WARNING LAMP FLASHER



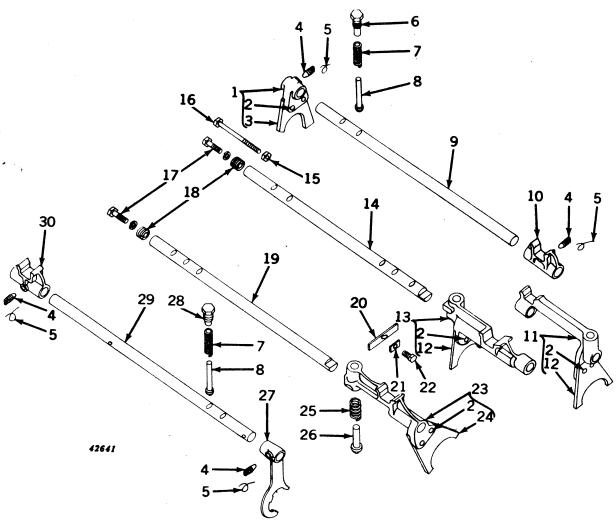
Kev	Part No.	Serial No.		Description
1	AR 21855 R	-	)	FLASHER, WARNING LAMP, WITH LEAD (6-VOLT) (ATTACHMENT)
	AR 21856 R	( -	)	FLASHER, WARNING LAMP, WITH LEAD (12-VOLT) (ATTACHMENT)
2	AA 6037 R	( -	)	Lead, wiring

### TRANSMISSION CASE COVER AND GEAR SHIFT



Key	Part No.	Serial No.	Description
1	AP 17808 H	( - )	Ball, gear shift lever
2	12H 11 R	( - )	Washer, lock, 3/8"
3	R 510 R	( - )	Lever, gear shift
2 3 4 5 6 7	19H 482 B	( - )	Bolt, mach., 1/2" x 2" (sub. for 7H795H)
5	12H 13 R	( - ).	Washer, lock, 1/2"
6	14H 809 T	( - )	Nut, 1/2" (sub. for 14H259R)
7	R 1426 R	( -8199999)	Quadrant, gear shift
	R 2548 R	(8200000-	Quadrant, gear shift
8	19H 506 H	( - )	Bolt, mach., 1/2" x 2-3/4" (sub. for 7H1496R)
8 9	12H 13 R	( - )	Washer, lock, 1/2"
10	14H 809 T	- ).	Nut, 1/2" (sub. for 14H259R)
11	26H 14 R	( - )	Key, Woodruff, 3/16" x 3/4" (2 used)
12	R 1425 R	( - )	Shaft, gear shift lever
13	AR 1157 R	( - )	Cover, R1423R, transmission case, with tube
14	F 2274 R	( - )	Screw, special cap (6 used)
	12H 11 R	.( - )	Washer, lock, 3/8" (6 used)
15	19H 1164 R	( - )	Screw, cap, 3/8" x 2-1/4" (2 used) (sub. for 19H257R)
	12F( 11 R	( - )	Washer, lock, 3/8" (2 used)
16	A 4879 R	( - )	Pin, dowel (2 used)
17	14H 809 T	( - )	Nut, 1/2" (sub. for 14H259R)
18	12H 13 R	( - )	Washer, lock, 1/2"
19	19H 482 B	( - )	Bolt, mach., 1/2" x 2" (sub. for 7H795H)
20	R 512 R	( -8199999)	Arm, gear shifter
	R 1955 R	(8200000-	Arm, gear shifter
21	R 1424 R	( - )	Gasket (packed 5 in a pkg.)

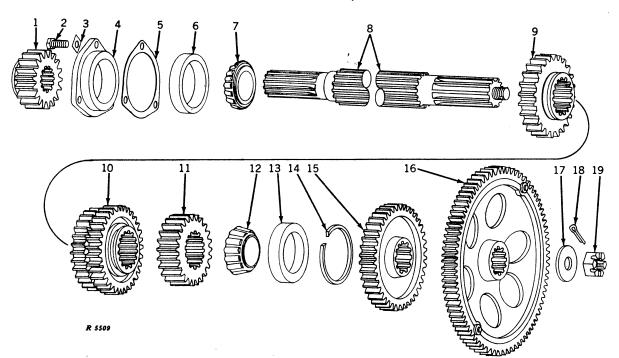
### GEAR SHIFT FORKS AND SHIFTER SHAFTS



Key         Part No.         Serial No.         Description           1         AR 1158 R         -         ) Arm, R1436R, first speed gear shifter, with yoke           2         16H 1346 A         -         ) Rivet, 3/8" x 1-1/4" (8 used)           3         R 1437 R         -         ) Yoke, first speed gear shifter arm           4         B 1914 R         -         ) Screw, special set (4 used)           5	
2 16H 1346 A ( - ) Rivet, 3/8" x 1-1/4" (8 used) 3 R 1437 R ( - ) Yoke, first speed gear shifter arm 4 B 1914 R ( - ) Screw, special set (4 used) 5	
3 R 1437 R ( - ) Yoke, first speed gear shifter arm 4 B 1914 R ( - ) Screw, special set (4 used) 5	
7 A 597 R ( - ) Spring (2 used) 8 A 598 R ( - ) Pawl (2 used) 9 R 1429 R ( - ) Shaft, first speed gear shifter 10 R 1432 R ( - ) Shifter, first speed gear 11 AR 1159 R ( - ) Shifter, R1433R, second speed and reverse gear, with yoke 12 R 1438 R ( - ) Yoke, second and reverse and third speed gear shifter (2 used) 13 AR 1160 R ( - ) Shifter, R1434R, third speed gear, with yoke 14 R 1430 R ( - ) Shaft, second and third speed gear shifter 15 14H 611 R ( - ) Nut, jam, 5/16" (sub. for 14H340H) 16 19H 1705 T ( - ) Screw, cap, 5/16" x 4-1/2" 17 F 2273 R ( - ) Screw, special cap (2 used) 12H 11 R ( - ) Washer, lock, 3/8" (2 used) 18 D 678 R ( - ) Screw, shifter shaft adjusting (2 used) 19 R 1431 R ( - ) Shaft, fourth and fifth speed gear shifter 20 R 1441 R ( - ) Plate, lock, shifter shaft 21 H 246 R ( - ) Plate, lock 22 F 2272 R ( - ) Screw, special cap 23 AR 1161 R ( - ) Shifter, R1435R, fourth and fifth speed gear, with yoke	
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13 AR 1160 R ( - ) Shifter, R1434R, third speed gear, with yoke 14 R 1430 R ( - ) Shaft, second and third speed gear shifter 15 14H 611 R ( - ) Nut, jam, 5/16" (sub. for 14H340H) 16 19H 1705 T ( - ) Screw, cap, 5/16" x 4-1/2" 17 F 2273 R ( - ) Screw, special cap (2 used) 12H 11 R ( - ) Washer, lock, 3/8" (2 used) 18 D 678 R ( - ) Screw, shifter shaft adjusting (2 used) 19 R 1431 R ( - ) Shaft, fourth and fifth speed gear shifter 20 R 1441 R ( - ) Plate, lock, shifter shaft 21 H 246 R ( - ) Plate, lock 22 F 2272 R ( - ) Screw, special cap 23 AR 1161 R ( - ) Shifter, R1435R, fourth and fifth speed gear, with yoke	1)
14 R 1430 R ( - ) Shaft, second and third speed gear shifter 15 14H 611 R ( - ) Nut, jam, 5/16" (sub. for 14H340H) 16 19H 1705 T ( - ) Screw, cap, 5/16" x 4-1/2" 17 F 2273 R ( - ) Screw, special cap (2 used) 12H 11 R ( - ) Washer, lock, 3/8" (2 used) 18 D 678 R ( - ) Screw, shifter shaft adjusting (2 used) 19 R 1431 R ( - ) Shaft, fourth and fifth speed gear shifter 20 R 1441 R ( - ) Plate, lock, shifter shaft 21 H 246 R ( - ) Plate, lock 22 F 2272 R ( - ) Screw, special cap 23 AR 1161 R ( - ) Shifter, R1435R, fourth and fifth speed gear, with yoke	,
15 14H 611 R ( - ) Nut, jam, 5/16" (sub. for 14H340H) 16 19H 1705 T ( - ) Screw, cap, 5/16" x 4-1/2" 17 F 2273 R ( - ) Screw, special cap (2 used) 12H 11 R ( - ) Washer, lock, 3/8" (2 used) 18 D 678 R ( - ) Screw, shifter shaft adjusting (2 used) 19 R 1431 R ( - ) Shaft, fourth and fifth speed gear shifter 20 R 1441 R ( - ) Plate, lock, shifter shaft 21 H 246 R ( - ) Plate, lock 22 F 2272 R ( - ) Screw, special cap 23 AR 1161 R ( - ) Shifter, R1435R, fourth and fifth speed gear, with yoke	
16	
17 F 2273 R ( - ) Screw, special cap (2 used) 12H 11 R ( - ) Washer, lock, 3/8" (2 used) 18 D 678 R ( - ) Screw, shifter shaft adjusting (2 used) 19 R 1431 R ( - ) Shaft, fourth and fifth speed gear shifter 20 R 1441 R ( - ) Plate, lock, shifter shaft 21 H 246 R ( - ) Plate, lock 22 F 2272 R ( - ) Screw, special cap 23 AR 1161 R ( - ) Shifter, R1435R, fourth and fifth speed gear, with yoke	
12H 11 R ( - ) Washer, lock, 3/8" (2 used)  18 D 678 R ( - ) Screw, shifter shaft adjusting (2 used)  19 R 1431 R ( - ) Shaft, fourth and fifth speed gear shifter  20 R 1441 R ( - ) Plate, lock, shifter shaft  21 H 246 R ( - ) Plate, lock  22 F 2272 R ( - ) Screw, special cap  23 AR 1161 R ( - ) Shifter, R1435R, fourth and fifth speed gear, with yoke	
18       D       678 R       ( - )       Screw, shifter shaft adjusting (2 used)         19       R       1431 R       ( - )       Shaft, fourth and fifth speed gear shifter         20       R       1441 R       ( - )       Plate, lock, shifter shaft         21       H       246 R       ( - )       Plate, lock         22       F       2272 R       ( - )       Screw, special cap         23       AR       1161 R       ( - )       Shifter, R1435R, fourth and fifth speed gear, with yoke	
19 R 1431 R ( - ) Shaft, fourth and fifth speed gear shifter 20 R 1441 R ( - ) Plate, lock, shifter shaft 21 H 246 R ( - ) Plate, lock 22 F 2272 R ( - ) Screw, special cap 23 AR 1161 R ( - ) Shifter, R1435R, fourth and fifth speed gear, with yoke	
20 R 1441 R ( - ) Plate, lock, shifter shaft 21 H 246 R ( - ) Plate, lock 22 F 2272 R ( - ) Screw, special cap 23 AR 1161 R ( - ) Shifter, R1435R, fourth and fifth speed gear, with yoke	
22 F 2272 R ( - ) Screw, special cap 23 AR 1161 R ( - ) Shifter, R1435R, fourth and fifth speed gear, with yoke	
23 AR 1161 R ( - ) Shifter, R1435R, fourth and fifth speed gear, with yoke	
24 R 1439 R ( - ) Yoke, fourth and fifth speed gear shifter	
25 B 374 R ( - ) Spring, gear shifter pawl (3 used)	
26 R 526 R ( - ) Pawl, gear shifter (3 used)	
27 R 527 R ( - ) Fork, sixth speed gear shifter	
28 F 625 R ( - ) Retainer, sixth speed gear shifter pawl	
29 R 1886 R ( - ) Shaft, sixth speed gear shifter	
30 R 1256 R ( - ) Shaft, sixth speed gear	

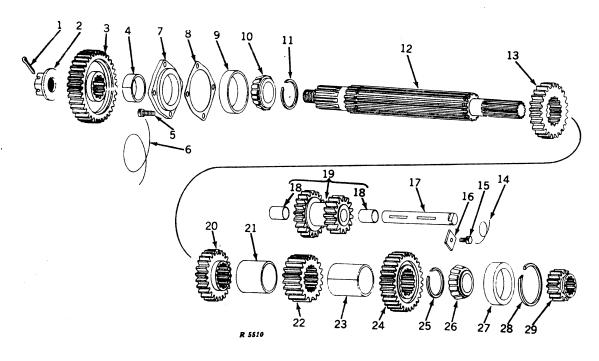
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## SLIDING GEAR SHAFT ASSEMBLY (Transmission)



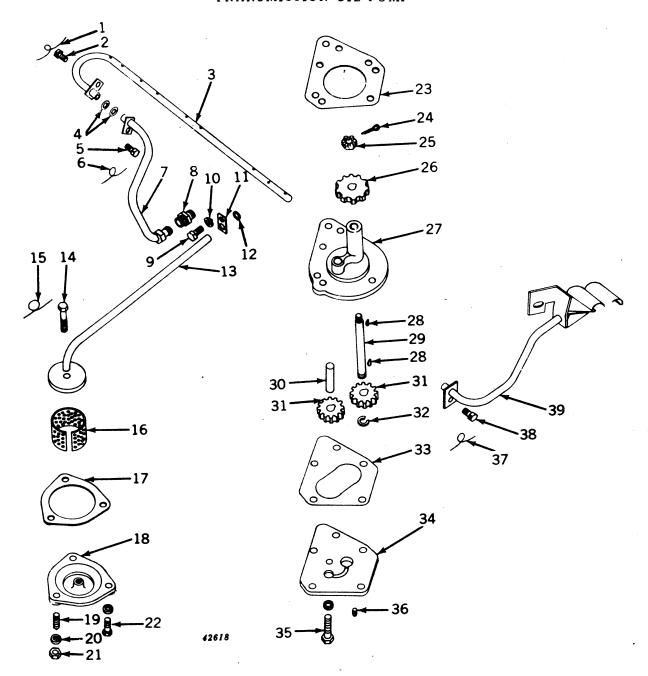
Key	Pa	art No.	Serial No.	Description
1	R	1494 R	( - )	Pinion, first speed sliding (18 teeth)
	R	1506 R	( - )	Pinion, first speed sliding creeper (16 teeth)
2	19H	337 N	( - )	Screw, cap, 7/16" x 1-1/4" (3 used)
2 3	Α	4605 R	( - )	Plate, lock (3 used)
4	R	1497 R	( -8199999)	Retainer, sliding gear shaft bearing, L.H.
	R	2517 R	(8200000-	Retainer, sliding gear shaft bearing, L. H.
5	R	1498 R	( - )	Shim (steel) . 006"
6	JD	7272 R	( -8199999)	Cup, bearing
	ĴD	8235 R	(8200000- )	Cup, bearing
7	ĴD	7359 H	(8200000- )	Cone, with rollers
	ĴD	7365 R	( -8199999)	Cone, with rollers
8	AR	1183 R	( -8199999)	Shaft, sliding gear, with nut
	AR	1527 R	(8200000- )	Shaft, sliding gear, with nut
9	R	1495 R	( - )	Pinion, third speed sliding (25 teeth)
10	R	1496 R	( - )	Pinion, fourth and fifth speed sliding (28 and 31 teeth)
11	R	96 R	( - )	Pinion, second speed sliding (23 teeth)
12	JD	8140 R	( - j	Cone, with rollers
13	JD	7444 R	( - )	Cup, bearing
14	R	81 R	( - )	Snap ring
15	R	101 R	( - )	Gear, sixth speed drive (42 teeth)
16	AR	874 R	( - j	Gear, sliding gear shaft drive, with R104R spider
17	R	105 R	( - )´.	Washer
18	11H	218 R	( - )	Pin, cotter, 3/16" x 1-1/2" (sub. for 11H84R)
19	В	1916 R	( - )	Nut, slotted

## COUNTERSHAFT ASSEMBLY AND REVERSE GEAR (Transmission)



Key	P	art No.	Serial No.		Description
1	11H	249 R	( -	)	Pin, cotter, 1/4" x 2" (sub. for 11H117R)
2 3	Α	76 R	( -	)	Nut
3	R	1482 R	( . <del>-</del>	)	Gear, countershaft first speed (34 teeth)
	R	1505 R	( <u>-</u>	)	Gear, countershaft first speed creeper (41 teeth)
4	AR	1178 R	( -	j	Spacer, countershaft first speed gear
5	Α	310 R	( -	)	Screw, cap, 7/16" x 1-1/4" (drilled) (4 used)
6			( -	j	Wire, 16 gauge x 18" long
7	R	1491 R	( -	)	Retainer, countershaft bearing, L. H.
8	R	1503 R	( -	)	Shim (steel), ,006"
	R	92 R	( -	)	Shim (steel), .018"
9	JD	7446 R	( -	)	Cup, bearing
10	ĴD	8193 R	· ( -	)	Cone, with rollers
11	R	80 R	.( -	)	Snap ring
12	AR	1177 R	( -	)	Countershaft, with nut
13	R	1484 R	( -	)	Gear, countershaft third speed (25 teeth)
14			( -	)	Wire, 16 gauge x 5" long
15	D	916 R	( -	)	Screw, cap, 3/8" x 3/4", drilled
16	H	151 R	( -	)	Plate, lock
17	R	35 R	( -	)	Shaft, reverse gear
18	R	34 R	( -	)	Bushing (2 used)
19	AR	890 R	<b>(</b> -	)	Gear, reverse, with bushing
20	R	1485 R	<b>(</b> -	)	Gear, countershaft fourth speed (23 teeth)
21	AR	1181 R	( -	)	Spacer, countershaft fourth and differential pinion
22	R	1492 R	( -	)	Pinion, differential drive (20 teeth)
23	AR	1179 R	( -	)	Spacer, countershaft second and differential pinion
24	R	1483 R	( -	)	Gear, countershaft second speed (28 teeth)
25	R	80 R	( -	)	Snap ring
26	JD	8138 R	( -	j	Cone, with rollers
27	ĴD	7444 R	( -	)	Cup, bearing
<b>2</b> 8	R	81 R	( -	)	Snap ring
29	R	102 R	· -	)	Pinion, sixth speed sliding

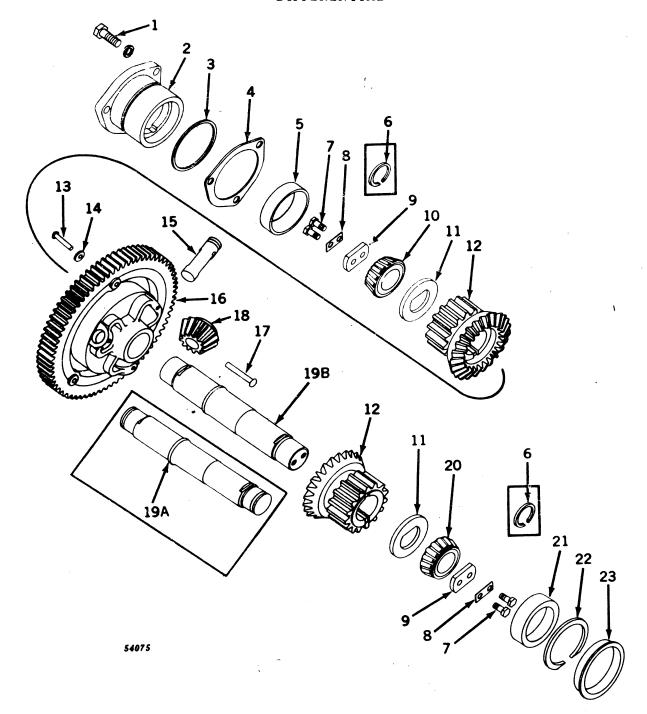
### TRANSMISSION OIL PUMP



### TRANSMISSION OIL PUMP -- Continued

Key	Part No.	Serial No.	Description
1		( ~ )	Wire, 16 gauge x 5" long
2	R 2507 R	( - )	Screw, cap, 5/16" x 1/2", drilled
3	AR 1107 R	( ~ )	Pipe, transmission oil, with plate
4	R 394 R	( ~ )	Packing, O-ring (2 used)
5 6	R 2507 R	( - )	Screw, cap, 5/16" x 1/2", drilled
6		( - )	Wire, 16 gauge x 5" long
7	AR 1106 R	( - )	Pipe, transmission oil pump discharge
8	D 2440 R	( - )	Connector
9	19H 99 R	( - )	Screw, special cap, 5/16" x 9/16"
10	12H 291 R	( - )	Washer, lock (snakeproof) (sub. for A3546R)
11	R 395 R	( - )	Plate, O-ring packing, retaining
12	R 394 R	( - )	Packing, O-ring
13 .	AR 437 R	( - )	Pipe, transmission oil pump intake
14	R 393 R	( - )	Screw, cap, 5/16" x 2-1/4", drilled
15		( - )	Wire, 16 gauge x 5" long
16	R 390 R	( - )	Screen, transmission oil sump
17	R 396 R	( - )	Gasket (packed 2 in a pkg.)
18	R 389 R	( - )	Cover, transmission oil sump
19	C 2175 R	( - )	Stud, 3/8" x 1-11/16"
20	12H 11 R	( - )	Washer, lock, 3/8"
21	14H 812 C	· ( - )	Nut, 3/8" (sub. for 14H255R)
22	F 2273 R	( - )	Screw, special cap (2 used)
	12H 11 R	· - )	Washer, lock, 3/8" (2 used)
23	R 1058 R	( - )	Gasket (packed 2 in a pkg.)
24	11H 236 R	· - )	Pin, cotter, 1/8" x 1" (sub. for 11H41R)
25	14H 524 R	( - )	Nut, slotted, 1/2"
26	R 190 R	· - )	Gear, transmission oil pump drive
27	R 1054 R	· - ·	Body, transmission oil pump
28	26H 70 R	· - )	Key, Woodruff, 1/8" x 1/2" (2 used)
29	R 1055 R	· - ·	Shaft, transmission oil pump drive
30	R 400 R	· - · ·	Shaft, transmission oil pump idler gear
31	AR 881 R	· - ·	Gear, R398R, transmission oil pump (pkg. of 2) (1 pkg. used)
32	B 387 R	· - · ·	Snap ring (packed 5 in a pkg.)
33	R 1057 R	· - i	Gasket (packed 5 in a pkg.)
34	R 1056 R	· - · ·	Cover, transmission oil pump
35	19H 1092 M	· - ·	Screw, cap, 7/16" x 2-1/4" (5 used) (sub. for 19H363R)
-	12H 12 R	· - ·	Washer, lock, 7/16" (5 used)
36	15H 253 R	i - i	Plug, pipe, 1/8"
37		· - · ·	Wire, 16 gauge x 5" long
38	R 2507 R	· - · ·	Screw, cap, 5/16" x 1/2", drilled
39	AR 1000 R	·	Pipe, transmission oil return
33		,	• *

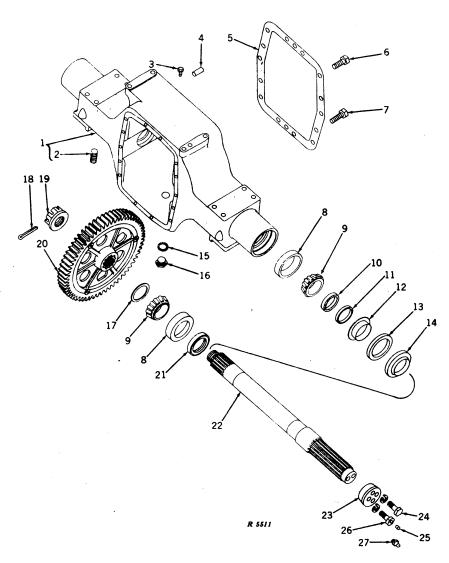
### DIFFERENTIAL



### DIFFERENTIAL -- Continued

Key	Pa	rt No.	Serial No.	Description
1		1356 R	( ~ )	Screw, cap, 5/8" x 1-3/4" (3 used)
•	12H	15 R	· - )	Washer, lock, 5/8" (3 used)
2	R	1397 R	( -81393 <b>99</b> )	Housing, differential bearing, L.H.
-	R	2501 R	(8200000- )	Housing, differential bearing, L.H.
3	R	1401 R	` - ` `	Packing (packed 5 in a pkg.)
4	R	1398 R	· -	Shim (steel), .005"
<b>4</b> 5	JD	8229 R	· - )	Cup, bearing
6	R	71 R	( -8199999)	Snap ring, .113"115" thick
7	19H		(8200000-	Screw, cap, 7/16" x 1" (4 used)
8	R	2529 R	(8200000- )	Plate, lock (2 used)
8	R	2528 R	(8200000- )	Retainer, differential bearing (2 used)
10	JD	8136 R	( - j	Cone, with rollers
11	R	68 R	( - )	Washer, thrust (2 used)
12	R	1147 R	( -8199999j	Gear, differential bevel, and spur pinion (2 used) (sub. R2567R)
	R	2567 R	(8200000-	Gear, differential bevel, and spur pinion (2 used)
13	16H	1152 A	( - )	Rivet, 5/16" x 1-7/8" (3 used)
14	R	31 R	( - )	Washer (6 used)
15	R	1912 R	( - )	Shaft, differential bevel pinion (3 used)
16	AR	1149 R	( - )	Gear, differential, with R1395R spider
17	16H	1422 H	( - )	Rivet, 3/8" x 3" (3 used)
18	R	66 R	( - )	Pinion, differential bevel (3 used)
19A	R	1396 R	( -8199999)	Shaft, differential (sub. one R2527R, two R2528R and two R2529R)
19B	R	2527 R	(8200000-	Shaft, differential
20	ID	8136 R	( - )	Cone, with rollers
21	ĴD	8229 R	( - )	Cup, bearing
22	Ċ	1919 R	( - )	Snap ring
23	R	77 R	( - )	Cover, bearing

### FINAL DRIVE, HOUSING, AND REAR AXLE SHAFTS



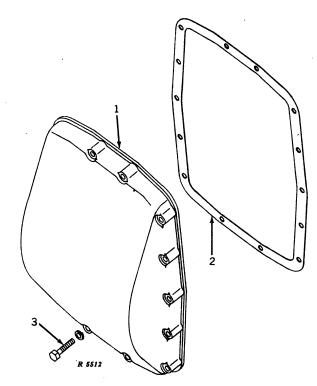
Key	Part No.	Serial No.	Description
1	AR 1378 R	( -8199999)	Housing, R1366R, with studs
	AR 20642 R	(8200000-	Housing, R20530R, with studs and pins (sub. for AR1533R)
	AR 20039 R*	( - )	Housing, R20050R, with studs and pins
2	A 2158 R	( - )	Stud, $7/8" \times 3-1/8"$ (6 used)
3	22H 688 R*	( - )	Screw, special set (4 used)
<b>4</b> 5	R 27314 R	( - )	Pin, dowel (2 used) (sub. for A776R)
5	R 1367 R	· ( - ) ·	Gasket (packed 5 in a pkg.)
6	19H 1374 R	( - )	Screw, special cap, 3/4" x 2" (6 used)
7	19H 1405 R	( - )	Screw, cap, 3/4" 2-1/2" (8 used)
8	JD 7448 R	. ( - )	Cup, bearing (4 used)
	JD 8242 R*	· ( - )	Cup, bearing (4 used)
9	JD 8112 R	( - )	Cone, with rollers (4 used)
	JD 8909 R*	( - )	Cone, with rollers (4 used)
10	R 28 R	( - )	Spacer (2 used)
11	R 20061 R*	( - )	Adapter (2 used)
12	F 787 R	( - )	Retainer, felt, inner (2 used)
13	D 2455 R	( - )	Washer, felt (2 used)
14	F 786 R	( - )	Retainer, felt, outer (2 used)
15	H 356 R	( - )	Washer

#### FINAL DRIVE, HOUSING, AND REAR AXLE SHAFTS -- Continued

Key	Part No.	Serial No.	Description
<b>1</b> 6	R 1866 R	( -8205259)	Plug, drain
	R 20168 R	(8205260- )	Plug, drain
17	R 2545 R	(8200000- )	Washer, thrust (2 used)
18	11H 252 R	( - )	Pin, cotter, 1/4" x 3-1/2" (2 used) (sub. for 11H126R)
19	R 27 R	( - )	Nut (2 used)
20	AR 818 R	( -8219999)	Gear, final drive, with R30R spider (2 used) (sub. AR1549R and 2545R)
	AR 1549 R	(8200000- )	Gear, final drive, with R2544R spider (2 used)
21	AF 316 R	( - )	Seal, oil (2 used)
22	AR 1136 R	( - )	Shaft, rear axle, with nut
	AR 21962 R*	( - )	Shaft, rear axle, with nut
23	R 14 R	( - )	Retainer, drive wheel (2 used)
24	19H 1391 R	( - )	Screw, special cap, $3/4$ " x 2-1/4" (2 used)
	12H 17 R	( - )	Washer, lock, 3/4" (2 used)
25	15H <b>25</b> 3 R	( - )	Plug, pipe, 1/8" (2 used)
<b>2</b> 6	R 1168 R	( - )	Screw, special cap (2 used)
	12H 17 R	( - )	Washer, lock, 3/4" (2 used)
27	JD 7759	( - )	Fitting, grease (2 used) (rice field tractors)

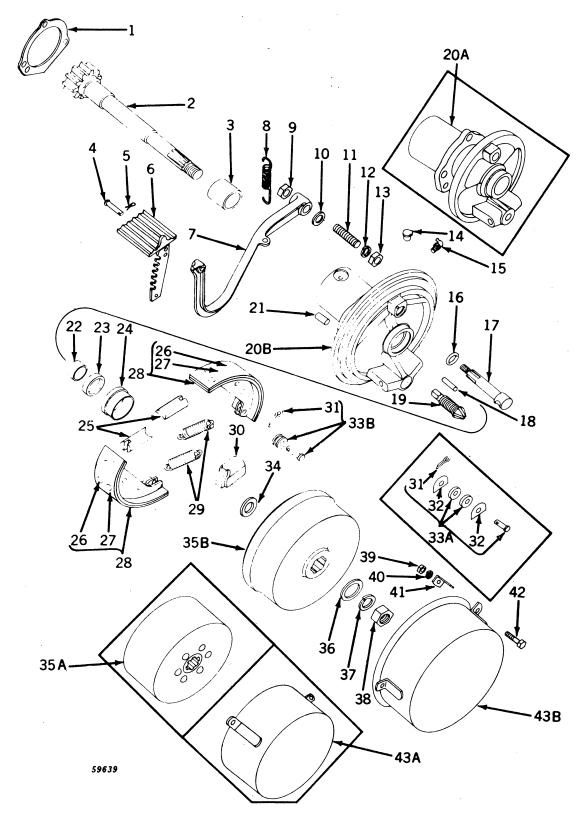
\*Parts for heavy-duty equipment and 830-I.

### REAR AXLE HOUSING COVER (Tractors, Less Powr-Trol and Power Shaft)



Key	Part No.		Serial No.			Description
1	R	300 R	(	-	)	Cover
2	R	301 R	į (	-	)	Gasket (packed 5 in a pkg.)
3	19H	256 R	į (	-	)	Screw, cap, 3/8" x 2" (14 used)
	12H	11 R	(	-	)	Washer, lock, 3/8" (14 used)

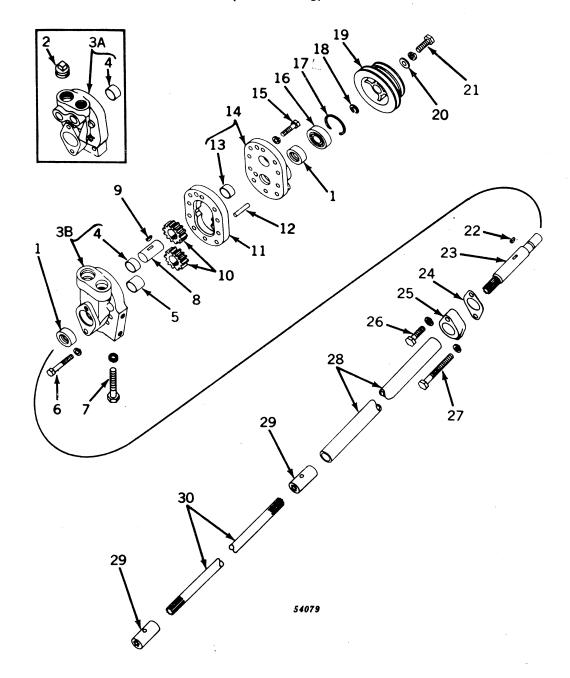
#### BRAKES



### BRAKES -- Continued

Key	Part No.	Serial No.	Description
1	R 498 R	( - )	Gasket (packed 5 in a pkg.)
2	AR 486 R AR 1586 R	( -8199999) (8200000- )	Shaft, brake, with nut Shaft, brake, with nut
3	F 1526 R	( -8199999)	Bushing, inner
4	F 2801 R A 986 R	(8200000-	Bushing, inner
5	A 986 R 11H <b>23</b> 3 R	-	Rivet, drilled Pin, cotter, 3/32" x 1/2" (sub. for 11H18R)
6	AR 1116 R	( -8203099)	Pedal, brake, with latch, R.H. (sub. AR1866R)
	AR 1866 R AR 1117 R	(8203100-	Pedal, R2742R, brake, with latch, R.H.
7	R 496 R	( -8199999)	Pedal, brake, with latch, L.H. Lever, brake, R.H. (sub. R2575R)
	R 2575 R	(8200000- )	Lever, brake, R.H.
	R 497 R R 2576 R	( -8199999) (8200000- )	Lever, brake, L.H. (sub. R2576R) Lever, brake, L.H.
8	H 449 R	( -8199999)	Spring, brake lever
9	R 2577 R	(8200000-	Spring
10	14H 800 R 24H 56 R	} - }	Nut, 5/8" Washer, 29/32" x 1-1/2" x 20 gauge (2 used)
11	A 5292 R	( - )	Stud, 5/8" x 2-1/4" (3 used) (packed 25 in a pkg.)
12 13	12H 15 R	( - )	Washer, lock, 5/8" (3 used)
14	14H 800 R AA 811 R	( -8199999) ( -8199999)	Nut, 5/8" (3 used) Cup, oiler
15	JD 7778	( -8199999)	Fitting, grease (tractors with rice field brakes)
16	JD 7778 R 495 R	(8200000-	Fitting, grease
17	A 152 R	- }	Packing, O-ring (packed 10 in a pkg.) Shaft, lever
18	H 826 R	( -8203099)	Pin, dowel, brake cam stop
19 <b>20</b> A	A 151 R AR 1114 R	( - ) ( -8199999)	Screw, adjusting
LON	AR 1220 R	( -8199999)	Housing, R1314R, brake, with bushing and oiler, R.H. Housing, R1598R, brake, with bushing and oiler, R.H. (tractors
	4D 4445 D		with rice field brakes)
	AR 1115 R AR 1221 R	( -8199999) ( -8199999)	Housing, R1315R, brake, with bushing and oiler, L.H. Housing, R1599R, brake, with bushing and oiler, L.H. (tractors
		( 0133333)	with rice field brakes)
20B	AR 1588 R	(8200000-8203099)	Housing, R2570R, R2571R or R2578R, brake, with bushings,
	AR 1834 R	(8203100-)	guard, and dowel pin (2 used) (sub. AR1834R) Housing, R2722R, R2723R, or R2724R, brake, with bushings
		,	and guard
21 22	A 120 R A 1163 R	( - ) ( -8199999)	Pin, dowel
	R 2607 R	(8200000-	Bushing, outer Bushing, outer
23	AR 1587 R	(8200000-	Seal, oil
24	A 510 R R 2572 R	( -8199999) (8200000- )	Guard, dust, inner Guard, dust, inner (not furnished)
25	A 134 R	( - )	Pin, adjusting (2 used)
<b>2</b> 6	D 2309 R	( - )	Rivet, brass, 3/16" x 5/16" (10 used) (packed 100 in a pkg.)
27	AR 604 R AF <b>28</b> 66 R	( -8199999) (8200000- )	Lining (set of four linings and forty rivets) Lining (set of four linings and forty rivets)
28	AR 483 R	( -819999 <b>9</b> )	Shoe, with lining (2 used)
29	AF 2789 R R 21753 R	(8200000-	Shoe, with lining (2 used)
30	R 21753 R A 321 R	- }	Spring (2 used) (sub. for A348R) Cam
31	11H 211 R	· - )	Pin, cotter, 1/8" x 3/4" (2 used) (sub. for 11H38R)
3 <b>2</b> 33A	A 2299 R AA 4837 R	( -8199999) ( -8199999)	Washer (4 used)  Pins (two) with rollow and washers
33B	AF 2867 R	(8200000-	Pins (two), with rollers and washers Pins (two), with rollers
34	24H 77 R	-8199999)	Washer, 1-5/8" x 2-3/32" x 20 gauge (2 used)
35A	24H 1097 R AR 482 R	(8200000- ( -8199999)	Washer Drum, brake, with hub
0011	F 154 R	( -8199999)	Guard, dust, outer
3 50	16H 1339 A	(8200000)	Rivet, drum to hub, 3/8" x 1-1/8", R. I. O. H. (6 used)
35B 36	R 2573 R D 136 R	(8200000- )	Drum, brake Washer
	R 105 R	(8200000-	Washer
37 38	12H 21 R 14H 655 R	( - )	Washer, lock, 1"
39	14H 785 R	( - )	Nut, jam, 1" Nut, 5/16" (3 used) (tractors with rice field brakes)
40	12H 10 R	· ( - )	Washer, lock, 5/16" (3 used) (tractors with rice field brakes)
4 <b>1</b> 42	R 1210 R 19H 1096 H	( - )	Clip (3 used) (tractors with rice field brakes)  Screw, cap, high-strength, 5/16" x 1-1/2" (3 used) (tractors with
		- 1	rice field brakes (sub. for 19H130R)
43A	AR 992 R AR 1566 R	( -8199999) (8200000-8203099)	Cover, beet, with brackets (tractors with rice field brakes)
43B	AR 1838 R	(8203100-	Cover, brake, with brackets (tractors with rice field brakes) Cover, brake, with brackets (tractors with rice field brakes)
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## FRONT FAN DRIVE AND POWER STEERING PUMP (Power Steering)

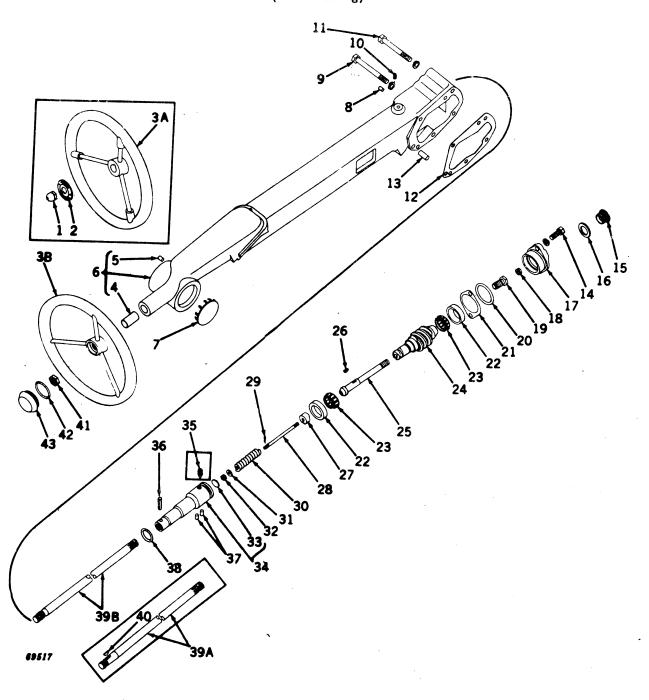


#### FRONT FAN DRIVE AND POWER STEERING PUMP -- Continued (Power Steering)

Key	P	art No.		Serial No.	Description
1	AF	19 <b>2</b> 5 R	(	)	Seal, oil (sub. two AR21900R oil seals in cover) (sub. two
2	15H	237 R	1	-8199999)	AR21900R oil seals and one R21720R spacer in housing)
3 <b>A</b>	AR	1239 R	}	-8199999)	Plug, pipe, 1/2" (2 used)
311	7111	1235 10	`	-0133333)	Housing, R1502R, steering pump, with bushings (sub. AR1590R and AR1591R)
3B	AR	1590 R	(820	0000-	Housing, R2580 R, steering pump, with bushings
4	F	1747 R	Ì	- Ś	Bushing
5	Α	4130 R	į	<b>-</b> )	Bushing
6	19H	1164 R	(	- j	Screw, cap, high-strength, 3/8" x 2-1/4" (4 used) (sub. for 19H257H)
	12H	11 R	(	-8199999)	Washer, lock, 3/8" (4 used)
7	19H	1192 N	į	- Ś	Screw, cap, high-strength, 3/8" x 3" (2 used) (sub. for 19H277R)
	12H	11 R	į	-8199999)	Washer, lock, 3/8" (2 used)
8	F	1685 R	į (	- Ś	Shaft, steering pump gear
9	26H	70 R	į (	- j	Key, Woodruff, 1/8" x 1/2"
10	AF	1329 R	(	- j	Gear, steering pump (set of two F1684R) (one set used)
11	F	2324 R	į (	- j	Body, steering pump
12	R	1800 R	į (	- j	Pin (2 used)
13	F	1747 R	į	- j	Bushing
14	AF	2338 R	Ì	- j	Cover F2313R steering pump, with bushing
15	19H	246 T	(	- j	Screw, cap, high-strength, 3/8" x 1-3/4" (5 used) (sub. for F2274R)
	12H	11 R	(	-8199999)	Washer, lock, 3/8" (5 used)
16	JD	7142 R	į	- Ś	Bearing
17	Ď	398 R	ì	- j	Snap ring
18	Α	369 R	i	- j	Snap ring (packed 10 in a pkg.)
19	R	1557 R	į	- j	Pulley, fan and water pump drive (packed 10 in a pkg.)
20	24H	550 R	į	- j	Washer, 13/32" x 1-1/16" x 11 gauge
21	19H	218 N	į	- j	Screw, cap, high-strength, 3/8" x 1" (sub. for 19H211R)
	12H	11 R	į	- j	Washer, lock, 3/8"
22	26H	70 R	Ì	- j	Key, Woodruff, 1/8" x 1/2"
23	R	1593 R	Ċ	- j	Shaft, steering pump
24	F	1667 R	į	- j	Gasket (packed 2 in a pkg.)
25	F	1666 R	į	- j	Flange, steering pump
26	19H	246 T	į (	- )	Screw, cap, high-strength, 3/8" x 1-3/4" (sub. for F2274R)
	12H	11 R	į	-8199999)	Washer, lock, 3/8"
27	19H	1697 R	į (	- j	Screw, cap, 3/8" x 4" (sub. for 19H292T)
	12H	11 R	į (	-8199999)	Washer, lock, 3/8"
28	R	1686 R	ĺ	- j	Tube, fan drive shaft
29	ΑF	1902 R	(	<b>-</b> )	Coupling (2 used)
30	R	1749 R	(	- )	Shaft, fan drive coupling

(Part listed below is an assembly of most of the parts listed above)
AR 1238 R (8200000- ) Pump, steering, complete

# STEERING WHEEL, SHAFT, AND WORM (Power Steering)



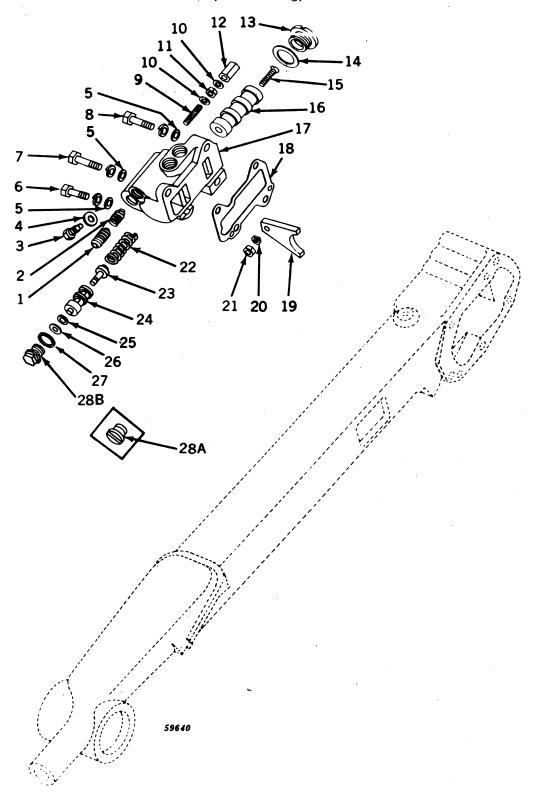
### STEERING WHEEL, SHAFT, AND WORM -- Continued (Power Steering)

```
Key
          Part No.
                               Serial No.
                                                                 Description
        F
              1745 R
                                    -8203099)
                                                  Nut, cap
 2
       F
              1744 R
                                    -8203099)
                                                  Emblem, power steering
 3A
                                    -8203099)
        AA
              380 R
                                                  Wheel, steering
 3B
        AF
              3856 R
                          (8203100-
                                                  Wheel, steering
 4
                37 R
        В
                                                 Bushing
 5
        R
               726 R
                                                  Pin, dowel
                                   -8205349)
             1236 R
                                                  Housing, R1740R, steering shaft and worm, with bushing and
        AR
                                                    pin (sub. AR20250R)
        AR 20250 R
                          (8205350-8299999)
                                                  Housing, R20213R, steering shaft and worm, with bushing,
                                                    pin and plug
                                                 Housing, R20353R, steering shaft and worm, with bushing,
        AR 20486 R
                          (8300000-
                                                    pin and plug
 7
        R
             1680 R
                                                 Plug, button, speed control opening
 8
        F
              1743 R
                                                  Pin, dowel (2 used) (sub. for D186R)
 9
        19H
             1258 T
                                                  Screw, cap, high-strength, 1/2" x 4-3/4" (3 used) (sub. for 19H537R)
        12H
                13 R
                                                  Washer, lock, 1/2" (3 used)
                                                 Plug, pipe, 3/8"
10
              255 R
                                   -8205349)
        15H
11
        19H
             1195 E
                                                  Screw, cap, high-strength, 1/2" x 4-1/4" (sub. for 19H531R)
        12H
                                                  Washer, lock, 1/2"
                13 R
12
       R
             1635 R
                                                  Shim, rubber (packed 10 in a pkg.)
                                                  Shim, .005" paper (used as required) (packed 5 in a pkg.)
             1928 R
       R
13
              120 R
                                                 Pin, dowel (2 used)
                                                  Screw, cap, high-strength, 1/2" x 1-1/4" (2 used) (sub. for
       19H 1131 N
14
                                                    19H448R)
               13 R
        12H
                                                 Washer, lock, 1/2" (2 used)
            20214 R
15
                          (8205350-
                                                 Plug
16
       F
             1734 R
                          (8205350-
                                                  Gasket (packed 2 in a pkg.)
                                   -8205349)
                                                 Housing, bearing
Housing, bearing
17
       R
             1634 R
                          (8205350-
       R
            20212 R
18
       R
            20162 R
                          (8205350-
                                                  Screw, thru socket set
19
            20161 R
                          (8205350-
                                                 Bushing, adjusting
       R
20
       F
             1649 R
                                                 Packing, O-ring (packed 5 in a pkg.)
                                                  Shim (steel) (packed 5 in a pkg.)
21
       F
             1648 R
22
       JD
             7253 R
                                                  Cup, bearing (2 used)
             8172 R
23
       JD
                                                  Cone, with rollers (2 used)
                                                 Worm, steering (sub. one R1922R and one R1923R)
                                   -8002834)
24
       R
             1737 R
                          (8002835-8205349)
       R
             1923 R
                                                 Worm, steering
       R 20210 R
                          (8205350-
                                                 Worm, steering
                                                 Shaft, steering worm Key, Woodruff
25
       R
            20211 R
                          (8205350-
26
       26H
               72 R
                          (8205350-
             1719 R
                                   -8205349)
27
       F
                                                 Cam, steering worm
                          (8205350-
       R
            20165 R
                                                 Cam, steering, worm
28
       F
             2334 R
                                                 Rod, steering worm cam
                                                 Pin, cotter, 3/32" x 1/2" (sub. for 11H18R)
29
       11H
              233 R
30
       F
             2335 R
                                                 Spring
                                                 Washer, 21/64" x 3/4" x 20 gauge (2 used)
Washer, 21/64" x 3/4" x 16 gauge (2 used)
31
       24H
               39 R
        24H
              143 R
                                                 Nut, slotted, 5/16"
32
        14H
              511 R
                                                 Plug, expansion, 1"
33
        30H
                13 R
                                                  Sleeve, steering valve actuating, with pins
       AF
             1938 R
                                   -8205349)
34
            20168 R
                          (8205350-
                                                  Sleeve, steering valve actuating, with pins
        AR
                                                 Screw, special set (sub. for F1717R and F3359R)
                                   -82053491
35
       R
            20913 R
        34H
                                                 Pin, roll
36
              103 H
                          (8001690-
                                                 Wire in roll pin
             1743 R
                                   -8205349)
                                                 Pin (2 used)
37
       F
                                                 Pin (2 used)
                          (8205350-
            20164 R
       R
38
       R
             1138 R
                                                 Packing, O-ring (packed 5 in a pkg.)
                                                 Shaft, steering, with nut
Shaft, steering, with nut
                                   -82030991
39A
       AR
             1371 R
39B
        AR
             1881 R
                          (8203100-
                17 R
                                    -8203099)
                                                  Key, Woodruff, 3/16" x 7/8"
40
        26H
                                                 Nut, jam, 3/4"
                          (8203100-
41
        14H
              798 R
                                                 Packing, O-ring (packed 2 in a pkg.)
             3690 R
                          (8203100-
42
       В
        F
             3629 R
                          (8203100-
                                                  Emblem, power steering
43
```

Part listed below is an assembly of some of the parts in this grouping.

AR 21670 R ( -8205349) Kit, service, power steering adjustable helix (on 8000001-8199999, also furnish R1922R steering gear, if not previously installed)

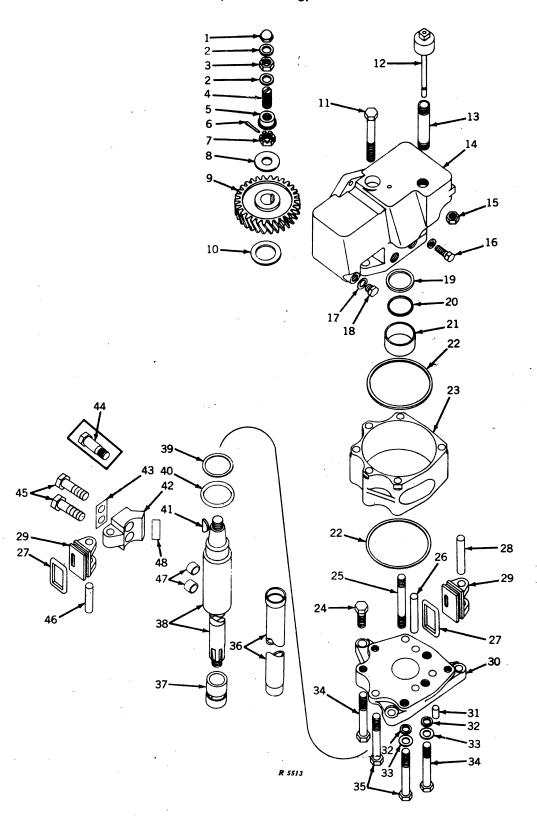
#### STEERING VALVE (Power Steering)



## STEERING VALVE -- Continued (Power Steering)

Key	Part No	i_	Serial No.	Description
1	F 1739		( - )	Valve, flow control
ີ້	F 1740		i ~ j	Spring
3	F 2372		· - )	Screw, special, steering flow control valve stop
4	R 463		i - j	Washer (copper) (packed 10 in a pkg.)
5	24H 454		· - · · · · ·	Washer, 13/32" x 11/16" x 12 gauge (4 used)
6		BN	· - )	Screw, cap, high-strength, 3/8" x 1" (sub. for 19H211R)
·		1 R	ì - j	Washer, lock, 3/8"
7	F 2274		· - )	Screw, special cap
•	_	1 R	· - 5	Washer, lock, 3/8"
8	19H 1116		· - )	Screw, cap, high-strength, 3/8" x 1-1/2" (2 used) (subfor 19H230H)
	12H 1:	1 R	( - )	Washer, lock, 3/8"
9	F 174	1 R	( - )	Screw, adjusting
10	A 3098		( -8000774)	Washer (2 used) (packed 5 in a pkg.)
	A 5364		(8000775- )	Washer (2 used) (packed 5 in a pkg.)
11		2 R	( - )	Nut, jam, 3/8" (sub. for 14H342R)
12		7 R	( - )	Nut, cap (packed 10 in a pkg.)
13	F 1733	3 R	( -8205349)	Plug (sub. R20214R)
	R 20214	4 R	(8205350-	Plug
14	F 1734	4 R	( - )	Gasket (packed 5 in a pkg.)
15	21H 706	5 H	( - )	Screw, mach., 5/16" x 1-1/4"
16	F 1729	P R	( - )	Valve, steering
17	F 2320	) R	( - )	Housing, steering valve
18	F 2321	1 R	( - )	Gasket (packed 5 in a pkg.)
19	F 2323	3 R	( - )	Arm, steering valve
20	12H 10	O R	( - )	Washer, lock, 5/16"
21	14H 785	5 R	( - )	Nut, 5/16"
22	A 4546	5 <b>R</b>	( - )	Spring
23	F 2232	2 R	( - )	Valve, relief
24	F 2371	1 R	( - )	Sleeve, relief valve
25	R 1820	O R	( - )	Washer (6 used)
26	24H 143	3 R	( - )	Washer, 21/64" x 3/4" x 16 gauge (2 used)
27	D 465	5 R	( - )	Gasket (packed 2 in a pkg.)
28A	F 2317	7 R	( -8203099)	Plug (sub. AF3799R)
28B	AF 379	9 R	(8203100- )	Plug

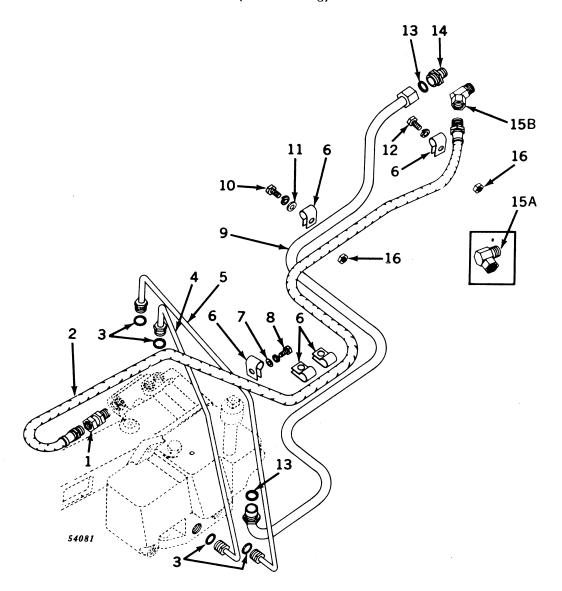
STEERING GEAR HOUSING, CYLINDER, AND SHAFT (Power Steering)



### STEERING GEAR HOUSING, CYLINDER, AND SHAFT -- Continued (Power Steering)

```
Key
          Part No.
                              Serial No.
                                                                Description
             1745 R
                                                 Nut, cap
 2
       R
             1742 R
                                                 Washer (2 used)
 3
        14H
              402 R
                                                 Nut, 3/4"
        R
             1739 R
                                                 Screw, special
        R
             1741 R
                                                 Adapter, adjusting screw
                                                 Pin, cotter, 1/8" x 2" (sub. for 11H45R)
 6
        11H
              237 R
                                                 Nut, slotted, 7/8" (packed 25 in a pkg.)
        C
             1104 R
 8
                                                 Washer, 29/32" x 1-3/4" x 6 gauge
        24H
              685 R
 9
        R
             1834 R
                                   -8002834)
                                                 Gear, steering (sub. one R1922R and one R1923R)
        R
             1922 R
                          (8002835-
                                                 Gear, steering
10
        24H 1090 R
                          (8204256-8299999)
                                                 Washer, spacer, between gear and housing
        24H
              290 R
                          (8204256-8204832)
                                                 Washer
                                                 Screw, special cap, 5/8" x 5-3/4" (2 used)
11
        19H
             1574 R
                                   -8299999)
                                                 Cap, filler, with oil level rod
12
        AR
             1298 R
        AR 20952 R
                          (8300000-
                                                 Cap, filler, with oil level rod
13
        29H
              324 R
                                   -8299999)
                                                 Nipple
                          (8300000-
        29H
              590 R
                                                 Nipple
14
        AR
             1345 R
                                                 Housing, R1750R, steering gear, with bushing
                                                 Nut, 5/8" (2 used) (sub. for A5772R)
15
              760 R
        14H
16
        19H
             1127 R
                                                 Screw, cap, high-strength, 1/2" x 1-5/8" (sub. for 19H1060R)
        12H
                                                 Washer, lock, 1/2"
               13 R
17
       R
              229 R
                                                 Washer
18
       R
              228 R
                                                 Plug
                          (8200475-
19
       R
             2624 R
                                                 Packing, O-ring (packed 2 in a pkg.)
20
             2625 R
                          (8200475-
       R
                                                 Gasket (packed 2 in a pkg.)
                                                 Bushing
21
       F
             2278 R
22
       F
                                                 Gasket (2 used) (packed 10 in a pkg.)
             1694 R
23
             1744 R
       R
                                                 Cylinder, steering
24
       19H
            1373 R
                                                 Screw, cap, high-strength, 5/8" x 2" (3 used)
25
             1746 R
                                                 Stud, 5/8" x 6-1/2" (2 used)
       R
26
                                                 Pin, steering gear shaft stop (2 used) (sub. for F1701R)
       R
            21129 R
                                                 Packing, steering vane (2 used) (packed 10 in a pkg.)
27
             1697 R
28
       R
            21129 R
                                                 Pin, steering vane (sub. for F1701R)
29
       F
             1696 R
                                                 Vane, steering (2 used)
30
                                   -8203099)
       R
             1745 R
                                                 Quill, steering gear shaft (sub. R2712R)
       R
             2712 R
                          (8203100-
                                                 Quill, steering gear shaft
31
        Α
              120 R
                                                 Pin, dowel (2 used)
32
       R
             1837 R
                                                 Packing (2 used) (packed 2 in a pkg.)
33
                                                 Washer (2 used)
       R
             1836 R
                                                 Screw, cap, 5/8" x 5-1/4" (2 used)
Screw, cap, 5/8" x 5-1/2" (2 used)
34
        19H
             1650 R
35
        19H
             1569 R
36
       R
             1339 R
                                                 Tube, steering gear shaft
37
              854 R
                                                 Bushing
       R
38
        AR
             1237 R
                                   -8203099)
                                                 Shaft, steering gear, with nuts (sub. AR1818R, AR1819R, and
                                                   two 19H1405R)
       AR
             1818 R
                          (8203100-
                                                 Shaft, steering gear, with nuts
             1695 R
                                                 Gasket (packed 10 in a pkg.)
                                   -8200474)
40
       F
             1319 R
                                                 Packing, O-ring (sub. F3450R)
             3450 R
                          (8200475-
                                                 Packing, O-ring (packed 10 in a pkg.)
                                                 Key, Woodruff, 3/8" x 2-1/8"
41
        26H
              105 R
42
       R
             1835 R
                                   -8203099)
                                                 Bracket, steering vane
                          (8203100-
        AR
             1819 R
                                                 Bracket, R2713R, with dowels
43
       F
             1699 R
                                                 Plate, lock
44
                                   -8203099)
        Α
             5165 R
                                                 Screw, special (2 used)
                                                 Screw, cap, 3/4" x 2-1/2" (2 used)
                          (8203100-
45
       19H
             1405 R
             1700 R
46
       F
                                                 Pin, steering vane
             3515 R
                          (8203100-
47
                                                 Pin, dowel (hollow) (2 used)
48
       R
            21231 R
                                                 Shim
Parts listed below are not illustrated.
       AF
             2235 R
                                                 Oil, power steering (1 qt.)
        ΑF
             3290 R
                                                 Oil, power steering (5 gals.)
```

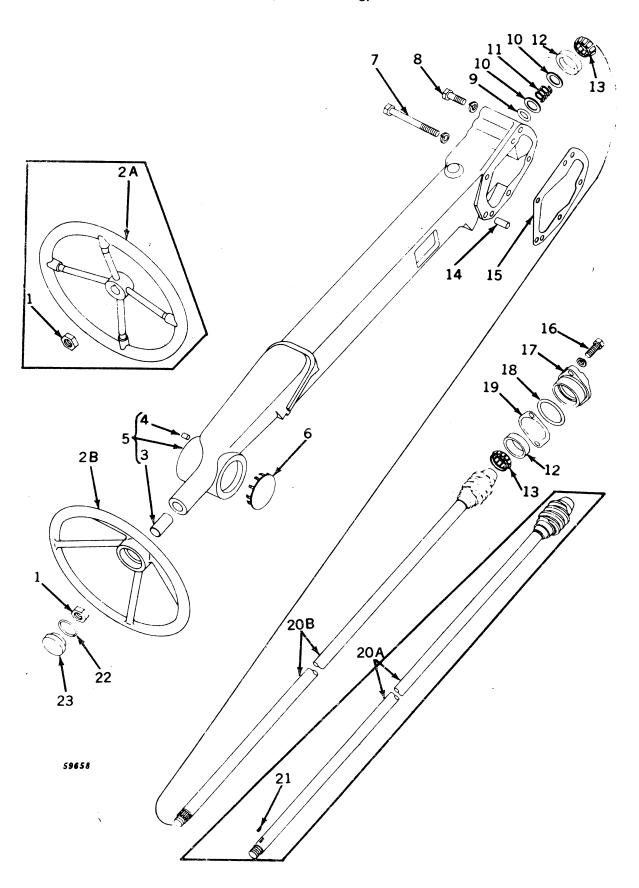
OIL TUBES (Power Steering)



## OIL TUBES -- Continued (Power Steering)

Key	Part No.	Serial No.	Description
1	JD 151 A	( - )	Union, adapter, steering valve to steering valve line
2	AR 1480 R	( - )	Line, flexible oil, steering pump to steering valve (sub. for JD181R)
3	F 2223 R	( - )	Washer, aluminum (4 used) (packed 10 in a pkg.)
4	AR 21341 R	( - )	Tube, oil, steering valve to cylinder, rear (sub. for AR1300R and AR21089R)
5	AR 21340 R	( - )	Tube, oil, steering valve to cylinder, front (sub. for AR1299R and AR21088R)
6	B 1588 R	( - )	Clip (5 used)
7	24H 143 R	( - )	Washer, 21/64" x 3/4" x 16 gauge
8	19H 103 H	( - )	Screw, cap, 5/16" x 5/8" (sub. for 19H100T)
_	12H 10 R	( - )	Washer, lock, 5/16"
9	AR 1303 R	( -8199999)	Tube, oil, steering pump to steering gear housing
-	AR 1591 R	(8200000-	Tube, oil, steering pump to steering gear housing
10	F 2272 R	( -8199999)	Screw, special cap
	19H 1116 N	(8200000- )	Screw, cap, 3/8" x 1-1/8" (sub. for 19H230H)
	12H 11 R	( - )	Washer, lock, 3/8"
11	A 147 R	(8200000-	Washer
12	F 2272 R	( -8199999)	Screw, special cap
	19H 988 N	(8200000- )	Screw, cap, 3/8" 1-1/4"
•	12H 11 R	( - )	Washer, lock, 3/8"
	19H 988 N	(8200000-	Screw, cap, 3/8" x 1-1/4"
13	F 2222 R	( - )	Washer (aluminum) (2 used) (packed 5 in a pkg.)
14	R 1595 R	( -8199999)	Connector
15A	JD 172 R	( -8199999)	Union, adapter
15B	JD 184 R	(8200000- )	Union, adapter
16	14H 812 C	(8200000- )	Nut (2 used) (sub for 14H255R)

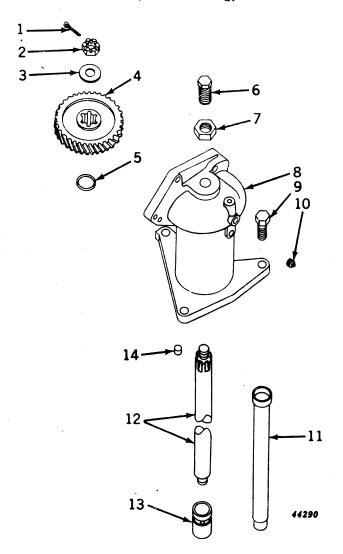
## STEERING WHEEL AND SHAFT (Manual Steering)



# STEERING WHEEL AND SHAFT -- Continued (Manual Steering)

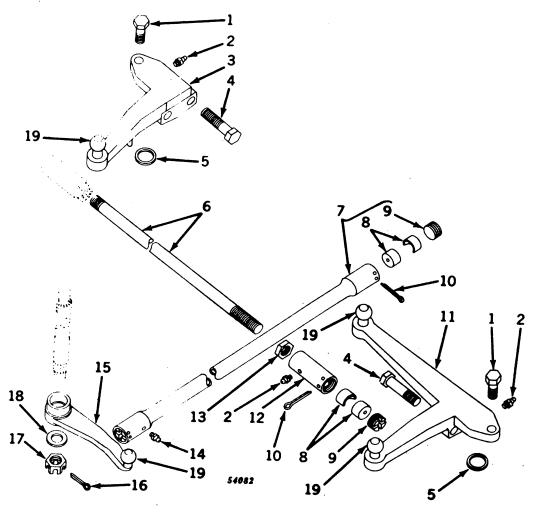
Key	Par	rt No.	Serial No.	Description
1	14H	798 R	( - )	Nut, jam, 3/4"
2A	AR	505 R	( -8203099)	Wheel, steering
2B	AF	3867 R	(8203100-	Wheel, steering
3	В	37 R	( - j	Bushing
<b>4</b> 5	R	726 R	( - )	Pin, dowel
5	AR	1272 R	( -8299999)	Housing, R1633R, steering shaft and worm, with bushing and pin
	AR 2	0485 R	(8300000- )	Housing, R20352R, steering shaft and worm with bushing and pin
6	R	1680 R	( - )	Plug, button, speed control opening
7	19H	1258 T	( - )	Screw, special cap, 1/2" x 4-3/4" (4 used) (sub. for 19H537R)
	12H	13 R	( - )	Washer, lock, 1/2" (4 used)
8	19H	1127 H	( - )	Screw, special cap, 1/2" x 1-5/8" (sub. for 19H 1060 R)
	12H	13 R	( - )	Washer, lock, 1/2"
9	R	495 R	( - )	Packing, O-ring (packed 10 in a pkg.)
10	24H	247 H	( - )	Washer, 31/32" x 1-3/8" x 16 gauge (2 used)
11	Α .	4313 R	( - )	Spring
12	JD	7253 R	( - )	Cup, bearing (2 used)
13	JD 1	8172 R	( - j	Cone, with rollers (2 used)
14	Α	120 R	( - )	Pin, dowel (2 used)
15	R :	1635 R	( - )	Shim, rubber (packed 10 in a pkg.)
	$\mathbf{R}$	1928 R	( - )	Shim, .005" paper (packed 5 in a pkg.) (use as required)
16	19H	456 R	( - )	Screw, special cap, 1/2" x 1-3/8" (2 used) (sub. for 19H455R)
	12H	13 R	( - )	Washer, lock, 1/2" (2 used)
17	R :	<b>16</b> 34 R	( - )	Housing, bearing
18	F :	1649 R	( - )	Packing, O-ring (packed 5 in a pkg.)
19	<b>F</b> 1	1648 R	( - )	Shim (steel) (packed 5 in a pkg.)
20A	AR 1	1271 R	( -8203099)	Shaft, steering, with worm and nut
208	AR 1	1883 R	(8203100- )	Shaft, steering, with worm and nut
21	26H	17 R	( -8203099)	Key, Woodruff, 3/16 <sup>n</sup> x 7/8 <sup>n</sup>
22	В 3	3690 R	(8203100- )	Packing, O-ring (packed 2 in a pkg.)
23	<b>F</b> 3	630 R	(8203100- )	Emblem, manual steering

# STEERING GEAR AND SHAFT (Manual Steering)



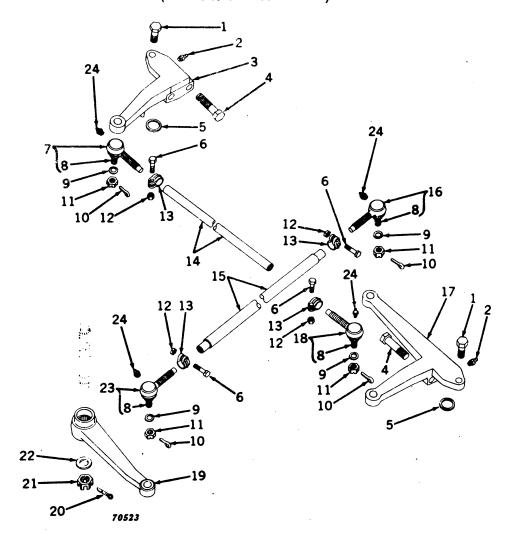
Key	Part No.	Serial No.	Description
1	11H 237 R	( - )	Pin, cotter, 1/8" x 2" (sub. for 11H45R)
2	C 1104 R	( - j	Nut, slotted, 7/8" (packed 25 in a pkg.)
3	24H 685 R	( - )	Washer, 29/32" x 1-3/4" x 6 gauge
4	R 536 R	( - )	Gear, steering
4 5 6	R 1138 R	( - )	Packing, O-ring (packed 5 in a pkg.)
6	R 540 R	( - )	Screw, adjusting
7	14H 655 R	· - ·	Nut, jam, 1"
8	R 1637 R	· - ·	Housing, steering gear
9	19H 1373 R	i - i	Screw, cap, 5/8" x 2" (3 used)
10	15H 254 R	· - ·	Plug, pipe, 1/4" (2 used)
11	R 1339 R	( - )	Tube, steering gear shaft
12	AR 1273 R	( - )	Shaft, steering gear, with nuts
13	R 854 R	( - )	Bushing
14	A 120 R	- <b>`</b>	Pin, dowel (2 used)

### STEERING ARMS AND TIE RODS (80 Tractor) (Serial No. 8000001-8199999)



Key	Pa	rt No.		Serial No.	Description
1	19H	1356 R	(	-8199999)	Screw, cap, 5/8" x 1-3/4" (2 used)
2	JD	7759	(	-8199999)	Fitting, grease (4 used)
3	AR	1191 R	(	-8199999)	Arm, R1543R, with ball, L.H.
4	19H	1439 N	(	-8199999)	Screw, cap, 5/8" x 3" (4 used)
5	Α	4733 R	ĺ (	-8199999)	Gasket (2 used) (packed 5 in a pkg.)
6	F	1631 R	(	-8199999)	Rod, tie
7	AR	1192 R	ĺ (	-8199999)	Link, drag, complete
8 9	С	838 R	(	-8199999)	Bearing, ball stud (8 used) (packed 10 in a pkg.)
9	С	840 R	į (	-8199999)	Plug, screw (4 used)
10	11H	237 R	ĺ	-8199999)	Pin, cotter, 1/8" x 2" (4 used) (sub. for 11H49R)
11	AR	1190 R	(	-8199999)	Arm, R1542R, steering, with balls, R.H.
12	H	982 R	į (	-8199999)	End, tie rod
	Α	4268 R	(	-8199999)	End, tie rod, L.H. thread
13	С	985 R	(	-8199999)	Nut, jam, 7/8" (packed 10 in a pkg.)
	Α	<b>42</b> 69 R	(	-8199999)	Nut, jam, 7/8", L.H. thread (packed 10 in a pkg.)
14	JD	<b>776</b> 0	(	-8199999)	Fitting, grease (2 used)
15	AR	1193 R	(	-8199999)	Arm, R1544R, steering gear, with ball
16	11H	237 R	(	-81999 <del>99</del> )	Pin, cotter, 1/8" x 2" (sub. for 11H45R)
17	С	1104 R	( '	-8199999)	Nut, slotted, 7/8" (packed 25 in a pkg.)
18	24H	685 R	(	-8199999)	Washer, 29/32" x 1-3/4" x 6 gauge
19	F	1617 R	(	-8199999)	Ball, steering, arm (3 used)

STEERING ARMS AND TIE RODS (820, 830, 830-I Tractors) (Serial No. 8200000-)

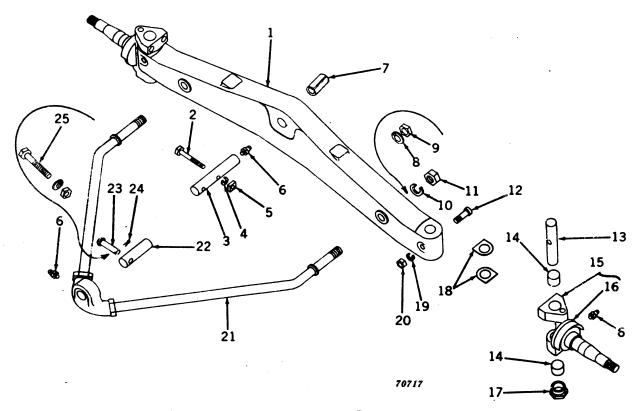


### STEERING ARMS AND TIE RODS (820, 830, 830-I Tractors) -- Continued (Serial No. 8200000-)

```
Key
           Part No.
                                 Serial No.
                                                                   Description
         19H 1356 R
  1
                            (8200000-
                                                    Screw, cap, 5/8" x 1-3/4" (2 used)
  2
         JD
              7759
                            (8200000-
                                                   Fitting, grease (2 used)
  3
              2563 R
         R
                            (8200000-
                                                    Arm, steering, L.H.
                                                   Arm, steering, L. H. Screw, cap, 5/8" x 3" (4 used)
         R
             20054 R*
                            (8300000-
  4
         19H 1439 N
                            (8200000-
         19H 1655 H*
                            (8300000-
                                                   Screw, cap, high-strength, 5/8" x 3-1/4" (4 used)
  5
               4733 R
                            (8200000-
                                                   Gasket (2 used) (packed 5 in a pkg.)
                                                   Screw, cap, high-strength, 5/16" x 1-1/4" (4 used)
Screw, cap, 1/2" x 2-1/4" (4 used) (sub. for 19H484R)
  6
         19H 1137 N
                            (8200000-
         19H 1004 T*
                            (8300000-
  7
        AR 21945 R
                            (8200000-
                                                   Socket, tie rod end, L.H. (sub. for AF3178R)
        AR 20033 R*
                            (8300000-
                                                   Socket, tie rod end, L. H.
  8
              3208 R
        F
                            (8200000-
                                                   Boot, rod end socket (4 used)
  Q
        12H
                14 R
                            (8200000-
                                                   Washer, lock, 9/16" (4 used)
 10
               234 R
        11H
                                                   Pin, cotter, 3/32" x 1" (4 used) (sub. for 11H22R)
                            (8200000-
                                                   Pin, cotter, 1/8" x 1" (4 used) (sub. for 11H41R)
        11H
                236 R*
                            (8300000-
11
              1783 R
                           (8200000-
                                                   Nut, slotted, 9/16" (4 used)
        14H
               531 H*
                           (8300000-
                                                   Nut, 5/8" (4 used)
               785 R
                           (8200000-
12
        14H
                                                   Nut, 5/16" (4 used)
               809 T*
                                                   Nut, 1/2" (4 used) (sub. for 14H259R)
        14H
                           (8300000-
               409 T
13
                           (8200000-
                                                   Clamp (4 used)
        M
              2301 T*
                           (8300000-
                                                   Clamp (4 used) (sub. for R20018R)
        F
              3207 R
14
                           (8200000-
                                                   Rod, tie
        R
             20022 R*
                           (8300000-
                                                   Rod, tie
15
              2564 R
                           (8200000-
                                                   Link, drag
        R
             20021 R*
                           (8300000~
                                                   Link, drag
16
        AR
            21944 R
                           (8200000-
                                                   Socket, rod end, drag link, front (sub. for AF3177R)
            20032 R*
        AR
                           (8300000-
                                                   Socket, rod end, drag link, front
17
              2562 R
                           (8200000-
                                                   Arm, steering, R.H.
        R
             20053 R*
                           (8300000-
                                                   Arm, steering, R.H.
18
        AR
            21944 R
                           (8200000-
                                                   Socket, tie rod end, R. H. (sub. for AF3177R)
            20032 R*
        AR
                           (8300000-
                                                   Socket, tie rod end, R.H.
19
        R
              2565 R
                           (8200000-
                                                   Arm, steering gear
                                                  Arm, steering gear
Pin, cotter, 1/8" x 2" (sub. for 11H45R)
Nut, slotted, 7/8" (packed 25 in a pkg.)
        R
            20055 R*
                           (8300000-
20
               237 R
        11H
                           (8200000-
21
              1104 R
                           (8200000-
22
        24H
               685 R
                           (8200000-
                                                   Washer, 29/32" x 1-3/4" x 6 gauge
            21945 R
23
        AR
                           (8200000-
                                                   Socket, rod end, drag link, rear (sub. for AF3178R)
            20033 R*
        AR
                           (8300000-
                                                   Socket, rod end, drag link, rear
24
                                                  Fitting, grease (4 used)
       JD
             7759*
                           (8300000-
```

<sup>\*</sup>Parts for heavy-duty equipment and 830-I

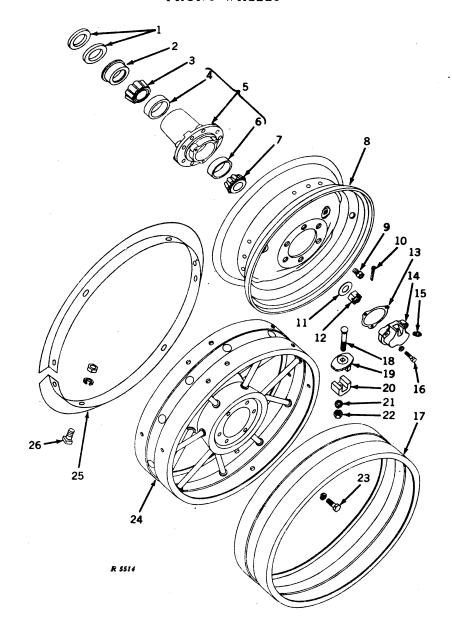
### FRONT AXLE ASSEMBLY



Key	Part No.	Serial No.	Description
1	R 1540 R	( -8203099)	Axle, front (sub. AR 1829R)
_	AR 1829 R	(8202100-	Axle, R2720R, front, with bushing
	AR 21628 R*	(8300000-	Axle, R21530R, front, with bushing (sub. for AR20072R and R20025R)
2	19H 1219 R	- 1	Screw, cap, 3/8" x 4-1/4"
_	19H 1183 R*	(8300000-	Screw, cap, high-strength, 1/2" x 5-1/2"
3	R 46 R	- }	Pin, front axle pivot
·	R 20023 R*	(8300000-	Pin, front axle pivot
4	12H 11 R	}	Washer, lock, 3/8"
•	12H 13 R*	(8300000- )	Washer, lock, 1/2"
5	14H 812 C	. }	Nut, hex., 3/8" (sub. for 14H255R)
· ·	14H 809 T*	(8300000-	Nut. 1/2" (sub. for 14H259R)
6	JD 7759	- 1	Fitting, grease (4 used)
7	R 2721 R	(8203100-	Bushing
,	R 20024 R*	(8300000-	Bushing
8	A 1522 R*	(8300000-	Washer (2 used)
9	F 562 R*	(8300000-	Nut (2 used)
10	12H 21 R	}	Washer, lock, 1" (2 used)
11	14H 411 R	· -	Nut, 1" (2 used) (sub. for 14H272R)
12	D 156 R	· · ·	Bolt, taper (& used)
13	D 1701 R	· -	Pin, spindle (2 used)
14	D 1888 R	·	Bushing, front wheel knuckle (4 used)
15	AR 1364 R	i - i	Knuckle, R1541R, front wheel, with bushings and dust excluder
			(2 used)
	AR 20073 R*	(8300000-	Knuckle, R20026R, front wheel, with bushings and dust shield
		•	(2 used)
16	R 42 R	( - )	Excluder, dust (2 used)
17	D 1881 R	( - )	Cap, front wheel knuckle (2 used)
18	A 5325 R	( - )	Washer, thrust (4 used) (packed 2 in a pkg.)
19	12H 10 R	( - )	Washer, lock, 5/16" (2 used)
20	14H 785 R	( - )	Nut, 5/16" (2 used)
21	AR 345 R	( - )	Rod, radius
	AR 20031 R*	(8300000-	Rod, radius
22	R 47 R	( - )	Pin, radius rod pivot
	R 20039 R*	(8300000-	Pin, radius rod pivot
23	B 817 R	( - )	Rivet, radius rod pivot pin
24	11H 211 R	( - )	Pin, cotter, 1/8" x 3/4" (sub. for 11H39R)
25	19H 1264 T*	(8300000-	Screw, cap
	12H 13 R*	(8300000-	Washer, lock
	14H 809 T*	(8300000-	Nut (sub. for 14H259R)
		•	

### MEMORANDA

### FRONT WHEELS

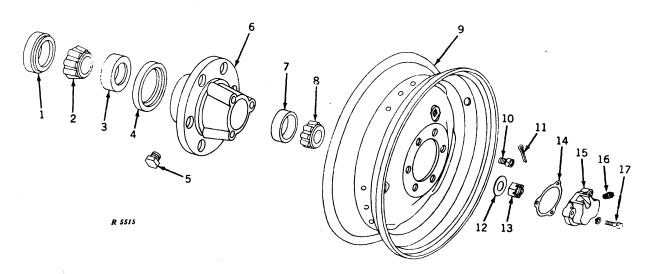


#### FRONT WHEELS -- Continued

Key	Pa	art No.		Serial No.		Description
1	R	3 R	(	_	)	Washer, felt (2 used) (sub. for AR573R)
2	R	2 R	į	-	)	Retainer, felt
3	ID	8133 R	į	_	j	Cone, with rollers
4 5	ĴD	7278 H	ì	-	j	Cup, bearing
5	AR	358 R	i	-	j	Hub, R1R, with cups
6	JD	7266 R	ì	-	ý	Cup, bearing
7	ĴD	8 <b>18</b> 6 R	ì	-	í	Cone, with rollers
8	ĬD	<b>12</b> 76 R	ì	-	j	Wheel, disk (for 7.50 x 18, 4-or 6-ply rating tires)
9	ĬD	19 R	ì	<u>.</u> .	í	Bolt (6 used) (packed 20 in a pkg.)
10	11H	218 R	ì	-	j	Pin, cotter, 3/16" x 1-1/2" (sub. for 11H84R)
11	Α	5146 R	ì	-	Ś	Washer
12	14H	540 R	ì	_	j	Nut, special slotted, 1"
13	Α	1556 R	ì	_	j	Gasket (packed 10 in a pkg.)
14	Α	1555 R	Ì	-	j	Cap (sub. for AA1407R)
15	JD	7759	i	-	j	Fitting, grease, 1/8", straight
16	F	2270 R	į	-	j	Screw, cap, 5/16" x 1-1/4" (3 used) (sub. for 19H124R)
	12H	<b>1</b> 0 R	į (	_	j	Washer, lock, 5/16" (3 used)
17	AR	665 R	į	-	j	RIM, FRONT WHEEL EXTENSION, WITH FASTENINGS (SET OF
						TWO R833R, TWELVE D583R, D584R, 2H680R AND 14H809T)
						(ATTACHMENT)
18	2H	680 R	(	-	)	Bolt, cge., 1/2" x 3-1/4" (6 used) (order 2P681R, pkg. of 25)
19	D	584 R	(	-	)	Washer, extension rim clip (6 used)
<b>2</b> 0	D	583 R	(	-	)	Clip, extension rim (6 used)
21	12H	13 R	(	~	)	Washer, lock, 1/2" (6 used)
22	14H	809 T	(	-	)	Nut, 1/2" (6 used) (sub. for 14H259R)
<b>2</b> 3	19H		(	-	)	Screw, cap, 1/2" x 1-3/8" (6 used)
	12H	13 R	(	-	)	Washer, lock, 1/2" (6 used)
24	JD	1279 R	(	-	)	Wheel (steel spoke type)
<b>2</b> 5	AR	664 R	(	-	)	BAND, FRONT WHEEL GUIDE (SET OF TWO R832R) (ATTACHMENT)
<b>2</b> 6	AA	388 R	(	-	)	BOLTS, GUIDE BAND, WITH NUTS AND LOCK WASHERS (PKG.
						OF SIXTEEN 19H444A, 12H13R AND 14H809T) (ATTACHMENT)
Domes 1	istad L	elow are	not iller	tratad		
rarus I	istea o B	2016 R	iot inus	uateu.	١.	WEIGHT, FRONT WHEEL 100 LB. (ATTACHMENT)
	AB	4265 R	}	_	,	BOLTS (FOR PAIR OF B2016R) (PKG. OF SIX 19H1218C, 12H13R,
	A,D	7203 K	,	<del>-</del>	,	14H809T AND 24H991R) (ATTACHMENT)

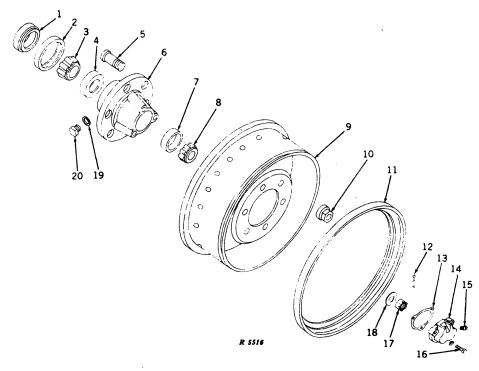
Capital letters indicate an attachment. Attachments must be listed on separate orders from replacement parts.

# FRONT WHEELS (Heavy-Duty Equipment and 830-I) (Serial No. 8300000-)



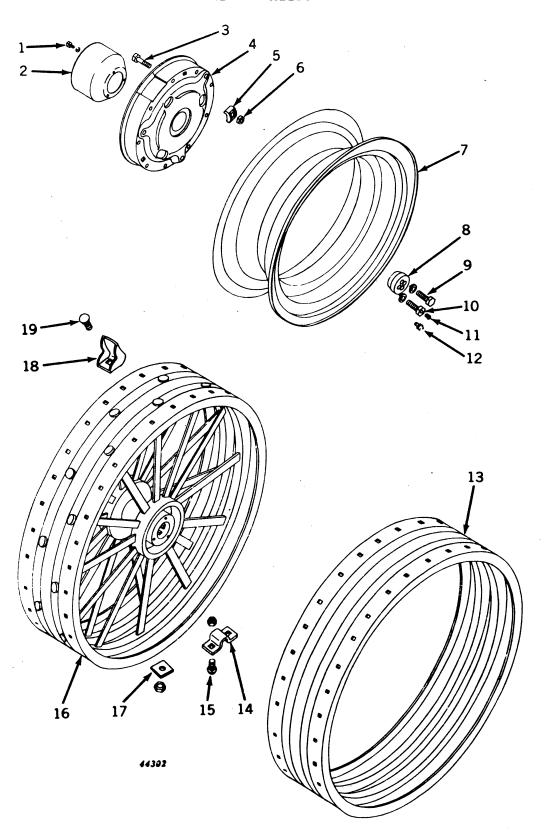
Key	Part No.	Serial No.	Description
1	AR 20016 R	(8300000-	) Seal, oil
2	JD 8908 R	(8300000-	) Cone, with rollers
3	ID 7439 H	(8300000-	) Cup, bearing
4	R 20034 R	(8300000-	) Spacer
5	15H 276 T	(8300000-	) Plug, pipe
6	R 21633 R	(8300000-	) Hub, less cups
7	ID 7266 R	(8300000-	) Cup, bearing
8	JD 8186 R	(8300000-	) Cone, with rollers
9	JD 1276 R	(8300000-	) Wheel, disk (for 7.50-18, 6-ply rating tires)
	AR 21765 R	(8300000-	Wheel, disk (for 11.00-16, 8-ply rating tires)
10	JD 16 R	(8300000-	) Bolt (6 used) (packed 10 in a pkg.)
11	11H 218 R	(8300000-	) Pin, cotter, 3/16" x 1-1/2"
12	A 5146 R	(8300000-	) Washer
13	14H 540 R	(8300000-	) Nut, special slotted, 1"
14	A 1556 R	(8300000~	) Gasket (packed 10 in a pkg.)
15	A 1555 R	(8300000-	) Cap, hub
<b>1</b> 6	JD 7759	(8300000-	) Fitting, grease, 1/8", straight
<b>1</b> 7	F 2270 R	(8300000-	) Screw, cap, 5/16" x 1-1/4" (3 used)
	12H 10 R	(8300000-	) Washer, lock, 5/16" (3 used)

# TRUCK TYPE FRONT WHEELS (Heavy-Duty Equipment and 830-I) (Serial No. 8300000-)



Key	Part No.	Serial No.	Description
1	AR 20016 R	(8300000-	Seal, oil
2	R 20034 R	(8300000-	Spacer
3	JD 8908 R	(8300000-	Cone, with rollers
<b>4</b> 5	JD 7439 H	(8300000-	) Cup, bearing
5	R 20033 R	(8300000-	) Stud (6 used)
6	AR 20017 R	(8300000-	Hub, R20032R, with studs, less cups
7	JD 7266 R	(8300000-	Cup, bearing
8	JD 8186 R	(8300000-	Cone, with rollers
9	AR 20034 R	(8300000-	Wheel, disk (for 8.25 x 20, 10-ply rating tires)
	JD 3203 R	(8300000-	Wheel, disk, heavy duty truck type (for 11:00-16, 8-ply rating tires)
10	AR 20013 R	(8300000-	Nut, locking (6 used)
11	R 20019 R	(8300000-	Ring, side (use with AR20034R wheel)
	R 21764 R	(8300000-	Ring, side (use with JD3203R wheel)
12	11H 218 R	(8300000-	Pin, cotter, 3/16" x 1-1/2" (sub. for 11H84R)
13	A 1556 R	(8300000-	Gasket (packed 5 in a pkg.)
14	A 1555 R	(8300000-	Cap, hub (sub. for AA1407R)
15	JD 7759	(8300000-	Fitting, grease, 1/8", straight
16	F 2270 R	(8300000-	Screw, cap, 5/16" x 1-1/4" (3 used)
	12H 10 R	(8300000-	) Washer, lock, 5/16" (3 used)
17	14H 540 R	(8300000-	Nut, special slotted, 1"
18	A 5146 R	(8300000-	) Washer
19	R 229 R	(8300000-	) Washer, aluminum
20	19H 1303 R	(8300000-	) Screw, cap, 5/8" x 3/4

### REAR WHEELS

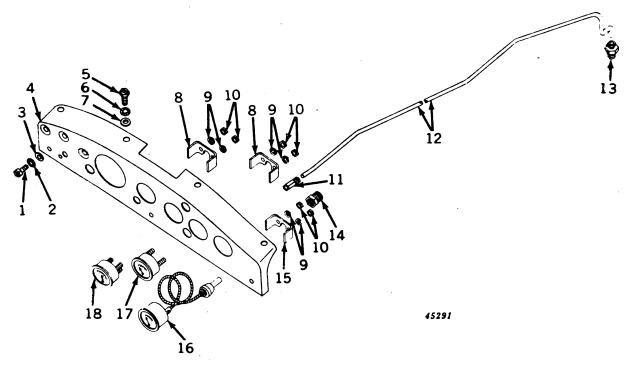


#### REAR WHEELS -- Continued

			,			
Key	P	art No.	\	Serial No.		Description
1	F	2272 R	(`	-	)	Screw, special cap (3 used) (rice field tractors) (packed 10 in a pkg.)
•	12H	11 R	(	-	)	Washer, lock, 3/8" (3 used) (rice field tractors)
2	R	837 R	(	-	)	Guard, mud (rice field tractors)
3	AA	4029 R	(	-	)	Bolt, mach., with nuts, 5/8" x 2-3/4" (pkg. of 6) (8 used with R15R and R838R, 9 used with R1600R and R2522R)
4	R	838 R	(	-	)	Wheel, cast disk, rear (for 14-34 or 15-34 tire and rim)
	R	1600 R	į (	-	)	Wheel, cast disk, rear (for 18-26 tire and rim)
	R	2522 R	(	<del>-</del> .	)	Wheel, cast disk, rear (for 18-26 tire and 20" rim) (used in pairs provides 67-1/4" or 83-1/4" tread setting only)
	R	21760 R	(	-	)	Wheel, cast disk, rear (for 18-26 tire and 20" rim) (used in pairs provides 70-1/2" tread setting only)
5	В	634 R	(	-	)	Clamp, rim (8 used with R15R and R838R, 9 used with R1600R and R2522R)
6	14H	800 R	(		)	Nut, 5/8" (8 used with R15R and R838R, 9 used with R1600R and R2522R)
7	AR	649 R	(	-	)	Rim, demountable (14") (for 14-34 or 15-34, 6-ply rating tires) (use with R838R)
	AR	771 R	(	-	)	Rim, demountable (16") (for 18-26, 8-ply rating tires) (use with R1600R)
	ΑP	22529 H	(	· <u>-</u>	)	Rim, demountable (20") (for 18-26, 8-ply rating tires) (use with R2522R)
	R	2589 R	(	-	)	Rim, demountable (16") (for 14-34 or 15-34, 6-ply rating tires) (use with R838R)
	AR	21249 R	(830	0000-	)	Rim, demountable, with drive plate (for 18, 00-26, 10-ply rating tires) (use with R2522R on 831I)
8	R	14 R	(	_	)	Retainer, drive wheel
9	19H	1391 R	į	-	)	Screw, special cap, 3/4" x 2-1/4"
	12H	17 R	į	_	j	Washer, lock, 3/4"
10	R	1168 R	į	-	)	Screw, special cap
	12H	17 R	(	-	)	Washer, lock, 3/4"
11	15H	253 R	į (	-	)	Plug, pipe, 1/8"
12	JD	7759	į (	-	)	Fitting, grease (rice field tractors)
13	Ŕ	834 R	į (	-	)	Rim, extension
14	AD	632 R	į	-	j	CLIP, EXTENSION RIM (SET OF SIX D713R) (ATTACHMENT)
15	AD	2803 R	(	-	)	BOLT, LUG, WITH NUT (PKG. OF TWENTY-FIVE D411R AND 14H404R) (ATTACHMENT)
<b>1</b> 6	JD	1280 R	(	-	)	Wheel, rear (spoke type)
17	AD	2856 R	(	-	)	WASHER, SPADE LUG (PKG. OF EIGHT D938R) (ATTACHMENT)
18	AD	2855 R	(	-	)	LUG, HEAVY-DUTY, 5" SPADE (SET OF EIGHT) (ATTACHMENT)
	AD	2484 R	(	-	)	LUG, 6" SPADE (SET OF TWELVE D573R) (ATTACHMENT)
19	AD	2803 R	(	-	)	BOLT, LUG, WITH NUT (PKG. OF TWENTY-FIVE D411R AND 14H404R) (ATTACHMENT)
Parts f	or Ste	el Rim As	sembly -	Not Illustra	ted.	
	AR	1470 R	.(	-	)	Rim, steel wheel, 14" (2 used) (used with R1600R)
	AA	4029 R	(	-	)	Bolt, special square, with nut (set of 6) (3 sets used per tractor) rim to wheel
	12H	15 R	(	-	)	Washer, lock (9 used)
	AD	2855 R	(	-	)	Lug, heavy-duty spade (set of eight D2121R) (6 sets used) (also furnish one AA342R bolt and one AD2856R washer)
	AD	2484 R	(	-	)	Lug, 6" spade (set of twelve D573R) (4 sets used) (also furnish one AA342R bolt and one AD2856R washer)
	AD	1465 R	(	-	<b>)</b> ~;	Lug, 6" A-shape (set of twelve D2627R) (4 sets used) (also furnish one AA342R bolts and two AD2803R bolts and fifty 12H17R lock washers)

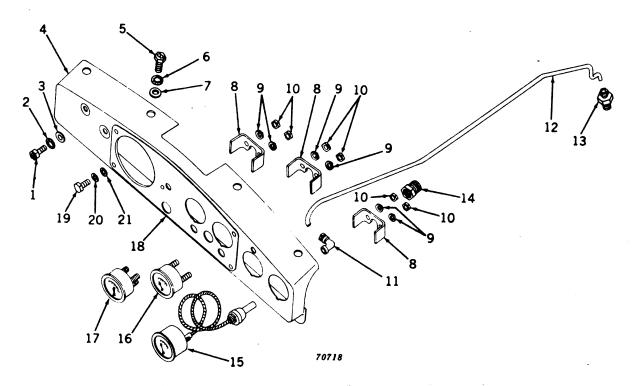
Capital letters indicate an attachment. Attachments must be listed on separate orders from replacement parts.

### INSTRUMENT PANEL AND GAUGES (Serial No. 8000001-8199999)

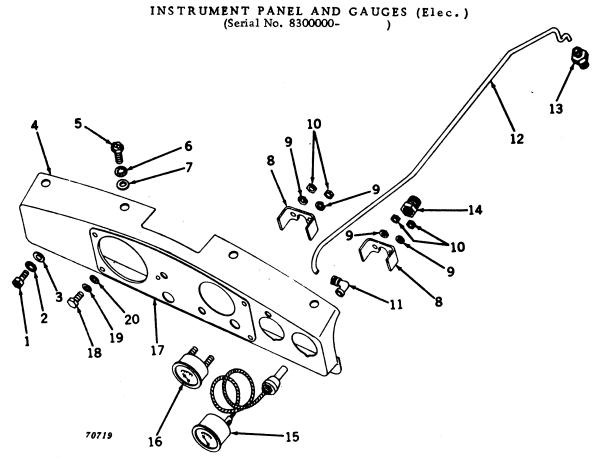


Key	Par	t No.		Serial No.	Description
1	H	1085 R	(	-8199999)	Screw, special mach. (3 used) (packed 50 in a pkg.)
2	12H	291 R	į	-8199999)	Washer, lock (shakeproof) (3 used) (sub. for A3546R)
3	24H	143 R	i	-8199999)	Washer, 21/64" x 3/4" x 16 gauge (3 used)
4	AR	1311 R	i	-8199999)	Panel, instrument
5	H	1085 R	į	-8199999)	Screw, special mach. (4 used) (packed 50 in a pkg.)
6	12H	291 R	į	-8199999)	Washer, lock (shakeproof) (4 used) (sub. for A3546R)
7	24H	143 R	į (	-8199999)	Washer, 21/64" x 3/4" x 16 gauge (4 used)
8	Α	1712 R	į	-8 <b>199</b> 999)	Clamp (2 used)
9	Α	767 R	į	-8199999)	Washer, lock (6 used)
10	14H	631 R	į	-8199999)	Nut (6 used)
11	AR	1312 R	į (	-8199999)	Connector
12	R	1586 R	(	-8199999)	Pipe, oil pressure gauge
13	AR	8 <b>58</b> R	į	-8199999)	Connector
14	Α	1248 R	į	-8199999)	Bushing, heat indicator tube
15	Α	1712 R	( )	-8199999)	Clamp
16	AR	490 R	( .	-8 <b>19</b> 9999)	Heat indicator, with bushing, nuts, and lock washers
17	AF	27 <b>2</b> 9 R	(	-8199999)	Gauge, oil pressure, with clamp, nuts, and lock washers (sub. for AR492R and AF2868R)
	AF	3 <b>395</b> R	. ,	-8199999)	Gauge, oil pressure, with clamp, nuts, and lock washers (Spanish)
40			,	-8199999) -8199999)	
18		2749 R	,		Ammeter, with clamp, nuts, and lock washers (sub. for AB2568R)
	AR	1672 R	(	-8199999)	Heat indicator, with bushing, nuts, and lock washers (Spanish)

# INSTRUMENT PANEL AND GAUGES (C.E.) (Serial No. 8200000- )

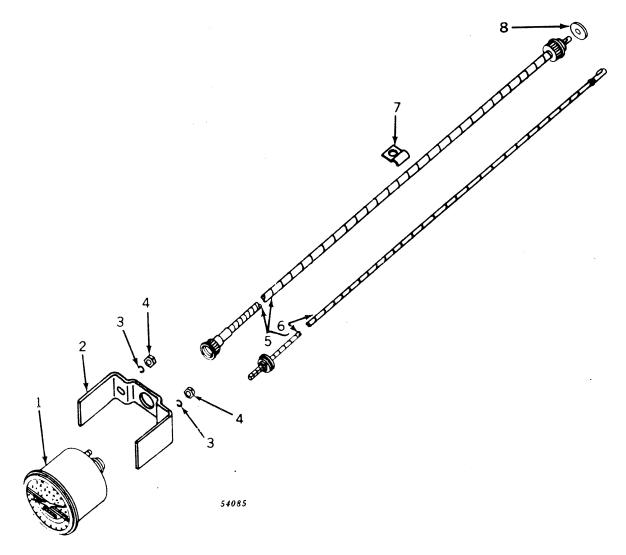


Key	Part No.	Serial No.	Description
1	H 1085 R	(8200000-	Screw, special mach. (3 used) (packed 50 in a pkg.)
2	12H 291 R	(8200000- )	Washer, lock (shakeproof) (3 used)
3	24H 143 R	(8200000- )	Washer, 21/64" x 3/4" x 16 gauge (3 used)
4	AR 20412 R	(8200000- )	Panel, instrument (sub. for AR1555R)
4 5	H 1085 R	(8200000- )	Screw, special mach. (4 used) (packed 50 in a pkg.)
6	12H 291 R	(8200000- )	Washer, lock (shakeproof) (4 used)
7	24H 143 R	(8200000- )	Washer, 21/64" x 3/4" x 16 gauge (4 used)
8	A 1712 R	(8200000- )	Clamp (3 used)
9	A 767 R	(8200000- )	Washer, lock (6 used)
10	14H 631 R	(8200000- )	Nut (6 used)
11	AA 4936 R	(8200000-	Elbow
12	R 2542 R	(8200000- )	Pipe, oil pressure gauge
13	AR 858 R	(8200000- )	Connector
14	A 1248 R	(8200000-	Bushing, heat indicator tube
15	AR 490 R	(8200000- )	Heat indicator, with bushing, nuts, and lock washers
	AR 1672 R	(8200000- )	Heat indicator, with bushing, nuts, and lock washers (Spanish)
16	AF 2729 R	(8200000- )	Gauge, oil pressure, with clamp, nuts, and lock washers (sub. for AF2868R)
	AF 339 <b>5</b> R	(8200000- )	Gauge, oil pressure, with clamp, nuts, and lock washers (Spanish)
17	AF 2749 R	(8200000- ).	Ammeter, with clamp, nuts, and lock washers
18	R 2541 R	(8200000- )	Panel, electrical instrument
19	H 1085 R	(8200000- )	Screw, special mach. (4 used) (packed 50 in a pkg.)
20	12H 291 R	(8200000-	Washer, lock (shakeproof) (4 used)
21	24H 143 R	(8200000- j	Washer, 21/64" x 3/4" x 16 gauge (4 used)



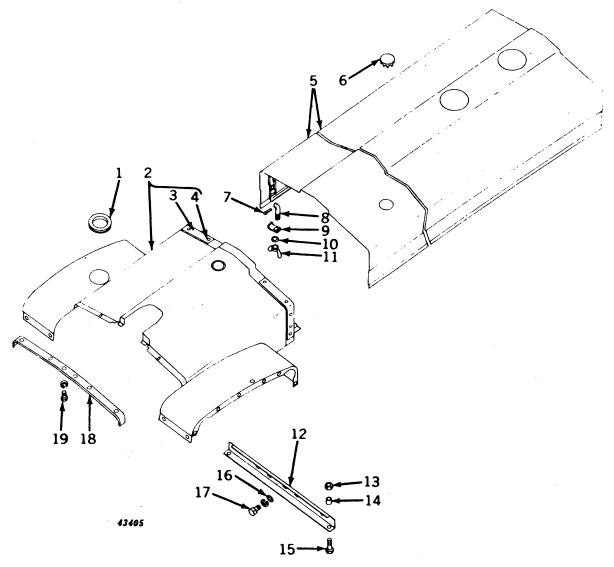
Key	Part No.	Serial No.	Description
1	H 1085 R	(8300000-	Screw, special mach. (3 used) (packed 50 in a pkg.)
2	12H 291 R	(8300000-	Washer, lock (shakeproof) (3 used)
3	24H 143 R	(8300000- )	Washer, 21/64" x 3/4" x 16 gauge (3 used)
4	AR 20581 R	(8300000- )	Panel, instrument
5	H 1085 R	(8300000-	Screw, special mach. (4 used) (packed 50 in a pkg.)
6	12H 291 R	(8300000- )	Washer, lock (shakeproof) (4 used)
7	24H 143 R	. (8300000- )	Washer, 21/64" x 3/4" x 16 gauge (4 used)
8	A 1712 R	(8300000- j	Clamp (3 used)
9	A 767 R	(8300000- )	Washer, lock (6 used)
10	14H 631 R	(8300000- j	Nut (6 used)
11	AA 4936 R	(8300000- j	Elbow
12	R 2542 R	(8300000- j	Pipe, oil pressure gauge
13	AR 858 R	(8300000- )	Connector
14	A 1248 R	(8300000- j	Bushing, heat indicator tube
15	AR 490 R	(8300000- j	Heat indicator, with bushing, nuts, and lock washers
	AR 1672 R	(8300000-	Heat indicator, with bushing, nuts, and lock washers (Spanish)
16	AF 2729 R	(8300000-	Gauge, oil pressure, with clamp, nuts, and lock washers (sub. for AF2868R)
	AF 3395 R	(8300000- )	
17	R 20446 R	(8300000-	Gauge, oil pressure, with clamp, nuts, and lock washers (Spanish) Panel, electrical instrument
18	H 1085 R	(8300000-	
19	12H 291 R	(8300000-	Screw, special mach. (4 used) (packed 50 in a pkg.) Washer, lock (shakeproof) (4 used)
20	24H 143 R	(8300000-	
20	LTO N	(6300000-	Washer, 21/64" x 3/4" x 16 gauge (4 used)

### SPEED-HOUR METER



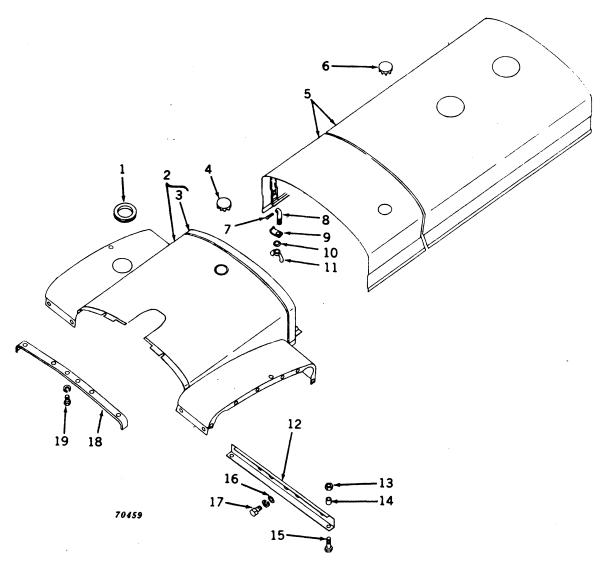
Key	Part No.	Serial No.	Description
1	AR 1317 R	( - )	Speed-hour meter
	AR 1458 R	<b>(</b> - )	Speed-hour meter (kilometers)
2	F 1977 R	( - )	Clamp, speed-hour meter
3	12H 36 R	( - )	Washer, lock (2 used)
4	14H 631 R	<b>(</b> -	Nut (2 used)
5	AR 1318 R	<b>(</b> -	Shaft, flexible, speed-hour meter, with cable
6	AR 1358 R	· -	Cable, speed-hour meter (Stewart-Warner)
	AR 1357 R	<b>i</b> -	Cable, speed-hour meter (AC Spark Plug Div.)
7	A 2421 R	· -	Clip
8	B 3285 R	( - j	Gasket

### HOOD AND COWL (Serial No. 8000001-8299999)



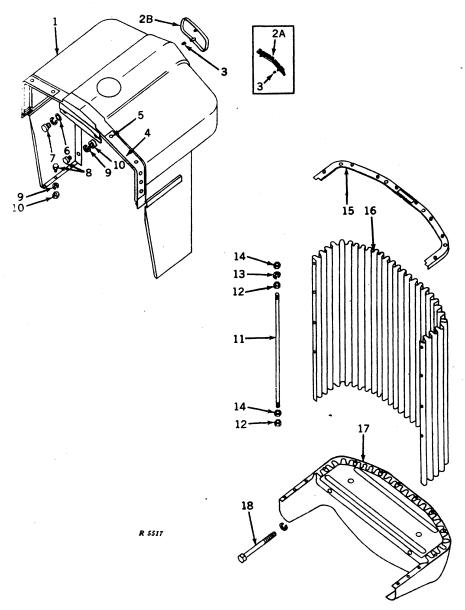
Key	Part No.	Serial No.	Description
1	R 1385 R	( -8299999)	Grommet
2	AR 1642 R	( -8 <b>2</b> 99999)	Cowl (sub. for AR1138R)
3	R 170 R	( -8299999)	Cushion, 1/8" x 1-1/2" x 14-7/8" (2 used) (sub. R21736R, 1/8" x 1-1/2" x 60")
4	D 1520 R	( -8299999)	Rivet, 9/64" x 5/16" (10 used) (packed 100 in a pkg.)
4 5	AR 1166 R	( -8 <b>2</b> 99999)	Hood
6	F 1676 R	( -8 <b>2</b> 99999)	Plug
7	11H 206 R	( -8 <b>2</b> 99999)	Pin, cotter, 3/32" x 3/4" (4 used) (sub. for 11H19R)
8	R 1068 R	( -8299999)	Bolt, hood clamp (4 used)
8 9	R 21652 R	( -8299999)	Clip (4 used) (sub. for R1117R)
10	24H 143 R	( -8 <b>2</b> 99999)	Washer, 21/64" x 3/4" x 16 gauge (4 used)
11	A 4735 R	( -8 <b>2</b> 99999)	Nut, wing (4 used) (packed 10 in a pkg.)
12	R 1384 R	( -8 <b>2</b> 99999)	Support, cowl side
13	14H 812 C	( -8 <b>2</b> 99999)	Nut, 3/8" (2 used) (sub. for 14H255R)
14	F 671 R	( -8 <b>2</b> 99999)	Spacer (2 used)
15	19H 1216 R	( -8 <b>2</b> 99999)	Screw, cap, 3/8" x 2-3/4" (2 used)
16	D 2865 R	( <b>-82</b> 99999)	Washer (2 used)
17	19H 438 R	( -8 <b>2</b> 99999)	Screw, special cap, 1/2" x 1" (2 used)
	12H 13 R	( -8 <b>2</b> 99999)	Washer, lock, 1/2" (2 used)
18	AR 1140 R	( -8 <b>2</b> 99999)	Support, cowl rear
19	F 2272 R	( -8 <b>2</b> 99999)	Screw, special cap (2 used)
	12H 11 R	( -8299999)	Washer, lock, 3/8" (2 used)

#### HOOD AND COWL (Serial No. 8300000-



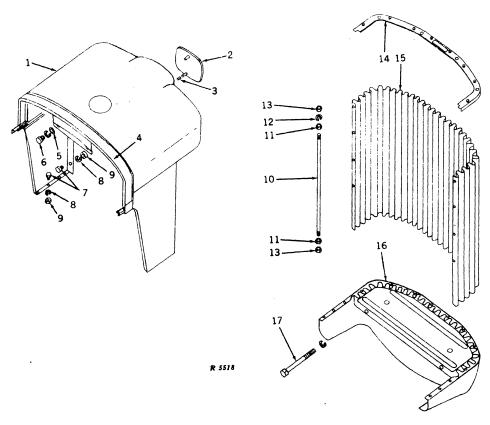
Key	Part No.	Serial No.	Description
1 1	R 1385 R	(8300000-	) Grommet
2	AR 20410 R	ì8300000-	) Cowl
3	R 20297 R	(8300000-	Cushion, 1/8" x 1-1/2" x 43" (sub. R21736R, 1/8" x 1-1/2" x 60")
4	R 20513 R	(8300000-	) Plug, button
4 5	AR 20405 R	(8300000-	) Hood
•	AR 21367 R	(8300000-	) Hood (830-I) (do not stock)
6	F 1676 R	(8300000-	) Plug
7	11H 206 R	(8300000-	) Pin, cotter, 3/32" x 3/4" (4 used) (sub. for 11H19R)
8	R 1068 R	(8300000-	Bolt, hood clamp (4 used)
9	R 21562 R	(8300000-	
10	24H 143 R	(8300000=	Clip (4 used) (sub. for R1117R)
		•	) Washer, 21/64" x 3/4" x 16 gauge (4 used)
11	A 4735 R	(8300000-	Nut, wing (4 used) (packed 10 in a pkg.)
12	R 1384 R	(8300000-	) Support, cowl side
13	14H 812 C	(8300000-	) Nut, 3/8" (2 used) (sub. for 14H255R)
14	F 671 R	(8300000-	) Spacer (2 used)
15	19H 1216 R	(8300000-	Screw, cap, 3/8" x 2-3/4" (2 used)
16	D 2865 R	<i>(</i> 8300000–	Washer (2 used)
17	19H 438 R	<i>ì</i> 8300000-	Screw, special cap, 1/2" x 1" (2 used)
	12H 13 R	(8300000-	Washer, lock, 1/2" (2 used)
18	AR 1140 R	(8300000-	Support, cowl rear
19	F 2272 R	(8300000-	Screw, special cap (2 used)
	12H 11 R	(8300000-	Washer, lock, 3/8" (2 used)
	1611 11 1/	(0300000-	manier, rock, 3/0" (z useu)

GRILLE (Serial No. 8000001-8299999)



Key	Pa	rt No.	Serial No.	Description
1	AR	1168 R	( -8299999)	Top, grille, and sides
2A	AA		( -8199999)	Plate, name, with clips
2B	AF		(8200000-8299999)	Medallion, with clips
3	A	4679 R	-8299999)	Clip, speed (2 used)
4	R	170 R	-8299999)	Cushion, 1/8" x 1-1/2" x 14-7/8" (2 used) (sub. R21736R, 1/8" x
*	. 10	17010	( 0.25555)	1-1/2" x 60")
5	D	1520 R	( -8299999)	Rivet, 9/64" x 5/16" (10 used) (packed 100 in a pkg.)
· 6	24H		-8299999)	Washer, 15/32" x 15/16" x 16 gauge (2 used)
7	19H		-8299999)	Screw, cap, 7/16" x 1" (2 used)
•	12H		-8299999)	Washer, lock, 7/16" (2 used)
8	19H		( -8299999)	Screw, cap, 1/4" x 1/2" (14 used) (sub. for 19H13R)
9	12H		( -8299999)	Washer, lock, 1/4" (14 used)
10	14H		( -8 <b>2</b> 99999)	Nut, 1/4" (14 used) (sub. for 14H251R)
			-8299999)	
11	R	1189 R		Rod, grille (4 used)
12	14H	611 R	( -8299999)	Nut, jam, 5/16" (8 used) (sub. for 14H340H)
13	12H	10 R	( -8 <b>2</b> 99999)	Washer, lock, 5/16" (4 used)
14	14H	785 R	( -8299999)	Nut, 5/16" (8 used)
15	AR	718 R	( -8299999)	Retainer, grille
16	R	<b>2</b> 93 R	( -8299999)	Screen, grille
17	AR		( -8 <b>2</b> 99999)	Bottom, grille
18	19H		-8299999)	Screw, cap, 3/8" x 6-3/8" (2 used) (sub. for 8H3789R)
	12H	11 R	-8299999)	Washer, lock, 3/8" (2 used)
			( 022222)	11 mmin, 120-1, 1/2 /m mom/

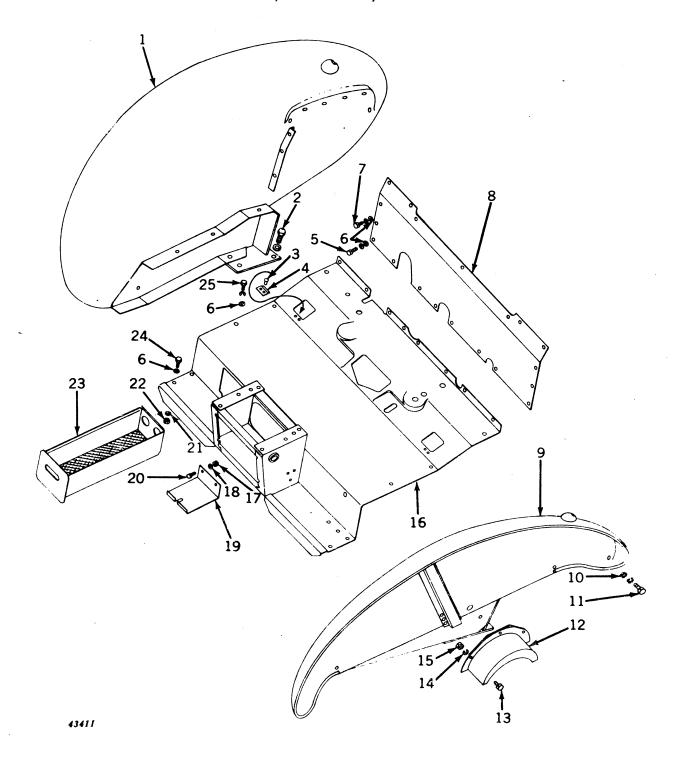
### CRILLE (Serial No. 8300000- )



Key 1 2 3 4 5 6 7 8 9 10 111 12 13 14 15 16 17	Part No. AR 20681 R AR 21112 R AR 21565 R A 4679 R R 20287 R 24H 169 R 19H 1056 H 12H 12 R 19H 13 R 12H 9 R 14H 786 M R 1189 R 14H 611 R 12H 10 R 14H 785 R AR 718 R AR 718 R AR 21197 R* 19H 1249 R 19H 1249 R 12H 11 R	Serial No. (8300000-	Description  Top, grille, and sides  Medallion, with clips  Medallion, with clips (830-I)  Clip, speed (2 used)  Cushion, 1/8" x 1-1/2" x 49-3/4" (sub. R21736R, 1/8" x 1" x 60")  Washer, 15/32" x 15/16" gauge (2 used)  Screw, cap, 7/16" x 1" (2 used)  Screw, cap, 1/4" x 1/2" (14 used)  Washer, lock, 7/16" (2 used)  Screw, cap, 1/4" (14 used)  Nut, 1/4" (14 used) (sub. for 14H251R)  Rod, grille (4 used)  Nut, jam, 5/16" (8 used) (sub. for 14H340H)  Washer, lock, 5/16" (4 used)  Nut, 5/16" (8 used)  Retainer, grille  Screen, grille  Bottom, grille  Bottom, grille  Bottom, grille  Bottom, grille  Bottom, grille  Bottom, grille  Bott, mach., 3/8" x 6-3/8" (2 used) (sub. for 8H3789R)  Washer, lock, 3/8" (2 used)
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<sup>\*</sup>Parts for heavy-duty equipment and 830-I.

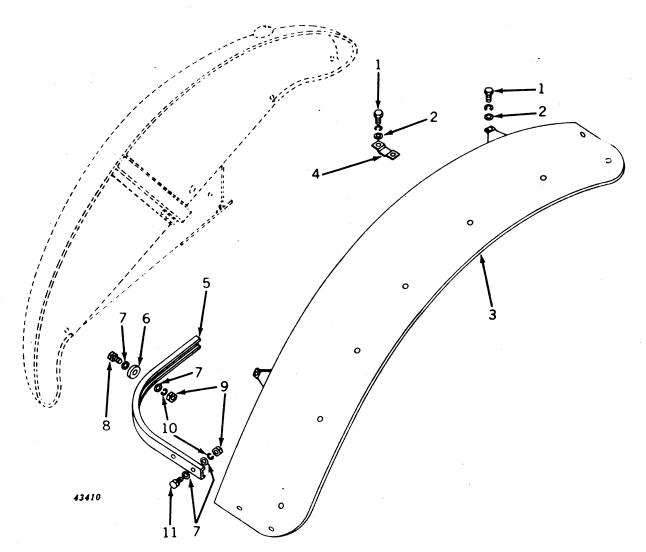
### FENDERS, PLATFORM, AND DASH



## FENDERS, PLATFORM, AND DASH -- Continued

Key	Part No.	Serial No.	Description
1	AR 1145 R	( -8199999)	Fender, L. H.
· _	AR 1551 R	(8200000-	Fender, L.H.
2	19H 1335 R	( - )	Screw, cap, 5/8" x 1-1/2" (8 used)
_	12H 15 R	( - )	Washer, lock, 5/8" (8 used)
3	16H 648 A	( - )	Rivet, 1/4" x 1/2" (4 used)
4	R 1455 R	( - )	Stop, brake latch (2 used)
5	A 3232 R	( - )	Screw, special mach., 5/16" x 1/2" (12 used) (packed 50 in a pkg.)
_	12H 10 R	( - )	Washer, lock, 5/16" (12 used)
6	24H 143 R	( - )	Washer, 21/64" x 3/4" 16 gauge (26 used) (sub. for 24H39R)
7	H 1085 R	( - )	Screw, special mach., 5/16" x 3/4" (2 used) (packed 50 in a pkg.)
_	12H 10 R	( - )	Washer, lock, 5/16" (2 used)
8	AR 1163 R	( -8299999)	Dash
_	AR 20411 R	(8300000-	Dash
9	AR 1144 R	( -8199999)	Fender, R.H.
	AR 1550 R	(8200000-	Fender, R.H.
10	24H 143 R	( - )	Washer, 21/64" x 3/4" x 16 gauge (12 used)
11	19H 99 R	( - )	Screw, special cap, 5/16" x 9/16" (12 used)
	12H 10 R	( - )	Washer, lock, 5/16" (12 used)
12	AR 1217 R	( - )	Shield, mud (2 used) (cane and rice equipment)
13	21H 1023 E	( - )	Screw, mach., 1/4" x 5/8" (4 used) (cane and rice equipment) (sub. for 21H605R)
14	12H 9 R	( - )	Washer, lock, 1/4" (4 used) (cane and rice equipment)
15	14H 786 M	· - 5	Nut, 1/4" (4 used) (cane and rice equipment) (sub. for 14H251R)
16	AR 1162 R	<b>(</b> -8199999)	Platform (sub. AR1564R)
	AR 1564 R	(8200000- )	Platform (C.E.)
	AR 20779 R	(8300000-	Platform (elec.)
17	14H 785 R	- }	Nut, 5/16" (2 used)
18	12H 10 R	· - · ·	Washer, lock, 5/16" (2 used)
19	R 1679 R	( -8301897)	Plate, universal shield pivot (sub. AR21407R)
	AR 21407 R	(8301 <b>8</b> 98- )	Plate, universal shield pivot, with brace
	R 21238 R	(8301898-	Brace, pivot plate
20	19H 1118 N	- 5	Screw, cap, 5/16" x 7/8" (2 used) (sub. for 19H110R)
21	12H 10 R	· -	Washer, lock, 5/16" (4 used)
22	14H 785 R	· - ·	Nut, 5/16" (4 used)
<b>2</b> 3	AR 1714 R	· - ·	Box, tool (sub. for AR1164R)
24	H 1085 R	· ( - )	Screw, special mach., 5/16" x 3/4" (4 used) (packed 50 in a pkg.)
25	H 1085 R	· - ·	Screw, special mach., 5/16" x 3/4" (6 used) (packed 50 in a pkg.)
	12H 10 R	( - )	Washer, lock, 5/16" (6 used)
		•	

## FENDER EXTENSION (Serial No. 8000001-8199999)



Key	Part No.	Serial No.	Description	
1	19H 1112 H	( -8199999)	Screw, cap, 5/16" x 3/4" (8 used)	
	12H 10 R	( -8199999)	Washer, lock, 5/16" (8 used)	
2	24H 39 R	( -8199999)	Washer, 21/64" x 3/4" x 20 gauge (8 used)	
3	AR 982 R	( <b>-81</b> 99999)	Extension, fender (2 used)	
4	AA 4573 R	( -8199999)	Clamp, with nuts (2 used)	
5	R 1205 R	( -8199999)	Support, fender extension (4 used)	
6	B 2167 R	( -8199999)	Spacer (4 used)	
7	24H 154 R	( -8199999)	Washer, $25/64'' \times 7/8'' \times 16$ gauge (40 used)	
8	19H 11 <b>16</b> N	( -8199999)	Screw, cap, 3/8" x 1-1/2" (4 used) (sub. for 19H230H)	
9	14H 812 C	( -8199999)	Nut, 3/8" (20 used) (sub. for 14H255R)	
10	12H 11 R	( -8199999)	Washer, lock, 3/8" (20 used)	
11	19H 218 D	( -8199999)	Screw, cap, 3/8" x 1" (16 used) (sub. for 19H211R)	

Part listed below is an assembly of parts in this grouping.

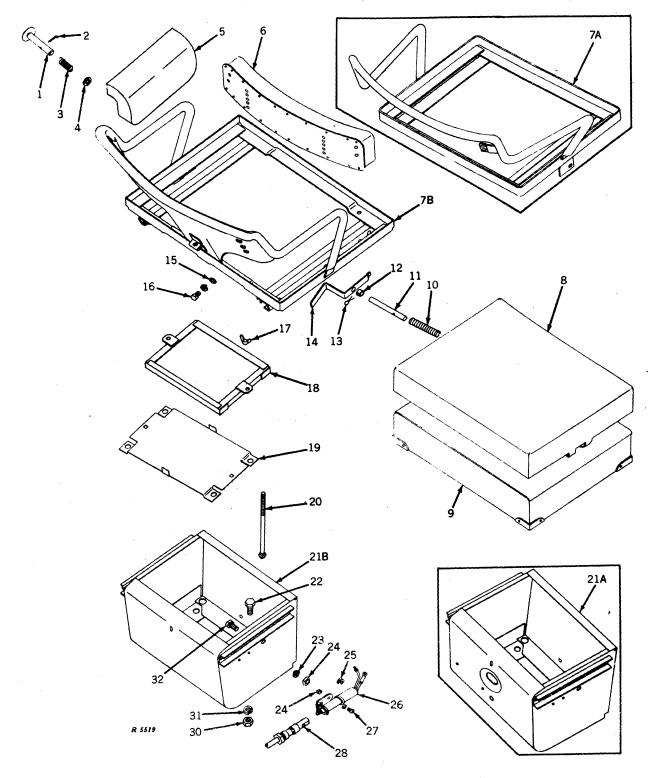
AR 981 R ( -8199999) EXTENSION, FENDER (SET OF TWO, WITH CLAMP, SUPPORT, AND HDW.) (ATTACHMENT)

#### TRACTOR CAB AND WEATHERBRAKE

Parts listed below are not illustrated.

```
Parts for AR1473R and AR1474R Tractor Cabs for 80 Tractors (Sub. for AR1030R and AR1031R)
                                             (Cab Serial No. 5148-6849)
   Part No.
                       Serial No.
                                                         Description
                            -8199999)
 AR
       997 R
                                          CURTAIN, TRACTOR CAB (ATTACHMENT)
                                         Weatherstrip, cab windshield (rubber) (2 used)
FRAME, TRACTOR CAB (ATTACHMENT) (SUB. FOR AR1031R)
TOP, TRACTOR CAB (ATTACHMENT) (SUB. FOR AR1030R)
      1017 R
                            -8199999)
AR
                            -8199999)
      1473 R
 AR
      1474 R
                            -8199999)
AR
                            -8199999)
      1226 R
R
                                          Glass, cab windshield (2 used)
R
      1251 R
                            -8199999)
                                          Glass, cab side (2 used)
R
      1921 R
                            -8199999)
                                          Weatherstrip, cab to cowl (rubber) (sub. for R1229R)
     Parts for AR21326R and AR21335R Tractor Cabs for 820 and 830 Tractors (Sub. for AR1706R and AR1707R)
                                             (Cab Serial No. 6850-
       997 R
                   (8200000-
AR
                                          CURTAIN, TRACTOR CAB (ATTACHMENT)
                                         Weatherstrip, cab windshield (rubber) (2 used)
FRAME, TRACTOR CAB (ATTACHMENT) (SUB. FOR AR1706R)
AR
      1017 R
                   (8200000-
AR 21326 R
                   (8200000-
                                          TOP, TRACTOR CAB (ATTACHMENT) (SUB. FOR AR1707R)
AR 21335 R
                   (8200000-
R
      1226 R
                   (8200000-8299999)
                                          Glass, cab windshield (2 used)
R
      1251 R
                   (8200000-
                                          Glass, cab side (2 used)
R
      1921 R
                   (8200000-
                                         Weatherstrip, cab to cowl (rubber)
R
      2588 R
                   (8200000-
                                         Weatherstrip, cab side to fender (rubber) (2 used)
                                          Glass, cab windshield (2 used) (cab serial no. 8916-
R
     21162 R
                   (8200000-
AR
    21391 R
                   (8200000-8299999)
                                         Bracket, cab, field service kit (cab serial no. 6850-
                           Parts for AR21236R Tractor Weatherbrake (Sub. for AR1887R)
AR 20143 R
                                         Windshield, tractor weatherbrake, side, with frame (2 used)
                                         Windshield, tractor weatherbrake, front, less frame (2 used)
    20123 R
R
    20124 R
                                         Frame, tractor, weatherbrake windshield, front (2 used)
                                         PANELS, ENGINE, WEATHERBRAKE, USE WITH WEATHERBRAKE AND
AR 21733 R
                                           WEATHERBRAKE CAB (ATTACHMENT)
                 Parts for AR21237R and AR20236R Tractor Weatherbrake Cabs (Sub. for AR1749R)
AR 20146 R
                                         Window, weatherbrake cab side, with frame (4 used)
    20127 R
R
                                         Windshield, weatherbrake cab, front, less frame
                                         Windshield, weatherbrake cab, side, less frame (2 used)
PANELS, ENGINE, WEATHERBRAKE, USE WITH WEATHERBRAKE AND
    20128 R
AR 21733 R
                                           WEATHERBRAKE CAB (ATTACHMENT)
AR 21843 R
                                         WINDOW, CAB SIDE, WITH FRAME (4 USED) (ATTACHMENT)
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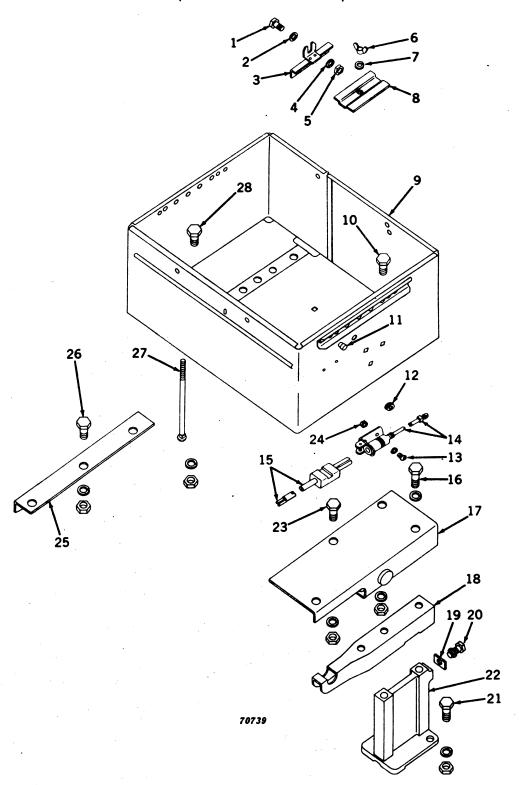
REGULAR SEAT (C.E. and Elec.) AND BATTERY BOX (C.E.)



REGULAR SEAT (C.E. and Elec.) AND BATTERY BOX (C.E.) -- Continued

```
Key
           Part No.
                                Serial No.
                                                                  Description
         AR 20086 R
                           (8300000-
                                                  Pin, with washer, seat lock (elec.)
                                                  Pin, cotter, 3/32" (elec.) (sub. for 11H19R)
               206 R
                           (8300000-
  2
         11H
  3
              1463 R
                           (8300000-
                                                  Spring, seat lock pin (elec.)
                                                  Washer, 29/64" x 13/16" x 26 gauge (elec.)
        24H
                 2 R
                           (8300000-
  4
                                                  CUSHION, SEAT ARM (BLACK) (SET OF 2) (ATTACHMENT)
  5
        AA
              6022 R
         AF
              3272 R
                                                  CUSHION, SEAT ARM (YELLOW) (SET OF 2) (ATTACHMENT)
  6
                                    -8199999)
        ΑB
              3624 R
                                                  Cushion, seat back
              5357 R
                           18200000-
                                                  Cushion, seat back (black)
        AA
                           (8200000-
         ΑF
              3271 R
                                                  Cushion, seat back (yellow)
  7A
        AB
              3930 R
                                    -8199999)
                                                  Frame, seat
                           (8200000-
  7B
         AR
              1539 R
                                                  Frame, seat (C.E.)
                                                  Frame, seat, with adjusting pin (elec.)
        AR
             20231 R
                           (8300000-
                                                  COVER, SEAT (WHITE CANVAS') (ATTACHMENT)
              3984 R
  8
        AΒ
        ΑB
              4035 R
                                                  Cushion, seat (black)
             26932 R
        AR
                                                  Cushion, seat (yellow) (sub. for AF3268R)
        AA
              4847 R
                                                  Cushion, seat (black) (special all-rubber)
        AF
              3269 R
                                                  Cushion, seat (yellow) (special all-rubber)
                                                  Cushion, economy seat (black) (packed 5 in a pkg.) (can be used to
        AR
             30180 R
                                                    replace AB4035R) (not a substitute)
        AR 30181 R
                                                  Cushion, economy seat (yellow) (can be used to replace AF3268R)
                                                    (not a substitute)
10
              2672 R
        R
                                                  Spring, seat-adjusting pin (C.E.)
                                                  Pin, seat-adjusting (C.E.)
              2670 R
11
        В
12
        В
              2671 R
                                                  Spacer (C.E.)
13
                                                 Pin, cotter, 1/8" x 1" (C.E.) (sub. for 11H41R)
        11H
               236 R
              2669 R
14
                                                 Lever, seat-adjusting (C.E.)
        В
                                                 Washer, lock (4 used) (sub. for A3012R)
15
        12H
               253 R
                                                 Screw (4 used) (packed 50 in a pkg.) (sub. for A4192R) Washer, 9/32" x 1/2" x 16 gauge (4 used) Nut, wing (2 used) (packed 25 in a pkg.) (C.E.)
16
        19H 1115 N
                           (8300000-
               132 R
        12H
17
              1572 R
        AΒ
                                                 Clamp, battery (C.E.)
18
             3586 R
19
             1326 R
        AR
                                                 Base, battery (C.E.)
20
                                                 Bolt, special cge., 1/4" x 9" (2 used) (C.E.)
             2566 R
                                                 Box, battery (C.E.)
21 A
        AB
             4101 R
                                   -8199999)
21B
                           (8200000-
        AR
             1565 R
                                                 Box, battery (C.E.)
                                                 Screw, cap, 3/8" x 1" (4 used) (C.E.) (sub. for 19H211R) Washer, lock, 3/8" (C.E.)
22
               218 N
        19H
23
        12H
               11 R
                                                 Nut, sq., 3/8" (C.E.)
24
        14H
               190 R
25
             2579 R
        R
                                                 Grommet (packed 2 in a pkg.) (C.E.) (sub. for B1580R)
                                                 Socket, electrical outlet (C.E.)
26
        AM
             2049 T
27
       21H
              404 R
                                                 Screw, mach. (2 used) (C.E.)
       12H
              251 R
                                                 Washer, lock (2 used) (C.E.) (sub. for A3010R)
28
       AA
             5691 R
                                                 PLUG, ELECTRICAL OUTLET, WITH CABLE (ATTACHMENT) (C.E.)
                                                 Plug, electrical outlet, less cable (C.E.)
       AA
             5692 R
29
       14H
              778 C
                                                 Nut (2 used) (C.E.) (sub. for 14H606R)
                                                 Nut, 3/8" (4 used) (C.E.) (sub. for 14H255R) Washer, lock, 3/8" (4 used) (C.E.)
30
       14H
              812 C
31
       12H
               11 R
             2272 R
                                                 Screw, special cap (packed 10 in a pkg.) (C.E.)
Parts listed below are not illustrated.
       AA
             4932 R
                                                 Kit, seat cushion parts, consisting of: cover assembly, corner brackets,
                                                   and nails for attaching corner brackets (for AA4847R and AB4035R
                                                   seat cushions)
       AB
             4095 R
                                                 Kit, seat cushion parts, consisting of: cover assembly, molded foam
                                            )
                                                   rubber topper, corner brackets, and nails for attaching corner brack-
                                                   ets (for AB4035R seat cushion)
             3458 R
       AF
                                                 PAD, SEAT (COIL SPRING) (ATTACHMENT)
       AF
             3459 R
                                                 PAD, SEAT BACK (COIL SPRING) (ATTACHMENT)
       AR 21913 R
                                            í
                                                 Cover, yellow seat back cushion (for use on AF3271R yellow seat back
                                                   cushion) (packed 5 in a pkg.)
       AR 21914 R
                                            )
                                                 Cover, black seat back cushion (for use on AA5357R black seat back
                                                   cushion (packed 5 in a pkg.)
```

BATTERY BOX (Elec.) (Serial No. 8300000-)

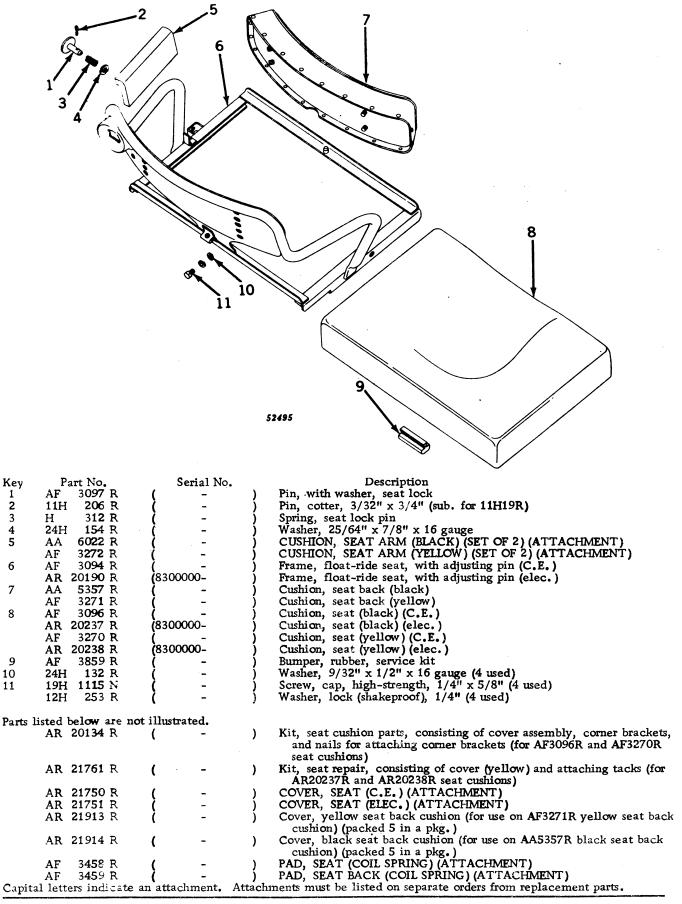


## BATTERY BOX (Elec.) -- Continued (Serial No. 8300000-)

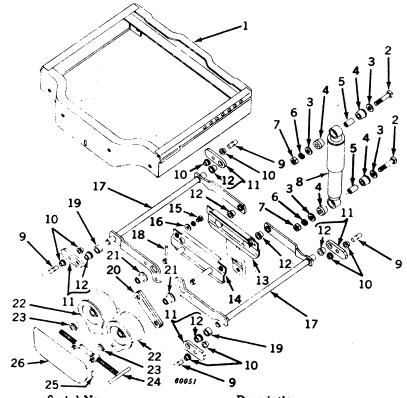
```
Key
          Part No.
                               Serial No.
                                                                Description
                99 R
        19H
                           (8300000-
                                                 Screw, cap, 5/16'' \times 9/16'' (4 used)
        24H
                          (8300000-
                                                 Washer, 21/64" x 3/4" x 16 gauge (4 used)
 2
               143 R
                                                 Clamp, battery, with clip (4 used) Washer, lock, 5/16" (4 used)
 3
        AR 20193 R
                           (8300000-
        12H
                10 R
                           ì8300000-
 5
        14H
              785 R
                          (8300000-
                                                 Nut, 5/16" (4 used)
 6
              1572 R
                          (8300000-
                                                 Nut, wing (2 used) (packed 25 in a pkg.)
                                                 Washer, 17/64" x 5/8" x 16 gauge (2 used)
        24H
              131 R
                          (8300000-
 8
            20172 R
                          (8300000-
                                                 Clamp, battery (2 used)
 9
        AR 20196 R
                          (8300000-
                                                 Box, battery (tractor equipped with float-ride seat)
        AR 20197 R
                          (8300000-
                                                 Box, battery (tractor equipped with regular seat)
Screw, cap, 1/2" x 1" (2 used)
10
        19H
              438 R
                          (8300000-
                                                 Washer, lock, 1/2" (2 used)
        12H
               13 R
                          (8300000-
                                                 Nut, 1/2" (2 used) (sub. for 14H259R)
        14H
              809 T
                          (8300000-
11
        F
             2272 R
                          (8300000-
                                                 Rivet, special, seat carriage stop (2 used) (tractor equipped with regu-
                                                   lar seat) (sub. for B2579R)
             2579 R
                                                 Grommet (packed 5 in a pkg.) (tractor equipped with regular seat)
12
        R
                          (8300000-
13
        21H
              404 R
                          (8300000-
                                                Screw, mach., rd. hd., no. 10 x 3/8" (2 used)
        12H
              251 R
                          (8300000-
                                                Washer, lock (shakeproof) (no. 10) (2 used)
14
             2049 T
        ΑM
                          (8300000-
                                                Socket, electrical outlet
15
        AA
             5691 R
                          (8300000-
                                                PLUG, ELECTRICAL OUTLET, WITH CABLE (ATTACHMENT)
        AΑ
             5692 R
                          (8300000-
                                                Plug, electrical outlet, less cable (part of AA5691R)
16
        19H 1136 H
                          (8300000-
                                                Screw, cap, 7/16" x 2-1/2" (2 used)
       12H
               12 R
                          (8300000-
                                                Washer, lock (2 used)
       AR 20780 R
                                                Bracket, battery box, R.H.
17
                          (8300000-
18
            21116 R
                          (8300000-
                                                Arm, transport
19
       R
             1191 R
                          (8300000-
                                                Spacer
20
       19H
             1056 H
                          (8300000-
                                                Screw, cap, 7/16" x 1"
                                                Washer, 7/16"
       12H
               12 R
                          (8300000-
21
       19H
             1166 H
                          (8300000-
                                                Screw, cap, high-strength, 7/16" x 1-1/2" (2 used)
                          (8300000-
                                                Washer, lock, 7/16" (2 used)
       12H
               12 R
       14H
              813 C
                          (8300000-
                                                Nut, 7/16" (2 used) (sub. for 14H257R)
       R
           20671 R
                          (8300000-
                                                Support, transport arm
       19H
23
                                                Screw, cap, 1/2" x 1" (2 used)
              438 R
                          (8300000-
       12H
               13 R
                          (8300000-
                                                Washer, lock, 1/2" (2 used)
              809 T
                                                Nut, 1/2" (2 used) (sub. for 14H259R)
       14H
                          (8300000-
                                                Nut, no. 10 (2 used) (sub. for 14H606R)
       14H
              778 H
                          (8300000-
25
       AR 20781 R
                          (8300000-
                                                Bracket, battery box, L.H.
                                                Screw, cap, 7/16" x 1"
26
       19H
            1056 H
                          (8300000-
               12 R
                          (8300000-
                                                Washer, lock, 7/16"
       12H
       14H
              813 C
                          (8300000-
                                                Nut, 7/16" (sub. for 14H257R)
27
             2566 R
                          (8300000-
                                                Bolt, cge., 1/4" x 9" (2 used)
       R
                                                Screw, cap, 1/2" x 1" (3 used)
28
       19H
              438 R
                          (8300000-
       12H
               13 R
                          (8300000-
                                                Washer, lock, 1/2" (3 used)
       14H
              809 T
                         (8300000-
                                                Nut, 1/2" (3 used) (sub. for 14H259R)
```

Key

#### FLOAT-RIDE SEAT FRAME AND CUSHIONS



#### FLOAT-RIDE SEAT (Serial No. 8000001-8299999)



```
Part No.
Key
                                Serial No.
                                                                    Description
                                     -8299999)
                                                    Skirt, float ride seat (furnished only as a part of AR20358R float-ride
                                                       seat)
 2
                                                    Screw, cap, 1/2" x 2" (2 used) (sub. for 19H475R)
Washer, 17/32" x 15/16" x 16 gauge (4 used)
                482 B
                                     -8299999)
 3
        24H
               184 R
                                     -82030991
               554 D
                                                    Washer, 17/32" x 1-3/8" x 11 gauge (4 used)
                            (8203100-8299999)
        24H
              3296 R
                                     -8299999
                                                    Bushing, rubber, shock absorber (4 used) (packed 2 in a pkg.)
              3297 R
                                     -8299999
                                                    Spacer, shock absorber (2 used)
 6
        12H
                13 R
                                     -8299999
                                                    Washer, lock (2 used) (not required)
                                                    Nut, jam, 1/2" (2 used)
        14H
               473 R
                                     -8299999
 8
              3426 R
                                     -8299999°
        AF
                                                    Shock absorber
 9
              3302 R
                                     -8299999
                                                    Pin, drive, short link to skirt (4 used)
10
        F
              3298 R
                                     -8299999
                                                    Bearing, flanged, skirt short link support (8 used) (packed 2 in a pkg.)
                                                    Link, short, with bearing (4 used)
Bearing, flanged (6 used) (packed 2 in a pkg.)
        ΑF
11
              3421 R
                                     -8299999
12
              3293 R
                                     -8299999
13
        AR
            20354 R
                                     -8299999
                                                    Bulkhead, front (sub. for AF3419R)
            20359 R
14
        AR
                                     -8299999)
                                                    Bulkhead, rear (sub. for AR1648R)
15
        19H
               103 H
                                     -8299999)
                                                    Screw, cap, high-strength, 5/16" x 5/8" (4 used) Washer, lock, 5/16" (4 used)
        12H
                10 R
                                     -8299999
16
        24H
               145 R
                                     -8299999
                                                    Washer, 11/32" x 1" x 16 gauge (4 used)
17
              6799 R
        AA
                                     -82999991
                                                    Shaft, cross, with lever arms (2 used)
18
        34H
                81 N
                                     -8299999)
                                                    Pin, roll, 3/16" x 1-1/2" (2 used)
19
        F
              3299 R
                                     -8299999)
                                                    Spacer (2 used)
20
        AR
            20353 R
                                     -8299999
                                                    Link, stabilizing (sub. for AF3425R)
21
              3295 R
                                     -8203099)
                                                    Bearing, flanged, rubber torsion spring, inner (2 used) (packed 2 in a
                                                      pkg.) (sub. F3451R and F3452R)
       F
              3452 R
                           (8203100-8299999)
                                                    Bearing, flanged, rubber torsion spring, inner (2 used) (packed 2 in a
                                                      pkg.)
       F
                           (8203100-8299999)
              3451 R
                                                    Washer, thrust, lever arm to rear bulkhead (2 used) (packed 2 in a
                                                      pkg.)
22
        AR
            20350 R
                                     -8299999)
                                                    Spring, torsion, rubber (sub. for AF3422R)
23
            20937 R
                                     -8299999)
                                                    Bearing, flanged, rubber torsion spring, outer (2 used) (packed 2 in a
       R
                                                      pkg.) (sub. for F3294R)
24
        AF
              3427 R
                                    -8299999)
                                                   Handle, adjusting
Pin, roll, 1/8" x 3/4" (2 used)
25
                41 H
                                     -8299999)
       34H
26
              3428 R
                                    -8299999)
       AF
                                                   Bar, tie, with seat adjustment instructions
```

Capital letters indicate an attachment. Attachments must be listed on separate order from replacement parts.

SEAT, FLOAT RIDE ASSEMBLY, LESS FRAME AND CUSHIONS

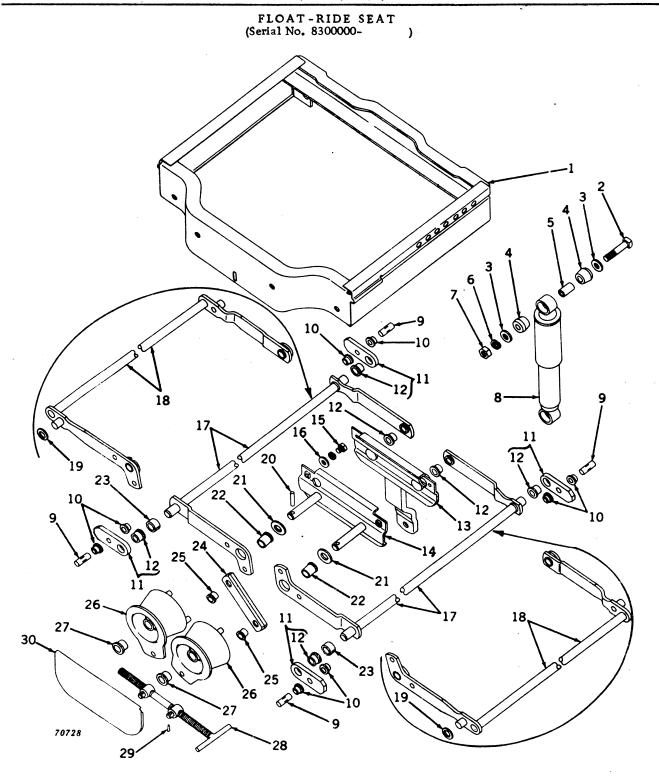
(ATTACHMENT) (SUB. FOR AR1632R)

PC-766-(3-61) Litho in U.S.A.

AR 20358 R

Part listed below is an assembly of parts in this grouping.

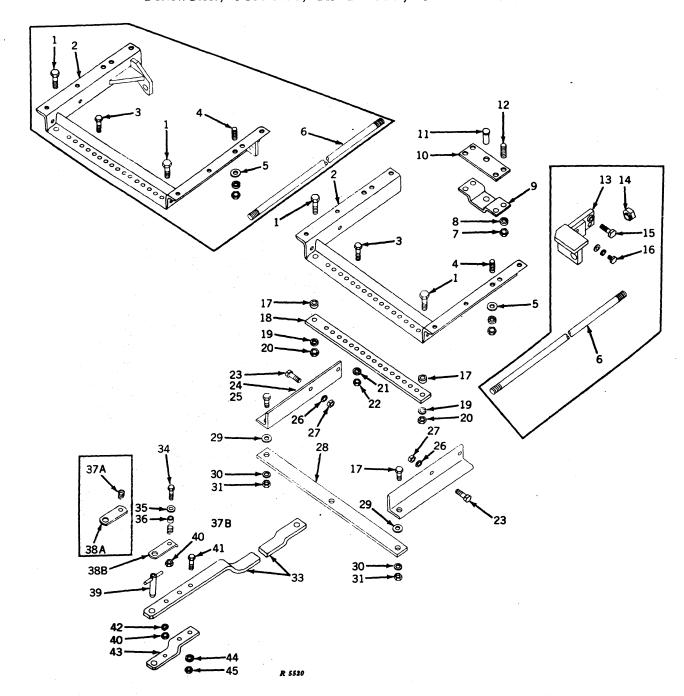
-8299999)



## FLOAT-RIDE SEAT -- Continued (Serial No. 8300000-)

```
Key
            Part No.
                                 Serial No.
                                                                      Description
                                                      Skirt, float-ride seat (furnished only as a part of AR20215R or
                             (8300000-
                                                        AR20358R float-ride seat)
                                                     Screw, cap, high-strength, 1/2" x 2-1/4" (2 used)
Washer, 17/32" x 1-3/8" x 11 gauge (4 used)
Bushing, rubber, shock absorber (4 used) (packed 2 in a pkg.)
  2
         19H
                482 B
                             (8300000-
  3
         24H
                554 D
                             (8300000-
  4
               3296 R
                             (8300000-
         F
               3297 R
                                                      Spacer, shock absorber (2 used)
  5
                             (8300000-
                             (8300000-
 6
         12H
                 13 R
                                                      Washer, lock, 1/2" (2 used) (not required)
                                                      Nut, jam, 1/2" (2 used)
         14H
                473 R
                             (8300000-
                             (8300000-
                                                      Shock absorber
 8
         AF
               3426 R
 Q
               3302 R
                             (8300000-
                                                      Pin, drive, short link to skirt (4 used)
                             (8300000-
10
        F
               3298 R
                                                      Bearing, flanged, skirt short link support (8 used) (packed 2 in a pkg.)
11
        AF
               3421 R
                             (8300000-
                                                      Link, short, with bearing (4 used)
12
               3293 R
                             (8300000-
                                                      Bearing, flanged (6 used) (packed 2 in a pkg.)
13
        AR 20354 R
                             (8300000-
                                                      Bulkhead, front
                                                     Bulkhead, rear (C.E.)
Bulkhead, rear (elec.)
        AR 20359 R
                             (8300000-
14
        AR 20355 R
                             (8300000-
15
        19H 1255 T
                             (8300000-
                                                     Screw, cap, high-strength, 3/8" x 5/8" (4 used)
                                                     Washer, lock, 3/8" (4 used)
Washer, 25/64" x 7/8" x 16 gauge (4 used)
        12H
                            (8300000-
                11 R
                             (8300000-
16
        24H
               154 R
              6799 R
17
        AA
                             (8300000-
                                                     Shaft, cross, with lever arms (2 used) (C.E.)
        AR 20426 R
                             (8300000-
18
                                                     Shaft, cross, with lever arms (2 used) (elec.)
19
                            (8300000-
        R
             20317 R
                                                     Spacer (2 used) (elec.)
20
        34H
                81 N
                            (8300000-
                                                     Pin, roll, 3/16" x 1-1/2" (2 used)
                                                     Washer, thrust (2 used) (packed 2 in a pkg.)
21
               3451 R
        F
                            18300000-
22
        F
               3452 R
                            (8300000-
                                                     Bearing, flanged, rubber torsion spring, inner (2 used) (packed 2 in a
                                                        pkg.)
23
               3299 R
                            (8300000-
                                                     Spacer (2 used) (C.E.)
        AR 20353 R
24
                            (8300000-
                                                     Link, stabilizing
                                                     Bearing, stabilizing link (2 used)
25
        R
             20236 R
                            (8300000-
        AR 20350 R
26
                             /8300000-
                                                     Springs, torsion, rubber, R.H. and L.H.
27
                                                     Bearing, flanged, rubber torsion spring, outer (2 used) (packed 2 in a
        R
             20937 R
                            (8300000-
                                                        pkg.)
28
        ΑF
              3427 R
                            (8300000-
                                                     Handle, adjusting
29
        34H
                41 H
                            (8300000-
                                                     Pin, roll, 1/8" x 3/4" (2 used)
30
        ΑF
              3428 R
                            (8300000-
                                                     Bar, tie, with seat adjustment instructions
Parts listed below are an assembly of parts in this grouping.
                                                     Seat, float-ride (C.E.), less frame and cushions
Seat, float-ride (elec.), less frame and cushions
        AR 20358 R
                            (8300000-
        AR 20215 R
                            (8300000-
```

### DRAWBAR, SUPPORT, EXTENSION, AND TRUSS RODS



#### DRAWBAR, SUPPORT, EXTENSION, AND TRUSS RODS -- Continued

```
Key
            Part No.
                                 Serial No.
                                                                     Description
                                                     Screw, cap, 7/8" x 4" (2 used)
         19H 1499 K
                                      -8203849)
  2
         AR
              1118 R
                                                     Support, drawbar (sub. AR20098R)
         AR 20098 R
                             (8203850-
                                                     Support, drawbar
         AR 21509 R
                             (8300000-
                                                     Support, drawbar
         H8
              1436 H
                                                     Bolt, mach., 3/4" x 3-3/4" (2 used)
                                                     Stud, 7/8" x 3-1/8" (4 used)
         Α
               2158 R
  5
               5542 R
                                                     Washer, special (4 used)*
Washer, lock, 7/8" (4 used)
         12H
                 19 R
                                                     Nut, 7/8" (4 used)
         14H
                408 R
  6
             21281 R
                             (8300000-
         R
                                                     Rod, drawbar truss (2 used)
                                                     Nut, 7/8" (4 used)
         14H
                408 R
  8
                                                     Washer, lock, 7/8" (4 used)
                 19 R
        12H
                                      -8199999)
  9
               1321 R
                                                     Support, drawbar front
 10
        R
               1320 R
                                                     Strap, drawbar front
                                                    Pin, drawbar pivot
Stud, 7/8" x 3-11/16" (4 used) (sub. R2519R)
 11
        R
               1319 R
12
                580 R
                                      -8199999)
        R
        R
              2519 R
                            (8200000-
                                                     Stud, 7/8" \times 3-1/2" (4 used)
                            (8300000-
13
        AR 21510 R
                                                     Bracket, truss rod assembly, R.H.**
14
              2214 R
                            (8300000-
                                                     Nut, special slotted, 1-1/4" (4 used)**
15
        19H 1637 R
                            (8300000-
                                                     Screw, cap, high-strength, 7/8" x 2", R.H., truss rod bracket to
                                                       frame**
                                                    Screw, cap, high-strength, 7/8" x 2-3/4" (3 used) ** Washer, lock, 7/8"** Washer, 25/64" x 7/8" x .060" (packed 5 in a pkg.)*
              1667 R
16
        19H
                            (8300000-
                 19 R
        12H
                            (8300000-
                            i8300000-
        24H
                154 R
17
                581 R
        R
                                                    Spacer (2 used)
                                                    Support, drawbar rear, bottom
18
        R
               575 R
        12H
19
                19 R
                                                    Washer, lock, 7/8" (2 used)
                                                    Nut, 7/8" (2 used)
20
        14H
               406 T
                                                    Washer, lock, 3/4" (2 used)
21
        12H
                17 R
                                                    Nut, 3/4" (2 used) (sub. for A5405R)
Screw, cap, 7/8" x 2-3/4", Extension to support (4 used)*
22
        14H
               400 R
23
        19H 1667 R
             20110 R
                                                    Extension, drawbar side, L. H. *
        19H 1667 R
                                                    Screw, cap, 7/8" x 2-3/4" (2 used)*
26
        12H
                 19 R
                                                    Washer, lock (4 used)*
27
               408 R
                                                    Nut, 7/8" (4 used)*
        14H
             20111 R
28
        R
                                                    Support, drawbar extension*
29
              5542 R
                                                    Washer, special (2 used)*
Washer, lock, 7/8" (2 used)*
                19 R
30
        12H
        14H
               408 R
                                                    Nut, 7/8" (2 used)*
32
             20109 R
        R
                                                    Extension, drawbar side, R.H.*
33
        R
              1318 R
                                                    Screw, cap, 5/8" x 4-1/4"
34
        19H 1665 T
35
              106 R
                            (8203100-
        24H
                                                    Washer, 21/32" x 1-1/2" x 18 gauge
36
        F
              3542 R
                            (8203100-
                                                    Spacer
                                     -8203099)
               784 R
37A
        С
                                                    Spring
37B
              3541 R
                            (8203100-
                                                    Spring
                                     -82030991
38A
        R
              1160 R
                                                    Retainer, drawbar pin
38B
              3539 R
                            (8203100-
                                                    Retainer, drawbar pin
39
        AR
               937 R
                                                    Pin, drawbar, with handle
               760 R
40
        14H
                                                    Nut, hex., 5/8" (2 used) (sub. for A5771R)
                                                    Screw, cap, 3/4" x 3-1/4" (2 used)
Screw, cap, 3/4" x 4-1/2" (2 used)*
41
        19H
              1455 R
              1526 R
        19H
42
        12H
                15 R
                                                    Washer, lock, 5/8"
43
               576 R
        R
                                                    Strap, hammer
44
        12H
                17 R
                                                    Washer, lock, 3/4" (2 used)
45
               400 R
        14H
                                                    Nut, 3/4" (2 used) (sub. for A5405R)
Part listed below is not illustrated.
                           (8300000-
```

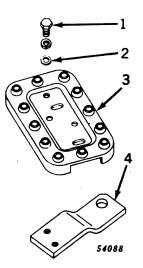
Bracket, front, truss rod, L.H.\*\*

AR 21511 R

<sup>\*</sup>Parts for 830-I.

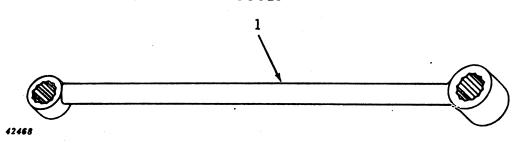
<sup>\*\*</sup>Use with front bumper on 830-I.

### TRACTOR STEP



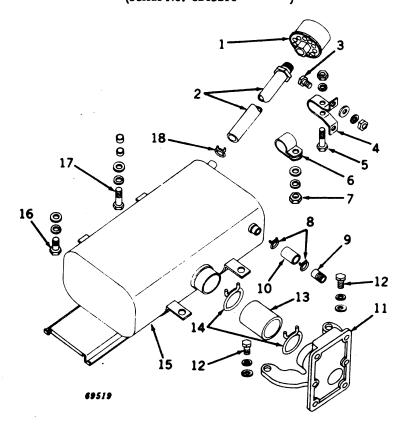
Key	Pa	rt No.	Serial No.	Description
1	F	2272 F	. ( - )	Screw, special cap (2 used)
	12H	11 F		Washer, lock, 3/8" (2 used)
2	24H	154 F	k (8200000- )	Washer
3	Α	5233 F	. ( -8199999)	Step, tractor
	F	3195 F	k (8200000- )	Step, tractor
4	R	1897 F	· ( - )	Support

TOOLS



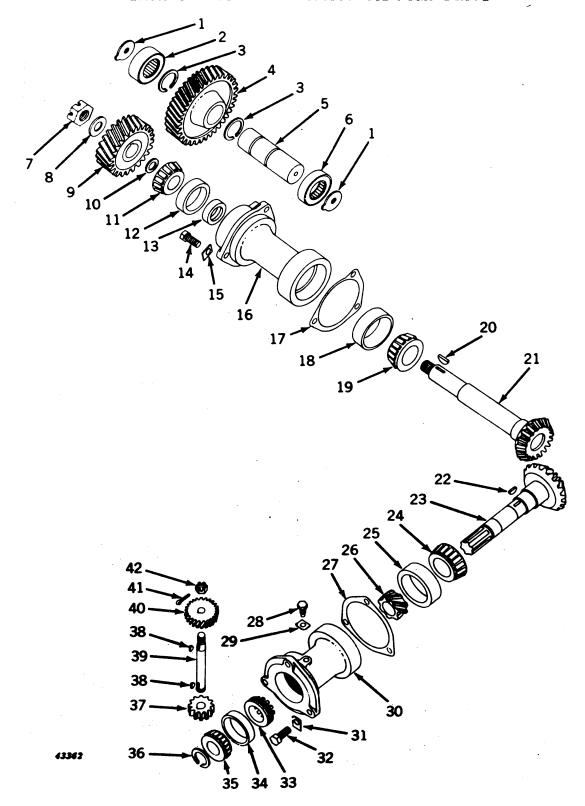
KeyPart No.Serial No.Description1B353 R( - )Wrench, lug and flywheel

# AUXILIARY RESERVOIR (Serial No. 8205210- )



1 AR 20206 R (8205210- 2 AR 20207 R (8205210- 3 19H 1112 H (8205210- 12H 10 R (8205210- 12H 11 R (8205210- 1	Key	Part No.	Serial No.	Description
19H 1112 H	1 '	AR 20206 R	(8205210-	Breather
24H 145 R (8205210-) 12H 10 R (8205210-) 14H 785 R (8205210-) 5 F 2271 R (8205210-) 12H 10 R (8205210-) 12H 154 R (8205210-) 12H 11 R (8205210-) 12H 11 R (8205210-) 13 R 20189 R (8205210-) 14H 812 C (8205210-) 15 R 20185 R (8205210-) 16 R 20189 R (8205210-) 17 R 20185 R (8205210-) 18 R 20186 R (8205210-) 19 R 20187 R (8205210-) 10 R 20189 R (8205210-) 11 R 20185 R (8205210-) 12 19H 218 D (8205210-) 13 R 20186 R (8205210-) 14 R 20188 R (8205210-) 15 AR 21347 R (8205210-) 15 AR 21347 R (8205210-) 16 19H 218 D (8205210-) 17 19H 246 T (8205210-) 24H 550 R (8205210-) 25H 11R (8205210-) 25H 11R (8205210-) 25H 11R (8205210-) 25H 11R (8205210-) 25H	2	AR 20207 R	(8205210-	Line, flexible oil, 5/8" I.D. x 39-1/2"
24H 145 R (8205210-12H 10 R (8205210-12H 11 R (8	3	19H 1112 H	(8205210-	Screw, cap, high-strength, 5/16" x 3/4" (2 used)
12H 10 R (8205210- ) Washer, lock, 5/16" (2 used)  4 R 20191 R (8205210- ) Bracket  5 F 2271 R (8205210- ) Bracket  12H 10 R (8205210- ) Bracket  12H 10 R (8205210- ) Bracket  12H 10 R (8205210- ) Washer, lock, 5/16"  6 A 4773 R (8205210- ) Washer, lock, 5/16"  7 24H 154 R (8205210- ) Washer, lock, 3/8"  14H 812 C (8205210- ) Washer, lock, 3/8"  15 R 20187 R (8205210- ) Washer, lock, 3/8"  16 R 20188 R (8205210- ) Washer, lock, 3/8" (2 used)  17 19H 218 D (8205210- ) Washer, lock, 3/8" (2 used)  18 R 20186 R (8205210- ) Washer, lock, 3/8" (2 used)  19 R 20187 R (8205210- ) Washer, lock, 3/8" (2 used)  10 R 20188 R (8205210- ) Washer, lock, 3/8" (2 used)  11 R 20188 R (8205210- ) Washer, lock, 3/8" (2 used)  12 19H 218 D (8205210- ) Washer, lock, 3/8" (2 used)  13 R 20186 R (8205210- ) Washer, lock, 3/8" (2 used)  14 R 20188 R (8205210- ) Washer, lock, 3/8" (2 used)  15 AR 21347 R (8205210- ) Clamp (2 used) (packed 2 in a pkg.)  16 19H 218 D (8205210- ) Reservoir, auxiliary (sub. for AR20205R)  16 19H 218 D (8205210- ) Washer, lock, 3/8"  17 19H 246 T (8205210- ) Washer, lock, 3/8"  18 R 20190 R (8205210- ) Washer, 11/32" x 1-1/16" x 11 gauge  24H 550 R (8205210- ) Washer, lock, 3/8"  Washer, lock, 3/8"  Washer, 11/32" x 1-1/16" x 11 gauge  Screw, cap, high-strength, 3/8" x 1-3/4"  Washer, lock, 3/8"  Washer, lock		24H 145 R	(8205210-	Washer, 11/32" x 1" x 16 gauge (2 used)
14H 785 R (8205210- ) Nut, 5/16" (2 used)  4 R 20191 R (8205210- ) Bracket  5 F 2271 R (8205210- ) Screw, special cap (packed 10 in a pkg.)  12H 10 R (8205210- ) Washer, lock, 5/16"  6 A 4773 R (8205210- ) Nut, 5/16"  7 24H 154 R (8205210- ) Washer, 25/64" x 7/8" x 16 gauge  12H 11 R (8205210- ) Washer, 25/64" x 7/8" x 16 gauge  12H 11 R (8205210- ) Washer, 25/64" x 7/8" x 16 gauge  14H 812 C (8205210- ) Washer, 10ck, 3/8" (sub. for 14H255D)  8 R 20190 R (8205210- ) Clamp (2 used) (packed 2 in a pkg.)  9 R 20187 R (8205210- ) Hose  11 R 20185 R (8205210- ) Screw, cap, high-strength, 3/8" x 1" (2 used)  12H 11 R (8205210- ) Washer, lock, 3/8" (2 used)  12H 11 R (8205210- ) Washer, 13/32" x 1-1/16" x 11 gauge (2 used)  13 R 20186 R (8205210- ) Hose  14 R 20188 R (8205210- ) Hose  15 AR 21347 R (8205210- ) Clamp (2 used) (packed 2 in a pkg.)  15 AR 21347 R (8205210- ) Reservoir, auxiliary (sub. for AR20205R)  16 19H 218 D (8205210- ) Screw, cap, high-strength, 3/8" x 1"  12H 11 R (8205210- ) Washer, 10ck, 3/8"  24H 550 R (8205210- ) Screw, cap, high-strength, 3/8" x 1"  12H 11 R (8205210- ) Washer, lock, 3/8"  24H 550 R (8205210- ) Screw, cap, high-strength, 3/8" x 1"  12H 11 R (8205210- ) Washer, lock, 3/8"  24H 550 R (8205210- ) Screw, cap, high-strength, 3/8" x 1-1/16" x 11 gauge  17 19H 246 T (8205210- ) Washer, lock, 3/8"  24H 550 R (8205210- ) Screw, cap, high-strength, 3/8" x 1-3/4"  Washer, lock, 3/8"  Washer, 10ck, 3		12H 10 R	(8205210-	Washer, lock, 5/16" (2 used)
5 F 2271 R (8205210- 12H 10 R (8205210- 14H 785 R (8205210- 6 A 4773 R (8205210- 7 24H 154 R (8205210- 12H 11 R (8205210- 10 R 20189 R (8205210- 10 R 20189 R (8205210- 11 R 20185 R (8205210- 12H 11 R (8205210- 13 R 20186 R (8205210- 14 R 20188 R (8205210- 15 AR 21347 R (8205210- 16 19H 218 D (8205210- 17 19H 246 T (8205210- 18 R 8 20190 R (8205210- 19H 218 D (8205210- 12H 11 R (8205210- 12H		14H 785 R	(8205210-	
12H 10 R (8205210- 14H 785 R (8205210- 6 A 4773 R (8205210- 7 24H 154 R (8205210- 12H 11 R (8205210- 12H 11 R (8205210- 12H 11 R (8205210- 12H 12H 11 R (8205210- 12H 13 R (8205210- 14H 812 C (8205210- 15H 14H 812 C (8205210- 16H 15H 15H 15H 15H 15H 15H 15H 15H 15H 15	4	R 20191 R	(8205210-	
12H	5	F 2271 R	(8205210-	Screw, special cap (packed 10 in a pkg.)
14H 785 R (8205210- ) Nut, 5/16"  6 A 4773 R (8205210- ) Clamp  7 24H 154 R (8205210- ) Washer, 25/64" x 7/8" x 16 gauge  12H 11 R (8205210- ) Washer, lock, 3/8"  14H 812 C (8205210- ) Nut, 3/8" (sub. for 14H255D)  8 R 20190 R (8205210- ) Clamp (2 used) (packed 2 in a pkg.)  9 R 20187 R (8205210- ) Nipple, special pipe  10 R 20189 R (8205210- ) Hose  11 R 20185 R (8205210- ) Cover, Powr-Trol valve housing  12 19H 218 D (8205210- ) Screw, cap, high-strength, 3/8" x 1" (2 used)  12H 11 R (8205210- ) Washer, lock, 3/8" (2 used)  24H 550 R (8205210- ) Washer, 13/32" x 1-1/16" x 11 gauge (2 used)  13 R 20186 R (8205210- ) Hose  14 R 20188 R (8205210- ) Hose  15 AR 21347 R (8205210- ) Reservoir, auxiliary (sub. for AR20205R)  16 19H 218 D (8205210- ) Screw, cap, high-strength, 3/8" x 1"  12H 11 R (8205210- ) Washer, lock, 3/8"  24H 550 R (8205210- ) Washer, 11/32" x 1-1/16" x 11 gauge  17 19H 246 T (8205210- ) Washer, lock, 3/8"  24H 550 R (8205210- ) Screw, cap, high-strength, 3/8" x 1-3/4"  12H 11 R (8205210- ) Screw, cap, high-strength, 3/8" x 1-3/4"  12H 11 R (8205210- ) Screw, cap, high-strength, 3/8" x 1-3/4"  12H 11 R (8205210- ) Screw, cap, high-strength, 3/8" x 1-3/4"  12H 11 R (8205210- ) Screw, cap, high-strength, 3/8" x 1-3/4"  12H 11 R (8205210- ) Screw, cap, high-strength, 3/8" x 1-3/4"  12H 11 R (8205210- ) Screw, cap, high-strength, 3/8" x 1-3/4"  12H 11 R (8205210- ) Screw, cap, high-strength, 3/8" x 1-3/4"  12H 11 R (8205210- ) Screw, cap, high-strength, 3/8" x 1-3/4"  12H 11 R (8205210- ) Screw, cap, high-strength, 3/8" x 1-3/4"  12H 11 R (8205210- ) Screw, cap, high-strength, 3/8" x 1-3/4"  12H 11 R (8205210- ) Screw, cap, high-strength, 3/8" x 1-3/4"  12H 11 R (8205210- ) Screw, cap, high-strength, 3/8" x 1-3/4"  12H 11 R (8205210- ) Screw, cap, high-strength, 3/8" x 1-3/4"  12H 11 R (8205210- ) Screw, cap, high-strength, 3/8" x 1-3/4"  12H 11 R (8205210- ) Screw, cap, hig		12H 10 R	(8205210-	
6 A 4773 R (8205210- 7 24H 154 R (8205210- 12H 11 R (8205210- 14H 812 C (8205210- 14H 812 C (8205210- 10 R 20189 R (8205210- 11 R 20185 R (8205210- 12H 11 R (8205210- 10 R 20188 R (8205210- 11 R 20185 R (8205210- 12H 11 R (8205210- 12H 11 R (8205210- 12H 11 R (8205210- 13 R 20186 R (8205210- 14 R 20188 R (8205210- 15 AR 21347 R (8205210- 16 19H 218 D (8205210- 17 19H 246 T (8205210- 24H 550 R (8205210- 3 Screw, cap, high-strength, 3/8" x 1" 3 Screw, cap, high-strength, 3/8" x 1		14H 785 R		
7 24H 154 R (8205210- 12H 11 R (8205210- 14H 812 C (8205210- 8 R 20190 R (8205210- 9 R 20187 R (8205210- 11 R 20185 R (8205210- 12H 11 R (8205210- 12H 11 R (8205210- 12H 11 R (8205210- 12H 11 R (8205210- 13 R 20186 R (8205210- 14 R 20188 R (8205210- 15 AR 21347 R (8205210- 15 AR 21347 R (8205210- 16 19H 218 D (8205210- 17 19H 246 T (8205210- 18 R (8205210- 19H 246 T (8205210- 24H 550 R (8205210- 24H 550 R (8205210- 24H 550 R (8205210- 24H 550 R (8205210- 3 R (8205210- 4 R (8205210- 4 R (8205210- 5 R (82	6	A 4773 R		
12H 11 R (8205210-		24H 154 R	<b>(820521</b> 0-	
14H 812 C (8205210- ) Nut, 3/8" (sub. for 14H255D)  8 R 20190 R (8205210- ) Clamp (2 used) (packed 2 in a pkg.)  9 R 20187 R (8205210- ) Hose  10 R 20188 R (8205210- ) Cover, Powr-Trol valve housing  12 19H 218 D (8205210- ) Screw, cap, high-strength, 3/8" x 1" (2 used)  12H 11 R (8205210- ) Washer, lock, 3/8" (2 used)  24H 550 R (8205210- ) Washer, 13/32" x 1-1/16" x 11 gauge (2 used)  13 R 20188 R (8205210- ) Hose  14 R 20188 R (8205210- ) Clamp (2 used) (packed 2 in a pkg.)  15 AR 21347 R (8205210- ) Reservoir, auxiliary (sub. for AR20205R)  16 19H 218 D (8205210- ) Washer, lock, 3/8"  12H 11 R (8205210- ) Washer, lock, 3/8"  24H 550 R (8205210- ) Washer, 11/32" x 1-1/16" x 11 gauge  17 19H 246 T (8205210- ) Washer, lock, 3/8"  24H 550 R (8205210- ) Clamp (packed 2 in a pkg.)  Part listed below is not illustrated,  AR 20204 R (8205210- ) Housing, R20192R, Powr-Trol and powershaft (see pages 70-5 and		12H 11 R	<b>(</b> 8205210-	
8 R 20190 R (8205210- 9 R 20187 R (8205210- 10 R 20189 R (8205210- 11 R 20185 R (8205210- 12 19H 218 D (8205210- 13 R 20186 R (8205210- 14 R 20188 R (8205210- 15 AR 21347 R (8205210- 16 19H 218 D (8205210- 17 12H 11 R (8205210- 18 R 20186 R (8205210- 19		14H 812 C	(820 <b>52</b> 10-	
9 R 20187 R (8205210- ) Nipple, special pipe 10 R 20189 R (8205210- ) Hose 11 R 20185 R (8205210- ) Cover, Powr-Trol valve housing 12 19H 218 D (8205210- ) Screw, cap, high-strength, 3/8" x 1" (2 used) 12H 11 R (8205210- ) Washer, lock, 3/8" (2 used) 24H 550 R (8205210- ) Washer, 13/32" x 1-1/16" x 11 gauge (2 used) 13 R 20186 R (8205210- ) Hose 14 R 20188 R (8205210- ) Clamp (2 used) (packed 2 in a pkg.) 15 AR 21347 R (8205210- ) Screw, cap, high-strength, 3/8" x 1" 12H 11 R (8205210- ) Washer, lock, 3/8" 24H 550 R (8205210- ) Washer, lock, 3/8" 24H 550 R (8205210- ) Washer, 11/32" x 1-1/16" x 11 gauge 17 19H 246 T (8205210- ) Washer, 11/32" x 1-1/16" x 11 gauge 18 R 20190 R (8205210- ) Washer, 3/8" x 1-3/4" 12H 11 R (8205210- ) Washer, lock, 3/8" 24H 550 R (8205210- ) Washer, 3/8" x 1-1/16" x 11 gauge 19 Screw, cap, high-strength, 3/8" x 1-3/4" 12H 11 R (8205210- ) Washer, 10ck, 3/8" 24H 550 R (8205210- ) Washer, 3/8" x 1-1/16" x 11 gauge 19 Screw, cap, high-strength, 3/8" x 1-3/4" 12H 11 R (8205210- ) Washer, 3/8" x 1-1/16" x 11 gauge 19 Screw, cap, high-strength, 3/8" x 1-3/4" 10 Screw, cap, high-strength, 3/8" x 1-3/4" 10 Screw, cap, high-strength, 3/8" x 1-3/4" 11 Sauge 12 Screw, cap, high-strength, 3/8" x 1-3/4" 12 Screw, cap, high-strength, 3/8" x 1 Screw, cap, high-str	8	R 20190 R	(8205210-	
10 R 20189 R (8205210- 11 R 20185 R (8205210- 12 19H 218 D (8205210- 12H 11 R (8205210- 24H 550 R (8205210- 15 AR 21347 R (8205210- 16 19H 218 D (8205210- 17 11 R (8205210- 18 R 20188 R (8205210- 19 R 20188 R (8205210- 10 Reservoir, auxiliary (sub. for AR20205R) 10 19H 218 D (8205210- 11 R (8205210- 12H 11 R (8205210- 13H 550 R (8205210- 15 AR 21347 R (8205210- 16 19H 218 D (8205210- 17 19H 246 T (8205210- 18 11 R (8205210- 19 Reservoir, auxiliary (sub. for AR20205R) 17 19H 246 T (8205210- 18 R 20190 R (8205210- 19 Reservoir, auxiliary (sub. for AR20205R) 19 Reservoir, auxiliary (sub. for AR20205R) 19 Reservoir, auxiliary (sub. for AR20205R) 10 Reservoir, auxiliary (sub. for AR20205R) 11 R (8205210- 19 Reservoir, auxiliary (sub. for AR20205R) 11 R (8205210- 10 Washer, lock, 3/8" 11 R (8205210- 11 Washer, 11/32" x 1-1/16" x 11 gauge 17 Reservoir, auxiliary (sub. for AR20205R) 18 R 20190 R (8205210- 10 Washer, lock, 3/8" 11 R (8205210- 11 R (8205210- 12 Washer, lock, 3/8" 12 R 20190 R (8205210- 13 R 20190 R (8205210- 14 R 20190 R (8205210- 15 R 20190 R (8205210- 16 R 20190 R (8205210- 17 Reservoir, auxiliary (sub. for AR20205R) 18 R 20190 R (8205210- 19 Washer, lock, 3/8" 11 R (8205210- 10 Washer, lock, 3/8" x 1-1/16" x 11 gauge 10 Screw, cap, high-strength, 3/8" x 1-3/4" 12 R 20190 R (8205210- 10 Washer, lock, 3/8" x 1-1/16" x 11 gauge 11 R 20190 R (8205210- 10 Washer, lock, 3/8" x 1-1/16" x 11 gauge 11 R 20190 R (8205210- 10 Reservoir, auxiliary (sub. for AR20205R) 11 R 20190 R (8205210- 10 Washer, lock, 3/8" x 1-1/16" x 11 gauge 11 R 20190 R (8205210- 10 Washer, lock, 3/8" x 1-1/16" x 11 gauge 11 R 20190 R (8205210- 11 R 20190	9	R 20187 R		Nipple, special pipe
11 R 20185 R (8205210- 12 19H 218 D (8205210- 12H 11 R (8205210- 24H 550 R (8205210- 14 R 20188 R (8205210- 15 AR 21347 R (8205210- 16 19H 218 D (8205210- 17 11 R (8205210- 18 11 R (8205210- 19	10	R 20189 R	(8205210-	
12 19H 218 D (8205210- 12H 11 R (8205210- 24H 550 R (8205210- 13 R 20186 R (8205210- 14 R 20188 R (8205210- 15 AR 21347 R (8205210- 16 19H 218 D (8205210- 17 19H 246 T (8205210- 17 19H 246 T (8205210- 18 R 20190 R (8205210- 19 Reservoir, auxiliary (sub. for AR20205R)  17 19H 246 T (8205210- 18 11 R (8205210- 19	11	R 20185 R		Cover, Powr-Trol valve housing
12H 11 R (8205210- 24H 550 R (8205210- 13 R 20186 R (8205210- 14 R 20188 R (8205210- 15 AR 21347 R (8205210- 16 19H 218 D (8205210- 17 19H 246 T (8205210- 18 12H 11 R (8205210- 19H 11 R (8205210- 24H 550 R (8205210- 35	12	19H 218 D		
24H 550 R (8205210-  13 R 20186 R (8205210-  14 R 20188 R (8205210-  15 AR 21347 R (8205210-  16 19H 218 D (8205210-  12H 11 R (8205210-  14		12H 11 R	(8205210-	
13 R 20186 R (8205210- 14 R 20188 R (8205210- 15 AR 21347 R (8205210- 16 19H 218 D (8205210- 12H 11 R (8205210- 17 19H 246 T (8205210- 18 12H 11 R (8205210- 19H 250 R (8205210- 19H 250 R (8205210- 19H 246 T		24H 550 R	(8205210-	
15 AR 21347 R (8205210- 16 19H 218 D (8205210- 17 12H 11 R (8205210- 18 19H 246 T (8205210- 19H 11 R (8205210- 11H 11 R (8205210- 11H 11 R (8205210- 12H 12H 13 R (8205210- 14H 350 R (8205210- 15H 3682 R (8205210- 16	13	R 20186 R	(8205210-	Hose
15 AR 21347 R (8205210- 16 19H 218 D (8205210- 12H 11 R (8205210- 24H 550 R (8205210- 12H 11 R (8205210- 24H 550 R (8205210- 12H 11 R (8205210- 24H 550 R (8205210- 32H 11 R (8205210- 32H 12H 11 R (8205210- 32H 550 R (8205210- 32H 550 R (8205210- 32H 550 R (8205210- 32H 550 R (8205210- 33H 21-1/16" x 11 gauge 34H 550 R (8205210- 35H 22H 3682 R (8205210- 35H 20190 R (820521	14	R 20188 R	(8205210-	Clamp (2 used) (packed 2 in a pkg.)
16 19H 218 D (8205210- 12H 11 R (8205210- 24H 550 R (8205210- 17 19H 246 T (8205210- 12H 11 R (8205210- 12H 11 R (8205210- 12H 11 R (8205210- 12H 11 R (8205210- 12H 1550 R (8205210- 12H 1550 R (8205210- 15 B 3682 R (8205210- 16 B 3682 R (8205210- 17 19H 246 T (8205210- 18 R 20190 R (8205210- 19 Washer, 3/8" x 1-1/16" x 11 gauge 19 Washer, 3/8" x 1-1/16" x 11 gauge 19 Spacer (2 used) 10 Screw, cap, high-strength, 3/8" x 1-3/4" 11 Washer, 3/8" x 1-1/16" x 11 gauge 11 Washer, 3/8" x 1-1/16" x 11 gauge 12 Washer, 3/8" x 1-1/16" x 11 gauge 13 Washer, 3/8" x 1-1/16" x 11 gauge 14 Washer, 3/8" x 1-1/16" x 11 gauge 15 Washer, 3/8" x 1-1/16" x 11 gauge 16 Washer, 10ck, 3/8" 17 Washer, 10ck, 3/8" 18 Washer, 10ck, 3/8" 19 Washer, 11/32" x 1-1/16" x 11 gauge 19 Washer, 10ck, 3/8" 10 Washer, 10ck, 3/8" 10 Washer, 10ck, 3/8" 10 Washer, 11/32" x 1-1/16" x 11 gauge 10 Washer, 10ck, 3/8" 10 Washer, 11/32" x 1-1/16" x 11 gauge 10 Washer, 10ck, 3/8" 1	15	AR 21347 R	(8205210-	Reservoir, auxiliary (sub. for AR20205R)
12H 11 R (8205210- ) Washer, lock, 3/8"  24H 550 R (8205210- ) Washer, 11/32" x 1-1/16" x 11 gauge  17 19H 246 T (8205210- ) Screw, cap, high-strength, 3/8" x 1-3/4"  12H 11 R (8205210- ) Washer, lock, 3/8"  24H 550 R (8205210- ) Washer, lock, 3/8"  24H 550 R (8205210- ) Washer, 3/8" x 1-1/16" x 11 gauge  B 3682 R (8205210- ) Spacer (2 used)  18 R 20190 R (8205210- ) Clamp (packed 2 in a pkg.)  Part listed below is not illustrated.  AR 20204 R (8205210- ) Housing, R20192R, Powr-Trol and powershaft (see pages 70-5 and	16			
24H 550 R (8205210- ) Washer, 11/32" x 1-1/16" x 11 gauge  17 19H 246 T (8205210- ) Screw, cap, high-strength, 3/8" x 1-3/4"  12H 11 R (8205210- ) Washer, lock, 3/8"  24H 550 R (8205210- ) Washer, 3/8" x 1-1/16" x 11 gauge  B 3682 R (8205210- ) Spacer (2 used)  18 R 20190 R (8205210- ) Clamp (packed 2 in a pkg.)  Part listed below is not illustrated.  AR 20204 R (8205210- ) Housing, R20192R, Powr-Trol and powershaft (see pages 70-5 and		12H 11 R	(8205210-	
17 19H 246 T (8205210- 12H 11 R (8205210- 24H 550 R (8205210- B 3682 R (8205210- 18 R 20190 R (8205210- AR 20204 R (8205210-  Housing, R20192R, Powr-Trol and powershaft (see pages 70-5 and		24H 550 R		
12H 11 R (8205210- ) Washer, lock, 3/8"  24H 550 R (8205210- ) Washer, 3/8" x 1-1/16" x 11 gauge  B 3682 R (8205210- ) Spacer (2 used)  18 R 20190 R (8205210- ) Clamp (packed 2 in a pkg.)  Part listed below is not illustrated.  AR 20204 R (8205210- ) Housing, R20192R, Powr-Trol and powershaft (see pages 70-5 and	17	19H 246 T	(8205210-	
24H 550 R (8205210- ) Washer, 3/8" x 1-1/16" x 11 gauge B 3682 R (8205210- ) Spacer (2 used) 18 R 20190 R (8205210- ) Clamp (packed 2 in a pkg.)  Part listed below is not illustrated. AR 20204 R (8205210- ) Housing, R20192R, Powr-Trol and powershaft (see pages 70-5 and		12H 11 R	(8205210-	
B 3682 R (8205210- ) Spacer (2 used) 18 R 20190 R (8205210- ) Clamp (packed 2 in a pkg.)  Part listed below is not illustrated. AR 20204 R (8205210- ) Housing, R20192R, Powr-Trol and powershaft (see pages 70-5 and		24H 550 R		
18 R 20190 R (8205210- ) Clamp (packed 2 in a pkg.)  Part listed below is not illustrated.  AR 20204 R (8205210- ) Housing, R20192R, Powr-Trol and powershaft (see pages 70-5 and		B 3682 R		
Part listed below is not illustrated.  AR 20204 R (8205210- ) Housing, R20192R, Powr-Trol and powershaft (see pages 70-5 and	18	R 20190 R	(8205210-	
AR 20204 R (8205210- ) Housing, R20192R, Powr-Trol and powershaft (see pages 70-5 and			•	
	Part li		illustrated.	
		AR 20204 R	(8205210- )	

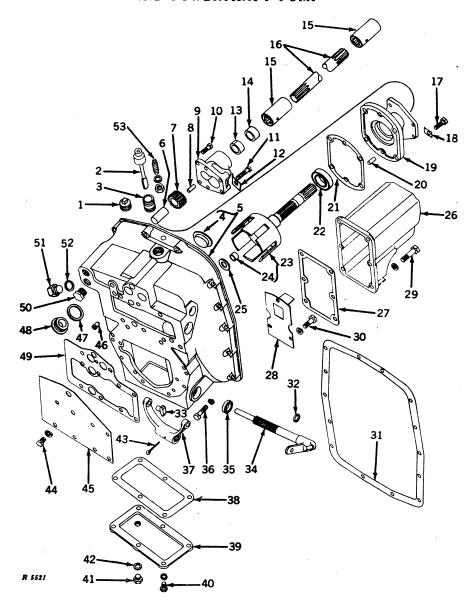
### POWERSHAFT AND TRANSMISSION OIL PUMP DRIVE



## POWERSHAFT AND TRANSMISSION OIL PUMP DRIVE -- Continued

Key	Part No.	Serial No.	Description
1	R 1619 R	( - )	Washer, thrust (2 used)
2	JD 7951 R	( - )	Bearing
3	A 2597 R	· ( - )	Snap ring (2 used)
4	R 1618 R	i - )	Gear, powershaft idler
5	R 1329 R	( -8199999)	Shaft, powershaft idler gear
_	R 2526 R	(8200000-	Shaft, powershaft idler gear
6	ID 7502 R	-8199999)	Bearing
•	JD 7951 R	(8200000-	Bearing
7	C 535 R	- ;	Nut, slotted, 1" (packed 25 in a pkg.)
8	24H 61 R	· - ·	Washer, 1-1/64" x 2" x 20 gauge
9	R 1621 R	} - S	Gear, powershaft drive
10	R 1839 R	<b>)</b> - 5	Shim (steel), .060"
11	JD 8100 R	} - \	Cone, with rollers
12	JD 7424 R	} - 1	Cup, bearing
13	AR 1337 R	<b>2</b> -8000999	Seal, oil (sub. AR20077R)
• •	AR 1471 R	(8001000-8300525)	Seal, oil (sub. AR20077R)
	AR 20077 R	(8300526-	Seal, oil
14	19H 337 N	}	Screw, cap, 7/16" x 1-1/4" (3 used)
15	A 4605 R	} - 1	Plate, lock (3 used)
16	R 1620 R	} - {	Housing, powershaft drive shaft
17	R 1622 R	} _ {	Shim (paper) (packed 10 in a pkg.)
17	R 1624 R	} - (	Shim (steel)
18	ID 8223 E	} - {	Cup, bearing
19	JD 8182 E	}	Cone, with rollers
20	26H 85 R	}	Key, Woodruff, 1/4" x 1"
21	AR 1258 R	} _ {	Shaft, powershaft drive and bevel pinion, with nut
22	26H 14 R	} _ (	Key, Woodruff, 3/16" x 3/4"
<b>2</b> 2	R 1512 R	·	Gear, powershaft bevel
24		} _ {	Cone, with rollers
25	·	·	Cup, bearing
25 26	JD 7275 R R 1630 R	}	Pinion, transmission oil pump drive
27	R 1627 R	·	Shim (steel), .005"
28	R 1649 R	·	Screw, special cap
29	H 246 R	}	Plate, lock
30	R 1625 R	}	Housing, powershaft bevel gear
31		}	Plate, lock (3 used)
32	A 4605 R 19H 337 N	· }	Screw, cap, 7/16" x 1-1/4" (3 used)
33	R 1626 R	}	Collar, bearing adjusting
34	JD 8202 R	}	Cup, bearing
35	JD 8189 R	}	Cone, with rollers
36	F 215 R	·	Snap ring (packed 2 in a pkg.)
30 37	AR 881 R	}	Gear, R398R, transmission oil pump (pkg. of 2) (1 pkg. used)
37 38	26H 70 R	}	Key, Woodruff, 1/8" x 1/2" (2 used)
39	R 1055 R	} _ {	Shaft, transmission oil pump drive
40	R 190 R	<b>)</b>	Gear, transmission oil pump drive
41	11H 236 R	} _ {	Pin, cotter, 1/8" x 1" (sub. for 11H41R)
42	14H 524 R	} - 5	Nut, slotted, 1/2"

# POWR-TROL AND POWERSHAFT HOUSING, POWERSHAFT CLUTCH DRUM WITH SHAFT, AND POWERSHAFT PUMP

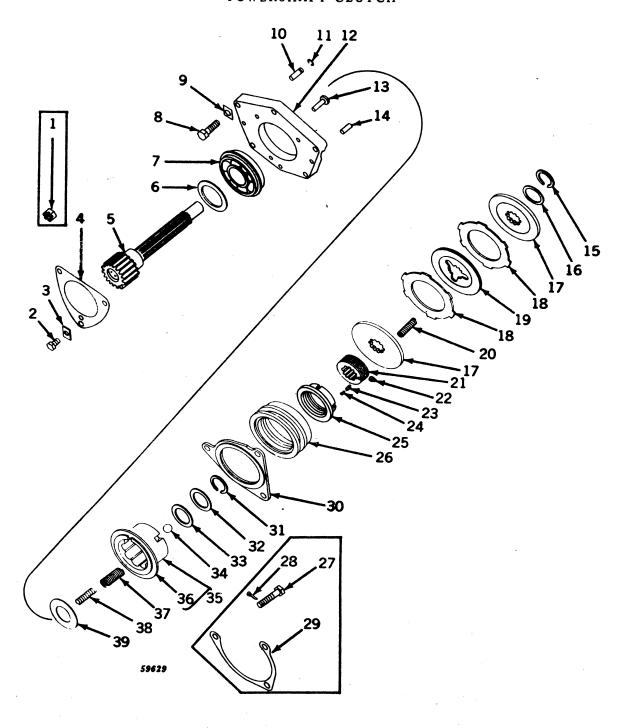


Key	Part No.	Serial No.	Description
1	15H 239 R	( -8199999)	Plug, pipe, 1" without powr-trol
	15H 241 R	(8200000- )	Plug, pipe, 1-1/2", without powr-trol
2	AR 1263 R	( -8199999)	Cap, A4683R, powr-trol oil filler, with rod
	AR 1577 R	(8200000-	Cap, R750R, powr-trol oil filler, with rod
3	29H 488 T	( -8199999)	Nipple, pipe, powr-trol oil filler
	29H 406 R	(8200000-	Nipple, pipe, powr-trol oil filler (sub. for R745R)
4	A 3256 R	( -8199999)	Plug

# POWR-TROL AND POWERSHAFT HOUSING, POWERSHAFT CLUTCH DRUM WITH SHAFT, AND POWERSHAFT PUMP -- Continued

19H337N, six 24H45R, one 29H406R, one AR1577R, two AR168SR, one AR20204R, two F317IR, one R255SR, one R255GR and one R255TR, one R255R and one R255TR, one	Key	Part No.	Serial No.	Description
R   2530 R   (\$200000-8203099)   Housing, powr-trol and powershaft (sub. AR20204R, F2223R, F3078R and 141390R)	5	AR 1379 R	( -8199999)	one AR20204R, three F2272R, two F3171R, one R2555R,
5 A 3909 R ( - ) Shaft, idler gear ( - ) Shaft, idler gear ( - ) Gear, pump idler, with bushing ( - ) Pin, dowel (2 used)		R 2530 R	(8200000-8203099)	Housing, powr-trol and powershaft (sub. AR20204R, F2223R,
7 AA 5281 R	6		(8203100-	Housing, R20192R, powr-trol and powershaft (sub. for R2728R)
8 A 4879 R ( - )   Pin, dowel (2 used)   10 A 458 R (2500478)   11 A 4569 R ( -8200478)   12			- }	
10 D 459 R ( -8200478)			( - )	Pin, dowel (2 used)
19H   218 N   (8200479-   Screw, cap., high-strength, 3/8" x 1" (2 used)   19H   246 T   (8200478)   Screw, cap., high-strength, 3/8" x 1-3/4" (2 used)   19H   246 T   (8200478-   Screw, cap., high-strength, 3/8" x 1-3/4" (2 used)   19H   246 T   (8200479-   Screw, cap., high-strength, 3/8" x 1-3/4" (2 used)   19H   246 T   (8200479-   Plate, lock (4 used)   19H   246 T   (8200479-   Plate, lock (4 used)   19H   246 T   (8200479-   Plate, lock (4 used)   19H   246 T   (800000-   Seal, oil (sub. AR20077R)   19H   337 N   (			( - ) ( -8200478)	
19				Screw, cap, high-strength, 3/8" x 1" (2 used)
12   -8200478   Wire, 16 gauge x 9" long (2 used) (sub. R1888R lock plate)	11			Screw, cap, 3/8" x 1-3/4", drilled (2 used) (sub. 19H246T and
R 1888 R (8200479-)	12			Screw, cap, high-strength, 3/8" x 1-3/4" (2 used)
13				Plate, lock (4 used)
AR   2007 R   (8001000-		A 4795 R	( - )	Bushing
15	14		· · · · · · · · · · · · · · · · · · ·	
16	15		( - )	
18			- )	Shaft, powershaft coupling
19			{ - }	
20			- }	
22			( - )	Pin, dowel (2 used)
23 AR 1289 R			}	
24 A 4797 R ( - ) Bushing 25 A 4798 R ( - ) Washer, thrust 26 R 2555 R (8200000-) Reservoir 27 R 2556 R (8200000-) Baffle, reservoir (packed 5 in a pkg.) 28 R 2557 R (8200000-) Screw, cap, high-strength, 7/16" x 1-1/4" (6 used) 29 19H 337 N (8200000-) Screw, cap, high-strength, 7/16" x 1-1/4" (6 used) 24H 45 R (8200000-) Screw, cap, high-strength, 7/16" x 1-1/4" (6 used) 30 F 2272 R (8200000-) Screw, cap, 3/8" x 3/4" (3 used) 31 R 301 R ( - ) Washer, lock, 3/8" (3 used) 32 A 3910 R ( - ) Plug in clutch fork shaft opening without powershaft 33 A 4570 R ( - ) Shaft, clutch fork (2 used) 34 R 1712 R ( - ) Shaft, clutch fork (2 used) 35 AR 613 R ( - ) Scal, oil 36 19H 255 N ( - ) Screw, cap, 3/8" x 2" (14 used) (sub. for 19H256R) 12H 11 R ( - ) Washer, lock, 3/8" (14 used) 37 A 4557 R ( - ) Fork, clutch 38 R 1732 R ( - ) Gasket (packed 5 in a pkg.) 40 19H 218 N ( - ) Gasket (packed 5 in a pkg.) 40 19H 218 N ( - ) Screw, cap, high-strength, 3/8" x 1" (6 used) (sub. for 19H211R) 41 R 222 R ( - ) Plug 42 R 229 R ( - ) Washer 43 11H 222 R ( - ) Plug 44 12 R 229 R ( - ) Washer 45 11H 22 R ( - 8001416) Screw, cap, 7/16" x 2" (sub. for 11H88R) 46 19H 314 R ( - 8001416) Screw, cap, 7/16" x 1/2" (4 used) without powr-trol 12H 12 R ( - 8001416) Washer, lock, 7/16" x 1/2" (4 used) without powr-trol			- }	
26 R 2555 R (8200000- ) Reservoir 27 R 2556 R (8200000- ) Gasket, reservoir (packed 5 in a pkg.) 28 R 2557 R (8200000- ) Baffle, reservoir 29 19H 337 N (8200000- ) Screw, cap, high-strength, 7/16" x 1-1/4" (6 used) 24H 45 R (8200000-8200478) Washer, 1/2" x 1-1/8" x .036" (6 used) (sub. A4605R lock plate) 30 F 2272 R (8200000- ) Screw, cap, 3/8" x 3/4" (3 used) 31 R 301 R ( - ) Gasket (packed 5 in a pkg.) 32 A 3910 R ( - ) Plug in clutch fork shaft opening without powershaft 33 A 4570 R ( - ) Shaft, clutch fork (2 used) 34 R 1712 R ( - ) Shaft, clutch fork 35 AR 613 R ( - ) Seal, oil 36 19H 255 N ( - ) Screw, cap, 3/8" x 2" (14 used) (sub. for 19H256R) 12H 11 R ( - ) Washer, lock, 3/8" (14 used) 37 A 4557 R ( - ) Fork, clutch 38 R 1732 R ( - ) Gasket (packed 5 in a pkg.) 39 R 1731 R ( - ) Cover, bottom 40 19H 218 N ( - ) Screw, cap, high-strength, 3/8" x 1" (6 used) (sub. for 19H211R) 41 R 228 R ( - ) Plug 42 R 229 R ( - ) Plug 43 11H 222 R ( - ) Washer, lock, 3/8" (6 used) 44 19H 314 R ( - 8001416) Screw, cap, 7/16" x 1/2" (4 used) without powr-trol 12H 12 R ( - 8001416) Washer, lock, 7/16" (4 used) without powr-trol			( - )	Bushing
27 R 2556 R (8200000-) Gasket, reservoir (packed 5 in a pkg.) 28 R 2557 R (8200000-) Baffle, reservoir 29 19H 337 N (8200000-) Screw, cap, high-strength, 7/16" x 1-1/4" (6 used) 24H 45 R (8200000-8200478) Washer, 1/2" x 1-1/8" x .036" (6 used) (sub. A4605R lock plate) 30 F 2272 R (8200000-) Screw, cap, 3/8" x 3/4" (3 used) 31 R 301 R (			(8200000 - )	
28 R 2557 R (8200000-) Baffle, reservoir 29 19H 337 N (8200000-) Screw, cap, high-strength, 7/16" x 1-1/4" (6 used) 24H 45 R (8200000-8200478) Washer, 1/2" x 1-1/8" x .036" (6 used) (sub. A4605R lock plate) 30 F 2272 R (8200000-) Screw, cap, 3/8" x 3/4" (3 used) 12H 11 R (8200000-) Washer, lock, 3/8" (3 used) 31 R 301 R (				
24H 45 R (820000-8200478) Washer, 1/2" x 1-1/8" x .036" (6 used) (sub. A4605R lock plate)  F 2272 R (8200000-				Baffle, reservoir
Screw, cap, 3/8" x 3/4" (3 used)   12H   11 R   (8200000-	29			Screw, cap, high-strength, 7/16" x 1-1/4" (6 used)  Washer 1/2" x 1-1/8" x 036" (6 used) (sub 04605P lock place)
31 R 301 R ( - ) Gasket (packed 5 in a pkg.) 32 A 3910 R ( - ) Plug in clutch fork shaft opening without powershaft 33 A 4570 R ( - ) Shoe, clutch fork (2 used) 34 R 1712 R ( - ) Shaft, clutch fork 35 AR 613 R ( - ) Seal, oil 36 19H 255 N ( - ) Screw, cap, 3/8" x 2" (14 used) (sub. for 19H256R) 12H 11 R ( - ) Washer, lock, 3/8" (14 used) 37 A 4557 R ( - ) Fork, clutch 38 R 1732 R ( - ) Gasket (packed 5 in a pkg.) 39 R 1731 R ( - ) Cover, bottom 40 19H 218 N ( - ) Screw, cap, high-strength, 3/8" x 1" (6 used) (sub. for 19H211R) 12H 11 R ( - ) Washer, lock, 3/8" (6 used) 41 R 228 R ( - ) Plug 42 R 229 R ( - ) Washer 43 11H 222 R ( - ) Pin, cotter, 3/16" x 2" (sub. for 11H88R) 44 19H 314 R ( -8001416) Screw, cap, 7/16" x 1/2" (4 used) without powr-trol 12H 12 R ( -8001416) Washer, lock, 7/16" (4 used) without powr-trol	30	F 2272 R		Screw, cap, 3/8" x 3/4" (3 used)
32 A 3910 R ( - ) Plug in clutch fork shaft opening without powershaft  33 A 4570 R ( - ) Shoe, clutch fork (2 used)  34 R 1712 R ( - ) Shaft, clutch fork  35 AR 613 R ( - ) Seal, oil  36 19H 255 N ( - ) Screw, cap, 3/8" x 2" (14 used) (sub. for 19H256R)  12H 11 R ( - ) Washer, lock, 3/8" (14 used)  37 A 4557 R ( - ) Fork, clutch  38 R 1732 R ( - ) Gasket (packed 5 in a pkg.)  39 R 1731 R ( - ) Cover, bottom  40 19H 218 N ( - ) Screw, cap, high-strength, 3/8" x 1" (6 used) (sub. for 19H211R)  12H 11 R ( - ) Washer, lock, 3/8" (6 used)  41 R 228 R ( - ) Plug  42 R 229 R ( - ) Washer  43 11H 222 R ( - ) Pin, cotter, 3/16" x 2" (sub. for 11H88R)  44 19H 314 R ( -8001416) Screw, cap, 7/16" x 1/2" (4 used) without powr-trol  12H 12 R ( -8001416) Washer, lock, 7/16" x 1/2" (4 used) without powr-trol	21		(8200000-	Washer, lock, 3/8" (3 used)
33 A 4570 R ( - ) Shoe, clutch fork (2 used) 34 R 1712 R ( - ) Shaft, clutch fork 35 AR 613 R ( - ) Seal, oil 36 19H 255 N ( - ) Screw, cap, 3/8" x 2" (14 used) (sub. for 19H256R) 12H 11 R ( - ) Washer, lock, 3/8" (14 used) 37 A 4557 R ( - ) Fork, clutch 38 R 1732 R ( - ) Gasket (packed 5 in a pkg.) 39 R 1731 R ( - ) Cover, bottom 40 19H 218 N ( - ) Screw, cap, high-strength, 3/8" x 1" (6 used) (sub. for 19H211R) 12H 11 R ( - ) Washer, lock, 3/8" (6 used) 41 R 228 R ( - ) Plug 42 R 229 R ( - ) Washer 43 11H 222 R ( - ) Pin, cotter, 3/16" x 2" (sub. for 11H88R) 44 19H 314 R ( -8001416) Screw, cap, 7/16" x 1/2" (4 used) without powr-trol 12H 12 R ( -8001416) Washer, lock, 7/16" (4 used) without powr-trol			} - }	Plug in clutch fork shaft opening without powershaft
35 AR 613 R ( - ) Seal, oil 36 19H 255 N ( - ) Screw, cap, 3/8" x 2" (14 used) (sub. for 19H256R) 12H 11 R ( - ) Washer, lock, 3/8" (14 used) 37 A 4557 R ( - ) Fork, clutch 38 R 1732 R ( - ) Gasket (packed 5 in a pkg.) 39 R 1731 R ( - ) Cover, bottom 40 19H 218 N ( - ) Screw, cap, high-strength, 3/8" x 1" (6 used) (sub. for 19H211R) 12H 11 R ( - ) Washer, lock, 3/8" (6 used) 41 R 228 R ( - ) Plug 42 R 229 R ( - ) Washer 43 11H 222 R ( - ) Washer 44 19H 314 R ( -8001416) Screw, cap, 7/16" x 1/2" (4 used) without powr-trol 12H 12 R ( -8001416) Washer, lock, 7/16" (4 used) without powr-trol			( - )	Shoe, clutch fork (2 used)
36       19H       255 N       ( - )       Screw, cap, 3/8" x 2" (14 used) (sub. for 19H256R)         37       A       4557 R       ( - )       Fork, clutch         38       R       1732 R       ( - )       Gasket (packed 5 in a pkg.)         39       R       1731 R       ( - )       Cover, bottom         40       19H       218 N       ( - )       Screw, cap, high-strength, 3/8" x 1" (6 used) (sub. for 19H211R)         12H       11 R       ( - )       Washer, lock, 3/8" (6 used)         41       R       228 R       ( - )       Plug         42       R       229 R       ( - )       Washer         43       11H       222 R       ( - )       Pin, cotter, 3/16" x 2" (sub. for 11H88R)         44       19H       314 R       ( -8001416)       Screw, cap, 7/16" x 1/2" (4 used) without powr-trol         12H       12 R       ( -8001416)       Washer, lock, 7/16" (4 used) without powr-trol			( - )	·
12H 11 R ( - ) Washer, lock, 3/8" (14 used)  37 A 4557 R ( - ) Fork, clutch  38 R 1732 R ( - ) Gasket (packed 5 in a pkg.)  39 R 1731 R ( - ) Cover, bottom  40 19H 218 N ( - ) Screw, cap, high-strength, 3/8" x 1" (6 used) (sub. for 19H211R)  12H 11 R ( - ) Washer, lock, 3/8" (6 used)  41 R 228 R ( - ) Plug  42 R 229 R ( - ) Washer  43 11H 222 R ( - ) Pin, cotter, 3/16" x 2" (sub. for 11H88R)  44 19H 314 R ( -8001416) Screw, cap, 7/16" x 1/2" (4 used) without powr-trol  12H 12 R ( -8001416) Washer, lock, 7/16" (4 used) without powr-trol			} - }	
38 R 1732 R ( - ) Gasket (packed 5 in a pkg.) 39 R 1731 R ( - ) Cover, bottom 40 19H 218 N ( - ) Screw, cap, high-strength, 3/8" x 1" (6 used) (sub. for 19H211R) 12H 11 R ( - ) Washer, lock, 3/8" (6 used) 41 R 228 R ( - ) Plug 42 R 229 R ( - ) Washer 43 11H 222 R ( - ) Washer 43 11H 222 R ( - ) Pin, cotter, 3/16" x 2" (sub. for 11H88R) 44 19H 314 R ( -8001416) Screw, cap, 7/16" x 1/2" (4 used) without powr-trol 12H 12 R ( -8001416) Washer, lock, 7/16" (4 used) without powr-trol	27		( - )	Washer, lock, 3/8" (14 used)
39 R 1731 R ( - ) Cover, bottom 40 19H 218 N ( - ) Screw, cap, high-strength, 3/8" x 1" (6 used) (sub. for 19H211R) 12H 11 R ( - ) Washer, lock, 3/8" (6 used) 41 R 228 R ( - ) Plug 42 R 229 R ( - ) Washer 43 11H 222 R ( - ) Pin, cotter, 3/16" x 2" (sub. for 11H88R) 44 19H 314 R ( -8001416) Screw, cap, 7/16" x 1/2" (4 used) without powr-trol 12H 12 R ( -8001416) Washer, lock, 7/16" (4 used) without powr-trol			( - )	
40 19H 218 N ( - ) Screw, cap, high-strength, 3/8" x 1" (6 used) (sub. for 19H211R) 12H 11 R ( - ) Washer, lock, 3/8" (6 used) 41 R 228 R ( - ) Plug 42 R 229 R ( - ) Washer 43 11H 222 R ( - ) Pin, cotter, 3/16" x 2" (sub. for 11H88R) 44 19H 314 R ( -8001416) Screw, cap, 7/16" x 1/2" (4 used) without powr-trol 12H 12 R ( -8001416) Washer, lock, 7/16" (4 used) without powr-trol			( - )	Cover, bottom
41 R 228 R ( - ) Plug 42 R 229 R ( - ) Washer 43 11H 222 R ( - ) Pin, cotter, 3/16" x 2" (sub. for 11H88R) 44 19H 314 R ( -8001416) Screw, cap, 7/16" x 1/2" (4 used) without powr-trol 12H 12 R ( -8001416) Washer, lock, 7/16" (4 used) without powr-trol	40		( - )	Screw, cap, high-strength, 3/8" x 1" (6 used) (sub. for 19H211R)
42 R 229 R ( - ) Washer 43 11H 222 R ( - ) Pin, cotter, 3/16" x 2" (sub. for 11H88R) 44 19H 314 R ( -8001416) Screw, cap, 7/16" x 1/2" (4 used) without powr-trol 12H 12 R ( -8001416) Washer, lock, 7/16" (4 used) without powr-trol	41		- }	
44 19H 314 R ( -8001416) Screw, cap, 7/16" x 1/2" (4 used) without powr-trol 12H 12 R ( -8001416) Washer, lock, 7/16" (4 used) without powr-trol	42	R 229 R	( - )	Washer
12H 12 R ( -8001416) Washer, lock, 7/16" (4 used) without powr-trol			( - )	Pin, cotter, 3/16" x 2" (sub. for 11H88R)
	7-1			Washer, lock, 7/16" (4 used) without powr-trol
		19H 314 R	(8001417-	Screw, cap, 7/16" x 1/2" (8 used) without powr-trol
12H 12 R (8001417- ) Washer, lock, 7/16" (8 used) without powr-trol			` ,	Washer, lock, 7/16" (8 used) without powr-trol
19H 1303 R (8001417- ) Screw, cap, 5/8" x 3/4", without powr-trol 12H 15 R (8001417- ) Washer, lock, 5/8", without powr-trol				Washer, lock, 5/8", without powr-trol
45 R 1733 R ( -8001416) Cover, without powr-trol (sub. one R1652R, one R1936R, four 19H314R, and one 19H1303R)	45			Cover, without powr-trol (sub. one R1652R, one R1936R, four
R 1936 R (8001417- ) Cover, without powr-trol	46			Cover, without powr-trol
46 AA 6314 R ( -8199999) Valve, thermal relief (2 used) 47 A 4809 R ( - ) Washer			( - 1	
48 A 4807 R ( - ) Plug	48	A 4807 R	· - }	Plug
49 R 1652 R (8001417- ) Gasket, without powr-trol (packed 2 in a pkg.)				Gasket, without powr-trol (packed 2 in a pkg.)
50 F 3191 R (8200000- ) Plug in oil line holes (2 used) (single control valve) 51 F 3128 R ( - ) Plug (sub. for F1250R)			(020000- )	ring in oil line holes (2 used) (single control valve) Plug (sub. for F1250R)
52 A .4827 R ( - ) Washer	52	A .4827 R	· ( )	
53 F 3078 R (8203100- ) Screw, special F 2223 R (8203100- ) Washer (packed 10 in a pkg.)	5 <b>3</b>			
F 2223 R (8203100- ) Washer (packed 10 in a pkg.) 14H 390 R (8203100- ) Nut, hex., 1/2"				

### POWERSHAFT CLUTCH

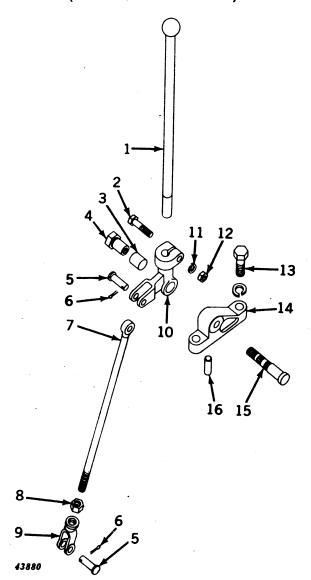


### POWERSHAFT CLUTCH -- Continued

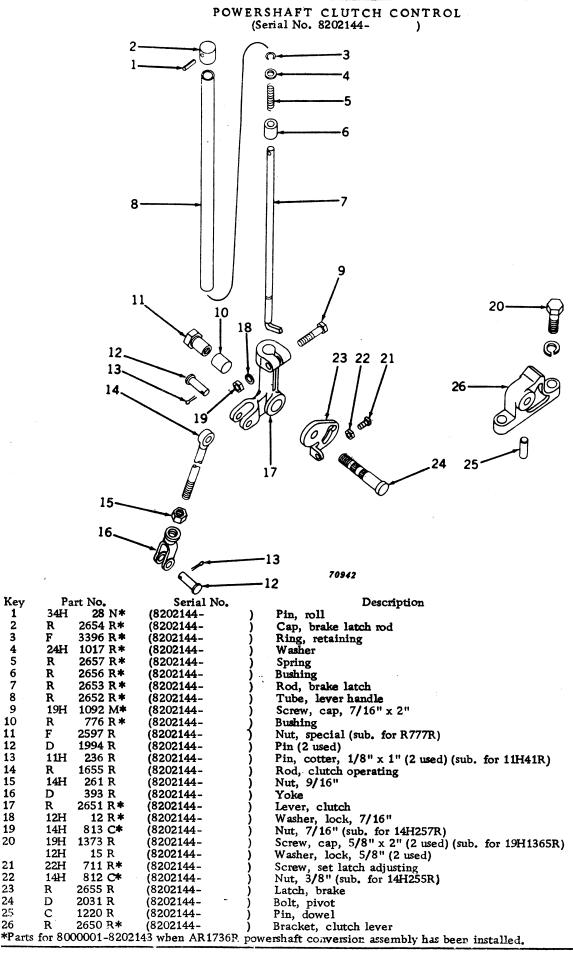
Key	P.	art No.	Serial No.	Description
1	14H		( -8202143)	Nut, slotted, 3/8" (3 used)
2	F	2272 R*	(8202144-	Screw, special cap (3 used)
3	Ŕ	1888 R*	(8202144-	Plate, lock (3 used)
4	R	1715 R	( -8202143)	Retainer, clutch bearing
•	R	2646 R*	(8202144-	Retainer, clutch bearing
5	Ŕ	1714 R	(8202143)	Shaft, clutch, and gear
Ü	R	2644 R*	(8202144-	Shaft, clutch, and gear
6	Ŕ	2645 R*	(8202144-	Washer, bearing shield
7	ĪD	8541 R	(-8202143)	Bearing, with snap ring
,	ID	8574 R*	(8202144-	Bearing, with snap ring
8	19H	360 T	(0202177- )	Screw, cap, high-strength, 7/16" x 2" (5 used) (sub. 19H353R)
9	A	4605 R	} {	Plate, lock (5 used)
10	F	3392 R*	(8202144-	Pin, brake plate (3 used)
11	F	3396 R*	(8202144-	Ring, retaining (3 used)
12	Ŕ	1713 R	( -8202143)	Cover, clutch
	AR	1719 R*	(8202144-	Cover, R2643R, clutch, with pins
13	AR	1720 R*	(8202144-	Rod, with washer, clutch adjustment indicator
14	A	4879 R	(5252111 )	Pin, dowel (2 used)
15	A	562 R	}	Snap ring
16	В	280 R	} - {	Washer (quantity as required)
17	AR	1293 R	} - {	Plate, clutch, with facing (2 used) (packed 2 in a pkg.)
18	R	1902 R	} _ {	Disk, clutch drive (12 used)
19	AR	1294 R	} _ {	Disk, clutch, with facings (11 used)
20	R	1722 R	} _ {	Spring (3 used)
21	Ā	4814 R	( -8202143)	Hub, clutch adjusting cam (sub. F3401R)
	F	3401 R*	(8202144-	Hub, clutch adjusting cam
22	Ā	4817 R	}	Screw, special set
23	Α	4816 R	· - · ·	Spring
24	16H	90 H	( )	Rivet, 1/8" x 1/4"
<b>2</b> 5	R	1719 R	( -8199999)	Cam, clutch adjusting (sub. AR20511R, F3397R, F3398R and two A4680R)
	F	3047 R	(8200000-8202143)	Cam, clutch adjusting
	F	3398 R*	(8202144- )	Cam, clutch adjusting
26	R	1718 R	( -8199999)	Collar, clutch (sub. AR20511R, F3397R, F3398R, and two A4680R)
	F	3048 R	(8200000-8202143)	Collar, clutch (sub. F3397R)
	F	3397 R*	(8202144- )	Collar, clutch
27	R	1723 R	( -8202143)	Screw, special cap (3 used)
28	11H	<b>20</b> 6 R	( -8202143)	Pin, cotter, 3/32" x 3/4" (3 used) (sub. for 11H19R)
29	Α	4680 R	( -8202143)	Shim, brake plate (4 used)
<b>3</b> 0	AR	1295 R	( -8003262)	Plate, brake, with facing (sub. AF2768R)
	AF	2768 R	(8003264- )	Plate, brake, with facing
31	Α	562 R*	(8202144- )	Snap ring cam retaining
32	F	3395 R*	(8202144- )	Washer, clutch cam
33		1013 R*	(8202144- )	Shim, clutch cam (packed 25 in a pkg.)
34	A	174 R	( - )	Ball (3 used)
<b>3</b> 5	AR	1292 R	( -8199999)	Cam, clutch, with disk (sub. AR20511R, F3397R, F3398R, and two A4680R)
	AF	2612 R	(8200000-8202143)	Cam, clutch, with disk (sub. one AR20511R and two A4680R)
	AF	3597 R*	(8202144-8299999)	Cam, clutch, with disk (sub. AR20511R)
2.0		20511 R	(8300000-	Cam, clutch, with disk
36 27	A	4574 R	· ( - )	Disk, clutch cam
37	A	4546 R*	·	Spring (9 used)
38	R	1901 R*	; - j	Spring (9 used)
39	Α	4705 R <b>*</b>	( - )	Washer

<sup>\*</sup>Parts for 8000001-8202143 when AR1736R Powershaft Conversion Assembly has been installed.

# POWERSHAFT CLUTCH CONTROL (Serial No. 8000001-8202143)



Key	Ра	rt No.		Serial No.	Description
1	R	1735 R	(	-8202143)	Handle, powershaft clutch
2	19H	360 T	į	-8202143)	Screw, cap, 7/16" x 2" (sub. for 19H353R)
3	R	776 R	ì	-8202143)	Bushing
4	F	2597 R	i	-8202143)	Nut, special (sub. for R777R)
4 5	D	1994 R	ì	-8202143)	Pin (2 used)
6	11H	236 R	į	-8202143)	Pin, cotter, 1/8" x 1" (2 used) (sub. for 11H41R)
7	R	1655 R	· (	-8202143)	Rod, clutch-operating
8	14H	261 R	i	-8202143)	Nut, 9/16"
9	D	393 R	ì	-8202143)	Yoke
10	R	1734 R	` i	-8202143)	Lever, powershaft clutch
11	12H	12 R	į	-8202143)	Washer, lock, 7/16"
12	14H	813 C	i	-8202143)	Nut, 7/16" (sub. for 14H257R)
13	19H	1373 R	Ì	-8202143)	Screw, cap, 5/8" x 2" (2 used) (sub. for 19H1365R)
	12H	15 R	į	-8202143)	Washer, lock, 5/8" (2 used)
14	R	2650 R	į	-8202143)	Bracket, clutch lever (sub. for R281R)
15	D	2031 R	i	-8202143)	Bolt, pivot
16	C	1220 R	Ì	-8202143)	Pin, dowel



Key

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R

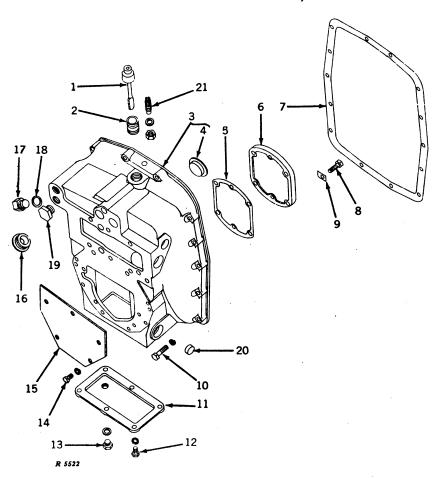
R

D

С

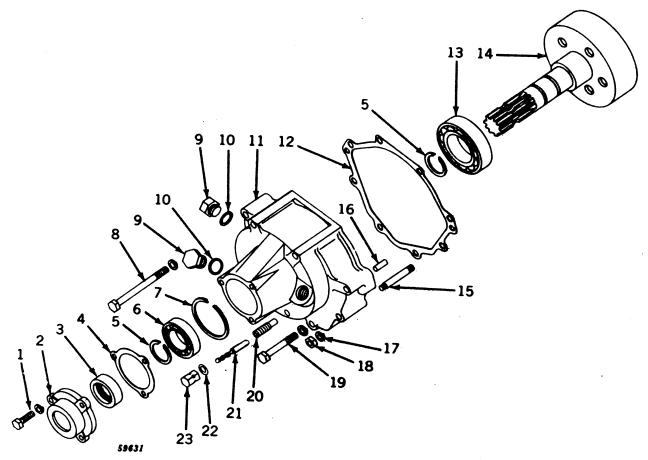
R

### POWR-TROL AND POWERSHAFT HOUSING, LESS POWERSHAFT



Key	Part No.	Serial No.	Description
1	AR 1263 R	( -8199999)	Cap, A4683R, powr-trol oil filler, with rod
	AR 1577 R	(8200000-	Cap, R750R, powr-trol oil filler, with rod
2	29H 488 T	( -8199999)	Nipple, pipe, powr-trol oil filler
_	29H 406 R	(8200000-	Nipple, pipe, powr-trol oil filler (sub. for R745R)
3	AR 1379 R	( -8199999)	Housing, R1650R, powr-trol and powershaft, with plug (sub. six 19H337N, six 24H45R, one 29H406R, one AR1577R, two AR1685R one AR20204R, three F2272R, two F3171R, one R2555R, one R2557R, one F3078R, and one F2556R)
	R 2530 R	(8200000-8203099)	Housing (sub. AR20204R, F3078R, F2223R and 14H390R)
	AR 20204 R	(8203100-	Housing, R20192R (sub. for R2728R)
4	A 3256 R	· - )	Plug
5	R 1710 R	( - )	Gasket (packed 5 in a pkg.)
4 5 6	R 1785 R	( - )	Cover, front
7	R 301 R	( - )	Gasket (packed 5 in a pkg.)
8	19H 337 N	( - )	Screw, cap, high-strength, 7/16" x 1-1/4" (4 used)
. 9	A 4605 R	( - )	Plate, lock (4 used)
10	19H 255 N	·( - )	Screw, cap, 3/8" x 2" (14 used) (sub. for 19H256R)
	12H 11 R	( - )	Washer, lock, 3/8" (14 used)
11	R 1731 R	( - )	Cover, bottom
12	19H 218 N	( - )	Screw, cap, high-strength, 3/8" x 1" (6 used) (sub. for 19H211R)
	12H 11 R	( - )	Washer, lock, 3/8" (6 used)
13	R 228 R	( - )	Plug
14	19H 317 T	( - )	Screw, cap, 7/16" x 3/4" (5 used)
	12H 12 R	( - )	Washer, lock, 7/16" (5 used)
15	R 1786 R	( - )	Cover, rear
16	A 4807 R	( - )	Plug
17	F 3128 R	( - )	Plug (sub. for F1250R)
18	A 4827 R	( - )	Washer
19	F 3191 R	(8200000-	Plug in oil line (2 used) (single control valve)
20	A 3910 R	( - )	Plug
21	F 3078 R	(8203100-	Screw, special
	F 2223 R	(8203100-	Washer (packed 10 in a pkg.)
	14H 390 R	(8203100-	Nut, hex., 1/2"

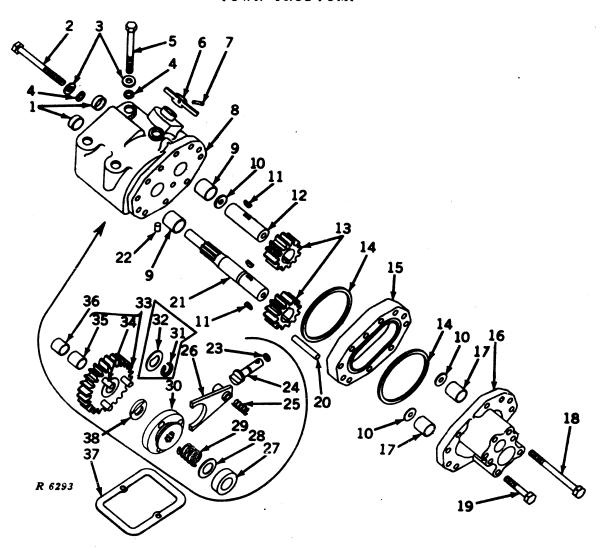
### POWERSHAFT



Key	Part No.	Serial No.	Description
1	F 2273 R	( - )	Screw, special cap (3 used) (packed 10 in a pkg.)
	12H 304	· - )	Washer, lock, 3/8" (3 used)
2	R 1728 R	( - )	Housing, powershaft oil seal
3	AF 545 R	( - )	Seal, oil
4	R 1729 R	( - )	Gasket (packed 2 in a pkg.)
4 5 6	F 267 R	( - )	Ring, snap (2 used)
6	JD 7682	( - )	Bearing
7	F 564 R	<b>(</b> - )	Ring, snap (sub. for A371R)
8	19H 2348	( - )	Screw, cap, high-strength, 7/16" x 5" (2 used)
	12H 293	( - )	Washer, lock, 7/16" (2 used)
9	F 3128 R	( - )	Plug (2 used) (sub. for F1250R)
10	A 4827 R	( - )	Washer (2 used) (packed 2 in a pkg.)
11	AR 1721 R*	( - )	Housing, R2648R or R2649R, with plugs and guide (sub. for R1725R)
12	R 1730 R	( - )	Gasket (packed 2 in a pkg.)
13	JD 8712	( - ).	Bearing
14	AR 1297 R	( - )	Gear, powershaft internal, with shaft
15	F 3646 R	( - )	Stud, 3/8" x 3" (2 used)
16	R 26630 R	( - )	Pin, dowel (sub. for A4879R)
17	12H 304	( - )	Washer, lock, 3/8" (2 used)
18	14H 812	( - )	Nut, 3/8" (2 used)
19	19H 2347	( - )	Screw, cap, high-strength, 7/16" x 3" (4 used)
	12H 293	( - )	Washer, lock, 7/16" (4 used)
20	F 3403 R*	(82021 <del>44-</del> )	Guide, clutch adjustment indicator
21	A 5850 R*	(8202144- )	Indicator, clutch adjustment
22	A 3098 R*	(8202144- )	Washer, clutch adjustment indicator (packed 5 in a pkg.)
23	F 3431 R*	(8202144- )	Nut, cap, clutch adjustment indicator

<sup>\*</sup>Parts for 8000001-8202143 when AR1736R powershaft conversion assembly has been installed.

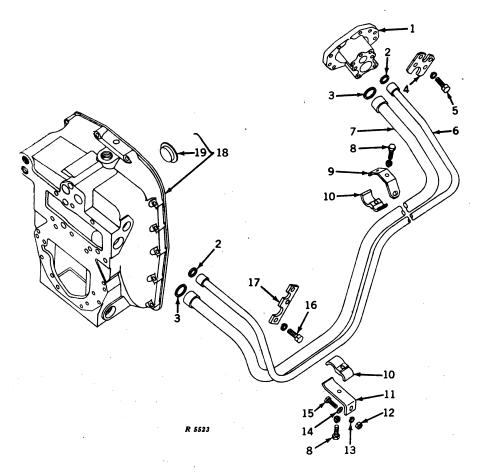
### POWR-TROL PUMP



### POWR-TROL PUMP -- Continued

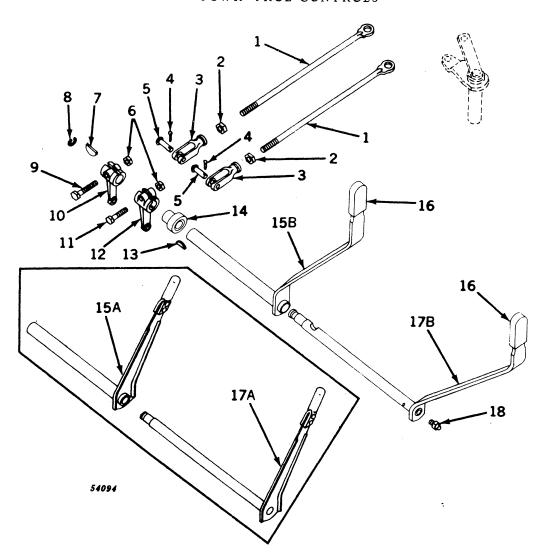
Key	Part No.	Serial No.	Description		
1	A 3910 R	( - )	Plug (2 used)		
2	19H 1145 R	( - )	Screw, cap, 3/8" x 4-1/2"		
3	A 147 R	( - )	Washer (5 used) (sub. for R1870R)		
4	A 4847 R	( - )	Gasket (5 used) (packed 2 in a pkg.)		
5	19H 1145 R	( -8000655)	Screw, cap, 3/8" x 4-1/2" (4 used)		
	19H 1145 R	(8000656- )	Screw, cap, 3/8" x 4-1/2" (3 used)		
	19H 1148 R	(8000656- )	Screw, cap, 3/8" x 3/4"		
6	F 2210 R	( - )	Handle, shifter		
7	34H 58 R	( - )	Pin, roll		
8	AR 1253 R	( - )	Housing, R1601R, powr-trol pump, with bushings		
9	A 4130 R	()	Bushing (2 used) (sub. for AA4794R)		
10	F 2102 R	( <del>-</del> )	Washer, thrust (3 used) (packed 5 in a pkg.)		
11	26H 12 H	( - )	Key, Woodruff, 1/8" x 3/4" (3 used)		
12	R 1606 R	( - )	Shaft, pump idler		
13	R 21721 R	( - )	Gear (2 used) (sub. for R1605R and R20938R)		
14	R 1608 R	( - )	Packing (2 used) (packed 10 in a pkg.)		
15	R 1607 R	( - )	Body, pump		
16	AR 1254 R	( - )	Cover, R1610R, pump, with bushings		
17	A 4130 R	( - )	Bushing (2 used) (sub. for AA4794R)		
18	19H 1145 R	( - )	Screw, cap, 3/8" x 4-1/2" (3 used)		
19	19H 1164 R	( - )	Screw, cap, $3/8$ " x 2-1/4" (6 used)		
20	R 1603 R	( - )	Pin, dowel (2 used)		
21	R 1604 R	( -8001878)	Shaft, pump drive (sub. one R1924R and one R1925R)		
	R 1924 R	(8001879-	Shaft, pump drive		
22	F 1743 R	( - )	Pin, dowel (2 used) (sub. for D186R)		
23	A 3917 R	( - )	Packing, O-ring (packed 5 in a pkg.)		
24	R 1615 R	( - )	Shaft, pump shifter		
25	A 354 R	( - )	Spring		
<b>2</b> 6	AR 1256 R	( )	Yoke, pump shifter, with guide		
27	AF 1925 R	( - )	Seal, oil (sub. two AR21900R oil seals and one R21720R spacer)		
			(sub. for AR1925R and AR21263R)		
28	24H 56 R	( - )	Washer, 29/32"x 1-1/2" x 20 gauge		
29	R 1614 R	( - )	Spring		
30	R 1609 R	( - )	Collar, pump shifter		
31	B 169 R	( -8001878)	Snap ring		
32	R 1613 R	( -8001878)	Spacer		
33	AR 1255 R	( - )	Gear, R1611R, Pump drive, with bushing and pins		
34	R 1612 R	( - )	Pin, dowel (3 used)		
35	R 1872 R	( - )	Bushing		
36	R 1872 R	( - )	Bushing		
37	R 1657 R	( - )	Gasket (packed 2 in a pkg.)		
38	R 1925 R	(8001879- j	Washer, thrust		

### POWR-TROL OIL TUBES



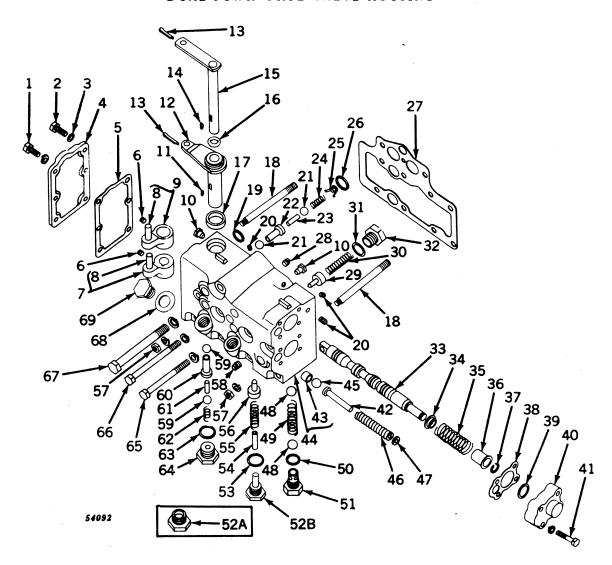
Key	Part No.	Serial No.	Description	
1	AR 1254		Cover, R1610R, pump, with bushings	
2	R 1662	R ( - )	Packing (2 used) (packed 2 in a pkg.)	
2 3	R 1663	R ( - )	Packing (2 used) (packed 10 in a pkg.)	
4	R 1664	R ( - )	Retainer	
4 5	19H 337	N ( - )	Screw, cap, high-strength, 7/16" x 1-1/4" (4 used)	
	12H 12	R ( - )	Washer, lock, 7/16" (4 used)	
6	AR 1265	R ( - )	Tube, pressure	
7	AR 1266	R ( - )	Tube, suction	
8	19H 1096 I	H ( - )	Screw, cap, high-strength, 5/16" x 1-1/2" (2 used) (sub.	
		•	for 19H130R)	
	12H 10 1	R ( - )	Washer, lock, 5/16" (2 used)	
9	R 1666	R ( - )	Bracket	
10	R 1668	R ( - )	Clamp, half (2 used)	
11	R 1667	R ( - )	Bracket	
12	14H 786	M ( -8001699)	Nut, 1/4" (sub. for 14H251R)	
	14H 812		Nut, 3/8" (sub. for 14H255R)	
13	<b>12H</b> 9 !	R ( -800 <b>1</b> 699)	Washer, lock, 1/4"	
	12H 11	R (8001700- )	Washer, lock, 3/8"	
14	24H 131	A ( -800 <b>1</b> 699)	Washer, 17/64" x 5/8" x 16 gauge	
	24H 154	R (8001700- )	Washer, 25/64" x 7/8" x 16 gauge	
<b>1</b> 5	19H 1683 '	T ( -8001699)	Screw, cap, high-strength, 1/4" x 1-1/4" (sub. for 19H32T)	
	19H 1116	N (8001700- )	Screw, cap, high-strength, 3/8" x 1-1/2" (sub. for 19H230H2)	
16	19H 337	N ( - )	Screw, cap, high-strength, 7/16" x 1-1/4" (3 used)	
	12H 12	R ( - )	Washer, lock, 7/16" (3 used)	
17	R 1665		Retainer	
18	AR 1379 1	R ( -8199999)	Housing, R1650R, powr-trol and powershaft, with plug (sub. six	
			19H337N, six 24H45R, one 29H406R, one AR1577R, two AR1685R,	
			one AR20204R, three F2272R, two F3171R, one R2555R. one	
			F2556R, one R2557R and F3078R)	
	R 2530		Housing (sub. AR2020R, F3078R, F2223R, and 14H390R)	
	AR 20204		Housing, R20192R (sub. for R2728R)	
19	A 3256 1	R ( , - )	Plug	

### POWR-TROL CONTROLS



Key	Part No.	Serial No.	Description			
1	R 1669 R	( - )	Rod, operating (2 used)			
2	14H 732 R	( - )	Nut, jam, 3/8" (2 used)			
2 3	C 284 R	i - i	Yoke (2 used)			
<b>4</b> 5	11H 236 R	i - i	Pin, cotter, 1/8" x 1" (2 used) (sub. for 11H41R)			
5	R 769 R	· - ·	Pin (2 used)			
6	14H 812 C	· - · ·	Nut, 3/8" (2 used) (sub. for 14H255R)			
7	26H 14 R	(8001967-	Key, Woodruff			
8	A 369 R	- 1	Snap ring (packed 10 in a pkg.)			
9	19H 1164 R	( -8001966)	Screw, cap, high-strength, 3/8" x 2-1/4" (sub. for 19H257H)			
	19H 246 T	(8001967-	Screw, cap, high-strength, 3/8" x 1-3/4" (sub. for 19H239T)			
10	R 1674 R	-	Arm, powr-trol operating shaft			
11	19H 255 N	} - {	Screw, cap, 3/8" x 2" (sub. for 19H256R)			
12	R 1677 R		Arm, powr-trol operating tube (dual control only)			
13	R 1678 R	}	Key, special			
14	R 2553 R	(8200000-	Adapter (single control only)			
15A	AR 1269 R	( -8199999)	Town power trol operation with the 4-1 ABASTAR			
15B	AR 1572 R	(8200000-	Lever, powr-trol operating, with tube (sub. AR1571R and AR1572R)			
101	AR 20457 R	(8300000-	Lever, powr-trol operating, with tube and grip (inner) (C. E.)			
16	F 2948 R	(8200000-	Lever, powr-trol operating, with tube and grip (inner) (elec.)			
17A	AR 1268 R	(820000-8199999)	Grip (2 used)			
17B	AR 1571 R	(8200000-	Lever, powr-trol operating, with shaft (sub. AR1571R and AR1572R)			
1/15	AR 13/11K	(0200000-)	Lever, powr-trol operating, with shaft and grip (outer) (dual control only) (C. E.)			
	AR 20456 R	(8300000-)	Lever, powr-trol operating, with shaft and grip (outer) (dual control			
40	*** ****.		only) (elec.)			
18	JD 7781	(8200000-	Fitting, grease			

### DUAL POWR-TROL VALVE HOUSING

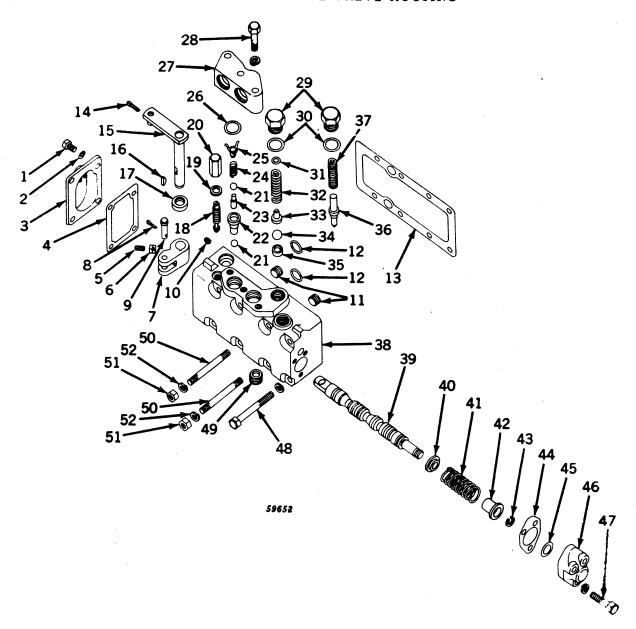


		Valve Housing	
Key	Part No.	Serial No.	Description
1	19H 218 N	(DRCV100- )	Screw, cap, high-strength, 3/8" x 1" (4 used)
	12H 11 R	(DRCV100- )	Washer, lock, 3/8" (4 used)
	F 2272 R	(DRCV100- )	Screw, cap, high-strength, center front (packed 10 in a pkg.)
2	19H 218 N	(DRCV100- )	Screw, cap, high-strength, 3/8" x 1"
3	A 3098 R	(DRCV100- )	Washer (6 used) (packed 5 in a pkg.)
4	R 1809 R	(DRCV100- )	Cover
-	R 20185 R	(DRCV100- )	Cover (used with auxillary reservoir)
5	R 1810 R	(DRCV100- )	Gasket (packed 5 in a pkg.)
6	22H 715 R	(DRCV100-349 )	Screw, set (2 used) (sub. 22H719R)
	22H 719 R	(DRCV350- )	Screw, set
	22H 720 R	(DRCV350- )	Screw, set
	14H 774 R	(DRCV350- )	Nut, jam, 3/8"
7	AR 1331 R	(DRCV100- )	Arm, R1799R, control valve, with pin, L. H.
8	R 1800 R	(DRCG100- )	Pin (2 used)
9	AR 1330 R	(DRCV100- )	Arm, R1798R, control valve, with pin, R. H.
10	AA 6314 R	(DRCV100- )	Valve, thermal relief (2 used)
11	R 1678 R	(DRCV100- )	Key, special
12	AR 1333 R	(DRCV100- )	Sleeve, control, with arm
	D 1828 R	(DRCV100- )	Spacer
13	11H 236 R	(DRCV100- )	Pin, cotter, 1/8" x 1" (2 used) (sub. for 11H41R)
14	26H 14 R	(DRCV100- )	Key, Woodruff, 3/16" x 3/4"
15	AR 1332 R	(DRCV100- )	Shaft, control, with arm
16	B 2762 R	(DRCV100- )	Packing, O-ring (packed 2 in a pkg.)
17	AR 1335 R	(DRCV100- )	Seal, oil

#### DUAL POWR-TROL VALVE HOUSING -- Continued

```
Valve Housing
  Key
            Part No.
                                 Serial No.
                                                                   Description
  18
         R
               2623 R
                                                   Stud, 7/16" x 6-1/8" (2 used) (sub. for A117R)
                            (DRCV3700-
                            (DRCV100-
  19
                495 R
                                                   Packing, O-ring (2 used) (packed 10 in a pkg.)
  20
         R
              21630 R
                            (DRCV100-2135
                                                   Plug, pipe, 1/8" (3 used) (sub. for 15H558R)
              21630 R
                                                   Plug, pipe, 1/8" (sub. for 15H558R)
         R
                            (DRCV2136-
              21629 R
                                                   Plug, pipe, 1/16" (sub. for 15H560R)
Ball, check valve (4 used)
                            (DRCV2136-
  21
               2361 R
                            (DRCV100-
  22
         R
               1811 R
                            (DRCV100-
                                                   Valve, check (2 used)
  23
         R
               1812 R
                            (DRCV100-
                                                   Shaft, check valve metering (2 used)
  24
               1280 R
                            (DRCV100-
         Α
                                                   Spring (2 used)
  25
         AR
               1336 R
                            (DRCV100-
                                                   Spring, check valve retainer, with pin (2 used)
                                                   Packing, O-ring (2 used) (packed 10 in a pkg.)
Gasket (packed 2 in a pkg.)
Plug, pipe, 1/2" (2 used) (sub. for 15H561R)
  26
         Α
               3606 R
                            (DRCV100-
 27
               1652 R
                            (DRCV100-
         R
 28
               3125 R
                            (DRCV100-
 29
         R
               1821 R
                            (DRCV100-
                                                   Detent, control valve
 30
         R
               1822 R
                            (DRCV100-
                                                   Spring, detent
 31
         Н
                851 R
                            DRCV100-
                                                   Washer
 32
         R
               1824 R
                            (DRCV100-
                                                   Plug
 33
         R
               1792 R
                            (DRCV100-
                                                   Valve, control (2 used)
 34
         R
               1794 R
                                                   Retainer, control valve spring, upper (2 used)
                            (DRCV100-
 35
         R
               1793 R
                           (DRCV100-
                                                   Spring, control valve (2 used)
         R
 36
               1795 R
                                                   Retainer, control valve spring, lower (2 used)
                           (DRCV100-
 37
         В
                387 R
                           (DRCV 100-
                                                   Snap ring (2 used) (packed 5 in a pkg.)
              1797 R
 38
         R
                           (DRCV100-
                                                   Gasket (2 used) (packed 2 in a pkg.)
Shim (steel) .006" (quantity used as required) (sub. for R1840R)
 39
         R
              1839 R
                           (DRCV100-
 40
         R
              1796 R
                           (DRCV100-2433
                                                   Cover (2 used) (sub. R1952R and R1953R)
                                                  Cover (2 used)
         R
              1952 R
                           (DRCV2434-
 41
        F
              2271 R
                           (DRCV100-
                                                   Screw, special cap (8 used)
         12H
                                                   Washer, lock, 5/16" (8 used)
                 10 R
                           (DRCV100-
 42
        R
              1953 R
                           (DRCV2434-
                                                   Guide, relief valve spring (2 used)
                                                  Seat, relief valve (2 used)
 43
        R
              1791 R
                           (DRCV100-
 44
        AR
              1329 R
                           (DRCV100-3699
                                                  Housing, R1790R, dual powr-trol, with seats (on DRCV100-2135
                                                     furnish also one 15H260R) (sub. AF3211R)
        AF
              3211 R
                           (DRCV3700-
                                                  Housing, R3190R, dual powr-trol with seats
 45
        R
              1818 R
                           (DRCV100-
                                                  Ball, relief valve (2 used)
 46
        R
              1819 R
                           (DRCV100-
                                                  Spring, relief valve (2 used) (one DRCV100-2433 also furnish
                                                     one R1952R and one R1953R)
 47
        R
              1820 R
                           (DRCV100-
                                                  Washer, shim (sub. twenty R1820R and two 24H156R)
 48
              1818 R
        R
                           (DRCV100-
                                                  Ball, detent relief valve (2 used)
49
        R
              1826 R
                           (DRCV100-
                                                  Spring, detent relief valve
                           (DRCV100-
50
        D
               465 R
                                                  Gasket (packed 5 in a pkg.)
              1827 R
51
        R
                           (DRCV100-
                                                  Seat, detent relief valve
52A
        R
              1825 R
                           (DRCV100-2433
                                                  Plug (sub. AR1487R)
52B
        AR
              1487 R
                           (DRCV2434-
                                                  Plug, with pin
53
        Н
               851 R
                           (DRCV100-
                                                  Washer
54
                          (DRCV100-2433
        AR
              1487 R
                                                  Spacer, detent stop (sub. for 28H1698R)
55
        R
              1822 R
                          (DRCV100-
                                                  Spring, detent
56
        R
              1821 R
                          (DRCV100-
                                                  Detent, control valve
57
        14H
                                                  Nut, 7/16" (2 used) (sub. for 14H257R) Washer, lock, 7/16" (2 used)
              813 C
                           (DRCV3700-
        12H
                12 R
                          (DRCV3700-
58
              3125 R
                                                  Plug, pipe, 1/2" (6 used) (sub. for 15H561R)
        Α
                          (DRCV100-
59
        D
              2361 R
                          (DRCV 100-
                                                 Ball, check valve (4 used)
60
        R
              1811 R
                          (DRCV100-
                                                  Valve, check (2 used)
61
        R
              1812 R
                          (DRCV 100-
                                                  Shaft, check valve metering (2 used)
62
        Α
              1280 R
                          (DRCV100-
                                                  Spring (2 used)
63
        Α
              3606 R
                          (DRCV100-
                                                  Packing, O-ring (2 used) (packed 10 in a pkg.)
64
        R
              1814 R
                          (DRCV100-
                                                 Plug (2 used)
        19H
65
             1687 R
                          (DRCV100-
                                                  Screw, cap, high-strength, 7/16" x 4-3/4" (4 used) (sub. for 19H405R)
        12H
                12 R
                          (DRCV100-
                                                  Washer, lock, 7/16" (4 used)
66
             1688 R
        19H
                          (DRCV100-3699
                                                  Screw, cap, high-strength, 7/16" x 5-1/2" (4 used) (sub. for
                                                    19H410R)
        12H
                12 R
                          (DRCV100-3699
                                                  Washer, lock, 7/16" (4 used)
        19H
             1688 R
                          (DRCV3700-
                                                 Screw, cap, high-stregth, 7/16" x 5-1/2" (2 used) Washer, lock, 7/16" (2 used)
        12H
                12 R
                          (DRCV3700-
57
        19H
             1574 R
                          (DRCV100-
                                                  Screw, special cap, 5/8" x 5-3/4"
                          (DRCV100-
        12H
                15 R
                                                 Washer, lock, 5/8"
68
       F
             3171 R
                          (DRCV3700-
                                                 Packing, O-ring (2 used) (packed 2 in a pkg.)
69
        15H
              238 R
                          DRCV100-3699
                                                 Plug, pipe, 3/4" (2 used)
             3191 R
                          (DRCV3700-
                                                 Plug (2 used)
```

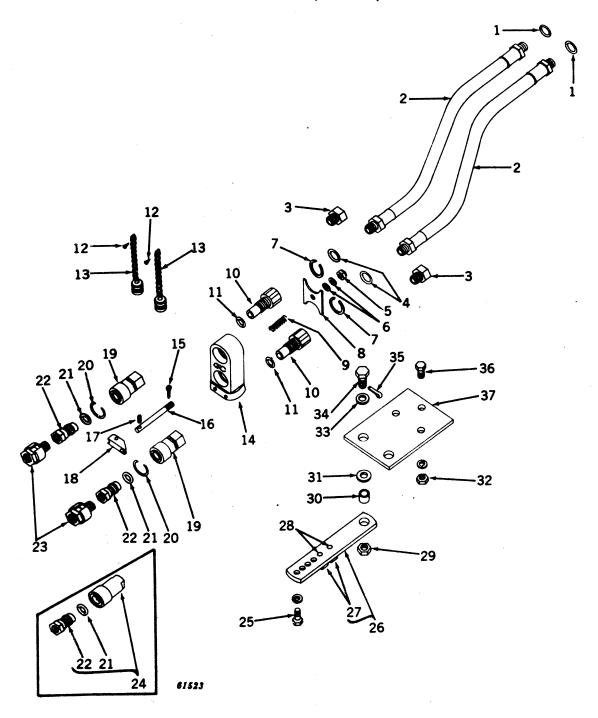
### SINGLE POWR-TROL VALVE HOUSING



## SINGLE POWR-TROL VALVE HOUSING -- Continued

			Valve Housing		
Key	Pa	rt No.	Serial No.		Description
1		1255 T	(SRCV100-	)	Screw, cap, 3/8" x 5/8" (4 used) (sub. for 19H199R)
2	A	3098 R	(SRCV100-	)	Washer (aluminum) (4 used) (packed 5 in a pkg.)
3	F	3095 R	(SRCV100-	)	Cover
4	F	3096 R	(SRCV100-	)	Gasket (packed 5 in a pkg.)
5	22H	720 R	(SRCV100-	)	Screw, set, 3/8" x 3/4"
6	14H	774 R	(SRCV100-	)	Nut, jam, 3/8"
7	F	2836 R	(SRCV100-	)	Arm, control valve
8	11H	211 R	(SRCV100-	)	Pin, cotter, 1/8" x 3/4" (sub. for 11H38R)
9	F	2353 R	(SRCV100-	)	Pin
10	15H	559 R	(SRCV100-	j	Plug, pipe, countersunk headless
11	A	3125 R	(SRCV100-	í	Plug, special pipe (2 used) (sub. for 15H561R)
12	R	495 R	(SRCV100-	)	Packing, O-ring (2 used) (packed 10 in a pkg.)
13	F	2881 R	(SRCV100-	)	Gasket (packed 2 in a pkg.)
14	11H	236 R	(SRCV100-	)	Pin, cotter, 1/8" x 1" (sub. for 11H41R)
15	AF	2906 R	(SRCV100-	j	Shaft, control, with arm
16	26H	14 R	(SRCV100-	j	Key, Woodruff, 3/16" x 3/4"
17	AF	2907 R	(SRCV100-	í	Seal, oil
18	F	2845 R	(SRCV100-	í	Screw, control by-pass
19	F	2846 R	(SRCV100-	í	Washer (aluminum) (packed 5 in a pkg.)
20	F	2847 R	(SRCV100-	í	Nut, cap
21	Ď	2361 R	(SRCV100-	í	Ball, check valve (4 used)
22	Ř	1811 R	(SRCV100-	í	Valve, check (2 used)
23	R	1812 R	(SRCV100-	í	Shaft, check valve metering (2 used)
24 24	A	1280 R	(SRCV100-	í	Spring (2 used)
25	ĀF	2908 R	(SRCV100-	í	Spring, with pin
26	A	3606 R	(SRCV100-	í	Packing, O-ring (2 used) (packed 10 in a pkg.)
27	R	2554 R	(SRCV100-	í	Adapter, oil line
28	19H	1242 M	(SRCV100-	í	Screw, cap, 7/16" x 2-3/4" (3 used)
20	12H	12 R	(SRCV100-	í	Washer, lock, 7/16" (3 used)
29	R	1824 R	(SRCV100-	í	Plug (2 used)
30	H	851 R	(SRCV100-	í	Washer (aluminum) (2 used)
31	R	1820 R	(SRCV100-	í	Washer (6 used) (sub. ten R1820R and one 24H156R)
32	F	2843 R	(SRCV100-	í	Spring, relief valve
33	F	2842 R	(SRCV100-	í	Guide, relief valve spring
34	F	2841 R	(SRCV 100-	í	Ball, relief valve
35	F	2832 R	(SRCV100-	í	Seat, relief valve
36	F	2844 R	(SRCV100-	í	Detent, control valve
37	Ŕ	1822 R	(SRCV100-	í	Spring, control valve detent
38	AF	3213 R	(SRCV 100-	í	Housing, F2831, powr-trol valve, with seat
39	R	1792 R	(SRCV100-	j	Valve, control
40	R	1794 R	(SRCV100-	í	Retainer, valve spring, upper
41	R	1793 R	(SRCV100-	í	Spring, control valve
42	R	1795 R	(SRCV100-	j	Retainer, valve spring, lower
43	В	387 R	(SRCV 100-	í	Snap ring (packed 5 in a pkg.)
44	F	2834 R	(SRCV100-	í	Gasket (packed 2 in a pkg.)
45	R	1839 R	(SRCV100-	í	Shim (steel) (8 used) (sub. for R1840R)
46	F	2833 R	(SRCV100-	í	Cover, control valve
47	19H	255 N	(SRCV 100-	j	Srcew, cap, 3/8" x 2" (2 used) (sub. for 19H256R)
-2.7	19H	246 T	(SRCV100-	í	Screw, cap, 3/8" x 1-3/4"
	12H	11 R	(SRCV 100-	í	Washer, lock, 3/8" (3 used)
48	19H	1686 R	(SRCV100-	<b>j</b> .	Screw, cap, 7/16" x 4" (6 used) (sub. for 19H398T)
20	12H	12 R	(SRCV100-	<b>5</b>	Washer, lock, 7/16" (6 used)
49	15H	562 R	(SRCV100-	í	Plug, pipe, 1"
50	R	2622 R	(SRCV100-	í	Stud, 7/16" x 4-3/8" (2 used) (sub. for A126R)
51	14H	813 C	(SRCV100-	í	Nut, 7/16" (2 used) (sub. for 14H257R)
52	12H	12 R	(SRCV100-	í	Washer, lock, 7/16" (2 used)
32	1441	- I	,	,	

# BREAKAWAY COUPLINGS (Pioneer) AND BRACKETS



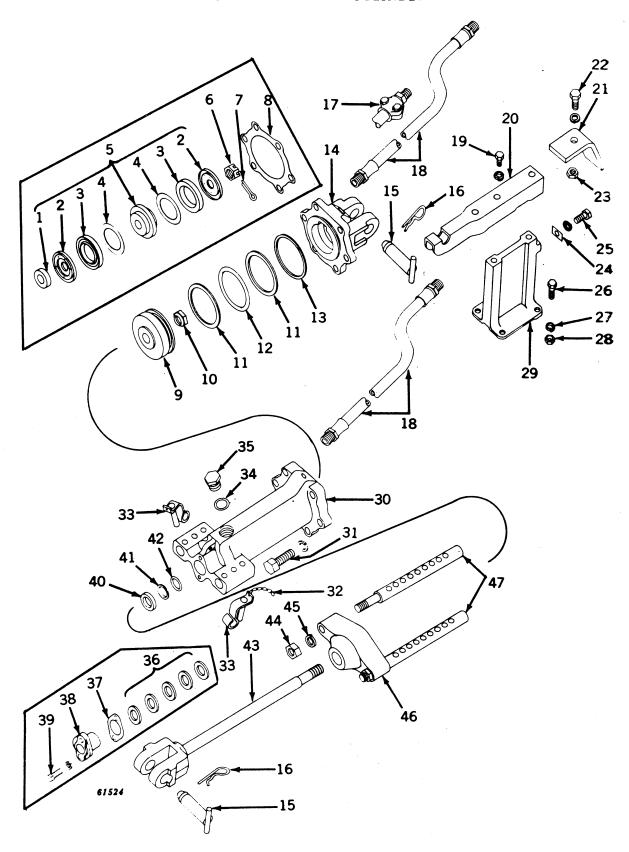
#### BREAKAWAY COUPLINGS (Pioneer) AND BRACKETS -- Continued

```
Key
           Part No.
                                 Serial No.
                                                                     Description
        F
                                                     Packing, O-ring (2 used) (packed 2 in a pkg.)
               3171 R
                                      -81999999
                                                     Line, flexible oil (5/8" I.D. x 24" long) (2 used with no. 1 cylinder) Line, flexible oil (5/8" I.D. x 20" long) (2 used with no. 2 cylinder)
 2
        AR
               1342 R
        JD
                175 R
                                      -8199999)
                            (8200000-
               1684 R*
                                                     Line, flexible oil (5/8" I.D. x 20" long) (2 used) (single control)
        AR
                                                       (on 8200000-8200900 also furnish one AR1683R bracket)
                                                     Line, flexible oil (5/8" I.D. x 25" long) (2 used) (no. 1 circuit L.H.,
        AR
              1685 R*
                            (8200000-
                                                       dual control)
               1961 R
                                                     Adapter (2 used)
 3
        R
                                      -8199999)
 4
        F
               3171 R
                                                     Packing, O-ring (2 used) (packed 2 in a pkg.)
 5
        14H
                                                     Nut, slotted, 3/8"
               514 N
                                                     Washer, 21/64" x 7/8" x 16 gauge (quantity used as required)
 6
        24H
               154 R
 7
        F
               2370 R
                                                     Snap ring (2 used)
 8
              2612 R
        R
                                                     Retainer, coupler
 9
                161 R
                                                     Spring, retainer (packed 5 in a pkg.)
        В
10
        AR
             20128 R
                            (8203850-
                                                     Tip, coupler, male screw (2 used)
11
        R
                495 R
                            (8203850-
                                                     Packing, O-ring (2 used)
12
        D
                454 R
                                                     Screw, drive (2 used)
              3001 R
13
        ΑF
                                                     Plug, dust, with chain (2 used)
14
        R
                                      -8203849)
                                                     Carrier, coupler (sub. one R20005R, one A4119R, and two
               2610 R
                                                       24H41H)
             20005 R
                                                     Carrier, coupler
        R
                            (8203850-
        AR
                            (8203850-
              4119 R
                                                     Spacer
        24H
                 41 H
                            (8203850-
                                                     Washer (2 used)
                                                     Pin, cotter, 3/32 "x 1" (2 used) (sub. for 11H22R)
        11H
               234 R
15
                                      -8203849)
16
        R
              2613 R
                                                     Rod, coupler retainer
        R
             20004 R
                            (8203850-
                                                     Rod, coupler retainer
                                                     Pin, roll, 1/8" x 3/4"
17
        34H
                 41 H
18
        R
              2614 R
                                                     Lever, coupler retainer rod
                            (8203850-
19
        AR
             20127 R
                                                     Body, breakaway coupler (2 used)
                                                     Coupler, breakaway, pressure coupled, consisting of body, two coupler tips, and two O-rings (2 used)
        AR
             20002 R
                            (8203850-
20
              3069 R
                                                     Snap ring (2 used)
21
        R
             21772 R
                                                     Packing, O-ring (2 used) (sub. for F3145R)
22
        AR
              1649 R
                                                     Tip, coupler, male (2 used)
                                                     Valve, relief (2 used) (sub. AR 1839R)
23
        AR
              1681 R
                                      -8203099)
                            (8203100-
        AR
              1839 R
                                                     Valve, relief (2 used)
                                                     Coupler, breakaway (2 used)
Screw, cap, 3/8" x 1-1/4" (2 used)
                                      -8203849)
24
        AR
               1680 R
25
        19H
                                      -8301897)
               988 N
                                                     Screw, cap, 3/8" x 1-1/2" (2 used)
        19H
              1116 N
                            (8301898 -
        12H
                11 R
                                                     Washer, lock, 3/8" (2 used)
                                                     Bracket, with spring clips, 9" (dual control)
                                      -8199999)
26
        AR
               1514 R
                                                     Bracket, with spring clips, 8" (single control) (also one used on
                                      -8199999)
        AR
              1683 R
                                                       dual control) (sub. AR21408R single control)
                                                     Bracket, with spring clips, 8" (single control) (sub. AR21408R)
        AR
              1683 R
                            (8200000-8203849)
                                                    Bracket, with spring clips, 8" (dual control) (2 used) (sub. AR21409R)
Bracket, with spring clips, 9" (single control) (sub. AR21409R)
Bracket, with spring clips, 9" (single control) (sub. AR21409R)
              1683 R
        AR
                            (8200000-8203849)
        AR
              1514 R
                            (8203850-8301897)
                                                     Bracket, with spring clips, 9" (dual control) (2 used)**
        AR
              1514 R
                            (8203850-8301897)
             21410 R
        AR
                            (8301898-
                                                     Bracket, with spring clips (1 used single control, 2 used dual control)
                                                    Bracket, with spring clips, 10" (used on 8000001-8199999
                                      -8301897)
        AR
             21409 R
                                                       equipped with pressure coupled breakaway) (sub. for AR20004R)
                                                     Clip, spring (2 used)
Rivet, 1/4" x 3/4" (2 used)
        R
              2618 R
28
        16H
               277 A
29
        14H
               524 R
                                      -8301897)
                                                     Nut, slotted, 1/2"
        14H
               404 R
                            (8301898-
                                                     Nut, 3/4"
        14H
               793 T
                            (8301898-
                                                     Nut, jam, 3/4" (sub. for 14H481R)
30
              4119 R
                                      -8301897)
        Α
                                                     Spacer
        24H
31
               223 R
                                      -8301897)
                                                     Washer
                                                     Nut, 1/2" (3 used) (sub. for 14H259R) Washer, lock, 1/2" (3 used)
32
        14H
               809 T
        12H
                 13 R
33
        D
              2865 R
                                      -8301897)
                                                     Washer
34
        R
              2619 R
                                      -8301897)
                                                     Screw, cap, special
                                                     Screw, cap, 3/4" x 2-1/4"
        19H
                            (8301898 -
              1391 R
                                                     Pin, cotter, 1/8" x 3/4" (sub. for 11H39R)
35
        11H
               211 R
36
        19H
               438 R
                                                     Screw, cap, 1/2" x 1" (2 used)
                                                     Screw, cap, front, 1/2" x 1-1/4"
        19H
              1131 N
37
        R
              2615 R
                                      -8301897)
                                                     Support, coupler (sub. AR21408R single control and AR21409R
                                                       dual control)
        R
             21236 R
                            (8301898 -
                                                     Support, coupler
```

Quantities shown are for single control or one cylinder on dual control.

<sup>\*</sup>For reusable oil line couplings and bulk oil lines, see page 75-14.
\*\*Also parts on 8200000-8203849 equipped with pressure coupled breakaway.

# REMOTE CONTROL CYLINDER



#### REMOTE CONTROL CYLINDER -- Continued

```
Remote Cylinder
            Part No.
 Key
                                  Serial No.
                                                                       Description
               833 R
                            (4RC10100-55636
                                                        Spacer
  2
        F
               1027 R
                            (4RC23653-55636
                                                        Retainer, piston packing (2 used)
  3
        F
                834 R
                            (4RC10100-55636
                                                        Packing, U-cup (2 used) (packed 5 in a pkg.)
               919 R
  4
        F
                            (4RC10100-55636
                                                        Washer, treated paper (2 used) (packed 5 in a pkg.)
                                                        Piston, F916R, with packing, retainers, and spacer Nut, slotted, 7/8" (packed 25 in a pkg.)
  5
         AF
               1105 R
                            (4RC10100-55636
  6
               1104 R
        C
                               4RC100-55636
               237 R
                                                        Pin, cotter, 1/8" \times 2" (sub. for 11H43R)
         11H
                               4RC100-55636
  8
               829 R
                              4RC100-55636
        F
                                                        Gasket (packed 5 in a pkg.)
  9
        R
               2638 R
                            (4RC55637-
                                                        Piston
 10
        F
               2439 R
                            (4RC55637-
                                                        Nut, special hex. lock
              2639 R
11
        R
                                                        Washer, backing, paper (2 used) (packed 2 in a pkg.) Packing, O-ring (packed 2 in a pkg.)
                            (4RC55637-
 12
               5598 R
                            (4RC55637-
         A
13
        R
              2637 R
                            (4RC55637-
                                                        Packing (packed 2 in a pkg.)
 14
        F
               898 R
                                                        Cap, remote cylinder
                             4RC6903-55636
        R
               2636 R
                           (4RC55637-
                                                        Cap, remote cylinder
15
        AR
              1362 R
                             4RC6903-
                                                        Pin, attaching (2 used)
16
        A
              3581 R
                             4RC6903-
                                                        Pin, spring locking (2 used) (packed 25 in a pkg.)
                                                          for AR1051R)
17
        AR
              1058 R*
                              4RC100-
                                                        Coupling, service, for flexible oil line
              1448 R*
18
        AR
                              4RC100-
                                                        Line, flexible oil, 5/8" I.D. x 94" long (2 used) (sub. for
                                                          AR 1051R)
19
        19H
              1056 H
                              4RC100-
                                                        Screw, cap, 7/16" x 1" (2 used)
        12H
                12 R
                              4RC100-
                                                        Washer, lock, 7/16" (2 used)
20
              4452 R
        Α
                              4RC100-
                                                        Arm, transport (C. E.)
        R
             21116 R
                                                        Arm, transport (elec.)
21
        R
              2568 R
                              4RC100-
                                                       Bracket, transport arm
        19H 1189 T
22
                              4RC100-
                                                        Screw, cap, high-stregth, 7/16" x 3-1/4"
                                                       Washer, lock, 7/16"
Nut, 7/16" (sub. for 14H257R)
                12 R
        12H
                              4RC100-
23
        14H
               813 C
                              4RC100-
        R
              1191 R
                              4RC100-
24
                                                       Plate, lock (2 used)
25
        19H
              1056 H
                              4RC100-
                                                        Screw, cap, 7/16" x 1"
                                                       Washer, lock, 7/16"
Screw, cap, 7/16" x 1-1/2" (2 used)
        12H
                 12 R
                              4RC100-
26
        19H
              1166 H
                              4RC100-
27
        12H
                                                        Washer, lock, 7/16" (2 used)
                12 R
                              4RC100-
28
        14H
               813 C
                              4RC100-
                                                        Nut, 7/16" (2 used) (Sub. for 14H257R)
29
              1161 R
                              4RC100-53257
        R
                                                        Support (C. E.) (sub. R2620R)
        R
              2620 R
                           (4RC53258-
                                                        Support (C. E. )
             20671 R
        R
                                                        Support (elec.)
30
               827 R
        F
                              4RC100-55636
                                                        Cylinder
              2635 R
                           (4RC55637-
                                                        Cylinder
31
        19H
              1356 R
                                                        Screw, cap, 5/8" \times 1-3/4" (6 used)
                              4RC100-
                15 R
        12H
                              4RC100-
                                                       Washer, lock, 5/8" (6 used)
32
              3184 R
        А
                              4RC100-
                                                       Chain
        D
              2913 R
                              4RC100-
                                                       Link, chain end (2 used)
33
        AF
                                                       Pin, stop, with spring (2 used)
Gasket (packed 2 in a pkg.)
               871 R
                              4RC100-
34
        D
               465 R
                              4RC100-
35
       Н
               945 R
                              4RC100-
        ΑF
36
               872 R
                              4RC100-55636
                                                       V-seal assembly
37
               837 R
        F
                              4RC100-55636
                                                       Shim (thin) (packed 5 in a pkg.)
38
       F
               836 R
                              4RC100-55636
                                                       Retainer, seal
39
              2273 R
                           (4RC27459-55636
                                                       Screw, special cap (2 used) Washer, lock, 3/8" (2 used)
        12H
                11 R
                              4RC100-55636
40
            19547 H
                                                       Seal, oil, piston rod wiper
        AΡ
                           (4RC55637-
        F
41
              1432 R
                           i4RC55637-
                                                       Washer, piston rod packing (packed 2 in a pkg.)
42
                                                       Packing, O-ring, piston rod (packed 10 in a pkg.) Rod, piston, with F899R yoke
              3606 R
                           (4RC55637-
43
        AF
              1073 R
                              4RC100-55636
                           ì4RC55637-
        AR
              1717 R
                                                       Rod, piston, with F899R yoke
                                                       Nut, jam, 3/4" (2 used)
Washer, lock, 3/4" (2 used)
44
        14H
               483 R
                              4RC100-
45
                17 R
                              4RC100-
        12H
46
               839 R
       F
                              4RC100-
                                                       Stop, piston rod
Rod (2 used)
47
       F
               840 R
                              4RC100-
Parts listed below are an assembly of parts in this grouping
        AF
              1304 R
                             4RC100-55636
                                                       CYLINDER, REMOTE CONTROL (ATTACHMENT) (SUB.
                                                         AR1716R)
       AR
               947 R
                             4RC100-
                                                       ARM, REMOTE CYLINDER TRANSPORT, WITH SUPPORT AND
                                                          ATTACHING HARDWARE (ATTACHMENT) (SUB. AR1657R)
        AR
              1716 R
                           (4RC55637-
                                                       CYLINDER, REMOTE CONTROL (ATTACHMENT)
            21773 R
                              4RC100-RC55636)
        AR
                                                       Kit, remote cylinder overhaul (to service 4" cylinders)
        AR 21774 R
                           (4RC55637-
                                                       Kit, remote cylinder overhaul (to service 4" cylinders)
```

Capital letters indicate an attachment. Attachments must be listed on separate orders from replacement parts,

<sup>\*</sup>For reusable oil line couplings and bulk oil lines, see page 75-14.

#### REUSABLE COUPLINGS (Use with Single Wire Braid Flexible Oil Line)

Co	upling No.	I.D.	Thread
$\mathbf{AF}$	3585 R	3/8"	3/8" 18 NPTF (packed 2 in a pkg.)
AF	3586 R	1/2"	1/2" 14NPTF (packed 2 in a pkg.)
$\mathbf{AF}$	3587 R	5/8"	3/4" 14NPTF (packed 2 in a pkg.)
ΑF	3588 R	3/4"	3/4" 14NPTF (packed 2 in a pkg.)
ΑF	3589 R*	5/8"	1-1/16" 12 UN (packed 2 in a pkg.)

\*Used on "820" and "830" series only with O-ring between remote cylinder valve housing and breakaway couplings.

#### REUSABLE COUPLINGS (Use with Double Wire Braid Flexible Oil Line)

Coupling No.	I.D.	Thread
AR 21629 R	3/8"	3/8" 18 NPTF (packed 2 in a pkg.)
AR 21630 R	1/2"	1/2" 14 NPTF (packed 2 in a pkg.)
AR 21631 R	5/8"	3/4" 14 NPTF (packed 2 in a pkg.)
AR 21632 R	3/4"	3/4" 14 NPTF (packed 2 in a pkg.)
AR 21633 R*	5/8"	1-1/16" 12 UN (packed 2 in a pkg.)
AR 21634 R	1"	1" 11-1/2 NPTF (packed 2 in a pkg.)

\*Used on "820" and "830" series only with O-ring between remote cylinder valve housing and breakaway cylinder.

# BULK SINGLE WIRE BRAID FLEXIBLE OIL LINE

(Use with Reusable Coupling for Single Wire Braid Flexible Oil Line)

	Part No.	I.D.	O.D.	Length
Α	5775 R	3/8"	25/32"	Approx. 50 ft.
Α	5776 R	1/2"	29/32"	Approx. 50 ft.
Α	5777 R	5/8"	1-1/32"	Approx. 50 ft.
A	5778 R	3/4"	1-3/16"	Approx. 50 ft.

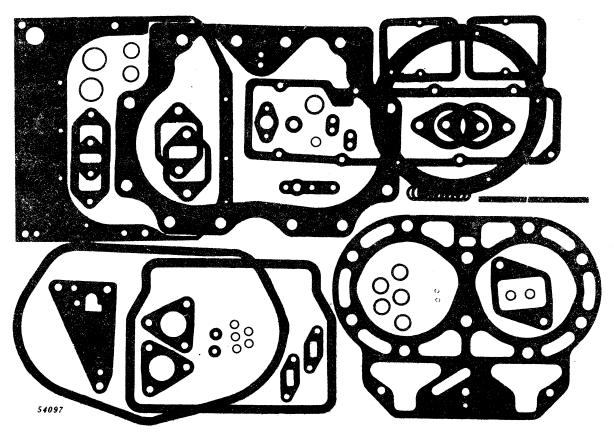
# BULK DOUBLE WIRE BRAID FLEXIBLE OIL LINE (Use with Reusable Coupling for Double Wire Braid Flexible Oil Line)

	Part No.	I.D.	O.D.	Length
R	21531 R	3/8"	29/32"	Approx. 50 ft.
R	21532 R	1/2"	31/32"	Approx. 50 ft.
R	21533 R	5/8"	1-3/32"	Approx. 50 ft.
R	21534 R	3/4"	1-1/4"	Approx. 50 ft.
R	21535 R	1"	1-9/16"	Approx. 50 ft.

#### WORM DRIVE TYPE HOSE CLAMPS

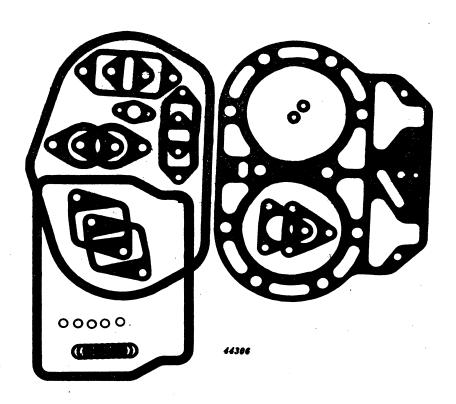
	Part No.	Description
AR	21837 R	Clamp, hose, for 1/2" - 1-1/2" O. D. hose
AR	21839 R	Clamp, hose, for 3/4" - 1-11/16" O.D. hose
AR	21840 R	Clamp, hose, for 1-3/4" - 2-11/16" O. D. hose
AR	21841 R	Clamp, hose, for 2-3/4" - 3-11/16" O.D. hose
AR	21842 R	Clamp, hose, for 3-1/2" - 4-7/16" O. D. hose

# GASKET KIT FOR RING AND CYLINDER REPLACEMENT



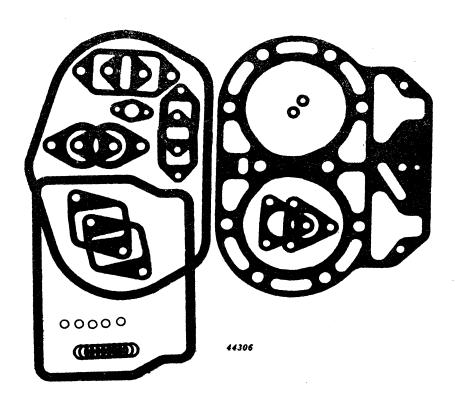
Part No	· -			al No.		Description
AR 1889 (sub. for		, consisti	ng of:			
<b>(</b>	10	264 R	( .	-	)	Washer, lead, cylinder head stud
	1AR	1481 R	į (	-	)	Gasket, injection pump bracket to cylinder head (set of 3
	1A	3439 R	(	_	j	Gasket, tappet lever to cylinder head cap screw
	2A	3439 R	(	-	)	Gasket, tappet lever cover to tappet lever shaft bracket
	2A	3439 R	Č	-	j	Gasket, cylinder cover to cylinder screw
	2A	4365 R	į	-	)	Packing, O-ring, injection pump bracket oil inlet tube
	1F	1791 R	(	-	)	Gasket, cranking engine oil drain hole
	2R	394 R	į	-	j	Packing, O-ring, fuel filter head to cylinder tube
	1R	459 R	į.	_	ĺ	Packing, O-ring, injection pump control rod guide
	1R	460 R	į	-	)	Packing, O-ring, injection pump control rod guide
	2R	463 R	(	_	)	Washer (copper) injector nozzle
	1R	495 R	( .	-	j	Packing, O-ring, cranking engine water outlet pipe
	2R	495 R	( '	_	)	Packing, O-ring, cranking engine water inlet pipe
	2R	495 R	<i>(</i>	-	í	Packing, O-ring, cranking engine water vent pipe
	1R	1333 R	į	_	j	Gasket, cylinder to case
	1R	1335 R	i	_	j	Gasket, cylinder cover
	1R	1343 R	ì	_	í	Gasket, timing gear housing cover
	1R	1351 R	ì	_	í	Gasket, cranking engine exhaust pipe
	2R	1413 R	ì	_	í	Gasket, exhaust outlet
	1R	1420 R	ì		í	Gasket, air intake heater
	1R	1443 R	ì	_	í	Gasket, crankcase cover
	1R	1508 R	ì	_	í	Gasket, fuel filter head
	2R	1535 R	ì	_	í	Gasket, cranking engine inlet and outlet to cylinder
	2R	1562 R	ì	_	í	Gasket, upper water pipe to top tank
	2R	1563 R	ì	_	í	Gasket, upper water pipe to cylinder head
	2R	1564 R	ì	_	í	Gasket, cylinder head water inlet
	2R	1657 R	ì	_	í	Gasket, powr-trol pump housing
	2R	1662 R	ì	-	<b>`</b>	Facking, powr-trol pressure line
	2R	1663 R	ì.	-	í	Packing, powr-trol suction line
	1R	1937 R	ì		í	Felt, flywheel cover
	1R	1938 R	(8003426	_	í	Gasket, flywheel cover back plate
	1R	2606 R	1	•	í	Gasket, tappet lever cover
	1R	2704 R	ì	_	í	Gasket, cylinder head
			`		,	owner, cyanider nead

# GASKET KIT FOR VALVE REPLACEMENT (Serial No. 8000001-8203099)



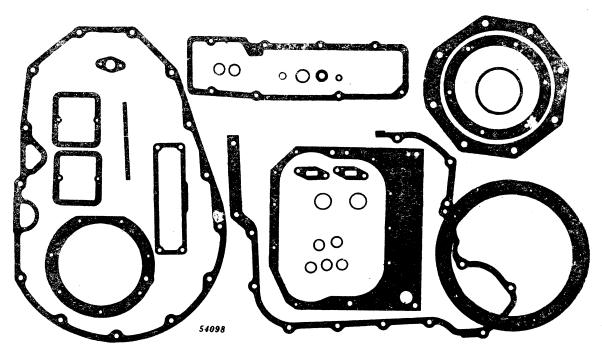
Part No.		Serial No.	Description
AR 1418 R	Gasket kit, consisti		Description
AN ITION	10 264 R	( -8203099)	Machan land arrindon hand atted
		,	Washer, lead, cylinder head stud
	1A 3439 R	( -8203099)	Gasket, tappet lever cover to cylinder head screw
	2A 3439 R	( -8203099)	Gasket, tappet lever cover to tappet lever shaft bracke
	2A 3439 R	( -8203099)	Gasket, cylinder cover to cylinder screw
	2R 463 R	( -8203099)	Washer (copper) injector nozzle
	1R 1334 R	( -8203099)	Gasket, cylinder head
	1R 1335 R	( -8203099)	Gasket, cylinder cover
	1R 1351 R	( -8203099)	Gasket, cranking engine exhaust pipe
	2R 1413 R	( -8203099)	Gasket, exhaust outlet
	1R 1420 R	( -8203099)	Gasket, air intake heater
	2R 1562 R	( -8203099)	Gasket, upper water pipe to top tank
	2R 1563 R	( -8203099)	Gasket, upper water pipe to cylinder head
	2R 1564 R	( -8203099)	Gasket, cylinder head water inlet
	1R 2606 R	( -8203099)	Gasket, tappet lever cover

GASKET THE TOP WALVE REPLACEMENT (Serial No. 8203100- )



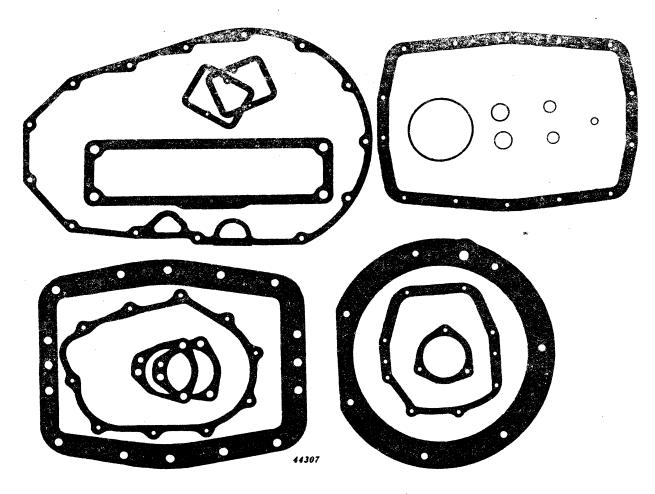
Part No.		Serial No.	Description
AR 1888 R	Gasket kit, consi	sting of:	
	10 264	R (8203100-	) Washer, lead, cylinder head stud
	1A 3439	R (820 <b>3100</b> -	) Gasket, tappet lever cover to cylinder head screw
	2A 3439	R (82031 <b>00</b> -	) Gasket, tappet lever cover to tappet lever shaft bracket
	2A 3439	R (8203100-	) Gasket, cylinder cover to cylinder screw
	2R 463	R (8203100-	) Washer (copper) injector nozzle
	1R 1335	R (8203100-	) Gasket, cylinder cover
	1R 1351	•	) Gasket, cranking engine exhaust pipe
	2R 1413	•	) Gasket, exhaust outlet
	1R 1420		) Gasket, air intake heater
	2R 1562		) Gasket, upper water pipe to top tank
	2R 1563	•	) Gasket, upper water pipe to cylinder head
	2R 1564	•	) Gasket, cylinder head water inlet
	1R 2606	•	) Gasket, tappet lever cover
	1R 2704	• -	) Gasket, cylinder head

# GASKET KIT FOR CRANKSHAFT AND BEARING REPLACEMENT



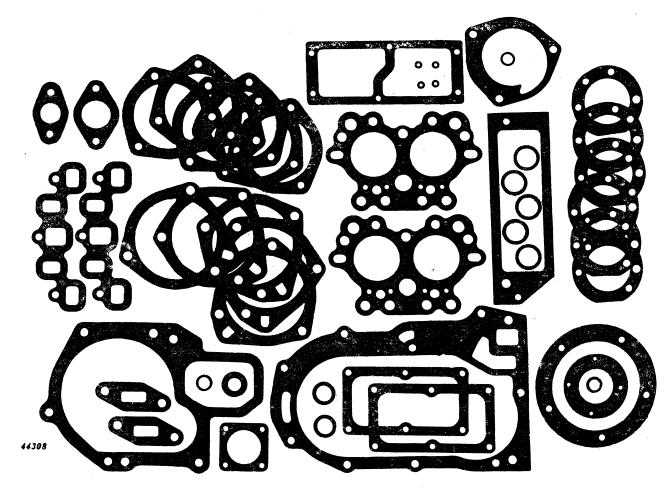
Part No.			Serial No.	Description
AR 1420 R	Gasket ki	t, consistir	ng of:	•
	1A	4847 R	( -	) Gasket, main bearing oil hole, L.H.
	1F	1791 R	( -	) Gasket, cranking engine oil drain hole
	1R	264 R	( -	) Gasket, first reduction gear cover
	1R	267 R	( -	) Gasket, pulley dust shield
	1R	353 R	( -	) Packing, crankshaft gear
	1R	356 R	( -	) Gasket, crankshaft oil slinger housing
	1R	459 R	( -	) Packing, O-ring, injection pump control rod guade
	1R	460 R	( -	) Packing, O-ring, injection pump control rod guide
	1R	495 R	(	) Packing, O-ring, cranking engine water outlet pripe
	2R	495 R	( -	) Packing, O-ring, cranking engine water inlet pime
	2R	495 R	( -	) Packing, O-ring, cranking engine water vent pipe
	1R	1341 R	( -	) Gasket, timing gear housing
	1R	1343 R	( -	) Gasket, timing gear housing cover
	1R	1351 R	<del>(</del> -	) Gasket, cranking engine exhaust pipe
	1R	1406 R	( -	) Gasket, main bearing housing, R.H.
	1R	1443 R	(	) Gasket, crankcase cover
	1R	1468 R	( -	) Gasket, clutch fork bearing
	2R	1535 R	( -	) Gasket, cranking engine water inlet and outlet
	2R	1657 R	( -	) Gasket, powr-trol pump housing
	2R	1662 R	(	Packing, powr-trol pressure line
	2R	1663 R	( -	) Packing, powr-trol suction line
	1R	1937 R	( . w	) Felt, flywheel cover
	1R	1938 R	(8003426-	Gasket, flywheel cover back plate

# GASKET KIT FOR TRANSMISSION AND REAR END OVERHAUL



Part No.			ial No.	Description
Part No. AR 1421 R	1R 394 1R 396 2R 498 1R 1367 1R 1401 1R 1424 1R 1506	sisting of: 4 R ( 7 R ( 4 R ( 6 R ( 6 R ( 6 R ( 7 R (	- ) - ) - ) - ) - ) - ) - ) - ) - ) - )	Gasket, first reduction gear cover Gasket, pulley dust shield Gasket, rear axle housing cover Packing, O-ring, transmission oil intake pipe Gasket, transmission oil sump cover Gasket, brake housing Gasket, rear axle housing to case Packing, differential bearing housing, L.H. Gasket, transmission case cover Gasket, clutch fork bearing Gasket, first speed gear cover
	2R 1657 2R 1663 2R 1663	2 R (	- - -	Gasket, Powr-Trol pump housing Packing, Powr-Trol pressure line Packing, Powr-Trol suction line

# GASKET KIT FOR CRANKING ENGINE OVERHAUL



_				Tractor			ınking Engi	ne	
	art No.			Serial No.			Serial No.		Description
AR	1422 R		t, consisting	oi:			•		<b>.</b>
		1 A	4365 R (	-	)	(	-	)	Packing, O-ring, governor arm
		2B	2762 R (	-	)	(	•	).	Packing, O-ring, water pump to cylinder tube
		1F	1787 R (	-	)	(	_	)	Gasket, timing gear cover
		1F	1791 R (	-	j	į	-	j	Gasket, oil drain hole
		2F	1845 R (	-	j	į	-	. )	Gasket, cylinder head
		10F	1856 R (	-	- j	i	_	j	Shim, oil pump body to cylinder
		1F	1861 R (		j	ì	_	j	Gasket, crankcase cover
		1F	1872 R (	-	Ś	ì	_	j	Gasket, cylinder cover
		4F	1941 R (	-	j	ì	_	j	Washer, packing, tappet lever shaft
		2F	1944 R (	-	j	ì	-	ý	Gasket, tappet lever control
		10F	1965 R (	-	j	ì	-	j	Shim water pump to cylinder
		1F	1969 R	-	í	ì	_	í	Gasket, water pump housing cover
		1F	2083 R		í	ì	_	j	Gasket, distributor
		2F	2087 R (	_	j	ì	_	j	Gasket, manifold
		1F	2115 R (	_	í	ì	_	í	Gasket, air cleaner
		5F	3520 R (		ý	į	-	j	Shim, main bearing (sub. for F1841R)
		1R	394 R (	_	1	1		)	Packing, O-ring, ventilator pipe
		1R	459 R (		Ś	7	_	í	Packing, O-ring, oil drain plug
		1R	495 R (	-	í	ì	-	í	Packing, O-ring, water outlet pipe
		2R	495 R (	_	Ś	ì	_	Ś	Packing, O-ring, water inlet pipe
		2R	495 R (	_	Ś	ì		Ś	Packing, O-ring, water vent pipe
		1R	640 R (	_	Ś	ì	_	Ś	Gasket, carburetor
		1R	1351 R (	-	Ś	ì	_	· 5	Gasket, exhaust pipe
		2R	1535 R (		Ś	ì	-	í	Gasket, water inlet and outlet to
			•						cylinder
		1 R	1783 R (	-	)	(	-	• )	Gasket, transmission housing
		1 R	1842 R (	-	)	(	_	)	Gasket, transmission housing cover

JOTE: Cranking engines have separate serial numbers on tractors 8203100-

#### DECALCOMANIA KIT FOR 80 TRACTORS















45292 Part No. AR 1359 R

Description Decalcomania kit, consisting of:

"John Deere" for sides of hood (2 used)

"John Deere" for seat

"Diesel" for sides of hood (2 used) "Model Designation" (2 used)

"Power Steering" (2 used)

"Air Cleaner Instructions" (diesel engine)

"Air Cleaner Instructions" (cranking engine)

"6-Volt" for battery box

"Powr-Trol"

#### DECALCOMANIA KIT FOR 820 TRACTORS (Not Illustrated)

Part No. Description AR 21141 R Decalcomania kit, consisting of:

(sub. for AR1623R)

"John Deere" for seat

"Power Steering" (2 used)
"Air Cleaner Instructions" (diesel engine) "Air Cleaner Instructions" (cranking engine)

"6-Volt" for battery box "Powr-Trol"

"Float-Ride Seat Adjustment Instructions"

"Grille Side, R.H."
"Grille Side, L.H."

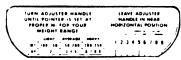
"Hood Side, R.H."

"Hood Side, L.H."

DECALCOMANIA KIT FOR 820 TRACTORS (Tractors Painted Other Than John Deere Green)

Power Steering

JOHN



BIESEL

59653

Part No. AR 1725 R

Description Decalcomania kit, consisting of: "John Deere" for sides of hood (2 used)
"John Deere" for seat "Series Designation" (2 used)
"Power Steering" (2 used)

"Suspension Seat Adjustment Instructions" Diesel (2 used)

DECALCOMANIA KIT FOR 830 TRACTORS (Tractors Painted Other Than John Deere Green)

# DEERE





JOHN DEERE





70738











Part No. AR 21285 R

Description Decalcomania kit, consisting of: "John Deere" for sides of hood (2 used) "John Deere" for seat "Series Designation" (2 used)

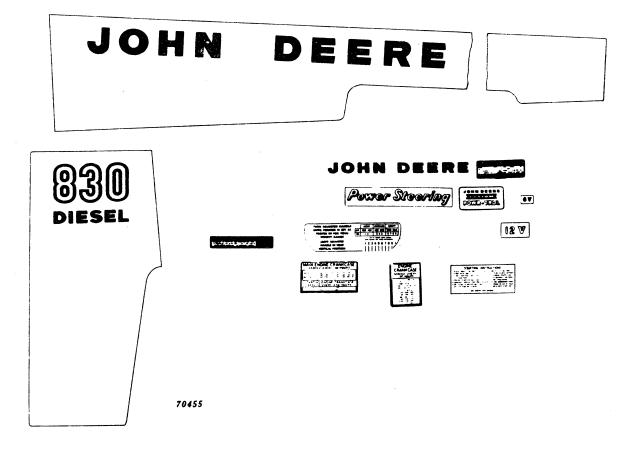
"6-Volt" for battery box (C.E.) "12-Volt" for battery box (elec.)

"Power Steering" (2 used)
"Air Cleaner Instructions" (diesel engine)

"Air Cleaner Instructions" (cranking engine) "Powr-Trol"

"Starting Instructions" (elec.)
"Crankcase Oil Specifications" (diesel engine)
"Crankcase Oil Specifications" (cranking engine) "Float-Ride Seat Adjustment Instructions"

# DECALCOMANIA KIT FOR 830 TRACTORS



Part No. AR 21149 R

Description

Decalcomania kit, consisting of:

"John Deere" for sides of hood, R.H. and L.H.

"John Deere" for seat

"Series Designation" for sides of grille, R.H. and L.H.

"6-Volt" for battery box (C.E.)

"12-Volt" for battery box (elec.)

"Power Steering" (2 used)

"Air Cleaner Instructions" (diesel engine)
"Air Cleaner Instructions" (cranking engine)

"Powr-Trol"

"Starting Instructions" (elec.)

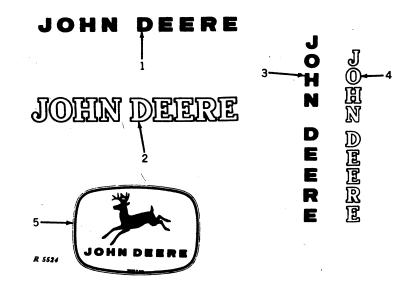
"Crankcase Oil Specifications" (diesel engine)
"Crankcase Oil Specifications" (cranking engine)

"Float-Ride Seat Adjustment Instructions"

# DECALCOMANIAS AND NAME PLATE FOR 830-I TRACTORS (Not Illustrated)

1	Part No.	Description
JD	235 R	Decalcomania, horizontal, for seat
R	2115 R	Decalcomania, series designation (2 used)
T	10551 T	Plate, name (2 used)
T	10671 T	Screw (6 used)

#### ADDITIONAL DECALCOMANIAS · (The Following Decalcomanias Are Available in Packages of 5 Each)



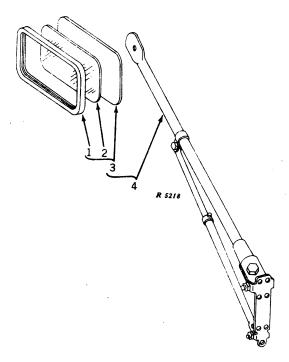
Key	P	art No.	Size	Key	Pa	rt No.	Size
1	JD	250 R	$1/2" \times 7-1/8"$	4	JD	116 R	1" x 10-3/4"
_	ĴD	251 R	11/16" x 10"		JD	1 <b>18 R</b>	1/2" x 5-3/8"
	ĵĎ	235 R*	11/16" x 10"		JD	1 <b>1</b> 9 R	3/4" x 8-1/16"
	JD	252 R	1" x 14-1/4"	5	JD	260 R (sub. for JD120R)	1-7/16" x 2"
	JD	236 R*	1" x 14-1/4"		JD	5260 R**	1-7/16" x 2!'
	JD	5152 R (dark green)			JD	261 R (sub. for JD121R)	2-1/8" x 3"
	JD	253 R	1-1/4" x 17-3/4"		JD	5202 R* (sub. for JD245R	
	JD	237 R*	1-1/4" x 17-3/4"		JD	5261 R**	2-1/8" x 3"
	ĵĎ	267 R	1-1/2" x 21-3/8"		JD	5240 R***	2-1/8" x 3"
	ID.	238 R*	1-1/2" x 21-3/8"		JD	262 R (sub. for JD122R)	2-7/8" x 4"
	ĴD	254 R	1-3/4" x 25"		JD	246 R*	2-7/8" x 4"
	ĴĎ	239 R*	1-3/4" x 25"		JD	5262 R**	2-7/8" x 4"
	JD	255 R	2-1/4" x 32"	•	JD	5241 R**	2-7/8" x 4"
	ĴD	5206 R*	5-3/4" x 8"		JD	263 R (sub. for JD123R)	
	ĴĎ	5208 R*	2-1/2" x 35-5/8"		JD	5204 R* (sub. for JD247R	
	ĴD	256 R	4" x 57"		ĴD	5263 R**	3-9/16" x 5"
	ĴĎ	5155 R (dark green)	2-1/4" x 32"		JD	5242 R**	3-9/16" x 5"
2	ĴD	110 R	3/4" x 6"		JD	264 R (sub. for JD124R)	
	ĴĎ	111 R	1" x 8"		JD	5205 R* (sub. for JD248R	
	ĴD	112 R	1-1/4" x 10"		JD	5264 R**	4-1/4" x 6"
	ĴD	113 R	1-1/2" x 12"		JD	5243 R***	4-1/4" x 6"
	JD	114 R	2-1/2" x 20"		JD	5244 R***	5-3/4" x 8"
	ĵD	1 <b>15</b> R	2" x 16"		JD	265 R	6-3/8" x 9"
3	ĴD	257 R	1/2" x 6"		JD	5265 R**	6-3/8" x 9"
	ĴĎ	258 R	3/4" x 9"		ĴD	5165 R (yellow deer)	6-3/8" x 9"
	ĵD	243 R*	3/4" x 9"		JD	268 R	8-1/2" x 12"
	ĴĎ	259 R	1" x 12"		JD	5207 R*	8-1/2" x 12"
	,_		•		JD	269 R	11-3/4" x 16-5/8"

<sup>\*</sup>Black decals for machines painted other than John Deere green.

<sup>\*\*</sup>Leaping deer decals for South and Central America.

\*\*\*Leaping deer decals for South and Central America. (Industrial, black and yellow)

### REAR VIEW MIRROR



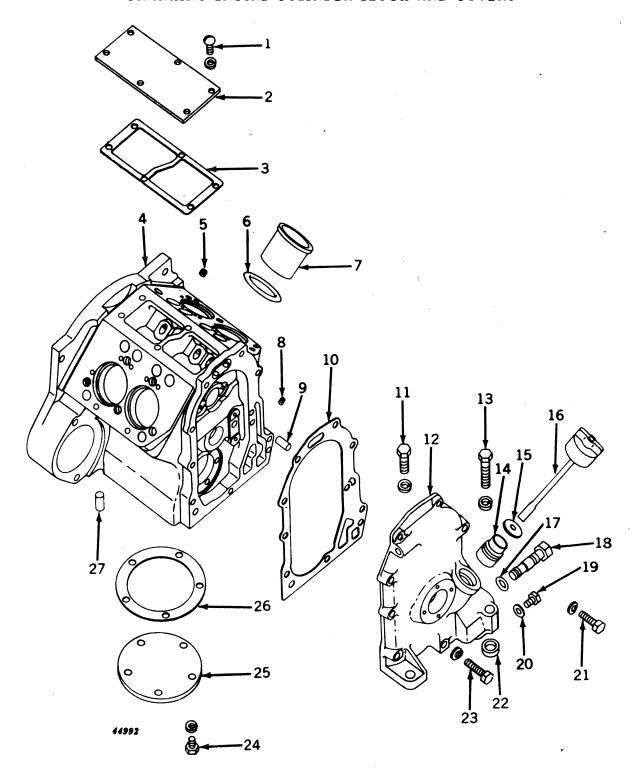
Key	Part No.	Serial No.	Description
1	R 21686 R	( - )	Bezel
2	R 21685 R	( - )	Glass
3	AR 21860 R	( - )	Mirror, rear view
4	AR 21859 R	( - )	MIRROR, REAR VIEW, WITH MOUNTING BRACKET (ATTACH- MENT)

Capital letters indicate an attachment. Attachments must be listed on separate orders from replacement parts.

# OPERATOR'S MANUALS (Not Illustrated)

	Part No.	Serial No.	Description
R	2046 R	( -8199999)	Manual, operator's (80 series)
R	2088 R	(8200000-8299999)	Manual, operator's (820 series)
R	20688 R	(8300000- )	Manual, operator's (830 series, with gasoline cranking engine)
R	20820 R	(8300000- )	Manual, operator's (830 series, with electric starting motor)

### CRANKING ENGINE CYLINDER BLOCK AND COVERS



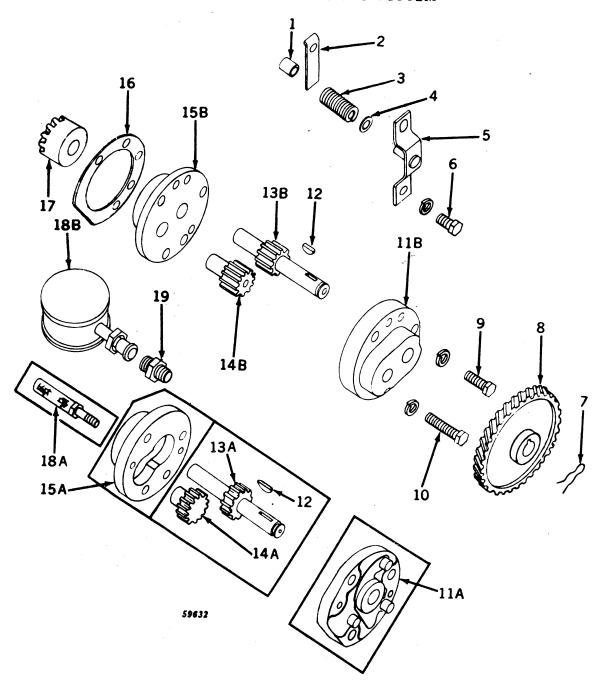
NOTE: Cranking engines have separate serial numbers on tractors 8203100-

# CRANKING ENGINE CYLINDER BLOCK AND COVERS -- Continued

		<b>T</b>	A	
••		Tractor	Cranking Engine	•
Key	Part No.	Serial No.	Serial No.	Description
1	21H 1023 E	( - )	( - )	Screw, mach., 1/4" x 5/8" (6 used) (sub. for
				21H605R)
	1 <b>2</b> H 9 R	( - )	( - )	Washer, lock, 1/4" (6 used)
2	AF 2168 R	<i>i</i> -	<i>`</i> - '	Cover, cylinder
3	F 1872 R	·	} _ (	Gasket (packed 5 in a pkg.)
4	AF 2215 R	( -8203099)	,	Critical Except with its and its in
7	Ar 2213 K	( -0203033)	• • • • • • • • • • • • • • • • • • • •	Cylinder, F1865R, with liners and bushings
				(sub. AR21763R cylinder block (F3516R),
				AF3715R main bearing housing (F3517R),
				and AF3722R crankshaft (F3518R)
	AR 21763 R	• • • • • • • • • • • • • • • • • • • •	( SE1000- )	Cylinder, F3516R, with liners, bushings, dowel
				pins, and oil relief tube
	AF 2358 R	( -8203099)		Short block engine replacement, consisting of:
		,		engine assembly, less flywheel, clutch,
				transmission, carburetor, distributor, crank-
			,	ing motor, etc. (use with AR1422R cranking
	150 0000 D	•		engine overhaul gasket kit) (sub. AF3723R)
	AF 3723 R	• • • • • • • • • • • • • • • • • • • •	( SE1000- )	Short block engine replacement, consisting of:
				engine assembly, less flywheel, clutch,
•				transmission, carburetor, distributor, crank-
				ing motor, etc. (use with AR1422R cranking
				engine overhaul gasket kit)
5	15H 253 R	( -8203099)		Plug, pipe, 1/8"
6	F 1870 R	} - 5255557		
7	F 1869 R	} - {	·	Packing, O-ring (4 used) (packed 2 in a pkg.)
		} - {	- /	Liner, cylinder (4 used)
8	R 21630 R	( - )	( - )	Plug, pipe, 1/8" (sub. for 15H558R)
9	A 4879 R	<b>(</b> - )	( - )	Pin, dowel (2 used)
10	F 1787 R	( - )	( - )	Gasket (packed 5 in a pkg.)
11	19H 1 <b>166</b> H	· ( - · )	( - )	Screw, cap, 7/16" x 1-1/2"
	12H 12 R	( - )	( - )	Washer, lock, 7/16"
12	AF 1989 R	( -8 <b>2</b> 03099)	, , , , , , , , , , , , , , , , , , , ,	Cover, F1786R, timing gear, with tube (sub.
		(	•••••	AF3745D F3551D F3550D and two
				AF3745R, F3551R, F3552R, and two
	AF 3745 R		/ CE1000	21H415R)
13		,	( SE1000-	Cover, F3550R, timing gear, with tube
13		- · · · · · · · · · · · · · · · · · · ·	( - )	Screw, cap, $7/16^{\circ} \times 2-1/4^{\circ}$
	12H 12 R	( - )	( - )	Washer, lock, 7/16"
14	R 693 R	( - )	( )	Tube, oil level rod
15	R 793 R	( - )	( - )	Gasket (packed 5 in a pkg.)
16	AF 2021 R	( - )	( - )	Cap, oil filler and level
17	R 459 R	<i>i</i> - i	<i>i</i> - 1	Packing, O-ring (packed 10 in a pkg.)
18	F 1788 R	<i>}</i> - (	} _ (	Plug, oil drain
19	19H 1227 M	<b>,</b>	· · · · · · · · · · · · · · · · · · ·	
20	24H 846 R	} - {	} - {	Screw, cap, 1/4" x 1/2" (sub. for 19H13R)
21		} - ?	- }	Washer, 17/64" x 3/4" x 16 gauge
21	F 2270 R	( - )	· ( - )	Screw, special cap (6 used)
	12H 10 R	( - )	( - )	Washer, lock, 5/16" (6 used)
22	F 1791 R	( - )	( - )	Gasket (packed 5 in a pkg.)
23	19H 1096 H	( - )	( - )	Screw, cap, 5/16" x 1-1/2" (3 used) (sub. for
			•	19H130R)
	12H 10 R	( - )	( - )	Washer, lock, 5/16" (3 used)
24	19H 1227 M	( -8200100)	,	Screw, cap, 1/4" x 1/2" (5 used) (sub. for
		( 0200200)		
	10LT 111E N	(9200101		19H13R)
	19H 1115 N	(8200101- )	( - )	Screw, cap, 1/4" x 5/8" (5 used) (sub. for
	4000			19H16T)
	12H 9 R	( - )	( - )	Washer, lock, 1/4" (5 used)
25	F 1860 R	( -8200100)	• • • • • • • • • • • • • • • • •	Cover, crankcase (sub. F3321R)
	F 3321 R	(8200101- )	( - )	Cover, crankcase
26	F 1861 R	· - · ·	<i>i</i> - 1	Gasket (packed 2 in a pkg.)
27	A 4879 R	<i>i</i> - (	<i>i</i> - (	Pin, dowel (2 used)
-	<del>-</del>	,	,	· · · · · · · · · · · · · · · · · · ·

NOTE: Cranking engines have separate serial numbers on tractors 8203100-

# CRANKING ENGINE OILING SYSTEM



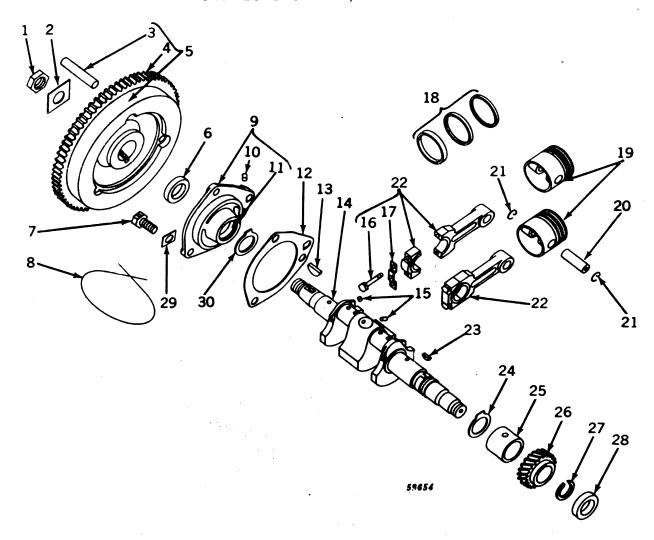
NOTE: Cranking engines have separate serial numbers on tractors 8203100-

### CRANKING ENGINE OILING SYSTEM -- Continued

			Tractor	Cranking Engine	
Key		rt No.	Serial No.	Serial No.	Description
1	R	623 R	( - )	( -SE1179 )	Tube, oil relief
	F	3667 R	• • • • • • • • • • • • • •	( SE1180- )	Tube, oil relief
2	R	568 R	( -8203099)		Spring, leaf, oil relief
	AF	3 <b>874 R</b>	• • • • • • • • • • • •	( SE1000-SE1179 )	Spring, leaf, with pilot (sub. AF3911R)*
	D	2425 R	• • • • • • • • • • • • •	( SE1000-SE1179 )	Pilot
	R	568 R	•••••••	( SE1180- )	Spring, leaf, oil relief
3	A	1280 R	( - )	( -SE1179 )	Spring, oil pressure adjusting
	F	2580 R		( SE1180- )	Spring, oil pressure adjusting
4	24H	132 R	( - )	( -SE1179 )	Washer, 9/32" x 1/2" x 16 gauge (as required)
	24H	1017 R		( SE1180- )	Washer, 13/32" x 9/16" x 16 gauge (as required)
5	AR	51 <b>5 R</b>	( -8203099)	•••••	Bracket, oil relief spring, with pin (sub.
					AF3911R)*
	AF	38 <b>75 R</b>		( SE1000-SE1179 )	Bracket, oil relief spring, with pin (sub. AF3911R)*
	AF	39 <b>12 R</b>		( SE1180- )	Bracket, oil relief spring, with pin
6	21H	597 R	( - )	( - )	Screw, mach., 1/4" x 1/2" (2 used)
	12H	9 R	( - )	( - )	Washer, lock, 1/4 <sup>M</sup>
7	R	446 R	( - )	( - )	Snap ring
8	F	1858 R	( -8203099)	••••••	Gear, oil pump drive
	F	3637 R		( SE1000- )	Gear, oil pump drive
9	19H	24 N	( - )	( - )	Screw, cap, 1/4" x 3/4" (2 used) (sub. for 19H18H)
	12H	9 R	( - )	( - ')	Washer, lock, 1/4" (2 used)
10	F	2 <b>27</b> 0 R	( - )	( - )	Screw, special cap (3 used)
	12H	10 R	( - )	( - )	Washer, lock, 5/16 <sup>th</sup> (3 used)
11A	F	18 <b>55</b> R	( -8203099)	************	Cover, oil pump body
11B	F	3636 R	• • • • • • • • • • • • • •	( SE1000- )	Cover, oil pump body
12	26H	7 R	( - )	( - )	Key, Woodruff, 1/8" x 1/2"
13A		1854 R	( -8203099)	•••••	Gear, oil pump driver
13B		3634 R		( SE1000- )	Gear, oil pump driver
14A		561 R	( -8203099)	•••••	Gear, oil pump idler
14B	F	3635 R	• • • • • • • • • • • • • •	( SE1000- )	Gear, oil pump idler
15A		1852 R	( -8203099)	• • • • • • • • • • • • • • • • • • • •	Body, oil pump
15B		3633 R	••••••	( SE1000- )	Body, oil pump
16	_	1856 R	( - )	( - )	Shim, paper (packed 10 in a pkg.)
17		1853 R.	( - )	( - )	Gear, bevel
18A		2320 R	<b>(</b> -8203099)		Screen, oil pump (sub. A258R and AF3871R)
18B	ĄF	3871 R	•••••	( SE1000- )	Strainer, oil pump
19	Α	258 R	•••••	( SE1000- )	Connector, strainer tube to cylinder

NOTE: Cranking engines have separate serial numbers on tractors 8203100-\*AF3911R consists of AF3912R, F2580R, F3667R, R568R, and 24H1017R.

# CRANKING ENGINE FLYWHEEL, MAIN BEARING, CRANKSHAFT, CONNECTING RODS, AND PISTONS



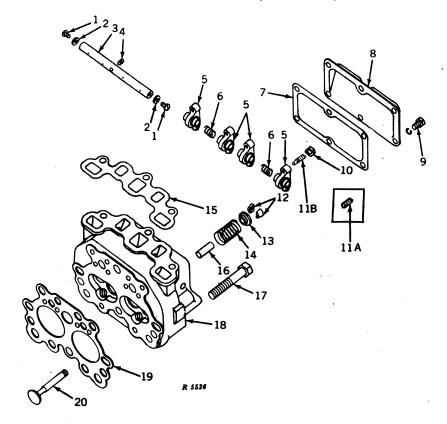
NOTE: Cranking engines have separate serial numbers on tractors 8203100-

# CRANKING ENGINE FLYWHEEL, MAIN BEARING, CRANKSHAFT, CONNECTING RODS, AND PISTONS -- Continued

		Tractor	Cranking Engine	
Key	Part No.	Serial No.	Serial No.	Description
1	14H 793 T	( - )	( - )	Nut, jam, 3/4" (sub. for 14H481R)
2	F 1836 R	( - )	· ( - ' )	Plate, lock
3	R 619 R	<b>(</b> - )	( - )	Pin, clutch drive (3 used)
4	F 2265 R	( - )	( - )	Gear, starter ring
5	AF 2012 R	( - )	( - )	Flywheel, F1835R, with starter gear and pins
6	AF 2167 R	( -8203099)		Seal, oil
	AF 3717 R		( SE1000- )	Seal, oil
7	D 459 R	( -8000358)		Screw, cap, 3/8" x 1", drilled (3 used) (sub. A487R and H246R)
	A 487 R	(8000358-8203099)		Screw, cap, special (3 used)
8		( -8000358)	•••••	Wire, 16 gauge x 15" long
9	AF 2013 R	( -8203099)		Housing, F1838R, main bearing, with bushing and pin
	AF 3715 R		( SE1000- )	Housing, F3517R, main bearing, with bushing, washer, and oil seal
10	F 1840 R	( -8203099)		Pin, dowel
11	AF 2175 R	-8203099)		Bushing (pkg. of 2)
11	AR 697 R	( 0200000)	( SE1000- )	Bushing (pkg. of 2)
12	F. 1841 R	( -8203099)		Shim (paper) (packed 5 in a pkg.) (sub. F3520R)
	F 2420 R	( -8203099)		Shim, steel, .010" (sub. F3519R)
	F 3519 R	,	( SE1000- )	Shim, steel, .010"
	F 3520 R		( SE1000- )	Shim, paper (packed 5 in a pkg.)
13	26H 19 R	( - )	- ;	Key, Woodruff, 1/4" x 7/8"
14	AF 2010 R	} -8 <b>2</b> 03099)		Crankshaft, F1833R, with pins (sub. AF3720R
• •	711 2020 11			crankshaft and main bearing housing)
	AF 3722 R		( SE1000- )	Crankshaft, F3518R, with pins
15	F 1837 R	( - )	( - )	Pin (2 used)
16	F 1807 R	( - )	( - )	Bolt, connecting rod (8 used) (packed 2 in a
	-	•	•	pkg.)
17	F 1808 R	( - )	( - )	Plate, lock (4 used)
18	AF 1994 R	( - )	( - )	Ring, piston (set of 4 oil control and 8 com-
		•		pression)
19	AF 1992 R	( - )	( - <u>)</u>	Pistons, four F1810R, with rings and pins
	AR 20852 R	( - )	( - )	Piston, one F1810R, with rings
20	F 1811 R	( - )	( - )	Pin, piston (4 used) (packed 4 in a pkg.) (sub. for AF1993R)
21	F 1812 R	( - )	( - )	Snap ring (8 used)
22	AF 1991 R	<b>( -8199999</b> )		Rod, F1806R, connecting (4 used) (sub.
		•		AF3418R)
	AF 3418 R	(8200000- )	( - )	Rod, F3300R, connecting (4 used)
23	26H 10 R	( - )	( - )	Key, Woodruff, 5/32" x 5/8"
24	F 1843 R	( -8203099)	•••••	Washer, thrust
	R 622 R		( SE1000- )	Washer, thrust
25	AF 2175 R	( -8203099)		Bushing (pkg. of 2)
	AR 697 R	••••••	( SE1000- )	Bushing (pkg. of 2)
26	F 1834 R	( - <u>-</u> )	( - )	Gear, crankshaft
27	A 602 R	( - )	, - (	Snap ring
28	AF 2167 R	( - )	· · · · · · · · · · · · · · · · · · ·	Seal, oil
29	H 246 R	(8000358-	CE1000	Plate, lock (3 used) Washer, thrust
30	R 622 R	• • • • • • • • • • • • • • •	( SE1000- )	Washer, ultust

NOTE: Cranking engines have separate serial numbers on tractors 8203100-

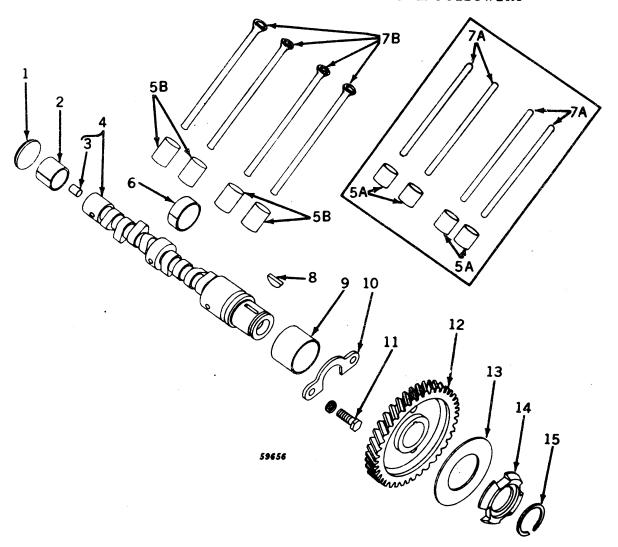
# CRANKING ENGINE CYLINDER HEAD, VALVES, AND TAPPETS



		Tractor	Cranking Engine	
Key	Part No.	Serial No.	Serial No.	Description
1	21H 981 R	( - )	( - )	Screw, mach. (4 used)
2	F 1941 R	· - · ·	( - )	Washer, packing (4 used) (packed 20 in a pkg.)
3	F 1940 R	- 5	· - ·	Shaft, tappet lever (2 used)
	22H 710 R	} - S	· - · · ·	Screw, set (2 used)
5	AF 3620 R	} - \	} · - }	Lever, tappet (8 used) (sub. for AF2178R)
6	F 1942 R	} - S	· - · ·	Spring, tappet lever spacer (4 used)
4 5 6 7	F 1944 R	} - 5	· - · · · ·	Gasket (2 used) (packed 10 in a pkg.)
8	F 1943 R	·	- 1	Cover, tappet lever (2 used)
9	19H 1227 M	} - 5	( - )	Screw, cap, 1/4" x 1/2" (12 used) (sub. for
				19H13R)
	1 <b>2</b> H 9 <b>R</b>	( - )	( - )	Washer, lock, 1/4" (12 used)
10	14H 795 R	( - )	( - )	Nut (8 used)
11A	F 1939 R	( -8203099)		Screw, special set, tappet lever adjusting (8 used)
11B	F 3579 R		( SE1000- )	Screw, tappet lever adjusting (8 used)
12	F 1851 R	( - )	· - · · · ·	Lock, valve spring retainer (16 used) (packed
16	1 10011	,	,	2 in a pkg.)
13	F 1850 R	( - )	( - )	Cap, valve spring (8 used)
14	R 20129 R	· -	·	Spring, valve (8 used) (packed 2 in a pkg.)
		,	•	(sub. for F1849R)
15	F 2087 R	. ( - )	( - ).	Gasket, manifold (2 used) (packed 10 in a pkg.
16	F 3531 R	<b>?</b> -8 <b>2</b> 03099)		Guide, valve (8 used) (packed 8 in a pkg.)
10	1 3032 10	( 020000,		(sub, for AF2083R)
	F 3531 R		( SE1000- )	Guide, valve (packed 4 in a pkg.) (2 pkgs.
	•	,	•	used)
17	19H 1146 M	( - )	( - )	Screw, cap, 7/16" x 2-1/2" (10 used)
18	AF 2015 R	<b>?</b> -8 <b>2</b> 03099)		Head, F1844R, cylinder, with valve guides
		,		(2 used) (sub. AF3736R)
	AF 3736 R		( SE1000- )	Head, F3530R, cylinder, with valve guides
				(2 used)
19	F 1845 R	( - )	( - )	Gasket (2 used) (packed 10 in a pkg.)
20	F 3217 R	( - )	. ( - )	Valve, exhaust (4 used) (sub. for AF2016R and
		•	•	AF3148R)
	F 1848 R	( - )	( - )	Valve, intake (4 used) (sub. for AF2017R)
		•	•	

NOTE: Cranking engines have corporate serial numbers on tractors 8203100-

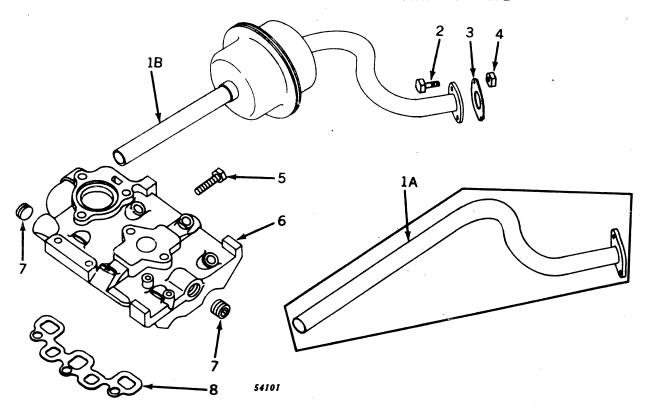
# CRANKING ENGINE CAMSHAFT AND CAM FOLLOWERS



Key	Pa	ert No.		Tractor Serial No.		Cranking Serial		Description
1	30H	15		_	`	/	```	
2	F	2218				} -	₹ .	Plug, expansion, 1-1/8*
3	F	1840		_	(	} -	Į	Bushing, rear
4	AF	2138			000)	-	)	Pin, dowel
7			•	<b>-82</b> 03	099)	••••••	•••••	Camshaft, with pin (sub. AF3743R, F3547R, F3548R, F3549R, and 26H14R)
	AF	3743				( SE1000-	)	Camshaft, with pin
5A	F	1936	R (	-8203	0991			Follower, cam (8 used) (sub. F3577R, F3578R,
55	_		. `		,			and F3579R)
5B	F	3577 1		• • • • • • • • • • •	• • •	( SE1000-	)	Follower, cam (8 used)
6	F	22191		-	)	( -	)	Bushing, center
7A	F	1937	R (	<b>-820</b> 3	099)			Rod, tappet (8 used)
7B	F	3578	R.		• • •	( SE1000-	)	Rod, tappet (8 used)
8	26H	72 1	R (	-8203	0991		, , , , ,	Key, Woodruff, 1/8" x 5/8"
	26H	14 1	R :		,	( SE1000-	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Key, Woodruff
9	F	2217 1	R i	-	٠٠٠,	-	<b>`</b>	Bushing, front
10	F	1934 I	r i	_	ί .	} _	ί.	Plate, thrust
11	19H	24 1		_	(	}	(	
			•	•	,	, -	,	Screw, cap, 1/4" x 3/4" (2 used) (sub. for 19H18H)
	12H	9 I		-	)	( -	)	Washer, lock, 1/4" (2 used)
12	F	1935 F	₹ (	-8 <b>20</b> 3	099)		• • • • • •	Gear, camshaft
	F	3547 F	₹ .		•••	( SE1000-	)	Gear, camshaft
13	F	3548 I	₹.			( SE1000-	í	Washer, thrust
14	F	1783 I	3 (	-8203	0991			Retainer, governor ball
	$\overline{\mathbf{F}}$	3549 F		• • • • • • • • • •		( SE1000-	,	Retainer, governor ball
15	Α	602 I	3 i	- `	٠,	}	ζ.	Snap ring
		_			,	•	,	ough 11116

NOTE: Cranking engines have separate serial numbers on tractors 8203100-

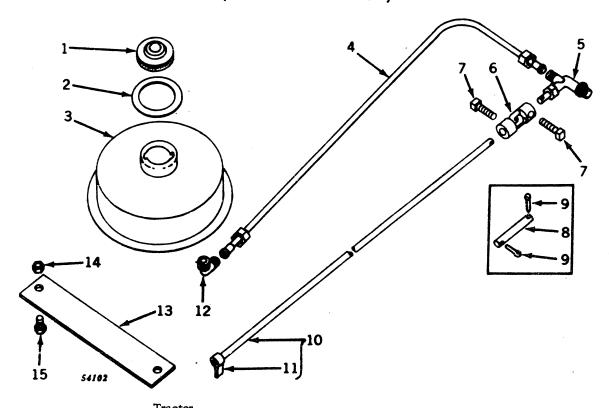
# CRANKING ENGINE MANIFOLD AND EXHAUST PIPE



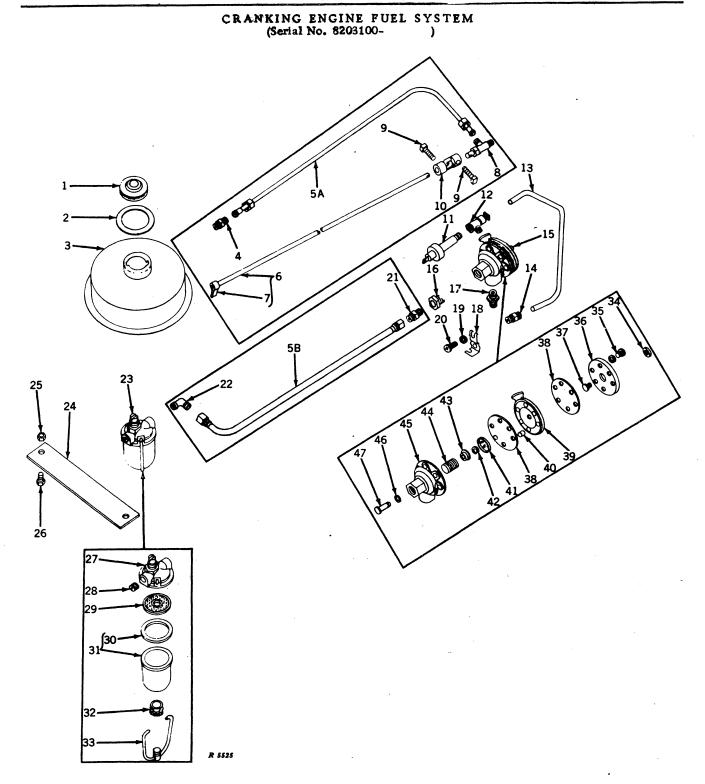
Key	D.	art No.		Tractor Serial No.		Cr	anking Engir Serial No.	ne .	Description
•		-					3611a1 140.		<b>→</b>
1 A	AR	1130 R	(	-8199	999)			• •	Pipe, exhaust, with flange
1 B	AR	1594 R	(8200	000-	j				Muffler
2	19H	1112 H	(	-	)			• •	Screw, cap, 5/16" x 3/4" (2 used)
3	R	13 <b>51 R</b>	Ì	-	j				Gasket (packed 5 in a pkg.)
4	14H	785 R	(	-	)				Nut, 5/16" (2 used)
5	19H	1096 H	į	-	)	(	. <del>-</del>	)	Screw, cap, 5/16" x 1-1/2" (6 used) (sub. for 19H130R)
6	F	2388 R	(	-	)	(	-	)	Manifold
7	Α	31 <b>25</b> R	Ì	-	)	Ì	-	Ď	Plug (2 used)
8	F	2087 R	Ī	-	)	ĺ	•	Ď	Gasket (2 used) (packed 2 in a pkg.)

NOTE: Cranking engines have separate serial numbers on tractors 8203100-

# CRANKING ENGINE FUEL SYSTEM (Serial No. 8000001-8203099)



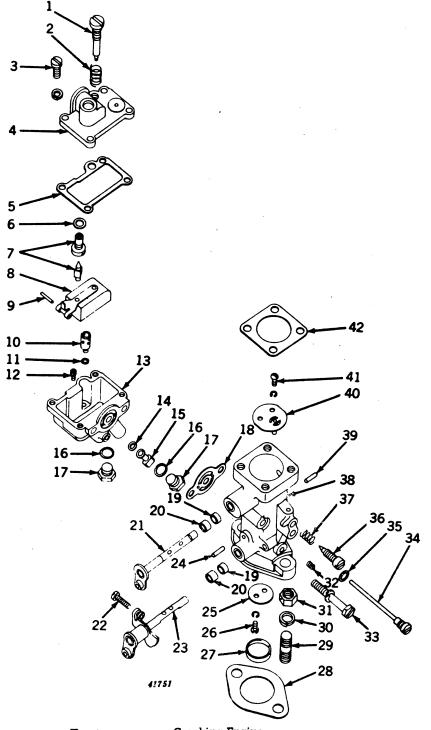
		Tractor	
Key	Part No.		Description
1	AF 2155	R ( -8203099)	Cap, filler
2	R 1382	R ( -8203099)	Gasket (packed 5 in a pkg.)
3	AR 1139	R ( -8203099)	Tank, gasoline (sub. AR1830R, AF3778R, and E1994R)
4	AR 1127	R ( -8203099)	Pipe, gasoline
5	AR 1128	R ( -8203099)	Valve, needle, gasoline shut-off
6	<b>AF</b> 3 <b>2</b> 09		Joint, universal shut-off rod
7	R 638	R (8200000-8203099)	Screw, set, in universal joint (2 used)
<b>8</b> 9	R 1328	R ( -8199999)	Coupling (sub. one AF3209R, one AR1578R, and two R638R)
9	11H 206	R ( -8199999)	Pin, cotter, /3/32" x 3/4" (2 used) (sub. for 11H19R)
10	AR 1129	R ( -8199999)	Rod, gasoline shut-off, with handle (sub. AF3209R, AR1578R, and two R638R)
	AR 1578	R (8200000-8203099)	Rod, gasoline shut-off, with handle
11	R 1156		Handle
12	F 357	R ( -8203099)	Elbow
13	R 1381	R ( -8203099)	Support, gasoline tank
14	14H 786	M ( -8203099)	Nut, 1/4" (2 used) (sub. for 14H251R)
15	19H 24 1	N ( -8203099)	Screw, cap, 1/4" x 3/4" (2 used) (sub. for 19H18H)



# CRANKING ENGINE FUEL SYSTEM -- Continued (Serial No. 8203100-)

			Tractor	
Key	Pa	art No.	Serial No.	Description
1	AF	2155 R	(8203100- )	Cap, filler
2	R	1382 R	(8203100-	Gasket (packed 5 in a pkg.)
3	AR	1830 R	(8203100- )	Tank, gasoline
4	E	1994 R	(8203100- <b>82</b> 99999)	Connector
5A	AR	1833 R	(8203100-8299999)	Pipe, gasoline (sub. AR2152R)
5B	AF	2152 R	(8300000-	Pipe, gasoline
6	AR	1578 R	(8203100-8 <b>2</b> 99999)	Rod, gasoline shut-off, with handle
7	R	1156 R	(8203100-8299999)	Handle
8	AF	2153 R	(8203100-8299999)	
9	R	638 R	(8203100-8299999)	
10	AF	3 <b>20</b> 9 R	(8203100-8299999)	Joint, universal shut-off rod
11	AF	3882 R	(8203100-	Switch, pressure
12	AF	3883 R	(8203100-	Tee, gasoline shut-off
13	F	3576 R	(8203100-	Pipe, gasoline shut-off oil
14	AA	4937 R	(8203100-	Connector, gasoline shut-off oil pipe to cylinder
15	AF	3774 R	(8203100-	Shut-off, gasoline, automatic
16	15H	522 R	(8203100-	Bushing, reducer
17	F	3575 R	(8203100-	Connector, shut-off to carburetor
18	F	3648 R	(8203100-	Support
19	В	1085 R	(8203100-	Washer
20	21H	994 R	(8203100-	Screw, mach.
21	E	1994 R	(8300000-	Connector
22	F	357 R	(8300000-	Elbow
23	AF	3 <b>778</b> R	(8203100-	Strainer, fuel
24	R	1381 R	(8203100-	Support
25	14H	786 M	(8203100-	Nut, 1/4" (2 used) (sub. for 14H251R)
26	19H	24 N	(8203100 )	Screw, cap, 1/4" x 3/4" (2 used)
27	AF	3 <b>876 R</b>	(8203100-	Body
28	F	3 <b>64</b> 3 R	(8203100- )	Plug
<b>2</b> 9	AF	3 <b>877</b> R	(8203100- )	Screen
30	F	3 <b>644</b> R	(8203100- )	Gasket (packed 2 in a pkg.)
31	AF	3878 R	(8203100-	Bowl and gasket
32	AF	3880 R	(8203100- )	Nut, adjusting
33	AF	3879 R	(8203100-	Bail
34	Α	4987 R	(8203100- )	Nut, primer bolt (packed 5 in a pkg.)
35	21H	976 R	(8203100- )	Screw, mach. (5 used)
	Α	766 R	(8203100- )	Washer, lock (5 used)
36	Α	4985 R	(8203100- )	Cover
37	A	4986 R	(8203100- )	Bolt, primer (packed 5 in a pkg.)
38	Α	4983 R	(8203100- )	Diaphragm (2 used) (packed 10 in a pkg.)
39	Α	4984 R	(8203100- )	Spacer, diaphragm
40	Α	4988 R	(8203100- )	Pin, valve (packed 5 in a pkg.)
41	A	4982 R	(8203100-	Plate, pressure
42	Ā	4981 R	(82031 <b>0</b> 0-	Ring, retaining, valve spring (packed 10 in a pkg.)
43	Α	4980 R	(8203100-	Retainer, valve spring (packed 5 in a pkg.)
44	Α	4979 R	(8203100- )	Spring, valve
45	F	3 <b>574</b> R	(8203100-	Body
46	F	36 <b>21</b> R	(8203100-	Washer, rubber, valve seat
47	F	3 <b>62</b> 0 R	(8203100-	Valve

# CRANKING ENGINE CARBURETOR



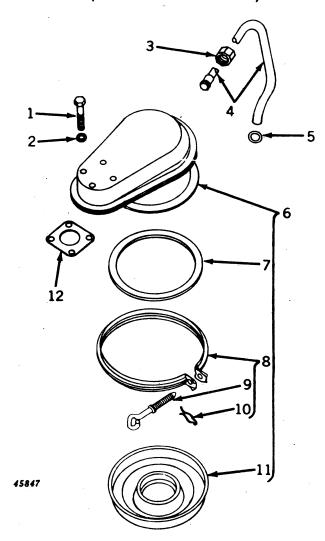
Key	Part No.	_	Fractor rial No.		С	ranking Engin Serial No.	e	Description
1	AR 13014 R	(	-	)	(	-	)	Needle, main jet adjusting (packed 2 in a pkg.) (sub. for AZN11R)
2	R 13013 R	(	-	)	(	-	)	Spring, main jet adjusting needle (packed 2 in a pkg.) (sub. for ZN12R)
3	21H 982 R**	(	-	)	(	-	)	Screw, mach., fill. hd., no. 10 x 1/2" (4 used)
	12H 36 R	(	_	)	(	· _	)	Washer, lock, no. 10 (4 used)
4	AR 13012 R	ì	_	Ś	Ì	-	)	Cover, fuel bowl, with plugs (sub. for AZN8R)
5	*	ì	_	j	Ì	-	)	Gasket, fuel bowl cover
6	*	ì	-	)	Ü	<u>-</u>	)	Gasket, fuel valve
7	AR 13002 R**	ì	_	j)	Ċ	-	)	Valve, float, with seat (sub. for AZN9R)
8	AR 13013 R	ì	_	)	į.	-	)	Float, with lever (sub. for AZN10R)
9	R 13011 R**	Ì		<u>)</u>	(	-	)	Pir, float (packed 2 in a pkg.) (sub. for ZN10R)

# CRANKING ENGINE CARBURETOR -- Continued

Ke	y Part No.	Tractor Serial No.	Cranking Engine Serial No.	Description				
10	R 13012 R**	( -8203099)	************	Jet, main (packed 2 in a pkg.) (sub. for ZN11R)				
11	R 13004 R**	( - )	( SE1000- )	Jet, main (packed 2 in a pkg.) Gasket, main jet				
12	R 13015 R	( -8203099)	••••••	Jet, compensator (packed 2 in a pkg.) (sub. for ZN14R)				
12	R 13005 R**	,	( SE1000- )	Jet, compensator (packed 2 in a pkg.)				
13 14	AR 13010 R	{ - }	( - )	Bowl, fuel, with plugs (sub. for ÂZN6R) Gasket, metering well				
15	R 13014 R	i - i	i - 5	Well, metering (packed 2 in a pkg.) (sub. for ZN13R)				
16	*	( - )	( - )	Gasket (2 used)				
17	ZN 15 H H 21008 H	( -8203099)	( SE1000- )	Plug (2 used) (sub. H21008H)				
18	*******	( - )	( 521000-	Plug (2 used) (sub. for R13006R) Gasket				
19	H 20921 H**	i - j	i - j	Washer, felt (sub. for ZN2H)				
20 21	H 20922 H**	( - )	( - )	Retainer, felt washer (2 used) (sub. for ZN3H)				
22	AR 13007 R 21H 1079 R	( -8203 <b>0</b> 99)	( - )	Shaft, choke, with lever (sub. for AZN3R) Screw, mach., fill. hd., no. 8 x 5/8 <sup>th</sup> (sub.				
	R 13000 R	• • • • • • • • • • • • • •	(`SE1000~	R13000R) Screw, special mach.				
23	AR 13004 R	( -8203099)		Shaft, throttle, with lever and adjusting screw (sub. for AZN2R)				
	AR 13001 R	•••••	( SE1000- )	Shaft, throttle, with lever and adjusting screw				
24	ZN 1 H R 13001 R	( -8203099)	/ CT1 000	Pin, throttle stop (sub. R13001R)				
25	R 13001 R R 13008 R	( -8203099)	( SE1000- )	Pin, throttle stop Disk, throttle (packed 2 in a pkg.) (sub. for				
	D 40000 m			ZN4R)				
26	R 13002 R 21H 959 R**	/	( SE1000- )	Disk, throttle (packed 2 in a pkg.)				
		,	,	Screw, mach., fill. hd., no. 5 x 3/16" (2 used)				
22	12H 4 H	( - )	( - )	Washer, lock, no. 5 (2 used)				
27	R 13009 R*	( -8203099)	••••••	Ring, deflecting (packed 2 in a pkg.) (sub. for ZN8R) (not used)				
28	R 640 R	( - )	( - )	Gasket (packed 2 in a pkg.)				
<b>2</b> 9	A 3612 R	( - )	( - )	Stud, 5/16" x 1-1/4" (2 used) (sub. for				
30	12H 10 R	( - )	( - )	H172R) Washer, lock, 5/16" (2 used)				
31	14H 785 R	<b>(</b> - )	( - )	Nut, 5/16" (2 used)				
32	R 13010 R	( - )	( - )	Plug, priming (packed 2 in a pkg.) (sub. for ZN9R)				
33	AR 13011 R	( - )	( ),	Screw, special cap, with lock washer (2				
34	AR 13009 R**	( - )	( - )	used) (packed 2 in a pkg.) (sub. for AZN7R)  Jet, idle (sub. for AZN5R)				
35	*****	( - )	( - )	Gasket, idle jet				
36 37	R 13007 R** H 20923 H	( - )	( - )	Needle, idle adjusting (sub. for ZN6R)				
38	H 20923 H AR 13006 R	( -8203099)	( - )	Spring, idle adjusting needle (sub. for ZN7H)				
•		( "0000000)	•••••	Body, carburetor, with bushings and discharge nozzle (sub. for AZN1R)				
	AR 13000 R	••••••	( SE1000- )	Body, carburetor, with bushings and discharge				
39	<b>Z</b> N 5 R	( -8203099)	•••••••••••••••••••••••••••••••••••••••	Pin, choke stop (packed 2 in a pkg.) (sub. R13003R)				
40	R 13003 R AR 13008 R	······	( SE1000-	Pin, choke stop (packed 2 in a pkg.)				
10	AK 15000 K	( - )	( - )	Disk, choke (packed 2 in a pkg.) (sub. for AZN4R)				
41	21H 959 R**	( - )	( - )	Screw, mach., fill. hd., no. 5 x 3/16" (2 used)				
40	12H 4 H	( - )	()	Washer, lock, no. 5 (2 used)				
42	F 2115 R	- )	( - )	Gasket (packed 2 in a pkg.)				
Parts	Parts listed below are assemblies of parts in this grouping.							
	AF 2146 R	( -8203099)	************	Carburetor (remove R13009R ring before in- stalling) (sub. AF3775R)				
	AF 3775 R		( SE1000- )	Carburetor				
	*AR 13015 R	( - )	( - )	Kit, carburetor gasket (individual gaskets not sold) (sub. for AZN12B)				
	**AR 13005 R	( -8203099)		sold) (sub. for AZN12R)  Kit, carburetor service (this kit also includes gaskets marked*) (sub. for AZN13R)				
	AR 13003 R	•••••	( SE1000- )	Kit, carburetor service (this kit also includes				
		· <b>~</b>		gaskets marked*) (sub. for AZN13R)				

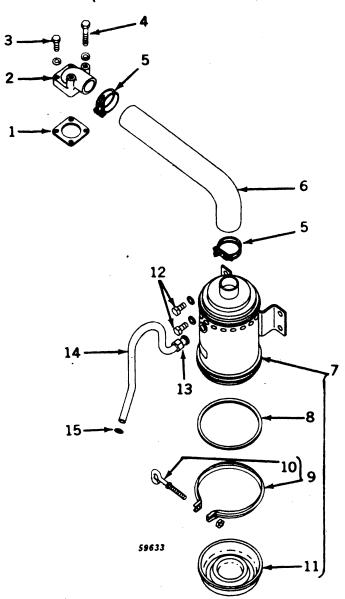
NOTE: Cranking engines have separate serial numbers on tractors 8203100-

# CRANKING ENGINE AIR CLEANER (Serial No. 8000001-8203099)



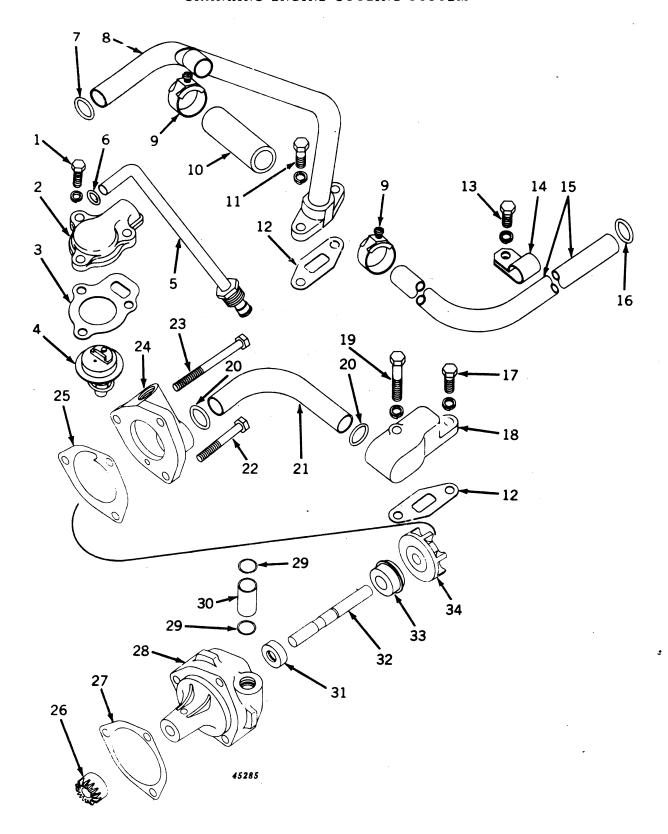
				Tractor	
Key	Pa	rt No.		Serial No.	Description
1	19H	1272 R	(	-8203099)	Screw, special cap, 1/4" x 2-3/8" (4 used)
2	F	2116 R	Ì	-8203099)	Washer (copper) (4 used) (packed 5 in a pkg.)
3	A	2880 R	Ī	-8203099)	Nut
4	AF	2181 R	Ĭ	-8203099)	Tube, ventilator
5	R	3 <b>94 R</b>	Ì	-8203099)	Packing, O-ring
6	AR	1426 R	Ĭ	-8203099)	Air cleaner
7	F	2190 R	į	-8203099)	Gasket (packed 2 in a pkg.)
8	AR	1428 R	Ĭ	-8 <b>2</b> 03099)	Clamp, with bolt
9	R	1910 R	Ì	-8203099)	Bolt, clamp
10	R	1911 R	Ì	-8203099)	Lock, spring
11	R	1906 R	į	-8203099)	Cup, oil
12	F	2115 R	Ì	-8203099)	Gasket (packed 5 in a pkg.)

# CRANKING ENGINE AIR CLEANER (Serial No. 8203100- )



Key	Part l	Mo	Tractor Serial No.		Description
ney		115 R	(8203100-	`	Gasket (packed 2 in a pkg.)
2	_	707 R	(8203100-	3	Adapter
3			(8203100-	(	Screw, cap, 1/4" x 1-1/4" (2 used) (sub. for 19H32T)
3		583 T		′ ′	Washer, lock, 1/4" (2 used)
	12H	9 R	(8203100-	?	Wasner, lock, 1/4" (2 used)
4	19H 12	272 R	(8203100-	)	Screw, cap, 1/4" x 2-3/8" (2 used)
	12H	9 <b>R</b>	(8203100-	)	Washer, lock, 1/4" (2 used)
5	AR 18	315 R	(8203100-	)	Clamp, hose (2 used)
6	R 27	773 R	(8203100-	)	Hose, rubber
7	AR 18	313 R	(8203100-	)	Air cleaner
8	F 21	190 R	(8 <b>2</b> 031 <b>0</b> 0-	)	Gasket (sub. for R2768R)
8 9	AB 10	5 <b>2</b> 9 R	(8203100-	)	Clamp
10	B 15	569 R	(8203100-	)	Bolt, clamp
11	R 1	906 R	(8203100-	)	Cup, oil
12	19H 13	255 T	(8203100-	j	Screw, cap, 3/8" x 5/8" (4 used) (sub. for 19H199R)
		154 R	(8203100-	j	Washer, $25/64^{\circ} \times 7/8^{\circ} \times 16$ gauge (4 used)
13		880 R	(8203100-	í	Nut
14		814 R	(8203100-	í	Tube, ventilator
		394 R	(8203100-	ί.	Packing, O-ring
15	K .	) <b>74 f</b> C	10203100*	,	raciang, c

### CRANKING ENGINE COOLING SYSTEM



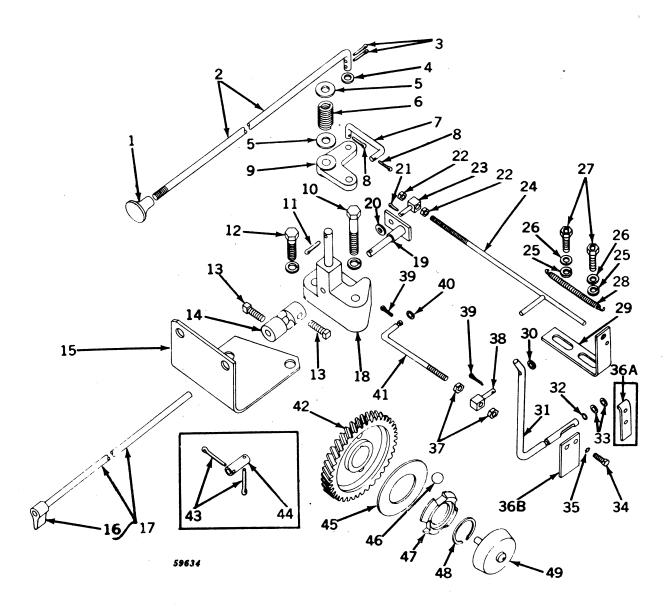
NOTE: Cranking engines have separate serial numbers on tractors 8203100-

# CRANKING ENGINE COOLING SYSTEM -- Continued

Key	Part No.	Tractor Serial No.	Cranking Engine Serial No.	Description
1	19H 118 T	( - )	( - )	Screw, cap, 5/16" x 1" (3 used) (sub. for 19H112R)
	12H 10 R	( - )	( - , )	Washer, lock, 5/16" (3 used)
2	F 2390 R	- )	- ( - Na <b>)</b>	Cover, thermostat
3	F 2391 R	( - )	( - j	Gasket (packed 5 in a pkg.)
4	AF 2415 R	( - )	( - j	Thermostat (range 100°F 115°F.)
5	AF 2416 R	( - )	( - 1	Pipe, water by-pass
6	R 394 R	( - )	( - j	Packing, O-ring
7	R 495 R	( - )		Packing, O-ring (packed 10 in a pkg.)
8	AR 1433 R	( -8203099)	•••••••	Outlet, water, with pipe (sub. AR1850R and R2738R)
	AR 1850 R	(8203100- )		Outlet, water, with pipe
9	A 4934 R	( - )	• • • • • • • • • • • • • • • • • • • •	Clamp, hose (2 used)
10	A 5203 R	( - )	• • • • • • • • • • • • • • • • • • • •	Hose
11	19H 218 N	( - )	•••••••	Screw, cap, 3/8" x 1" (2 used) (sub. for 19H211R)
	12H 11 R	( - )	• • • • • • • • • • • • • • • • • • • •	Washer, lock, 3/8" (2 used)
12	R 1535 R	( - )	• • • • • • • • • • • • • • • • • • • •	Gasket (2 used) (packed 10 in a pkg.)
13	F 2272 R	( - )	• • • • • • • • • • • • • • • • • •	Screw, special cap (packed 10 in a pkg.)
	12H 11 R	( - )	• • • • • • • • • • • • • • • • • • • •	Washer, lock, 3/8"
14	A 4656 R	( - )	• • • • • • • • • • • • • • • • • • • •	Clamp
15	R 1915 R	( -8 <b>2</b> 03099)		Pipe, water vent (AR1850R and R2738R)
	R 2738 R	(8203100-		Pipe, water vent
16	R 495 R	( - )	• • • • • • • • • • • • • • • • • • • •	Packing, Oring (packed 10 in a pkg.)
17	19H 218 N	( - )	• • • • • • • • • • • • • • • • • • • •	Screw, cap, 3/8" x 1" (sub. for 19H211R)
	12H 11 R	( - )	••••••	Washer, lock, 3/8"
18	R 1531 R	( - )		Inlet, water
19	19H 1164 R	( - )	• • • • • • • • • • • • • • • •	Screw, cap, 3/8" x 2-1/4" (sub. for 19H257H)
	12H 11 R	( - )	•••••	Washer, lock, 3/8"
20	R 495 R	( - )	••••	Packing, Oring (2 used) (packed 10 in a pkg.)
21	R 1533 R	( - )		Pipe, water inlet
22	19H 1188 M	( - )	( - )	Screw, cap, 5/16" x 2-1/2" (2 used) (sub. for 19H154H)
23	19H 172 E	( - )	( - )	Screw, cap, $5/16'' \times 3-3/4''$
24	F 2389 R	( - )	( - )	Cover, water pump
25	F 1969 R	( - )	( - )	Gasket (packed 2 in a pkg.)
26	F 1853 R	( - )	( - )	Gear, bevel, water pump
27	F 1965 R	( - )	( - )	Shim (paper) (packed 10 in a pkg.)
28	F 1960 R	( -8203099)		Housing, water pump (sub. for F3504R)
<b>5</b> 0	F 3504 R	•••••	(SE1000- )	Housing, water pump
<b>2</b> 9	B 2762 R	( - )	· ( - )	Packing, Oring (2 used) (packed 2 in a pkg.)
30	F 1967 R	, - )	( - )	Tube, water pump to cylinder
31	AF 2056 R	· ( - )	<b>,</b> - )	Seal, oil
32	F 1962 R	( - )	( - )	Shaft, water pump
33	AF 2057 R	, - j	( - )	Seal, water pump
34	F 1964 R	( - )	( - )	Impeller, water pump

NOTE: Cranking engines have separate serial numbers on tractors 8203100-

# CRANKING ENGINE GOVERNOR AND CONTROLS



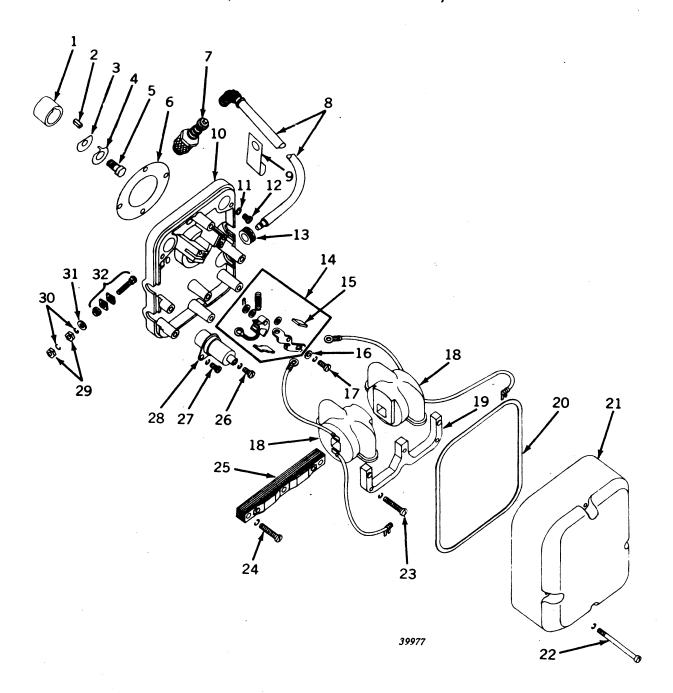
NOTE: Cranking engines have separate serial numbers on tractors 8203100-

# CRANKING ENGINE GOVERNOR AND CONTROLS -- Continued

		Tractor	Cranking Engine	
Key	Part No.	Serial No.	Serial No.	Description
1 2	B 1951 R R 1518 R	( - )	•••••	Knob, choke rod Rod, choke
3	11H 233 R	}	• • • • • • • • • • • • • • • •	Pin, cotter, 3/32" x 1/2" (2 used) (sub. for
		,		11H18R)
4	24H 132 R	( - )	• • • • • • • • • • • • • • • • • • • •	Washer, 9/32" x 1/2" x 16 gauge
5 6	24H 39 R H 343 R	( - )	•••••	Washer, 21/64" x 3/4" x 20 gauge (2 used)
7	R 1519 R	} - {		Spring Link, choke
8	11H 231 R	· - ;	*************	Pin, cotter, 1/16" x 1" (2 used) (sub. for
		•		11H3R)
9	R 1516 R	( - )	• • • • • • • • • • • • • • • • • • • •	Bell crank, choke
10	19H 150 R 12H 10 R	} - {	• • • • • • • • • • • • • • • • • • • •	Screw, cap, 5/16" x 2-1/4" Washer, lock, 5/16"
11	11H 233 R	· - ;	••••••	Pin, cotter, 3/32" x 1/2" (sub. for 11H18R)
12	F 2270 R	( - )	•••••	Screw, special cap
4.0	12H 10 R	( - )	•••••	Washer, lock, 5/16"
13 14	R 638 R AF 3209 R	(8200000- ) (8200000- )	•••••	Screw, set (2 used)
15	AR 1431 R	( -8203099)	• • • • • • • • • • • • • • • • • • • •	Joint, universal, speed control rod Support, control rod, with nuts
	AR 1832 R	(8203100- )		Support, control rod, with nuts
16	R 1156 R	( - )		Handle, speed control rod
17	AR 1129 R	( -8199999)	•••••	Rod, speed control, with handle (sub. AF32091 AR1578R, and two R638R)
	AR 1578 R	(8200000- )	• • • • • • • • • • • • • • • • • • • •	Rod, speed control, with handle
18	AR 1248 R	( - ) ( -8199999)	•••••	Bracket, R1513R, speed control, with pin
19	AR 1187 R		•••••	Arm, speed control, with shaft (sub. AF3209R, AR1580R, and two R638R)
<b>2</b> 0	AR 1580 R 24H 91 R	(8200000- , )	•••••••	Arm, speed control, with shaft
21	11H 231 R	} - {	• • • • • • • • • • • • • • • • • • • •	Washer, 13/64" x 1/2" x 18 gauge Pin, cotter, 1/16" x 1" (sub. for 11H3R)
22	14H 778 H	<b>}</b>		Nut (2 used) (sub. for 14H606R)
<b>2</b> 3	F 2119 R	( - )	• • • • • • • • • • • • • • • • • • • •	Swivel, speed control shaft
24	AR 1188 R	( - )	•••••	Shaft, speed control, with pin
25 26	12H 9 R 24H 131 A	} - {	• • • • • • • • • • • • • • • • • • • •	Washer, lock, 1/4" (2 used) Washer, 17/64" x 5/8" x 16 gauge (2 used)
27	19H 1115 N	· -	•••••	Screw, special mach. (2 used) (packed 50 in a
28	F 2120 R	( -8203099)		pkg.) (sub. for A4192R) Spring, governor (sub. F3553R)
	F 3553 R	(8203100- )	• • • • • • • • • • • • • •	Spring, governor
<b>2</b> 9	R 1522 R	( - )		Bracket, governor spring
30 31	24H 91 R F 1789 R	( - ) ( -8203099)	( - )	Washer, 13/64" x 1/2" x 18 gauge
31	F 3551 R	( -8203099)	( SE1000- )	Arm, governor Arm, governor
3 <b>2</b>	A 4365 R	( - )	( - )	Packing, O-ring (packed 2 in a pkg.)
33	24H 1017 R	( - )	( - )	Washer, 13/32" x 9/16" x 16 gauge (2 used)
34	21H 415 R 21H 415 R	( - <b>82</b> 03099)	( SE1000- )	Screw, mach.
35	21H 415 R 12H 251 R	( -8203099)	( SE1000- )	Screw, mach. (2 used) Washer, lock (sub. for A3010R)
36A	F 1790 R	( -8203099)	•••••	Lever, governor
36B	F 3552 R	• • • • • • • • • • • • • •	( SE1000- )	Lever, governor
37	14H 778 H	<b>,</b> - <del>)</del> ,	· ( - )·	Nut (2 used) (sub. for 14H606R)
38 39	F 2119 R 11H 231 R	} - {	( - )	Swivel, throttle rod
		,	( - )	Pin, cotter, 1/16" x 1" (2 used) (sub. for 11H3R)
40 41	24H 91 R F 2118 R	- }	( - )	Washer, 13/64" x 1/2" x 18 gauge
42	F 2118 R F 1935 R	-8 <b>2</b> 03099)	( - )	Rod, throttle Gear, camshaft
	F 3547 R	•••••	( SE1000- )	Gear, camshaft
43	11H 234 R	( -8199999)	•••••	Pin, cotter, 3/32" x 1" (2 used) (sub. for 11H22R)
44	R 1132 R	( -8199999)	•••••	Coupling, speed control rod (sub. AF3209R and two R638R)
45	F 3548 R	• • • • • • • • • • • • • • •	( SE1000- )	Washer, thrust
46	D 2361 R	( - )	( - )	Ball, governor (4 used)
47	F 1783 R F 3549 R	( -8203099)	/ CE1000 \	Retainer, governor ball
48	A 602 R	( - )	( SE1000- )	Retainer, governor ball Snap ring
49	AF 1987 R	· · · · · · · · · · · · · · · · · · ·	( - )	Race, governor ball, with plunger
			•	· • • • • • • • • • • • • • • • • • • •

NOTE: Cranking engines have separate serial numbers on tractors 8203100-

### CRANKING ENGINE DISTRIBUTOR (Distributor Serial No. 001000-)



NOTE: Cranking engines have separate serial numbers on tractors 8203100-

### CKANKING ENGINE DISTRIBUTOR -- Continued (Distributor Serial No. 001000-)

```
Distributor
Key
           Part No.
                               Serial No.
                                                                Description
             9261 B
                            001000-
                                                 Cam, breaker (sub. for 9261)
 2
                                                 Key (packed 2 in a pkg.)
             2080 R
                            001000-
             2081 R
                            001000-
                                                 Washer, special (packed 2 in a pkg.)
 4
        F
             2082 R
                            001000-
                                                 Plate, lock (packed 2 in a pkg.)
        F
             2199 R
                            001000-
                                                 Screw, special cap
 6
             2083 R
        F
                            001000-
                                                 Gasket (packed 5 in a pkg.)
                                                Spark plug (Champion J-8-64F) (4 used)
 7
        AP
            19170 HR
                            001000-
        AF
             2180 R
                            001000-
                                                Spark plug (AC45M) (4 used)
        AΡ
            23316 HR
                            001000-
                                                Spark plug (Auto-Lite) (4 used)
 8
                                                 Cable, spark plug, upper (2 used) (sub. AR12004R)
        X
             9652
                            001000-031071
        AR
           12004 R
                            031072-
                                                Cable, spark plug, upper (2 used)
       X
             9653
                           001000-031071
                                                Cable, spark plug, lower (2 used) (sub. AR12005R)
        AR
           12005 R
                            031072-
                                                Cable, spark plug, lower (2 used)
             1986 R
       В
                           001000-
                                                 Clip, cable (2 used)
10
             9268
                            001000-
                                                Plate, back
11
        24H
               91 R
                                                Washer, distributor to timing gear cover screw (4 used)
                           001000-
12
              981 R
        21H
                           001000-
                                                Screw, special mach., distributor to timing gear cover (4 used)
             2179
13
                                                Grommet, spark plug cable (4 used)
                           001000-
14
             9021
                           001000-
                                                Point, breaker, set (2 used)
             5446*
15
                           001000-
                                                Felt, cam wiper (2 used)
16
             2965
                           001000-
                                                Washer (brass) (2 used)
17
       21H
              238 R
                           001000-
                                                Screw, special mach. (2 used)
              765 R
                           001000~
                                                Washer, special lock (2 used)
18
             9295
       X
                           001000-
                                                Coil (2 used)
19
                           001000-
                                                Not furnished
20
             9262
                           001000-
                                                Gasket
21
             9299
                           001000-
                                                Cover, distributor
22
       21H
              986 R
                           001000-
                                                Screw, special mach. (2 used)
       12H
               36 R
                           001000-
                                                Washer, lock, no. 10 (2 used)
23
              994 R
       21H
                           001000-
                                                Screw, special mach. (2 used)
       12H
               35 R
                           001000-
                                                Washer, lock, no. 8 (2 used)
24
       21H
              994 R
                           001000-
                                                Screw, special mach. (2 used)
       12H
               35 R
                           001000-
                                                Washer, lock, no. 8 (2 used)
25
       X
             9257
                           001000-
                                                Coil, core
       21H
26
              238 R
                           001000-
                                                Screw, special mach. (2 used)
              765 R
                           001000-
                                                Washer, special lock (2 used)
27
       21H
              238 R
                           001000-
                                                Screw, special mach. (2 used)
              765 R
                           001000-
       A
                                                Washer, special lock (2 used)
28
             9263
       X
                           001000-
                                                Condenser (2 used)
29
       14H
              605 R
                           001000-
                                                Nut, no. 8 (2 used)
30
               35 R
       12H
                           001000-
                                                Washer, lock, no. 8 (2 used)
31
          M-33X
                           001000-
                                                Washer
32
       AF
            2177 R
                           001000-
                                                Stud, connector, with insulators
```

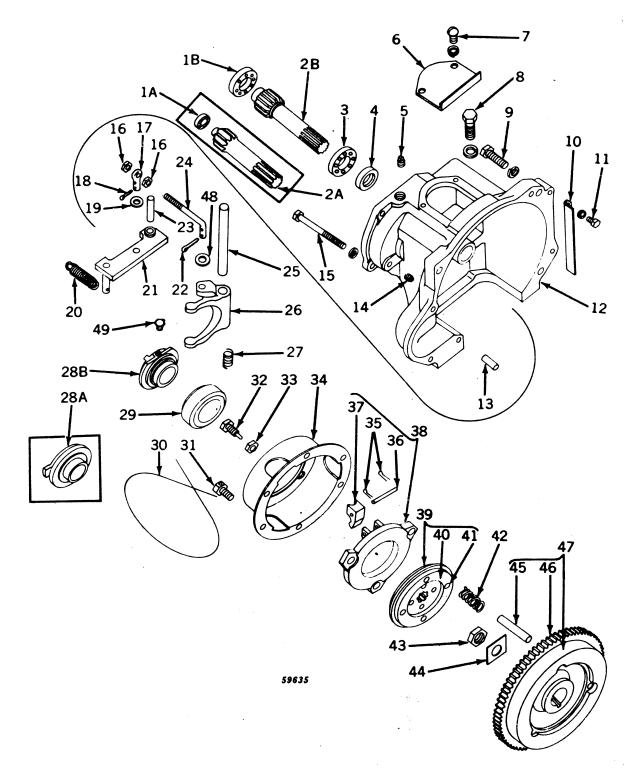
Part listed below is an assembly of most of the parts in this grouping.

AR 1370 R ( - ) Distributor (Wico) (6-volt)

NOTE: Cranking engines have separate serial numbers on tractors 8203100-

<sup>\*</sup>Furnished by Dubuque Tractor Works.

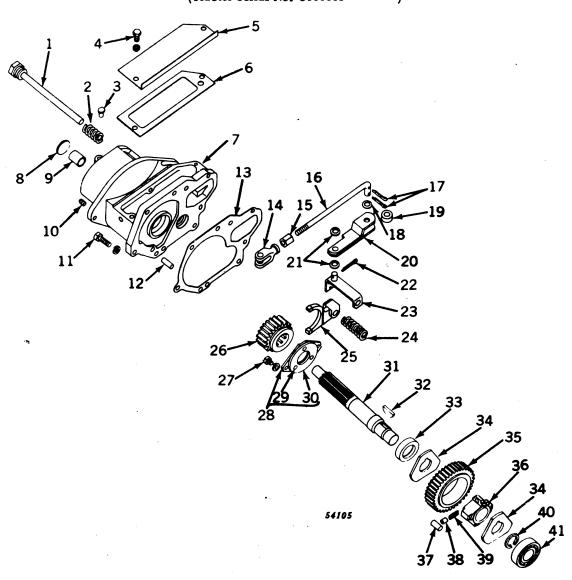
#### CRANKING ENGINE CLUTCH



### CRANKING ENGINE CLUTCH -- Continued

		Tractor	
Key	Part No.	Serial No.	Description
1Á	JD 8511 T	( -8203099)	Bearing, outer
1B	JD 7678 R	(8203100- )	Bearing, outer
2A	F 1986 R	( -8203099)	Shaft, clutch and gear
2B	F 3507 R	(8203100- )	Shaft, clutch and gear
3	JD 8533 R	( - )	Bearing, inner
4	AF 2167 R	·	Seal, oil
5 6	AF 3453 R F 2011 R	- {	Plug, with filler
7	F 2011 R 21H 597 R	- }	Cover, clutch adjusting Screw, mach., 1/4" x 1/2" (2 used)
•	12H 9 R	} _ {	Washer, lock, 1/4" (2 used)
8	19H 352 T	· - 5	Screw, cap, 7/16" x 1-3/4" (2 used)
	12H 12 R	( - )	Washer, lock, 7/16" (2 used)
9	19H 1166 H	( - )	Screw, cap, 7/16" x 1-1/2" (3 used)
4.0	12H 12 R	( - )	Washer, lock, 7/16" (3 used)
10	R 1784 R	( - )	Cover, clutch housing
11	19H 1227 M 12H 9 R	( - )	Screw, cap, 1/4" x 1/2" (2 used) (sub. for 19H13R)
12	R 1760 R	} - {	Washer, lock, 1/4" (2 used)
13	A 4879 R	} - {	Housing, clutch Pin, dowel (2 used)
14	15H 253 R	} - {	Plug, pipe, 1/8"
15	19H 1296 H	· - 5	Screw, cap, 3/8" x 3-3/4" (2 used) (sub. for 19H288R)
	12H 11 R	( - )	Washer, lock, 3/8" (2 used)
16	14H 611 R	( -8199999)	Nut, jam, 5/16" (2 used) (sub. for 14H340H)
40	14H 342 A	(8200000-	Nut, jam, 3/8" (2 used)
17	R 1782 R	(-8199999)	Swivel, shifter link (sub. R2524R)
18	R 2524 R 11H 206 R	(8200000-	Swivel, shifter link
19	24H 156 R	} = {	Pin, cotter, 3/32" x 3/4" (2 used) (sub. for 11H19R) Washer, 13/32" x 11/16" x 16 gauge
20	R 1696 R	·	Spring
21	AR 1309 R	· - 1	Follower, shifter, with pin and spacer
22	11H 211 R	· - 5	Pin, cotter, 1/8" x 3/4" (2 used) (sub. for 11H39R)
23	A 819 R	( - )	Pin, dowel
24	R 1781 R	( -8199999)	Link, shifter
25	R 2523 R	(8200000-	Link, shifter
25 26	R 1761 R R 1759 R	( - ( -8199999)	Shaft, clutch fork
20	R 2525 R	(8200000-	Fork, clutch (sub. R2523R, R2524R and R2525R)
27	R 447 R	(0200000-	Fork, clutch Spring
28A	F 1987 R	( -8001699)	Collar, clutch release bearing (sub. F2387R)
28B	F 2387 R	(8001700- )	Collar, clutch release bearing
<b>2</b> 9	AR 555 R	( -8001699)	Bearing, clutch release (sub. AF2408R)
••	AF 2408 R	<b>(</b> 8001700- )	Bearing, clutch release
30	D 016 B	( - )	Wire, 16 gauge x 30" long
31 32	D 916 R	( - )	Screw, cap, 3/8" x 3/4", drilled (6 used)
33	R 675 R 14H 732 R	- }	Screw, clutch adjusting
34	AR 548 R	} _ {	Nut, jam, 3/8" (3 used) Cover, clutch, with nuts
35	11H 233 R	} - 1	Pin, cotter, 3/32" x 1/2" (6 used) (sub. for 11H18R)
36	R 672 R	· - · ·	Pin, clutch toggle (3 used)
37	R 671 R	( <b>-</b> ()	Toggle, clutch (3 used)
38	AR 905 R	( - )	Disk, clutch adjusting, with toggles
39	AR 20327 R	( - )	Disk, clutch, with facings (sub. for AR546R)
40 41	R 669 R	( -8299999)	Facing, clutch (2 used) (packed 2 in a pkg.)
42	D 1761 R R 673 R	( -8299999)	Rivet (4 used) (packed 100 in a pkg.)
43	14H 793 T	- }	Spring (3 used) Nut iam 3/4" (sub for 14H481D)
44	F 1836 R	} {	Nut, jam, 3/4" (sub. for 14H481D) Plate, lock
45	R 619 R	·	Pin, clutch drive (3 used)
46	F 2265 R	( - Ś	Gear, starter ring
47	AF 2012 R	( - )	Flywheel, with starter gear
48	24H 154 R	(	Washer on shifter link
49	JD 7788	(8001700- j	Fitting, grease, release bearing collar

## CRANKING ENGINE TRANSMISSION (Tractor Serial No. 8000001- )



# CRANKING ENGINE TRANSMISSION -- Continued (Tractor Serial No. 8000001-)

,			Tractor	
Key	Par	rt No.	Serial No.	Description
1		1347 R	( -8203099	) Shaft, transmission shifter, with plug
	AR	1817 R	(8203100-	Shaft, transmission shifter, with plug
2		1829 R	i -	Spring
3		2302 RT	· -	Cup, oiler
4		1227 M	}	Screw, cap, 1/4" x 1/2" (2 used) (sub. for 19H13R)
-	12H	9 <b>R</b>	·	Washer, lock, 1/4" (2 used)
5	R	1764 R	·	Cover
6		1842 R	}	Gasket (packed 5 in a pkg.)
7		1306 R	-8203099	Housing D1770D transmission with harbinary lett
′		1816 R	(8203100-	
8		13 R	(0203100-	Housing, R2709R, transmission, with bushing and oiler
9	R	796 R	}	Plug, expansion, 1"
10			•	Bushing
11		253 R		Plug, pipe, 1/8"
11	19H	218 N	, -	Screw, cap, 3/8" x 1" (7 used) (sub. for 19H211R)
40	12H	11 R	<b>,</b> - ?	Washer, lock, 3/8" (7 used)
12		4879 R	( - )	Pin, dowel (2 used)
13		1783 R	( - )	Gasket (packed 5 in a pkg.)
14		284 R	( - )	Yoke
15		1874 R	( - )	Nut, special
16		1775 R	( - )	Rod, transmission shifter
17		211 R	( - )	Pin, cotter, 1/8" x 3/4" (2 used) (sub. for 11H39R)
18		156 R	( - )	Washer, 13/32" x 11/16" x 16 gauge
19		3108 R	( - )	Roller, transmission shifter yoke
20		1308 R	( - )	Yoke, transmission shifter .
21		156 R	( - )	Washer, 13/32" x 11/16" x 16 gauge (2 used)
22		211 R	( - )	Pin, cotter, 1/8" x 3/4" (sub. for 11H39R)
23		1307 R	( - · )	Bracket, transmission shifter, with pin
24		17 <b>6</b> 9 R	( - )	Spring
25		1766 R	( - )	Shifter, transmission
26		1765 R	( - )	Pinion, transmission sliding
27	19H	1170 N	( - )	Screw, cap, 1/4" x 1" (2 used) (sub. for 19H27T)
	12H	9 <b>R</b>	( - )	Washer, lock, 1/4" (2 used)
28	AF :	2075 R	( - )	Plate, transmission brake, with facing
<b>2</b> 9	D :	2309 R	<b>(</b> - )	Rivet (3 used) (packed 100 in a pkg.)
30		805 R	( - )	Facing, brake
31	R :	1763 R	( - )	Shaft, transmission drive
3 <b>2</b>	26H	30 H	( - )	Key, Woodruff
33	AR	531 R	( - )	Seal, oil
34	F 2	2001 R	i - i	Plate, over-running clutch (2 used) (packed 2 in a pkg.)
35		2000 R	i - i	Gear, transmission drive
36		1999 R	· - · ·	Hub, over-running clutch
37		820 R	i - 1	Roller, over-running clutch (4 used) (packed 2 in a pkg.)
38	Ř	800 R	· - · ·	Plunger, over-running clutch (4 used)
39	R	801 R		Spring (4 used)
40	Â	378 R	} _ {	Snap ring
41		7681 H		Bearing
	J		• /	<del> </del>

#### MEMORANDA

			·		1 ra	ctors 8	0, 820	, 830	, and e	30-1				90-1
Pa	rt No.	Page	Key		rt No.	Page	-	P	art No.	Page	Key	Part No.	Page	Key
2H	680 R	55-11	17	14H	399 F			19H	112 F	R 40-33	• •	19H 1216 R	60 <b>-</b> 6	15
				14H 14H	400 F			19H	118 7	Γ 40 <b>-</b> 33	• •	19H 1218 C	55-11	
				14H	404 F			19H	124 F		16	19H 1219 R	55- 8	
7H <b>7</b> H	386 F			14H	406 T	65-11		19H 19H	130 F		12 12	19H 1227 M	60- 8	
	1496 R			14H	408 F			19H	150 F		10	19H 1242 M 19H 1244 N	20 <b>-</b> 2	
,,,	1-70 1	7) 2		14H	411 F			19H	154 H		22	19H 1249 R	60- 8	
				14H 14H	473 F		_	19H	172 E	E 85-19	23	19H 1253 R	15-11	
	1436 H			14H	483 F			19H	196 H		7	19H 1255 T	15- 9	
	1590 F			14H	511 F			19H	199 F		17	19H 1258 T	50- 5	
	2375 F			14H	514 M			19H 19H	211 F 218 M		18 18	19H 1264 T	55- 8 85-16	
	2376 F 3789 F			14H	524 F			19H	230 F		8	19H 1286 H	35- 8	
611	3107	. 00 0	. 10	14H	531 H			19H	239 1		9	19H 1296 H	85-25	
				14H 14H	540 F			19H	246 7		5	19H 1303 R	55-13	20
11H	3 F			14H	606 R	_		19H	255 N		13	19H 1335 R	60-11	
11H	18 F			14H	608 F	₹ 40- 5		19H	256 F 257 F		13 15	19H 1356 R	15- 7 10- 3	
11H 11H	19 F 22 F			14H	611 F			19H 19H	277 F		7	19H 1363 R 19H 1365 R	10- 4	
11H	38 F			14H	631 F			19H	281 F		9	19H 1373 R	10- 4	
11H	39 F			14H 14H	649 F			19H	288 F		15	19H 1374 R	45-10	
11H	41 F	15- 2	6	14H	732 F	_		19H	292 1		27	19H 1391 R	15- 7	22
11H	43 F			14H	742 F		5 2	19H	31.4 F		18	19H 1405 R	45-10	
11H	45 F		_	14H	760 F	₹ 10-4	. 3	19H	317 F		16	19H 1425 R	10- 4	
11H	49 F 78 F			14H	772 N			19H 19H	337 N 345 T		12 24	19H 1439 N 19H 1455 R	55- 5 65-11	
11H 11H	76 F			14H	774 F	_		19H	352 T		24	19H 1470 R	15- 7	
11H	84 F			14H	778 (			19H	353 F		2	19H 1499 K	65-11	
11H	88 F	70- 5		14H 14H	785 F 786 N			19H	360 T		2	19H 1526 R	65-11	
11H	117 F			14H	793			19H	363 F		33	19H 1569 R	50- 9	
11H	126 F			14H	795 F	85-8		19H	398 T 403 F		48 15	19H 1574 R	50- 9	
11H 11H	206 F 211 F			14H	798 F			19H	405 F		65	19H 1637 R 19H 1650 R	10- 3	
11H	216 F	_	_	14H	800 F			19H	410 F		66	19H 1655 H	55- 7	
îін	218 F			14H	801 F 809 T			19H	414		4	19H 1665 T	65-11	
11H	222 F			14H 14H	812			19H	438 F		17	19H 1667 R	10- 3	• •
11H	231 F			14H	813			19H	444		26	19H 1683 T	35- 7	
11H	233 F		_	14H	849 F		15	19H	448 F 455 F		14 16	19H 1686 R	75- 9	
11H 11H	234 F 236 F			1				19H	456 F		10	19H 1687 R	15- 9 75- 7	
11H	237 F			1				19H	457 F		8.	19H 1697 R	50 <del>-</del> 3	
11H	249 F			15H	237 F			19H	462		8	19H 1705 T	45- 3	
11H	252 F		. 18	15H 15H	238 F 239 F			19H	472		41	19H 1710 T	35- 5	
				15H	241 F	_		19H	475 F		2	19H 1780 R	10- 8	1
1				15H	253 F			19H	482 E		4 6			
12H 12H	4 H 9 F			15H	254 F			19H	500 F		17	21H 238 R	85-23	3 17
12H	10 F			15H	255 F			19H	506 H		17	210 230 K	85-23	
12H	11 F			15H	260 F 276 T			19H	531 F		11	21H 395 R	40-13	
12H	12 F	35-3		15H 15H	522 F			19H	537 F	R 50-5	9	21H 404 R	40-23	
12H	13 F			15H	558 F			19H	988		1	21H 415 R	85- 3	
12H	14 F			15H	559 F	R 75- 9	10		1004 1 1006 F		6 19	21H 597 R	15- 5	
12H	15 F 17 F			15H	560 F				1056		4	21H 605 R 21H 619 R	60-11 40-11	
12H 12H	17 F			15H	561	75-			1060 F		16	21H 706 H	50- 7	
12H	21 F			15H	562 F	75-9	49		1084 F		23	21H 769 H	25- 2	
12H	35 F		8	1	+				1092 M		33	21H 959 R	85-15	
12H	36 F			16H	90 I	1 70-	7 24		1096 1		12	21H 964 R	40-13	
12H	64 F			16H	277	4 75-13			1112		1 16	21H 969 R	40-13	
12H	75 F			16H	648				1116		1	21H 971 R 21H 972 R	40-19 40-36	. –
12H 12H	132 F 251 F	_		16H	663				1118		20	21H 973 R	40-27	
12H	253 F				1152			1104	1120		43	21H 975 R	40-19	
12H	290 F				1339 / 1346 /				1125		4	21H 976 R	85-13	
12H	291 F				1422			19H	1127	R 50-9	16	21H 979 R	35-10	
				1.5		, , , ,		19H	1131	N 15-13	29	21H 981 R	85- 8	
				1					1136		16 6	21H 986 R	40-19	-
14H	251 F 253 F			19H	11				1145		2	21H 991 R 21H 994 R	15-12 85-13	
14H 14H	253 F			19H	13				1146		17	21H 995 R	40- 5	
14H	257 F	_		19H	16			19H	1148	R 75-3	5	21H 1023 E	60-11	
14H	259 F	35- 7	22	19H 19H	18   24				1164		15	21H 1032 E	40-11	
14H	261 F			19H	27		-		1166		4	21H 1079 R	85-15	22
14H	272 F			19H	28				1170		<b>27</b> 2	21H 1114 T	40- 7	' 6
14H	340 H			19H	32	T 35-	7 46		1183   1188		22			
14H 14H	342 A 344 F			19H	9 <b>9</b>				1189		22	22H 6 R	25- 3	3 11
14H	383 F			19H	100				1192	N 50- 3	7	22H 169 R	20- 5	
14H	390 F	70- 5	5 5	19H 1 <b>9</b> H	103			19H	1195	E 50- 5	11	22H 178 R	20- 5	27
14H	392 F			1 311		. 60-1		19H	1211	N 25- 5	9	22H 688 R	45-10	) 3
14H	395 F	20- 5	12		Miles I was or supply							<u> </u>		<u></u>

90-2				<u></u>	Part No.	·		20, 830, and Part No.		Key	Part No.	Page	Kov
Par	t No.	r	age .	Ney	30H 21 T	<b>Page</b> 15- 9	-		Page		·	_	Key
22H	710 F	-	85- 8		21 1	. 15- 9	19	1103021	40- 3 40- 9	4	1909654	40-19 40-21	65
22H	711		70- 9		l				40-33	1	1910183	40-10	21
22H	715 F		75- 6 75- 6		34H 28 N	70- 9	1	1107155	40-13	• •	1911263	40- 5	22
22H 22H	719 F		75- 6		34H 39 H	25- 7	2		40-31	2		40- 9	13
2211	120	`	, ,	, 0	34H 41 H 34H 58 R	25- 2 75- 3	5 7	1113801	40-19	• •	1911485	40- 5	11
					34H 60 N	30- 4	31		40-33	3		40-10	22
24H	1 5	₹	20- 5	37	34H 77 T	30- 4	31	1113830	40-21	• •	1911628	40-21	70
24H			65- 3		34H 81 N	65- 7	18	1118786	40 <del>-</del> 33 40- 2	4 5	1911644	40-19 40-21	<b>5</b> 3 <b>4</b> 9
24H	39 !		25- 7		34H 103 H	30- 7	19	1110,00	40- 5	18	1912008	40-21	23
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