

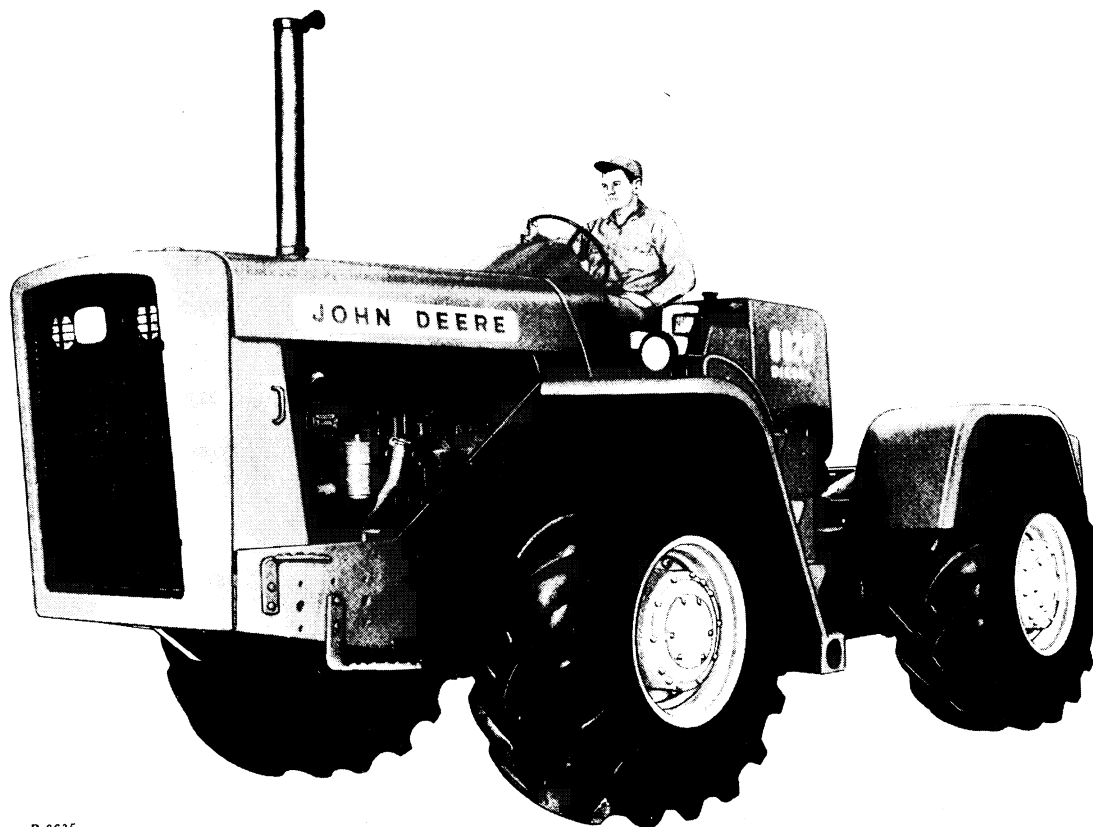


JOHN DEERE

Parts Catalog

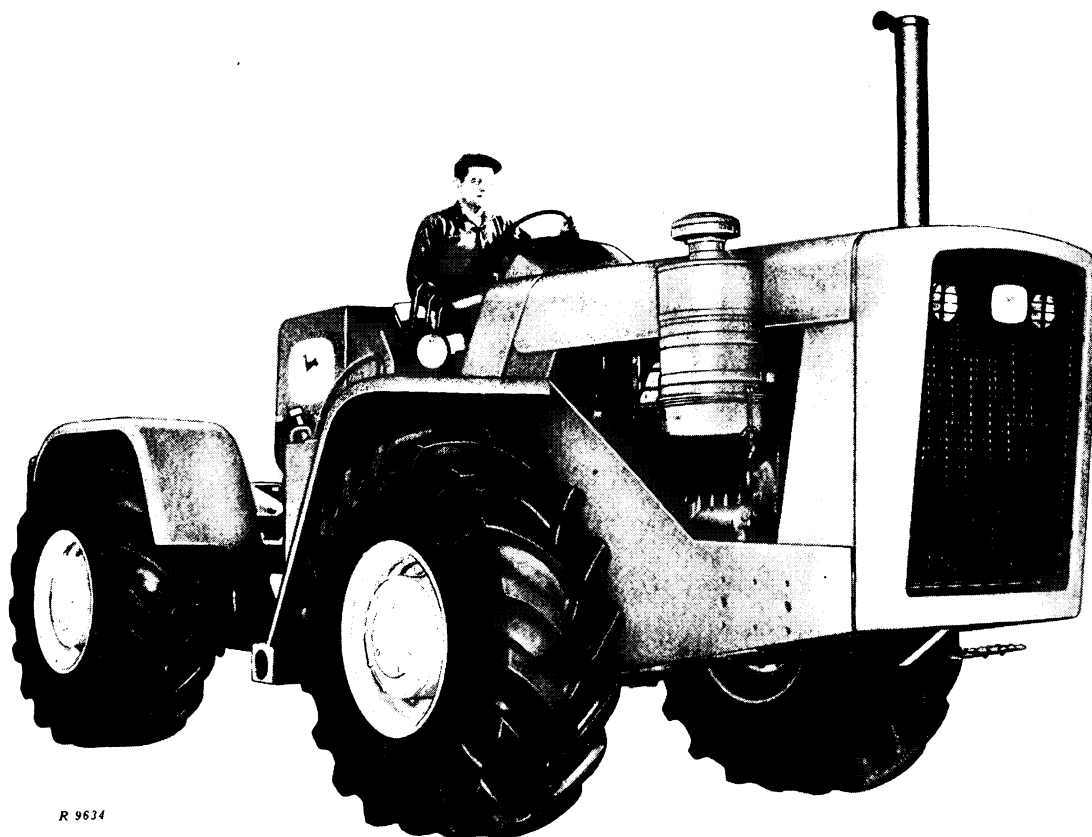
8020 TRACTOR

PC908



R 9635

John Deere 8020 Diesel Tractor, Left-Hand Side View



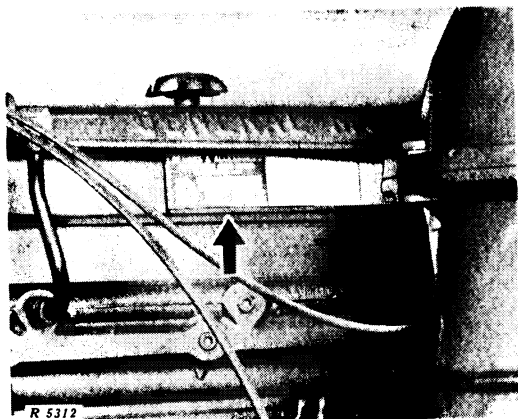
R 9634

John Deere 8020 Diesel Tractor, Right-Hand Side View

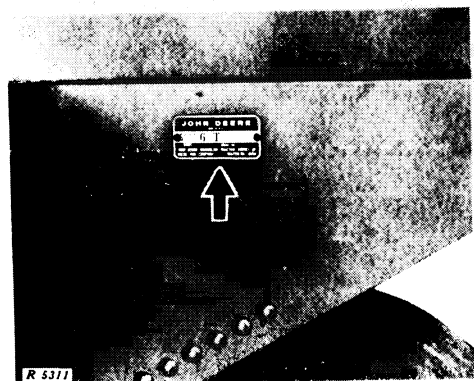
SERIAL NUMBERS

Serial numbers are important when parts are ordered to assure that the desired parts are received.

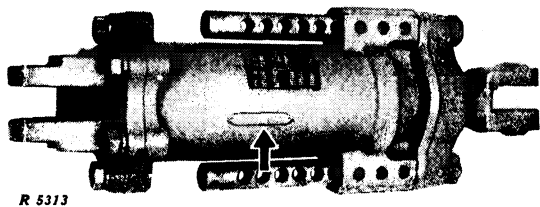
Each 8020 Tractor has two basic serial numbers; one for the engine, and one for the tractor. In addition, each AR1716R Remote Cylinder (page 55-14) bears a serial number.



The engine serial number is stamped on a plate located on the right-hand side of the valve rocker arm cover.



The tractor serial number is stamped on a plate located on the left-hand side of the front section (bogie) of the tractor.



The AR1716R Remote Cylinder serial number plate is prominently located on the cylinder housing.

SPECIAL INSTRUCTIONS FOR ORDERING REPLACEMENT PARTS FOR THE 8020 TRACTOR

Parts with prefix "AR" or "R" and with suffix "R" should be ordered from the John Deere Waterloo Tractor Works. Parts with plain numbers, unless designated with an asterisk, should be ordered from your General Motors Detroit Diesel Distributor. Parts with other alphabetical prefixes and suffixes should be ordered from the John Deere Factory designated.

S E R I A L N U M B E R C O L U M N

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 tractors.

When a serial number appears before the dash (0000000-)
the part was introduced beginning with that serial number and is still being used.

When a serial number appears after the dash (-0000000)
the 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 number.

When a serial number contains xxxxxxx before the dash..... (xxxxxxx-)
the part is approved for production but the beginning serial number was not established when this catalog went to press.

When a serial number contains xxxxxxx after the dash (-xxxxxxx)
the part is discontinued but the last serial number was not established when this catalog went to press.

P A C K A G E D P A R T S

For added protection and ease of handling between the factory, branch houses, parts depots, 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 should order packaged quantities. Parts packaged in quantity will be furnished as individual parts only in extreme emergencies.

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 should order the packaged quantities. The packages bear the same part number indicated by quantity as the individual parts.

When the statement reads:

“Pkg. of 2” or “Pkg. of 4,” etc., the parts cannot be ordered individually. The number which appears in the Parts Number Column is a “package” number and not the part number of the individual part.

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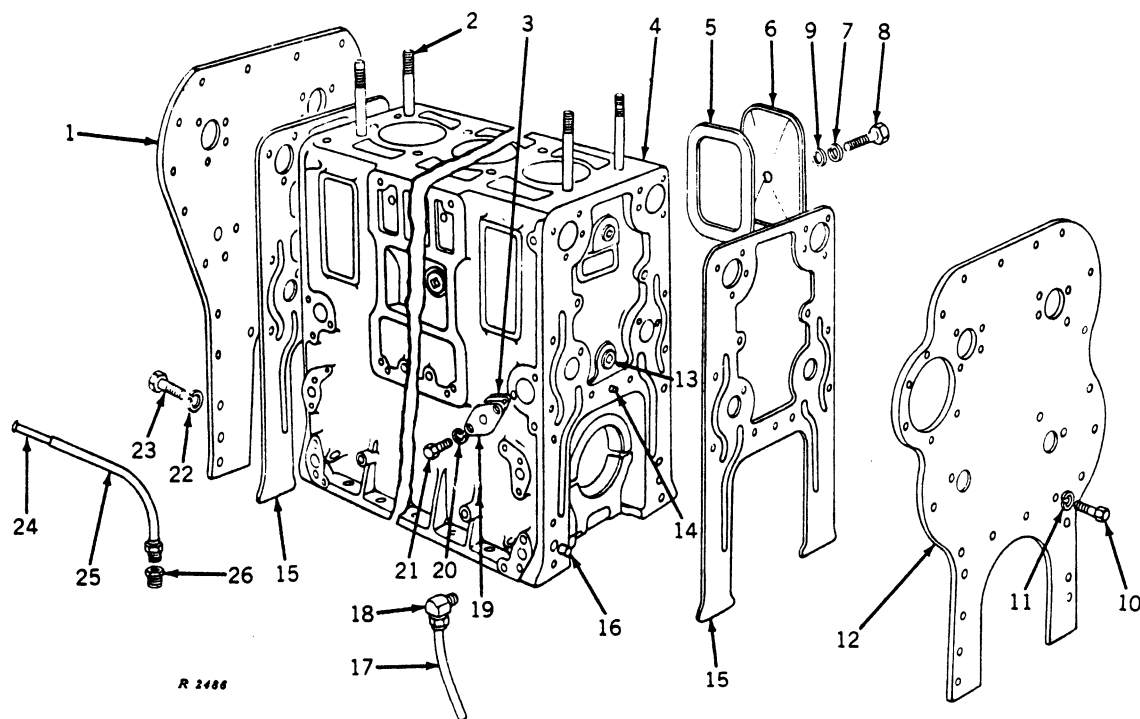
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MEMORANDA

CYLINDER BLOCK, DIPSTICK, AND AIR BOX DRAIN



CYLINDER BLOCK, DIPSTICK, AND AIR BOX DRAIN -- Continued

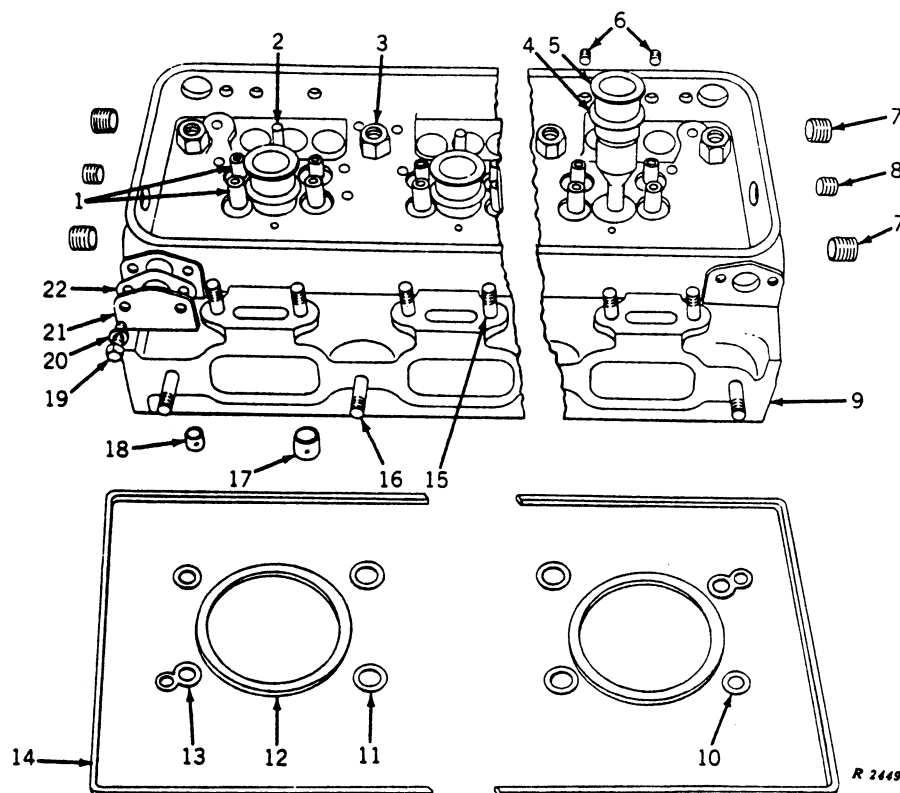
Key	Part No.	Engine Serial No.	Description
1	5152878	(-)	Plate, cylinder block front end
2	5183329	(-)	Stud, cylinder head (4 used)
3	5116357	(-)	Gasket, water hole cover
4	5195150	(-)	Block, cylinder, with main bearing caps, pins, bolts and lock washers, cylinder head studs, and dowels, plugs and cylinder liner inserts
	444687	(-)	Plug, 1/8" pipe, allen head (7 used)
	103877	(-)	Plug, 1/8" pipe (4 used)
	444692	(-)	Plug, 1/4" pipe, allen head (2 used)
	103878	(-)	Plug, 1/4" pipe (10 used)
	444867	(-)	Plug, 3/8" pipe, allen head
	5183256	(-)	Plug, 1-1/4" O.D., 3/8" pipe tap, core hole
	444873	(-)	Plug, 1/2" pipe, allen head (4 used)
	444795	(-)	Plug, 3/4" pipe (2 used)
	5111798	(-)	Plug, 1" pipe (10 used)
	5154319	(-)	Plug, 1/4" x 5/16", oil hole (3 used)
	5150014	(-)	Plug, 1-1/4", core hole
	5178997	(-)	Gasket, plug, 2" x .069" (4 used)
5	5150020	(-)	Gasket, cylinder block hand hole cover (8 used)
6	5153117	(-)	Cover, cylinder block hand hole, plain (7 used)
	5184459	(-)	Cover, cylinder block hand hole (2 holes tapped 3/4" for air compressor)
7	103341	(-)	Washer, 3/8" flat (8 used)
8	5153139	(-)	Screw, cap, hand hole cover (8 used)
9	105451	(-)	Gasket, 3/8" copper (8 used)
10	179839	(-)	Screw, cap, 3/8" -16 x 1" (12 used)
11	103321	(-)	Washer, lock, 3/8" (12 used)
12	5150060	(-)	Plate, cylinder block rear end
13	5178998	(-)	Plug, 1-3/4" -16, special (4 used)
14	5150130	(-)	Plug, oil hole, cylinder block ends (2 used)
15	5177798	(-)	Gasket, cylinder block end plate (2 used)
16	5151576	(-)	Dowel, flywheel housing and front cover (4 used)
17	5158825	(-)	Tube, air box drain, dev. L. 4-1/4" (2 used)
18	137422	(-)	Elbow, 5/16", inv. fl. tube, 90° (2 used)
19	5115097	(-)	Cover, cylinder block water hole, 3/8" tapped hole
20	.....	( - )	Washer, lock, 5/16" (2 used)
21	.....	( - )	Screw, cap, 5/16" -18 x 7/8" (2 used)
22	.....	( - )	Washer, lock, 1/2", front only (2 used)
23	179882	(-)	Screw, cap, 1/2" -13 x 1-1/8", front only (2 used)
24	5181940	(-)	Dipstick
25	5174871	(-)	Adapter, dipstick
26	5151430	(-)	Guide, dipstick

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

5193115 (-) Gasket kit, engine overhaul, for one complete overhaul (as required)

Note: Parts with plain numbers, unless designated with an asterisk, should be ordered from your General Motors Detroit Diesel Distributor.

CYLINDER HEAD

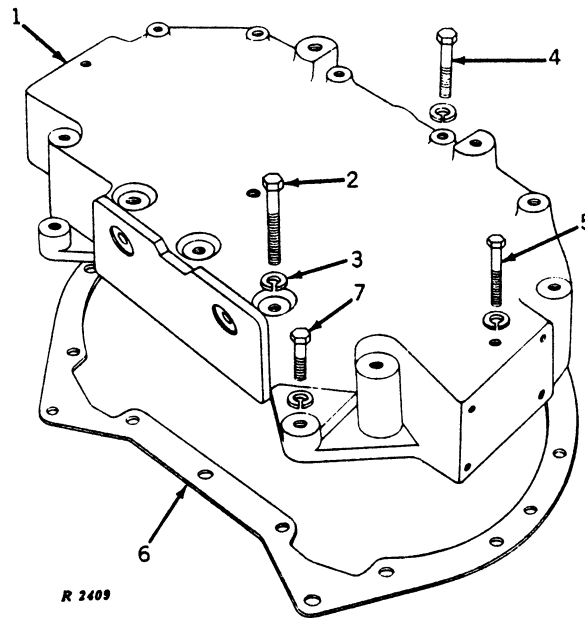


Key	Part No.	Engine Serial No.	Description
1	5119992	(-)	Guide, exhaust valve (24 used)
2	5150251	(-)	Stud, injector clamp (6 used)
3	5150013	(-)	Nut, cylinder head stud (4 used)
4	5160037	(-)	Ring, injector hole tube seal (6 used)
5	5150041	(-)	Tube, injector hole (6 used)
6	5154453	(-)	Plug, 3/8" -16 sl. hd. (4 used)
	444873	(-)	Plug, 1/2" pipe (6 used)
7	444795	(-)	Plug, 3/4" pipe (4 used)
	5125237	(-)	Plug, 1/4" x .320" long, hex. skirt (18 used)
	5178976	(-)	Plug, 7/16" -14 (4 used)
8	444867	(-)	Plug, 3/8" pipe (2 used)
9	5196558	(-)	Head, cylinder (4 valve) (with plugs, nozzles, valve guides and inserts, injector hole tubes and seal rings, and exhaust manifold studs) (sub. for 5196307)
10	5186577	(-)	Ring, cylinder head end water hole seal (2 used)
11	5186579	(-)	Ring, cylinder head water hole seal (10 used)
12	5183330	(-)	Gasket, cylinder head compression (6 used)
13	5183305	(-)	Gasket, cylinder head water and oil seal (2 used)
14	5119974	(-)	Ring, cylinder head oil seal
15	5150362	(-)	Stud, water outlet manifold (12 used)
16	5112899	(-)	Stud, exhaust manifold to head (7 used)
17	5111332	(-)	Nozzle, cylinder head water (double outlet) (10 used)
18	5172874	(-)	Nozzle, cylinder head water (single outlet) (4 used)
19	18001	(-)	Screw, cap, 1/4" -20 x 1/2" (6 used)
20	.....	( - )	Washer, lock, 1/4" (6 used)
21	5150268	(-)	Cover, cylinder head governor hole (3 used)
22	5150269	(-)	Gasket, governor hole cover (4 used)

Parts listed below are not illustrated.

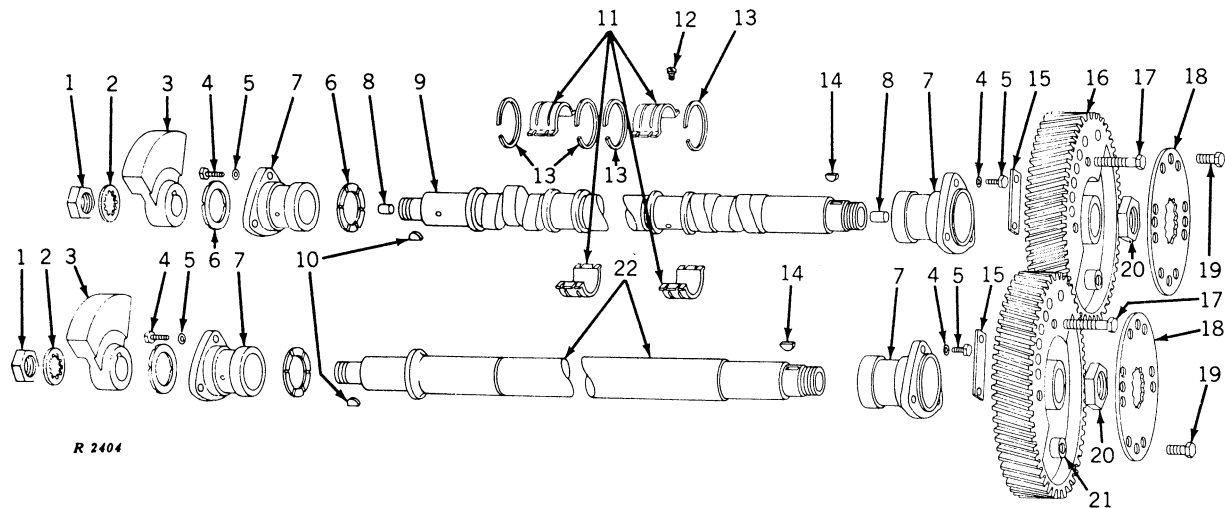
5121788	(-)	Baffle, oil drain holes (6 used)
5123074	(-)	Connector, 1/4" inv. fl. tube (restricted)
5193118	(-)	Kit, gasket, cylinder head overhaul (for one complete cylinder head overhaul) (as required)
5117003	(-)	Screw, cap, cylinder head (10 used)

BALANCE WEIGHT COVER



Key	Part No.	Engine Serial No.	Description
1	5118553	(-)	Cover, balance weight
2	181385	(-)	Screw, cap, 3/8" -24 x 3" (9 used)
3	.....	( - )	Washer, lock, 3/8" (15 used)
4	186783	(-)	Screw, cap, 3/8" -16 x 3-1/2" (2 used)
5	186309	(-)	Screw, cap, 3/8" -24 x 3-1/4" (2 used)
6	103340	(-)	Washer, flat, 3/8" (2 used)
7	5121753	(-)	Gasket
	179846	(-)	Screw, cap, 3/8" -16 x 1-7/8" (2 used)

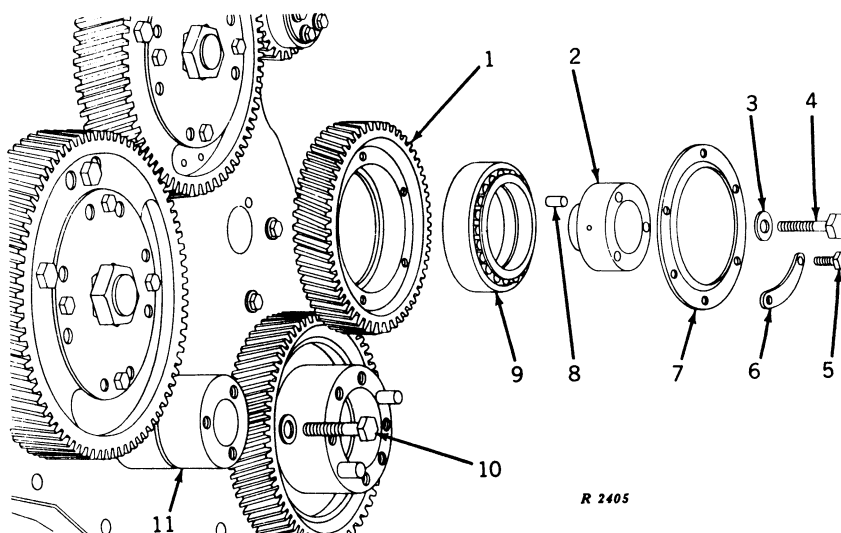
CAMSHAFT AND CAMSHAFT GEAR TRAIN



R 2404

Key	Part No.	Engine Serial No.	Description
1	5150087	(-)	Nut (2 used)
2	5177769	(-)	Washer, lock (2 used)
3	5114031	(-)	Weight, front balance (2 used)
4	186622	(-)	Screw, cap, 3/8" -16 x 1-1/4" (12 used)
5	.....	( - )	Washer, lock, 3/8" (12 used)
6	5111424	(-)	Washer, cam and balancer shaft thrust (standard) (4 used)
	5194826	(-)	Washer, thrust .005" undersize (as required)
	5194827	(-)	Washer, thrust .010" undersize (as required)
7	5111422	(-)	Bearing, cam and balancer shaft end, with bushings (standard) (4 used)
	5194858	(-)	Bearing, cam and balancer shaft end, with bushings .010" undersize (as required)
	5194859	(-)	Bearing, cam and balancer shaft end, with bushings .020" undersize (as required)
	5194825	(-)	Bushing, cam and balancer shaft end bearing, .020" undersize, unfinished (as required)
	5111423	(-)	Bushing, cam and balancer shaft end bearing (grooved) (8 used)
8	5151277	(-)	Plug (2 used)
9	5122486	(-)	Camshaft (stamped 5122202) (includes key 8)
10	5153914	(-)	Key (2 used)
11	5196022	(-)	Set, bearing, camshaft intermediate (upper and lower) (standard) (5 used)
	5196025	(-)	Set, bearing, camshaft intermediate (upper and lower), .010" oversize on O.D. (as required)
	5196023	(-)	Set, bearing, camshaft intermediate (upper and lower), .010" undersize on I.D. (as required)
	5196024	(-)	Set, bearing, camshaft intermediate (upper and lower), .020" undersize on I.D. (as required)
12	5123383	(-)	Screw, cap, camshaft intermediate bearing lock (5 used)
13	5115572	(-)	Ring, camshaft intermediate bearing lock (10 used)
14	5153914	(-)	Key (2 used)
15	5172347	(-)	Weight, rear balancer (2 used)
16	5176457	(-)	Gear, camshaft
17	181374	(-)	Screw, cap, 3/8" -24 x 1-1/2" (4 used)
18	5172734	(-)	Retainer, cam and balancer shaft gear nut (2 used)
19	186627	(-)	Screw, cap, 3/8" -24 x 1" (8 used)
	.....	( - )	Washer, lock, 3/8" (8 used)
20	5150087	(-)	Nut (2 used)
21	5176458	(-)	Gear, balance shaft
22	5158673	(-)	Shaft, balance

CAMSHAFT IDLER GEAR

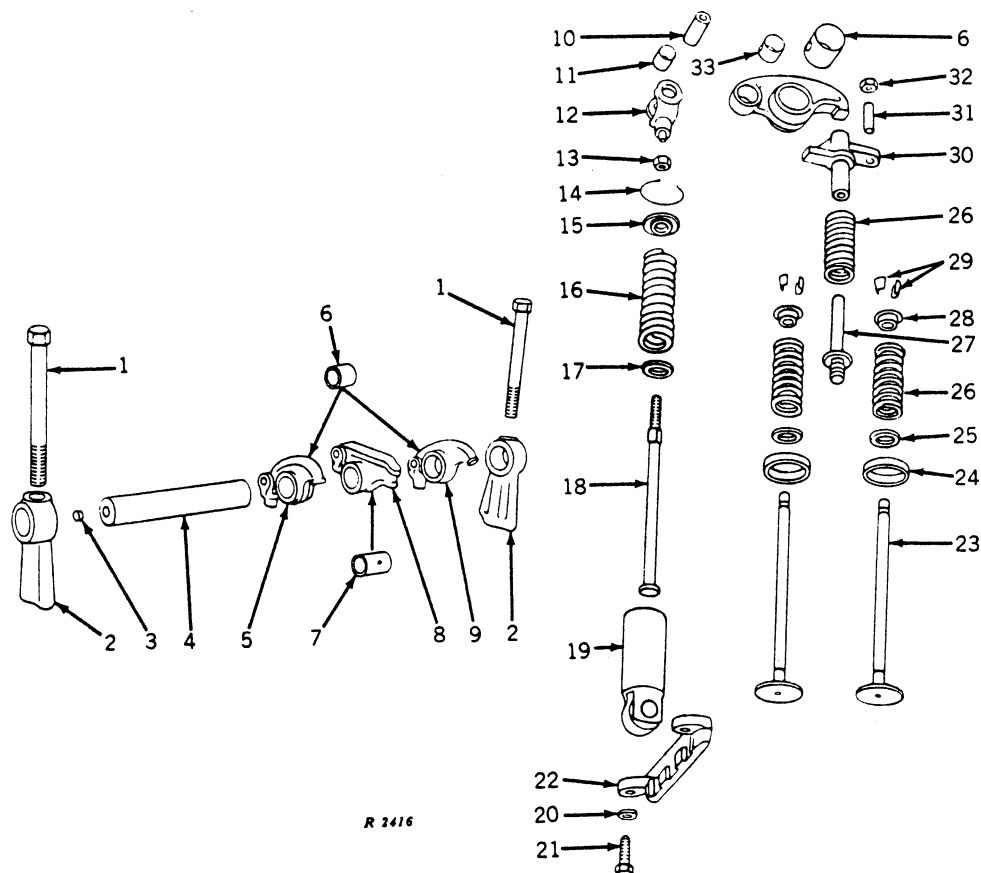


Key	Part No.	Engine Serial No.	Description
1	5176995	(-)	Gear, camshaft, idler
2	5176996	(-)	Hub, idler gear (includes key 8)
3	5167714	(-)	Washer
4	186689	(-)	Screw, cap, 1/2" -13 x 2"
5	446072	(-)	Screw, cap, 5/16" -24 x 1/2" (6 used)
6	5176999	(-)	Lock, bolt (3 used)
7	5176998	(-)	Retainer, idler gear bearing
8	5151444	(-)	Dowel
9	7450205	(-)	Bearing, idler gear
10	186689	(-)	Screw, cap, 1/2" -13 x 2"
	5167714	(-)	Washer
11	5117141	(-)	Spacer, idler gear hole, with dowel
	5151444	(-)	Dowel

Part listed below includes some of the parts in this grouping.

5192569 (-) Gear assembly, idler (includes keys 1, 2, 3, 4, and 9)

VALVE OPERATING MECHANISM



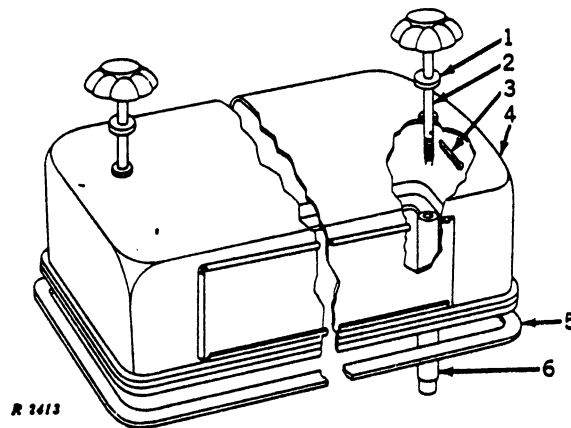
R 1416

Key	Part No.	Engine Serial No.	Description
1	5150325	(-)	Screw, cap, rocker shaft bracket (12 used)
2	5150324	(-)	Bracket, rocker shaft (12 used)
3	5151272	(-)	Plug (6 used)
4	5150322	(-)	Shaft, rocker, includes plug (6 used)
5	5111343	(-)	Arm, exhaust valve rocker, includes keys 6, 10, 11, 12, and 33 (6 used)
6	5122445	(-)	Bushing, valve rocker arm large (12 used)
7	5150318	(-)	Bushing, injector rocker arm large (6 used)
8	5179954	(-)	Arm, injector rocker, includes keys 7, 10, 11, 12, and 33 (6 used)
9	5111340	(-)	Arm, exhaust valve rocker, includes keys 6, 10, 11, 12, and 33 (6 used)
10	5150314	(-)	Pin, rocker arm clevis (18 used)
11	5123700	(-)	Bushing, rocker arm clevis (18 used) (sub. for 5150313)
12	5150312	(-)	Clevis, push rod end (18 used)
13	5151601	(-)	Nut, lock, push rod (18 used)
14	5150303	(-)	Retainer, push rod spring (18 used)
15	5150302	(-)	Seat, push rod spring (upper) (18 used)
16	5186858	(-)	Spring, push rod (18 used)
17	5150300	(-)	Seat, push rod spring (lower) (18 used)
18	5150299	(-)	Rod, push (18 used)
19	5115087	(-)	Follower, cam, includes roller (18 used)
	5195220	(-)	Set, roller, includes roller, bushing and pin (18 used)
20	.....	( - )	Washer, lock, 1/4" (12 used)
21	443603	(-)	Screw, cap, 1/4" -20 x 3/4" (12 used)
22	5150298	(-)	Guide, cam follower (6 used)
23	5195167	(-)	Valve, exhaust, includes locks (24 used)
	5119992	(-)	Guide, exhaust valve (24 used)
24	5119898	(-)	Insert, exhaust valve (standard) (24 used)
	5195162	(-)	Insert, exhaust valve (.010" O.S. on O.D.) (as required)
25	5196148	(-6A 94750)	Seat, exhaust valve spring (24 used)
	5117562	(6A 94751-	Seat, exhaust valve spring (24 used)

VALVE OPERATING MECHANISM -- Continued

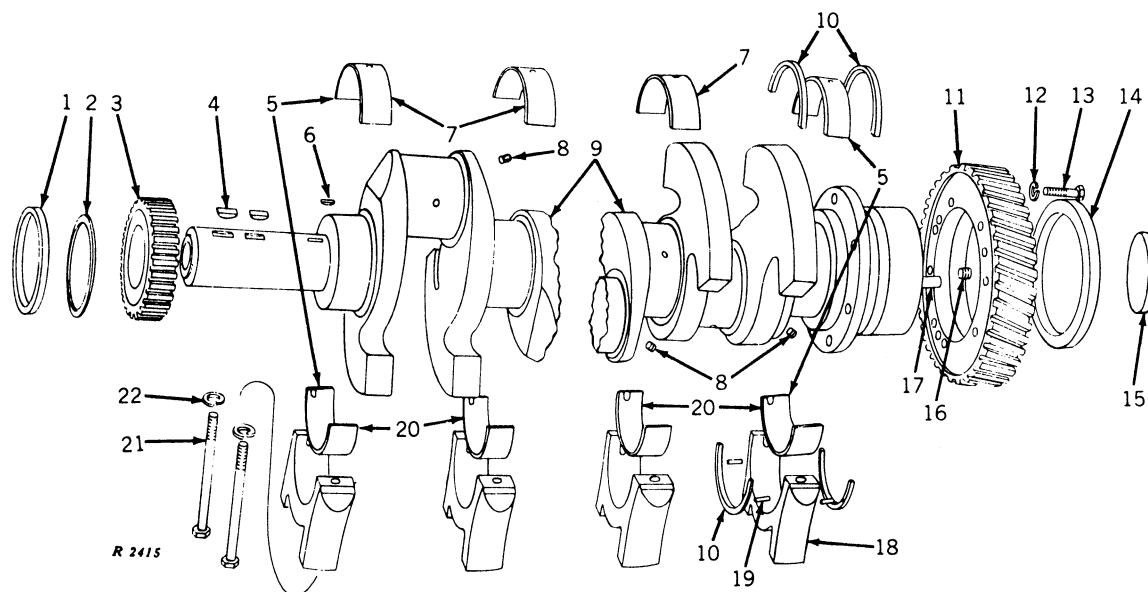
Key	Part No.	Engine Serial No.	Description
26	5111339	(-6A 94750)	Spring, exhaust valve and bridge (36 used)
	5117561	(6A 94751-)	Spring, valve only (24 used)
27	5196843	(-6A 94750)	Guide, exhaust valve bridge, includes seal (threaded type) (12 used) (sub. for 5111329)
	5111331	(-6A 94750)	Seal, threaded type guide (12 used)
	5117564	(6A 94751-)	Guide, exhaust valve bridge (pressed-in type) (12 used)
28	5111338	(-6A 94750)	Cap, exhaust valve spring (24 used)
	5117563	(6A 94751-)	Cap, exhaust valve spring (24 used)
29	5111337	(-)	Lock, exhaust valve spring (halves) (48 used)
30	5117565	(-)	Bridge, exhaust valve (12 used) (sub. for 5111346)
31	5129101	(-)	Screw, bridge adjusting (12 used)
32	5151601	(-)	Nut, bridge screw locking (12 used)
33	5150311	(-)	Bushing, rocker arm, small (18 used)

ROCKER COVER



Key	Part No.	Engine Serial No.	Description
1	5150333	(-)	Washer (4 used)
2	5157194	(-)	Screw, cap, rocker cover holddown (4 used)
3	455532	(-)	Pin, roll, 1/8" x 1" (4 used)
4	5178383	(-)	Cover, valve rocker
5	5150329	(-)	Gasket, rocker cover
6	5157192	(-)	Stud, rocker cover (4 used)

CRANKSHAFT

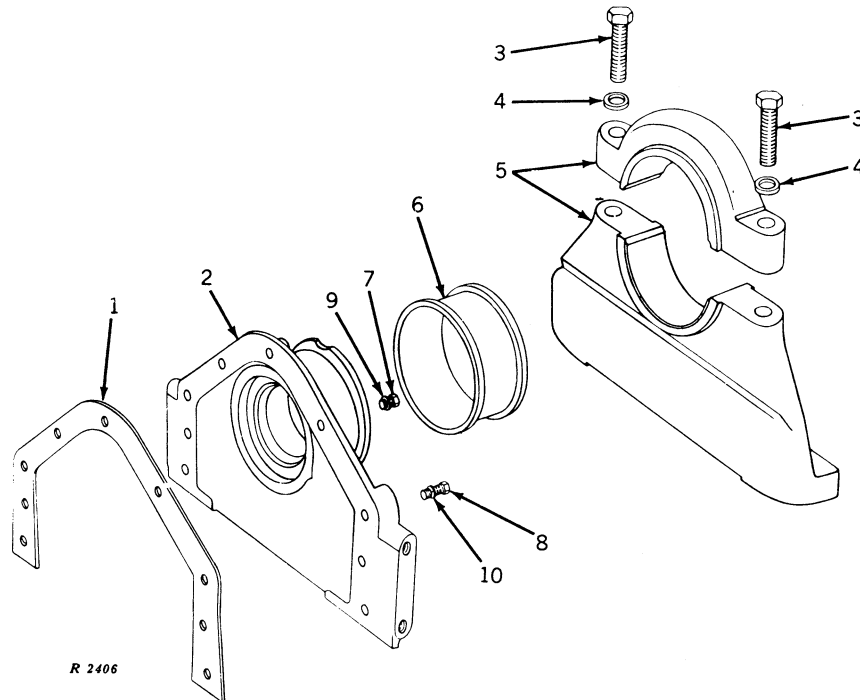


Key	Part No.	Engine Serial No.	Description
1	5151392	(-)	Seal, crankshaft front oil
2	5150174	(-)	Slinger, crankshaft front oil
3	5156532	(-)	Gear, oil pump drive
4	117982	(-)	Key, woodruff, 3/8" x 1-1/4"
5	5192874	(-)	Set, shell, standard (upper and lower) (as required)
	5192875	(-)	Set, shell, .002" undersize (upper and lower) (as required)
	5192876	(-)	Set, shell, .010" undersize (upper and lower) (as required)
	5192877	(-)	Set, shell, .020" undersize (upper and lower) (as required)
	5192878	(-)	Set, shell, .030" undersize (upper and lower) (as required)
	5193738	(-)	Set, shell, .040" undersize (upper and lower) (as required)
	5193739	(-)	Set, shell, .050" undersize (upper and lower) (as required)
	5193740	(-)	Set, shell, .060" undersize (upper and lower) (as required)
6	106751	(-)	Key, woodruff, 3/16" x 3/4"
7	5179631	(-)	Shell, upper crankshaft main bearing (standard) (7 used)
	5192880	(-)	Shell, upper, .002" undersize (as required)
	5192884	(-)	Shell, upper, .010" undersize (as required)
	5192888	(-)	Shell, upper, .020" undersize (as required)
	5192892	(-)	Shell, upper, .030" undersize (as required)
	5192901	(-)	Shell, upper, .040" undersize (as required)
	5192905	(-)	Shell, upper, .050" undersize (as required)
	5192909	(-)	Shell, upper, .060" undersize (as required)
8	444687	(-)	Plug, pipe, 1/8" (6 used)
9	5179068	(-)	Crankshaft, with plugs and dowel
10	5159353	(-)	Washer, crankshaft main bearing thrust (standard) (4 used)
	5160542	(-)	Washer, thrust, .005" undersize (as required)
	5192111	(-)	Washer, thrust, .010" undersize (as required)
11	5173330	(-)	Gear, crankshaft timing
12	.....	( - )	Washer, lock, 3/8" (6 used)
13	5150271	(-)	Screw, cap, crankshaft timing gear (6 used)
14	5178989	(-)	Seal, crankshaft rear oil (standard)
	5192776	(-)	Seal, crankshaft rear oil, oversize (as required)
	5192496	(-)	Spacer, crankshaft rear oil seal (as required)
	5193413	(-)	Sleeve, crankshaft rear oil seal (as required)
15	5155661	(-)	Baffle, crankshaft oil, rear
16	5173048	(-)	Plug
17	5177528	(-)	Dowel (2 used)
18	5158674	(-)	Cap, crankshaft main bearing (7 used)
19	141346	(-)	Pin, dowel, 3/16" x 1/2" (4 used)

CRANKSHAFT -- Continued

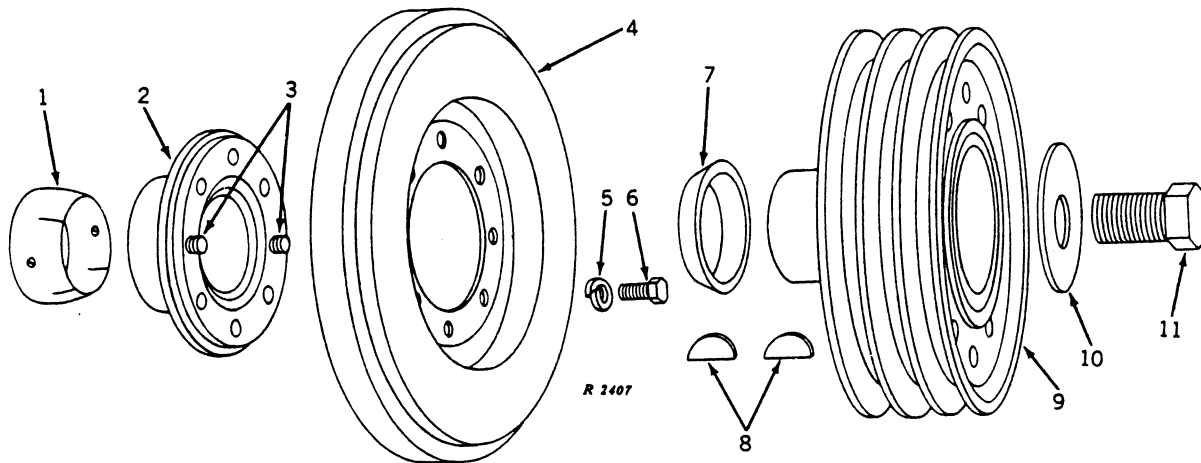
Key	Part No.	Engine Serial No.	Description
20	5179630	(-)	Shell, lower crankshaft main bearing (standard) (7 used)
	5192879	(-)	Shell, lower, .002" undersize (as required)
	5192883	(-)	Shell, lower, .010" undersize (as required)
	5192887	(-)	Shell, lower, .020" undersize (as required)
	5192891	(-)	Shell, lower, .030" undersize (as required)
	5192900	(-)	Shell, lower, .040" undersize (as required)
	5192904	(-)	Shell, lower, .050" undersize (as required)
	5192908	(-)	Shell, lower, .060" undersize (as required)
21	5152149	(-)	Screw, cap, main bearing cap (14 used)
22	.....	( - )	Washer, lock, 5/8" (14 used)

CRANKSHAFT FRONT COVER AND ENGINE MOUNTING



Key	Part No.	Engine Serial No.	Description
1	5112641	(-)	Gasket, crankshaft front cover
2	5175935	(-)	Cover, with crankshaft, front oil seal
3	179867	(-)	Screw, cap, 7/16"-14 x 2-1/4" (2 used)
4	.....	( - )	Washer, lock, 7/16" (2 used)
5	5191477	(-)	Support, engine front trunnion mounting, with bolts and lock washers
6	5166864	(-)	Ring, engine front trunnion mounting support cushion
7	181370	(-)	Screw, cap, 3/8"-24 x 1-1/4" (3 used)
8	186631	(-)	Screw, cap, 1/2"-13 x 2-1/4" (4 used)
9	.....	( - )	Washer, lock, 3/8" (3 used)
10	.....	( - )	Washer, lock, 1/2" (4 used)

CRANKSHAFT PULLEY AND VIBRATION DAMPER

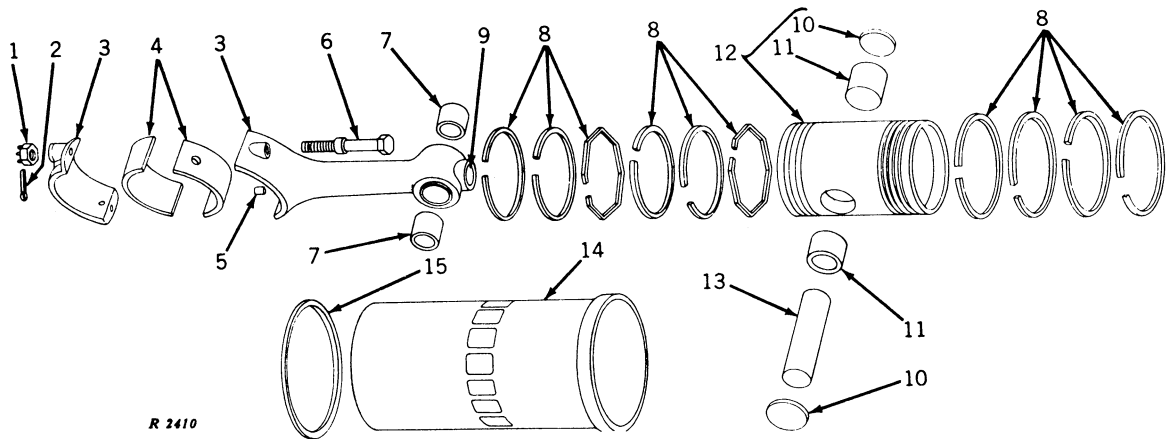


Key	Part No.	Engine Serial No.	Description
1	5158640	(-)	Cone, vibration damper, rear, 2-1/8" long
2	5179243	(-)	Hub, vibration damper, with dowels
3	5156295	(-)	Dowel (2 used)
4	5110306	(-)	Damper, vibration
5	.....	( - )	Washer, lock, 7/16" (6 used)
6	181394	(-)	Screw, cap, 7/16"-20 x 7/8" (6 used)
7	5158641	(-)	Cone, vibration damper front, 17/32" long
8	117982	(-)	Key, 3/8" x 1-1/4" woodruff (2 used)
9	5115881	(-)	Pulley, crankshaft
10	5157930	(-)	Retainer, crankshaft pulley, 2-3/8" O.D.
11	5153623	(-)	Screw, cap, 1"-14 x 2-1/4", crankshaft pulley retainer

Parts listed below are not illustrated.

5177550	(-)	Clip, vibration damper ground
9409256	(-)	Screw, cap, 7/16"-20 x 1/2" (2 used)
103342	(-)	Washer, flat, 7/16"

CONNECTING RODS AND PISTONS



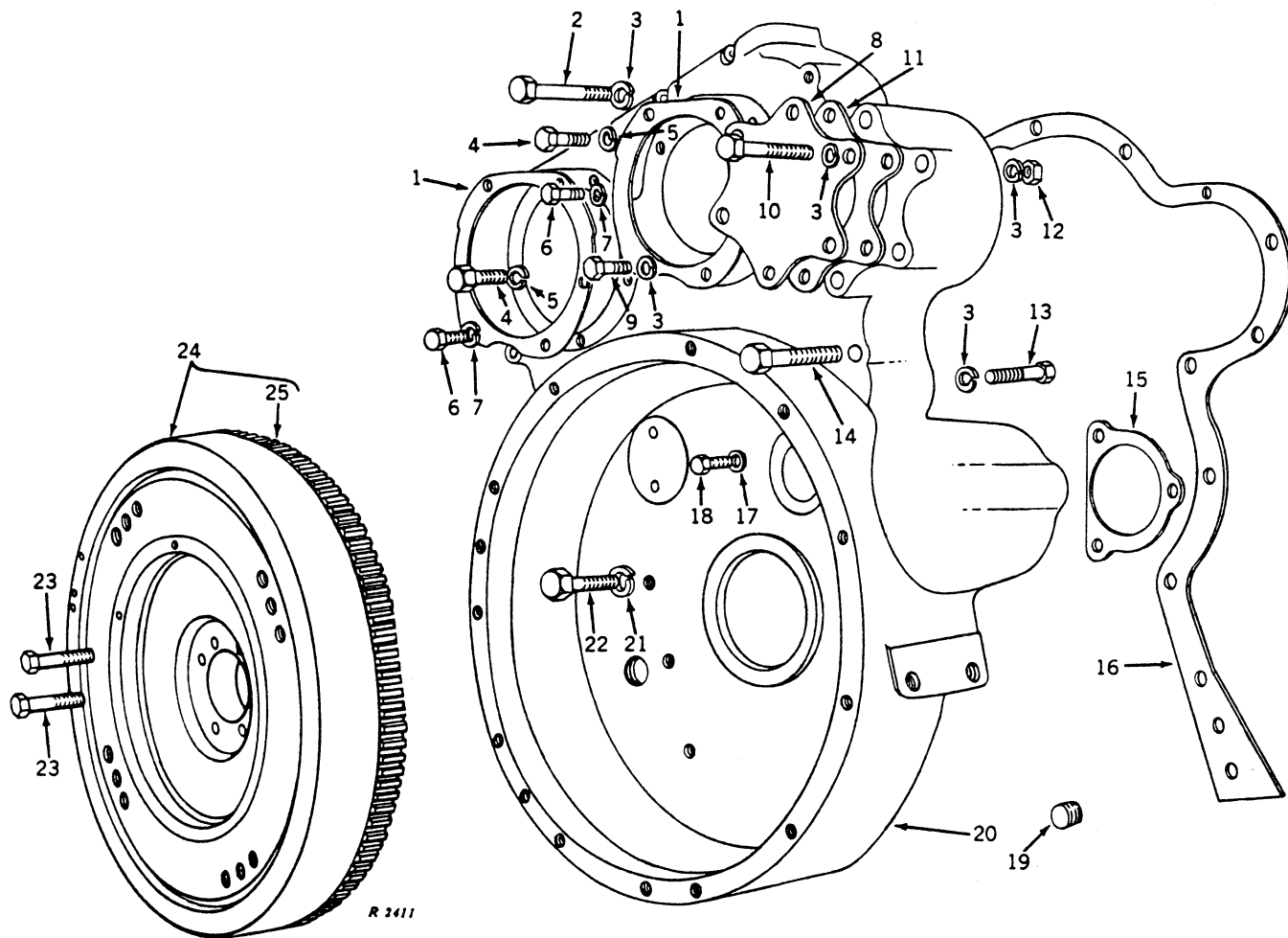
Key	Part No.	Engine Serial No.	Description
1	5150095	(-)	Nut, connecting rod bolt (12 used)
2	.....	( - )	Pin, cotter, 3/32" x 3/4" (12 used)
3	5154332	(-)	Rod, connecting (includes keys 1, 2, 5, 6, 7, and 9) (6 used)
4	5192895	(-)	Set, *shell, connecting rod bearing (standard) (6 used)
	5192896	(-)	Set, *shell, connecting rod bearing, .002" undersize (as required)
	5192897	(-)	Set, *shell, connecting rod bearing, .010" undersize (as required)
	5192899	(-)	Set, *shell, connecting rod bearing, .020" undersize (as required)
	5192899	(-)	Set, *shell, connecting rod bearing, .030" undersize (as required)
5	5154360	(-)	Orifice, connecting rod oil (6 used) (not furnished)
6	5150094	(-)	Screw, cap, connecting rod (12 used)
7	5125248	(-)	Bushing, connecting rod small end (12 used)
8	5196366	(-)	Set, ring (standard) (rings for one piston) (as required)
	5196363	(-)	Set, ring, .010" oversize (rings for one piston) (as required)
	5196364	(-)	Set, ring, .020" oversize (rings for one piston) (as required)
	5196365	(-)	Set, ring, .030" oversize (rings for one piston) (as required)
9	5150140	(-)	Nozzle, connecting rod oil spray (6 used)
10	5188405	(-)	Retainer, piston pin (12 used)
11	5155839	(-)	Bushing, piston pin (12 used)
12	5195201	(-)	Piston (standard) (includes keys 10 and 11) (6 used)
	5196534	(-)	Piston, .010" oversize (as required)
	5195782	(-)	Piston, .020" oversize (as required)
	5195783	(-)	Piston, .030" oversize (as required)
13	5188406	(-)	Pin, piston (standard) (6 used)
	5194543	(-)	Pin, piston, .010" oversize (as required)
14	5113953	(-)	Liner, cylinder (standard) (6 used)
	5193732	(-)	Liner, cylinder, .005" oversize on outside diameter (as required)
	5193733	(-)	Liner, cylinder, .010" oversize on outside diameter (as required)
	5193734	(-)	Liner, cylinder, .020" oversize on outside diameter (as required)
	5193735	(-)	Liner, cylinder, .030" oversize on outside diameter (as required)
15	5184484	(-)	Insert, cylinder liner, standard thickness (6 used)
	5194073	(-)	Insert, cylinder liner, .004" undersize (as required)
	5194074	(-)	Insert, cylinder liner, .008" undersize (as required)

*Consists of one upper and one lower shell.

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

5196571	(-)	Cylinder kit (includes keys 8, 12, 13 and 14 for one cylinder, standard size parts (as required))
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FLYWHEEL AND FLYWHEEL HOUSING

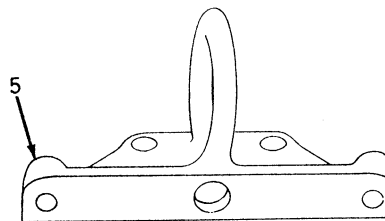
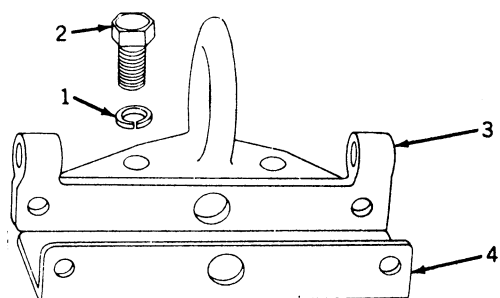


FLYWHEEL AND FLYWHEEL HOUSING -- Continued

Key	Part No.	Engine Serial No.	Description
1	5117061	(-)	Gasket, flywheel housing large hole (2 used)
2	186309	(-)	Screw, cap, 3/8"-24 x 3-1/4" (3 used)
	186310	(-)	Screw, cap, 3/8"-24 x 3-1/2" (2 used)
3	.....	( - )	Washer, lock, 3/8" (16 used)
4	179882	(-)	Screw, cap, 1/2"-13 x 1-1/8" (8 used)
5	.....	( - )	Washer, lock, 1/2" (8 used)
6	179857	(-)	Screw, cap, 7/16"-14 x 7/8" (2 used)
7	.....	( - )	Washer, lock, 7/16" (2 used)
8	5154669	(-)	Cover, flywheel housing small hole
9	179838	(-)	Screw, cap, 3/8"-16 x 7/8" (2 used)
10	186317	(-)	Screw, cap, 3/8"-24 x 5" (4 used)
11	5113061	(-)	Gasket, flywheel housing small hole
12	117049	(-)	Nut, 3/8"-24 hex. (6 used)
13	179839	(-)	Screw, cap, 3/8"-16 x 1" (2 used)
14	186314	(-)	Screw, cap, 3/8"-24 x 4-1/4" (3 used)
15	R 30905 R*	(-)	Gasket, cranking motor
16	5150054	(-)	Gasket, flywheel housing
17	103341	(-)	Washer, 3/8" flat (6 used)
18	9409028	(-)	Screw, cap, 3/8"-16 x 1", lock (6 used)
19	444795	(-)	Plug, 3/4" pipe
	5111798	(-)	Plug, 1" pipe
20	5170611	(-)	Housing, flywheel, with plugs
21	.....	( - )	Washer, lock, 1/2" (6 used)
22	190770	(-)	Screw, cap, 1/2"-13 x 3-3/4" (6 used)
23	9409532	(-)	Screw, cap, lock, 2" long (6 used)
24	5181673	(-)	Flywheel, with ring gear
25	5188030	(-)	Gear, flywheel ring
Parts listed below are not illustrated.			
	5170961	(-)	Cover, flywheel housing inspection hole
	179838	(-)	Screw, cap, 3/8"-16 x 7/8" (4 used)
	.....	( - )	Washer, lock, 3/8" (4 used)
	5170895	(-)	Gasket, flywheel housing inspection hole cover

*Furnished by John Deere Waterloo Tractor Works.

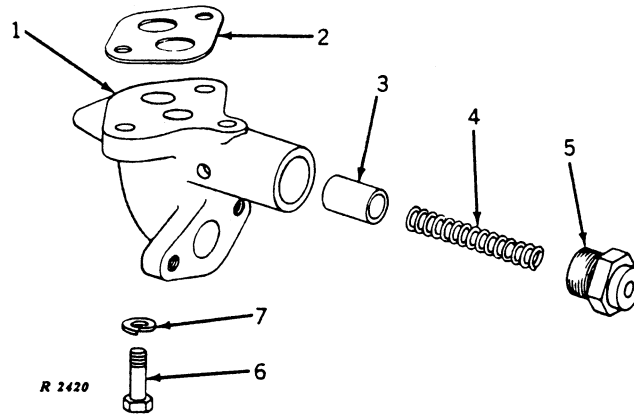
ENGINE LIFTER BRACKET



R 2417

Key	Part No.	Engine Serial No.	Description
1	.....	( - )	Washer, lock, 7/16" (8 used)
2	179862	(-)	Screw, cap, 7/16"-14 x 1-1/2" (8 used)
3	5150051	(-)	Bracket, engine lifter, rear
4	5150052	(-)	Gasket, engine lifter bracket (2 used)
5	5150050	(-)	Bracket, engine lifter, front

OIL PRESSURE REGULATOR

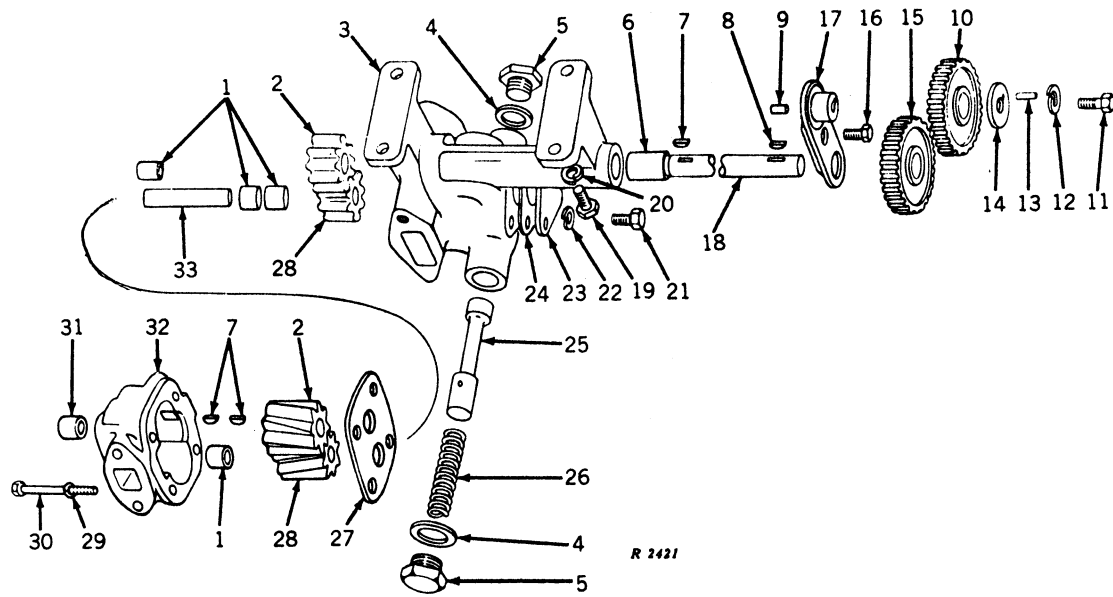


Key	Part No.	Engine Serial No.	Description
1	5159382	(-)	Body, oil pressure regulator
2	5154199	(-)	Gasket, oil pressure regulator body
3	5120082	(-)	Valve, oil pressure regulator
4	5156815	(-)	Spring, oil pressure regulator
5	5156816	(-)	Plug, oil pressure regulator
6	179819	(-)	Screw, cap, 5/16" -18 x 1-1/8" (2 used)
7	.....	( - )	Washer, lock, 5/16" (2 used)

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

5159384 (-) Regulator, complete, oil pressure (includes keys 1, 3, 4, 5, 6, and 7)

OIL PUMP



OIL PUMP -- Continued

Key	Part No.	Engine Serial No.	Description
1	5153154	(-)	Bushing, oil pump driven gear (4 used)
2	5153260	(-)	Gear, oil pump drive (2 used)
3	5176121	(-)	Body, oil pump, pressure, with bushings and shaft
4	105456	(-)	Gasket, oil pump relief valve plug (7/8" copper) (2 used)
5	5152613	(-)	Plug, oil pump relief valve (2 used)
6	5153147	(-)	Bushing, oil pump body, pressure pump body (2 used)
7	103905	(-)	Key, 1/8" x 5/8" woodruff (3 used)
8	103905	(-)	Key, 1/8" x 5/8" woodruff
9	5176035	(-)	Dowel
10	5156683	(-)	Gear, oil pump idler, with bushing
	5156521	(-)	Bushing, oil pump idler gear
11	186625	(-)	Screw, cap, 5/16"-18 x 7/8"
12	5175944	(-)	Washer, small
13	443230	(-)	Pin, 1/8" x 3/8" groove
14	5169197	(-)	Washer, large
15	5156528	(-)	Gear, oil pump drive, on pump
16	9409079	(-)	Screw, cap, 3/8"-16 x 7/8"
17	5169195	(-)	Support, oil pump idler gear
18	5153258	(-)	Shaft, oil pump drive
19	186627	(-)	Screw, cap, 3/8"-24 x 1" (4 used)
20	.....	( - )	Washer, lock, 3/8" (4 used)
21	179816	(-)	Screw, cap, 5/16"-18 x 3/4" (2 used)
22	.....	( - )	Washer, lock, 5/16" (2 used)
23	5156955	(-)	Cover, oil pump pad
24	5151370	(-)	Gasket, oil pump pad cover
25	5153247	(-)	Valve, oil pump relief
26	5155765	(-)	Spring, oil pump relief valve
27	5153257	(-)	Spacer, oil pump body
28	5153617	(-)	Gear, oil pump drive, with bushings (2 used)
29	.....	( - )	Washer, lock, 5/16" (4 used)
30	179830	(-)	Screw, cap, 5/16" -18 x 3", scavenging pump body to pressure pump (4 used)
31	5153154	(-)	Bushing, oil pump body, scavenging pump body
32	5153122	(-)	Body, oil pump, scavenging, with bushings
33	5153146	(-)	Shaft, oil pump driven gear

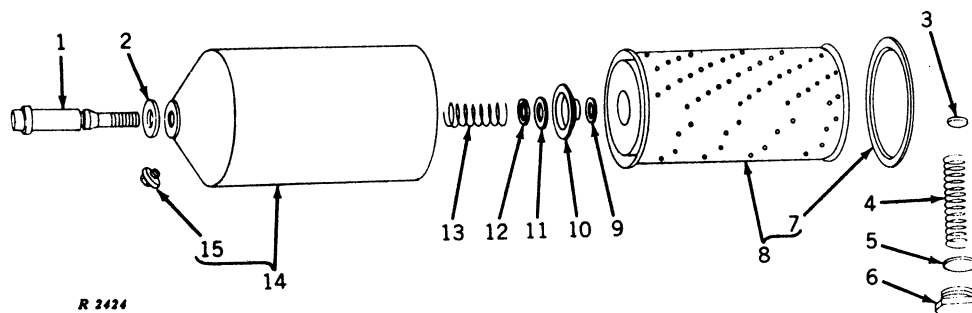
Parts listed below are not illustrated.

5192108	(-)	Gasket kit, oil pump overhaul (includes oil pan gasket, oil pump relief valve plug copper gasket, oil pump inlet pipe gasket, oil pump outlet pipe gasket, oil pressure regulator gasket, and oil pan drive plug gasket) (as required)
5176119	(-)	Shim, oil pump, .005", pump to bearing cap (as required)

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

5175988	(-)	Pump, oil (includes keys 1 through 33, except keys 19 and 20, but does not include drive gear and key)
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FULL FLOW OIL FILTER PARTS



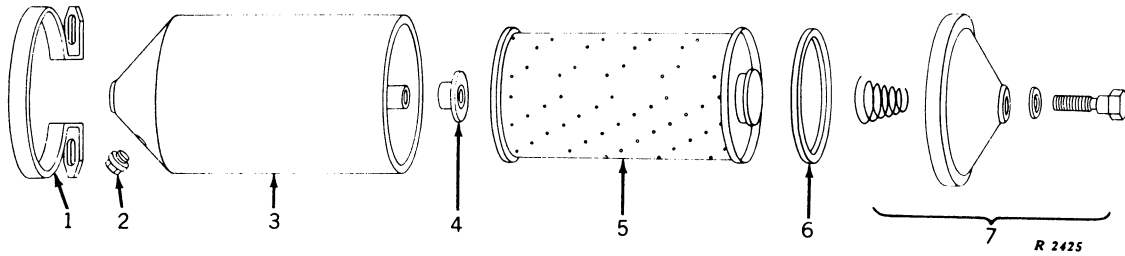
Key	Part No.	Engine Serial No.	Description
1	5120740	(-)	Stud, oil filter outer
2	5574130	(-)	Gasket, oil filter cover stud
3	5575088	(-)	Valve, oil filter pressure regulator
4	5575087	(-)	Spring, oil filter pressure regulator valve
5	5575086	(-)	Gasket, oil filter pressure regulator valve
6	5126686	(-)	Plug, oil filter pressure regulator valve
7	5571024	(-)	Gasket, oil filter cover
8	AR 29554 R*	(-)	Element, oil filter, with gaskets
9	5120602	(-)	Ring, snap
10	5187309	(-)	Retainer, oil filter spring
11	5154538	(-)	Washer, retainer spring
12	5187310	(-)	Gasket, retainer
13	5187308	(-)	Spring, oil filter
14	5574008	(-)	Shell, oil filter, with plug
15	112578	(-)	Plug, 1/4"-18 pipe, in shell

Parts listed below are not illustrated.

5573162	(-)	Decal (full flow)
103878	(-)	Plug, 1/4", in adapter

*Order from John Deere Waterloo Tractor Works.

BY-PASS OIL FILTER PARTS



Key	Part No.	Engine Serial No.	Description
1	5573419	(-)	Bracket, oil filter mounting (2 used)
	132430	(-)	Screw, 3/8" -16 x 2-1/2" fil. hd. (2 used)
	.....	( - )	Washer, lock, 3/8" (2 used)
	120374	(-)	Nut, 3/8"-16 square (2 used)
2	112578	(-)	Plug, 1/4"-18 pipe (in shell)
3	5572409	(-)	Shell assembly, oil filter, with plug
4	R 30299 R*	(-)	Spacer, oil filter element
5	AR 29589 R*	(-)	Element, oil filter, with cover gasket
6	5571024	(-)	Gasket, oil filter cover
7	AR 29588 R*	(-)	Cover, oil filter

Part listed below is not illustrated.

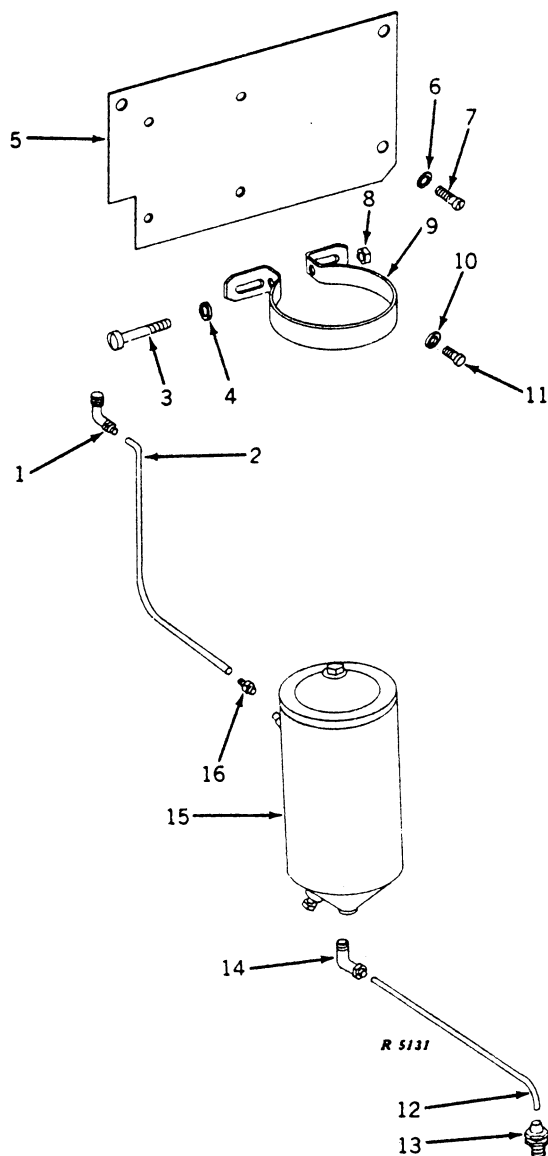
5573199 (-) Decal (by-pass)

Part listed below contains all of the parts in this grouping plus attaching hardware.

AR 29094 R* (-) Filter, oil (by-pass) (complete)

*Order from John Deere Waterloo Tractor Works.

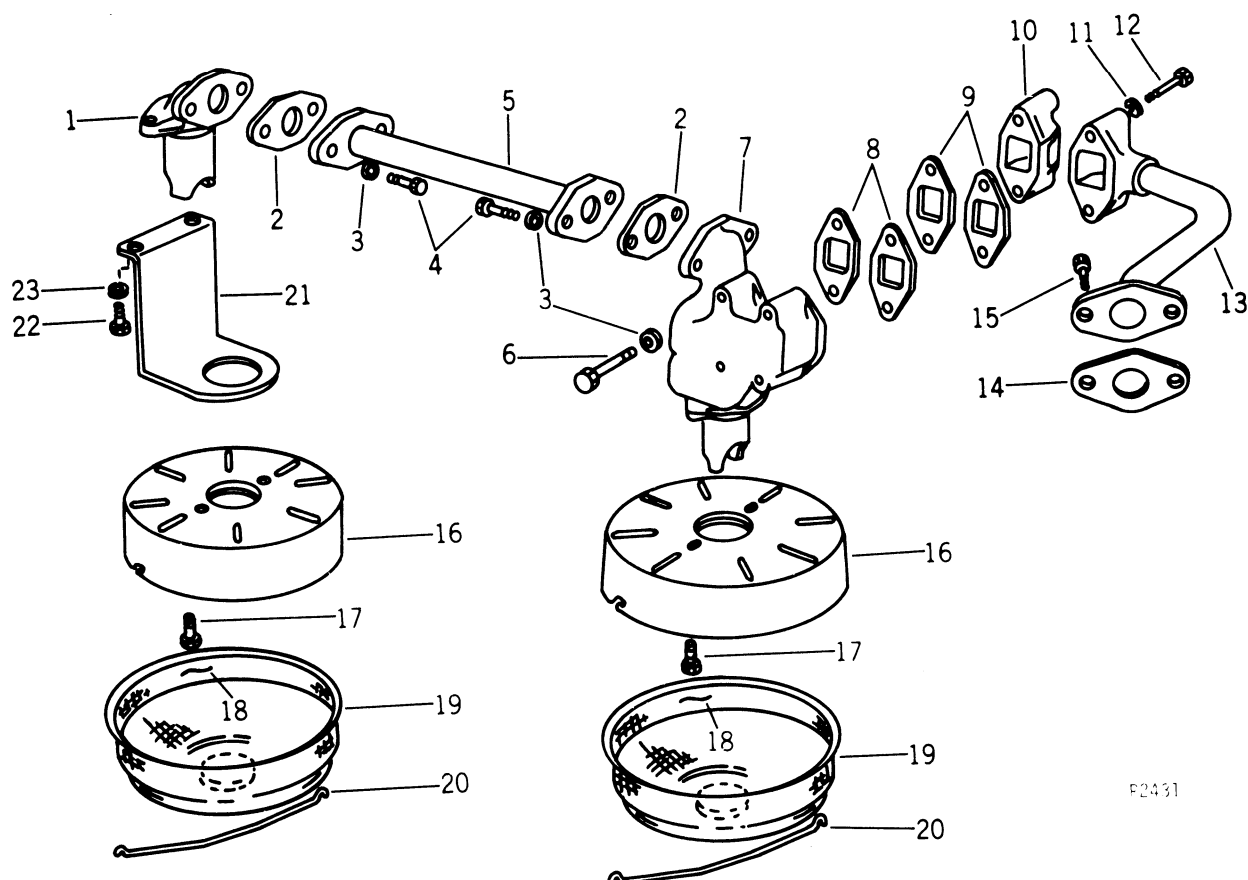
BY-PASS OIL FILTER AND SUPPORT



Key	Part No.	Tractor Serial No.	Description
1	AR 29078 R	(-)	Elbow, compression
2	R 29083 R	(-)	Pipe, oil filter inlet
3	.....	( - )	Screw, cap, 3/8" x 2-1/2" (2 used)
4	.....	( - )	Washer, lock, 3/8" (2 used)
5	R 29082 R	(-)	Support
6	.....	( - )	Washer, lock, 7/16" (3 used)
7	.....	( - )	Screw, cap, 7/16" x 1" (3 used)
8	.....	( - )	Nut, hex., 3/8" (2 used)
9	1504241*	(-)	Bracket (2 used)
10	.....	( - )	Washer, lock, 3/8" (4 used)
11	.....	( - )	Screw, cap, 3/8" x 1/2" (4 used)
12	R 29084 R	(-)	Pipe, oil, filter outlet
13	AR 29079 R	(-)	Connector, compression
14	AR 29080 R	(-)	Elbow, compression
15	AR 29094 R	(-)	Filter, oil, with bracket (see page 15-5 for parts)
16	AR 29081 R	(-)	Connector, compression

*Order from General Motors Detroit Diesel Distributor.

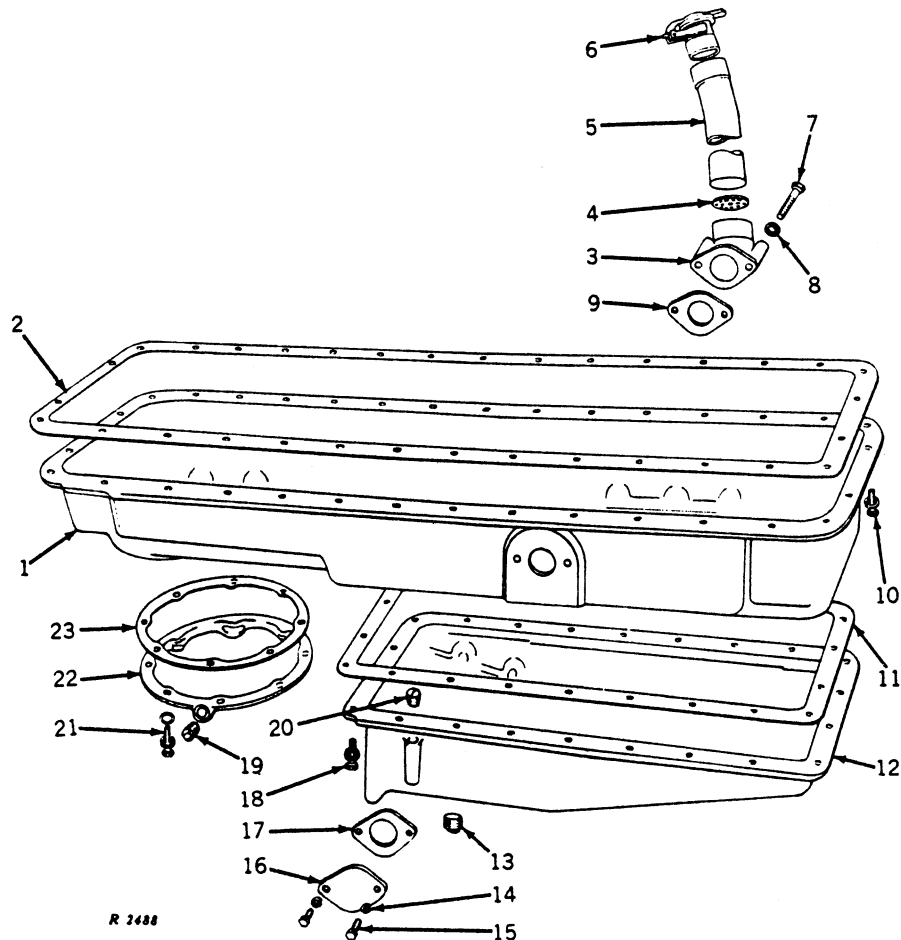
OIL DISTRIBUTION SYSTEM



F2431

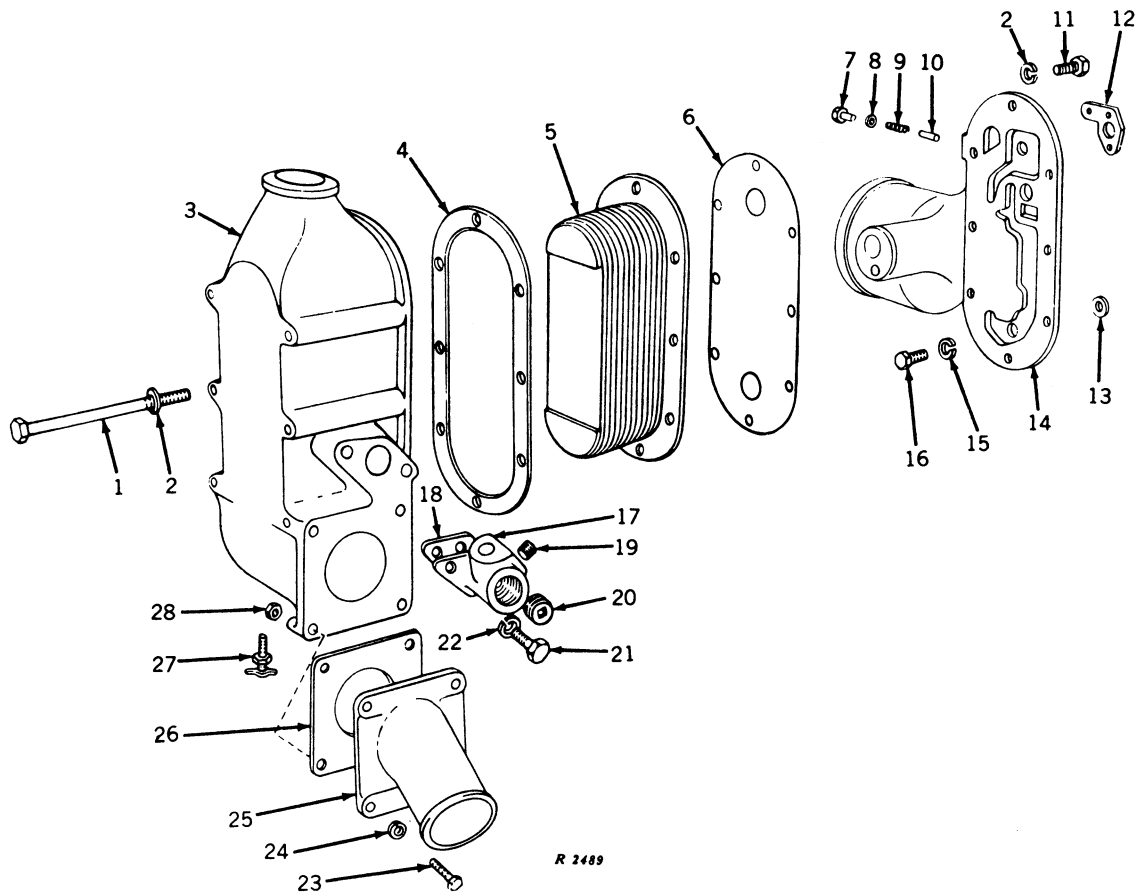
Key	Part No.	Engine Serial No.	Description
1	5153828	(-)	Pipe, scavenging inlet tube screen
2	5153902	(-)	Gasket, oil pump inlet pipe (2-1/4" bolt centers) (2 used)
3	.....	( - )	Washer, lock, 5/16" (8 used)
4	186625	(-)	Screw, cap, 5/16" - 18 x 7/8" (4 used)
5	5153815	(-)	Pipe, oil pump inlet, scavenging pump
6	179824	(-)	Screw, cap, 5/16" - 18 x 1-3/4" (4 used)
7	5153943	(-)	Pipe, oil pump inlet
8	5153313	(-)	Gasket, oil pump inlet pipe (2-1/8" bolt centers) (2 used)
9	5153313	(-)	Gasket, oil pump outlet pipe, at pump (2 used)
10	5156994	(-)	Pipe, oil pump outlet, scavenging pump
11	.....	( - )	Washer, lock, 5/16" (6 used)
12	179824	(-)	Screw, cap, 5/16" - 18 x 1-3/4" (4 used)
13	5159388	(-)	Pipe, oil pump outlet, pressure pump
14	5151370	(-)	Gasket, oil pump outlet pipe, at block
15	186625	(-)	Screw, cap, 5/16" - 18 x 7/8", to block (2 used)
16	5118302	(-)	Cover, oil pump inlet screen (2 used)
17	5155605	(-)	Screw, cap, 5/16" (4 used)
18	5151241	(-)	Lockwire (2 used)
	120393	(-)	Washer, 5/16" flat (4 used)
19	5153286	(-)	Screen, oil pump inlet (2 used)
20	5153284	(-)	Retainer, oil pump inlet pipe screen (2 used)
21	5153829	(-)	Bracket, oil pump inlet screen support
22	.....	( - )	Screw, cap, 3/8" - 24 x 3/4", to bearing cap (2 used)
23	.....	( - )	Washer, lock, 3/8" (2 used)

OIL PAN AND OIL FILLER



Key	Part No.	Engine Serial No.	Description
1	5110008	(-)	Pan, oil, upper
2	5195625	(-)	Gasket, set, oil pan to block
3	5168175	(-)	Adapter, oil filler
4	5150147	(-)	Strainer, oil filler tube
5	5181999	(-)	Tube, oil filler
6	1543853	(-)	Cap, oil filler, with gasket
	1543857	(-)	Gasket, oil filler cap
7	186283	(-)	Screw, cap, 3/8" -16 x 3-1/2" (2 used)
8	103321	(-)	Washer, lock, 3/8" (2 used)
9	5170049	(-)	Gasket, oil filler adapter
10	189697	(-)	Screw, cap, 5/16" - 18 x 1", with lock washer (34 used)
11	5153256	(-)	Gasket, lower oil pan
12	5153153	(-)	Pan, oil, lower
13	9409961	(-)	Plug, drain (3/4" pipe)
14	.....	( - )	Washer, lock, 3/8" (2 used)
15	179838	(-)	Screw, cap, 3/8" -16 x 7/8" (2 used)
16	5188498	(-)	Cover, oil pan side
17	5170049	(-)	Gasket, oil pan side cover
18	189697	(-)	Screw, cap, 5/16" -18 x 1", with lock washer (22 used)
19	103879	(-)	Plug, 3/8" square head pipe
20	444692	(-)	Plug, 1/4" Allen head pipe (2 used)
21	189697	(-)	Screw, cap, 5/16" -18 x 1", with lock washer (8 used)
22	5171165	(-)	Cover, oil pan bottom
23	5153788	(-)	Gasket, oil pan bottom cover

OIL COOLER AND WATER CONNECTIONS



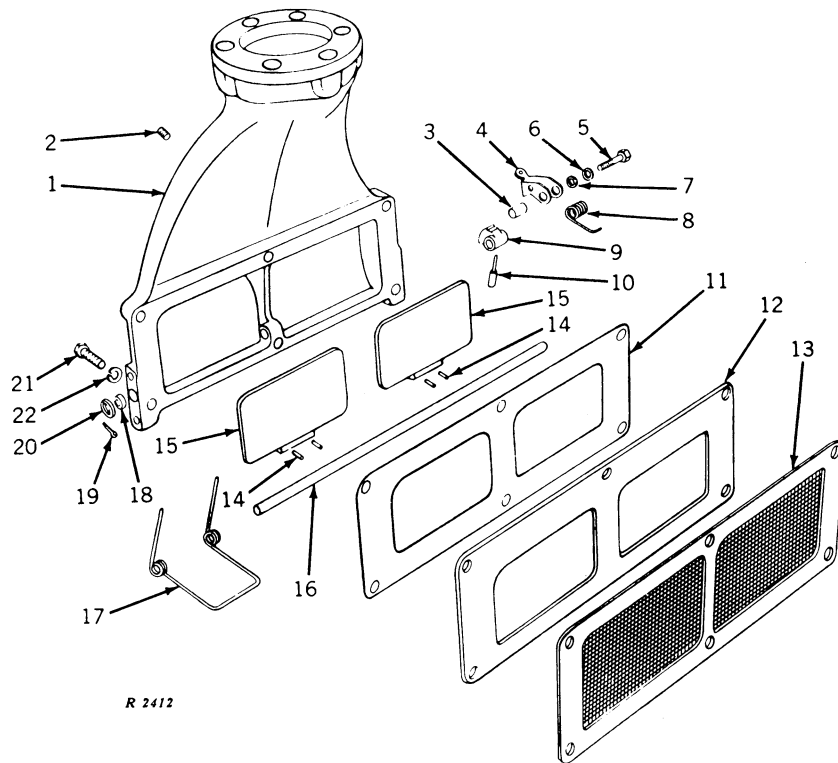
Key	Part No.	Engine Serial No.	Description
1	186650	(-)	Screw, cap, 5/16" - 18 x 4-3/4" (6 used)
2	.....	( - )	Washer, lock, 5/16" (8 used)
3	5124194	(-)	Housing, oil cooler
4	5150155	(-)	Gasket, oil cooler core inner
5	8514600	(-)	Core, oil cooler (12 plate)
6	5154215	(-)	Gasket, oil cooler core outer
7	5177772	(-)	Plug, oil cooler by-pass valve*
8	5177773	(-)	Gasket, oil cooler by-pass valve plug*
9	5177778	(-)	Spring, oil cooler by-pass valve*
10	5177777	(-)	Valve, oil cooler by-pass*
11	186624	(-)	Screw, cap, 5/16" - 18 x 1-1/4" (2 used)
12	5150154	(-)	Gasket, oil cooler adapter to block (2 used)
13	5152904	(-)	Gasket
14	5123636	(-)	Adapter, oil cooler, part of oil filter assembly
15	.....	( - )	Washer, lock, 3/8" (6 used)
16	186619	(-)	Screw, cap, 3/8" - 16 x 1-1/8" (3 used)
	186612	(-)	Screw, cap, 3/8" - 16 x 1-3/8" (3 used)
	179847	(-)	Screw, cap, 3/8" - 16 x 2
	5152148	(-)	Washer
17	5177241	(-)	Flange, oil cooler water hole
18	5153902	(-)	Gasket, oil cooler water hole flange
19	444867	(-)	Plug, 3/8" pipe (2 used)
20	5115214	(-)	Plug, 1/2" pipe
21	186629	(-)	Screw, cap, 5/16" - 18 x 1" (2 used)
22	.....	( - )	Washer, lock, 5/16" (2 used)
23	179839	(-)	Screw, cap, 3/8" - 16 x 1" (4 used)
24	.....	( - )	Washer, lock, 3/8" (2 used)
25	5121502	(-)	Connection, oil cooler water inlet
26	5121797	(-)	Gasket, oil cooler water inlet connection
27	103647	(-)	Draincock, 1/4"
28	.....	( - )	Nut, hex., 3/8" - 16 (2 used)

*Part of full flow filter assembly.

LUBRICATION SYSTEM

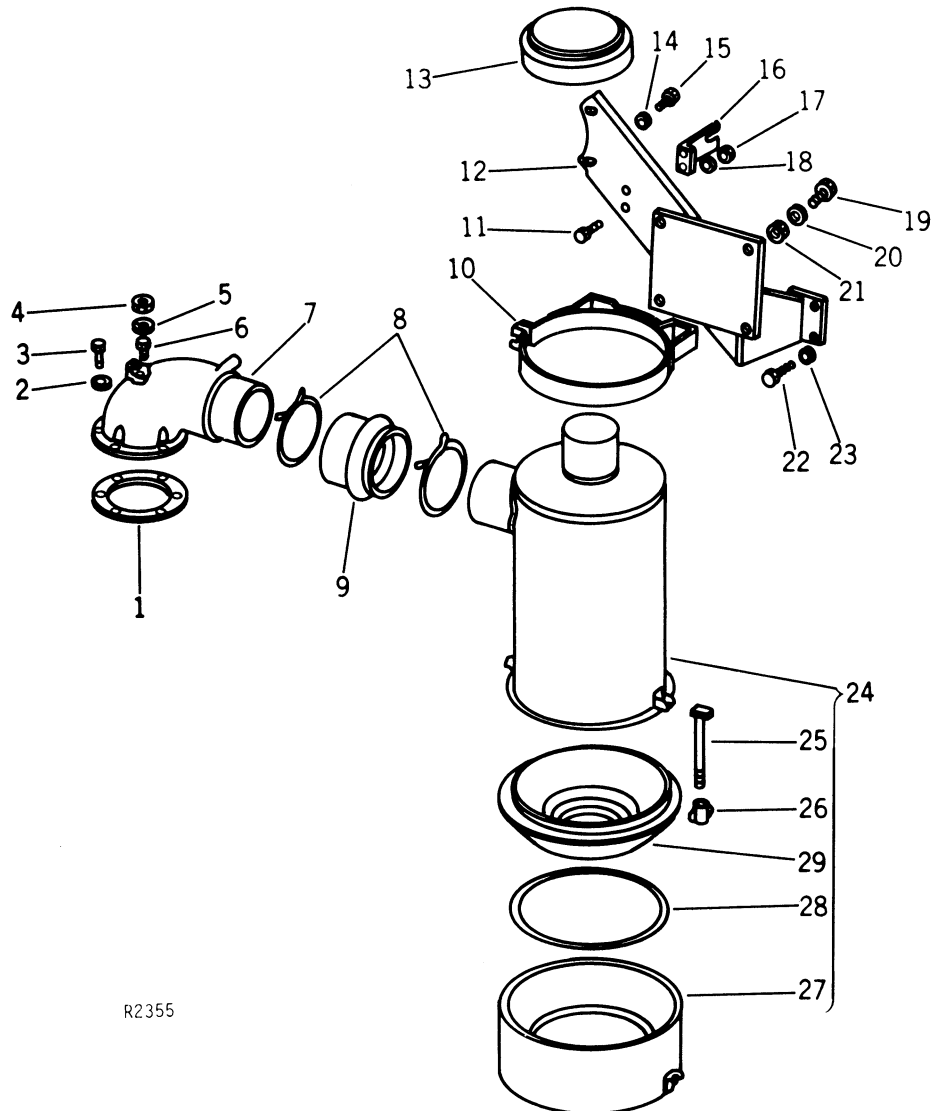
Key	Part No.	Tractor Serial No.	Description
Parts listed below are not illustrated.			
A	4772 R	(-)	Clamp, front lube tubes (4 used)
R	20922 R	(-)	Hose, rear lube tubes and front lube tube sleeves (9 used)
AA	4937 R	(-)	Connector, special union, rear centralized lube and tubes and front lube tubes (25 used)
AR	29563 R	(-)	Elbow, compression, gudgeon bushing
AR	29563 R	(-)	Elbow, compression, steering cylinder front pivot pin lube tube
R	29131 R	(-)	Clip, front lube tube
JD	7759	(-)	Fitting, grease (13 used)
.....		(-)	Screw, cap, 3/8" x 5/8", front lube tube clamps (4 used)

AIR INLET HOUSING



Key	Part No.	Engine Serial No.	Description
1	5187806	(-)	Housing, air inlet
	5113798	(-)	Housing, air inlet, complete (includes keys 1 through 10 and 14, 15, 16, 17, 18, 19, 20)
	5113797	(-)	Housing, air inlet, short (includes keys 1, 2, 14, 15, 16, 17, 18, 19 and 20)
2	103878	(-)	Plug, pipe, 1/4"
3	5113633	(-)	Spacer, shutdown valve latch
4	5112785	(-)	Latch, shutdown valve
5	121926	(-)	Screw, cap, 1/4" - 20 x 1-1/2"
6	.....	( - )	Washer, lock, 1/4"
7	120392	(-)	Washer, flat, 1/4"
8	5112787	(-)	Spring, shutdown latch tension
9	5122623	(-)	Cam, shutdown reset
10	5114974	(-)	Handle, shutdown valve reset lever
11	3290572	(-)	Gasket, air inlet housing striker plate
12	3290399	(-)	Plate, air inlet housing striker
13	5111881	(-)	Screen, blower inlet
14	111841	(-)	Pin, 1" taper (4 used)
15	5172031	(-)	Valve, air inlet housing shutdown (2 used)
16	5112971	(-)	Shaft, air inlet housing shutdown valve
17	5111904	(-)	Spring, shutdown valve tension
18	5182977	(-)	Ring, shutdown shaft seal (2 used)
19	111841	(-)	Pin, 1" taper
20	103341	(-)	Washer, flat, 3/8"
21	179844	(-)	Screw, cap, 3/8" - 16 x 1-5/8" (2 used)
	179847	(-)	Screw, cap, 3/8" - 16 x 2"
	179848	(-)	Screw, cap, 3/8" - 16 x 2-1/4" (2 used)
	186282	(-)	Screw, cap, 3/8" - 16 x 3-3/4"
22	.....	( - )	Washer, lock, 3/8" (6 used)

AIR CLEANER



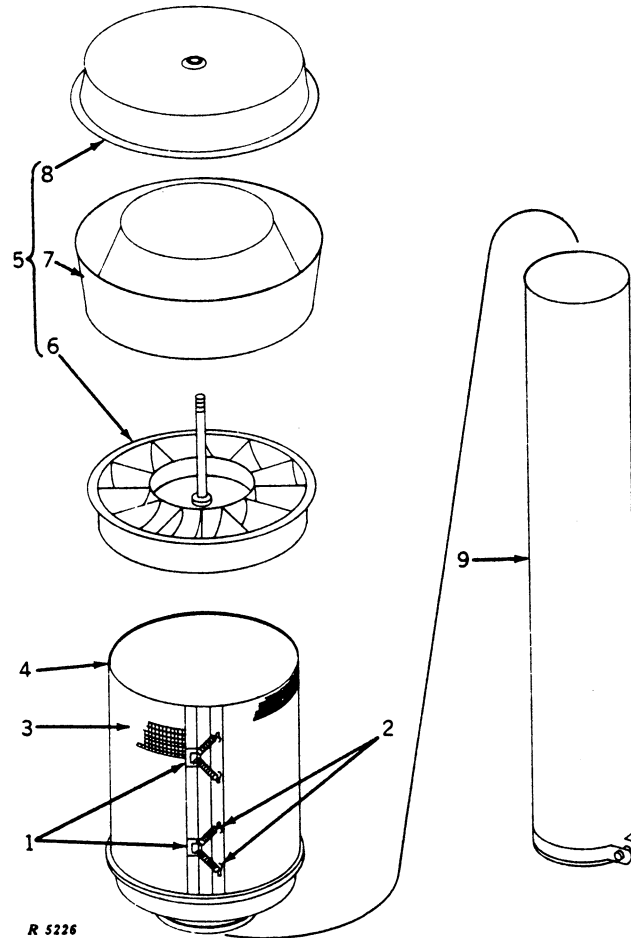
R2355

Key	Part No.	Tractor Serial No.	Description
1	R 29407 R	(-)	Gasket, inlet elbow to engine
2	.....	( - )	Washer, lock, 3/8" (6 used)
3	.....	( - )	Screw, cap, 3/8" x 1-1/4" (6 used)
4	.....	( - )	Nut, hex., 5/16"
5	.....	( - )	Washer, lock, 5/16"
6	B 1504 R	(-)	Stud
7	R 37168 R	(-)	Elbow, inlet
8	AR 29690 R	(-)	Clamp (2 used)
9	R 29405 R	(-)	Hose
10	AR 29254 R	(-)	Band, air cleaner
11	.....	( - )	Screw, cap, 5/16" x 5/8" (2 used)
12	AR 29911 R	(-)	Support, air cleaner
13	AR 29256 R	(-)	Cap, air stack
14	.....	( - )	Washer, lock, 1/2" (2 used)
15	.....	( - )	Screw, cap, 1/2" x 3/4", high-strength (2 used)
16	R 30366 R	(-)	Bracket, engine stop cable
17	.....	( - )	Nut, hex., 5/16" (2 used)
18	.....	( - )	Washer, lock, 5/16" (2 used)
19	.....	( - )	Screw, cap, 7/16" x 1-1/8" (4 used)

AIR CLEANER -- Continued

Key	Part No.	Tractor Serial No.	Description
20	.....	( - )	Washer, lock, 7/16" (4 used)
21	.....	( - )	Nut, 7/16" (4 used)
22	.....	( - )	Screw, cap, 3/8" x 1" (3 used)
23	.....	( - )	Washer, lock, 3/8" (3 used)
24	AR 29253 R	(-)	Cleaner, air, complete (do not stock)
25	R 29814 R	(-)	Bolt, oil cup (2 used)
26	R 29815 R	(-)	Nut, oil cup bolt (2 used)
27	AR 29394 R	(-)	Cup
28	R 29808 R	(-)	Gasket, oil cup
29	AR 29393 R	(-)	Tray, air cleaner

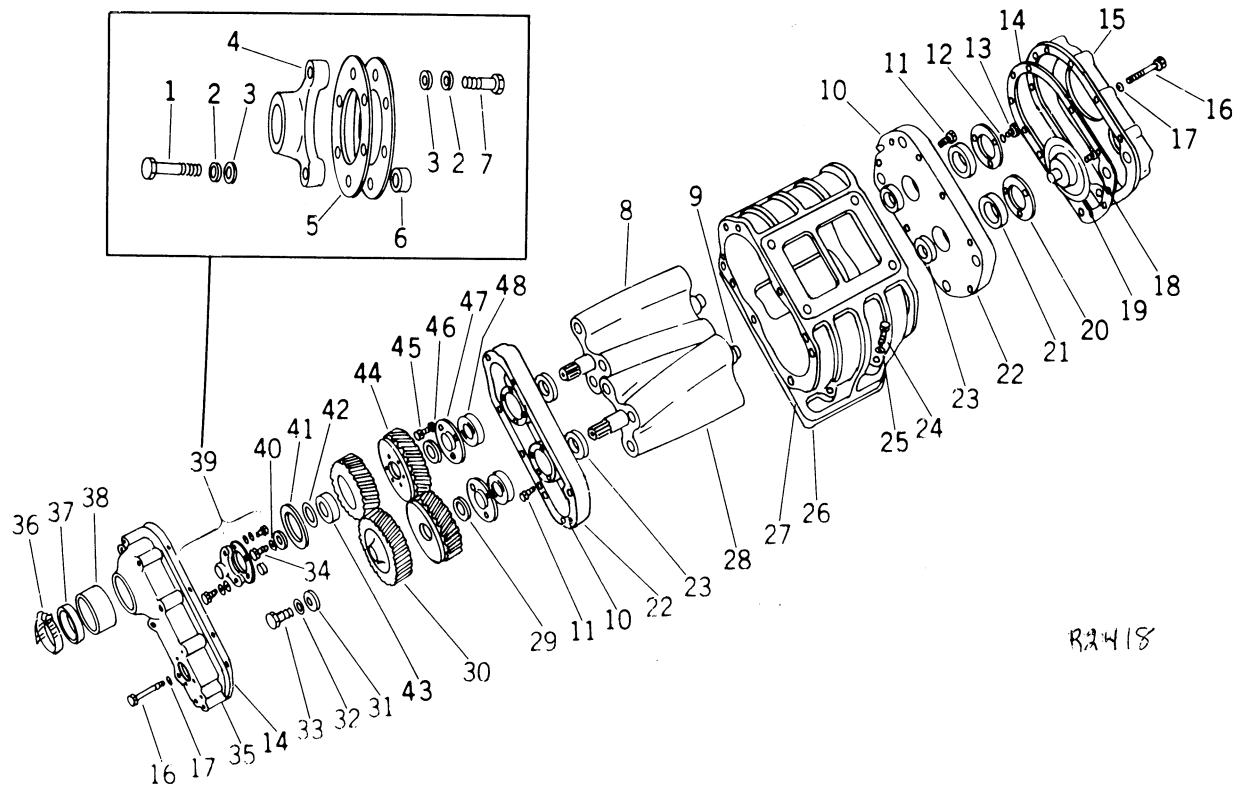
PRE-SCREENER AND PRE-CLEANER



R 5226

Key	Part No.	Tractor Serial No.	Description
1	R 21645 R	(-)	Clip (2 used)
2	R 21644 R	(-)	Spring (4 used)
3	AR 29653 R	(-)	Screen, pre-screener
4	AR 29652 R	(-)	PRE-SCREENER (ATTACHMENT) (CAN BE USED ONLY WITH AR29199R PRE-CLEANER WITH AIR STACK)
5	AR 29199 R	(-)	PRE-CLEANER, WITH AIR STACK (ATTACHMENT)
6	AR 29568 R	(-)	Base, pre-cleaner
7	R 30235 R	(-)	Bowl, pre-cleaner
8	AR 29855 R	(-)	Cover, pre-cleaner, with wing nut
9	AR 29318 R	(-)	Stack, air, with clamp, bolt and nut
1	AR 29854	(-)	Pre-cleaner complete

BLOWER



R2418

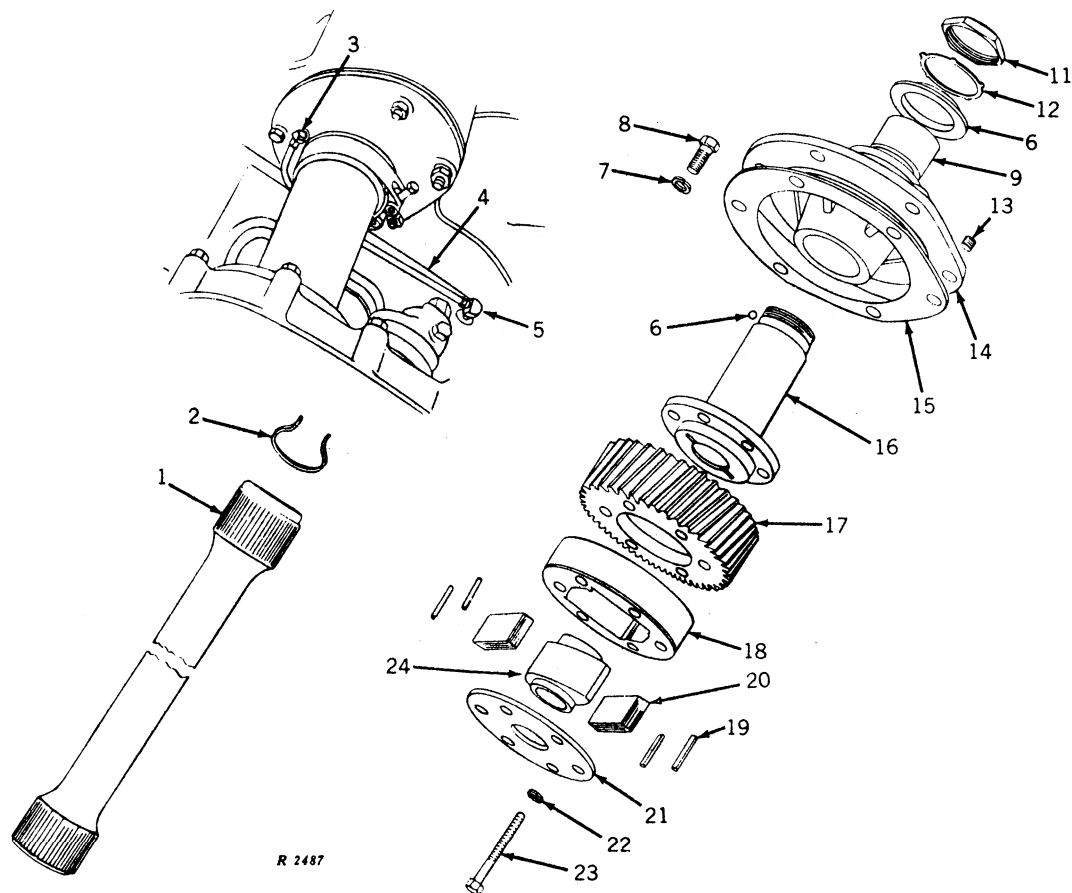
BLOWER -- Continued

Key	Part No.	Engine Serial No.	Description
1	5173363	(-)	Screw, cap, plate to gear (3 used)
2	.....	( - )	Washer, lock, 5/16" (6 used)
3	120393	(-)	Washer, flat, 5/16" (6 used)
4	5173366	(-)	Hub, blower rotor gear
5	5173365	(-)	Plate, blower rotor gear hub (2 used)
6	5173364	(-)	Spacer, blower rotor gear hub (3 used)
7	5173362	(-)	Screw, cap, plate to hub (3 used)
8	5114746	(-)	Rotor, blower, upper, with plugs
	5165289	(-)	Plug, rotor end (six per rotor) (as required)
	142522	(-)	Pin, groove, 1/4" x 1-3/4"
9	5179046	(-)	Shaft, blower rotor front
10	5114528	(-)	Pin, dowel (4 used)
11	117296	(-)	Screw, 5/16" -18 x 1-1/2" fill. hd. (4 used)
12	.....	( - )	Washer, lock, 1/4" (6 used)
13	443603	(-)	Screw, cap, 1/4" -20 x 3/4" (6 used)
14	5114726	(-)	Gasket, blower housing end plate cover (2 used)
15	5114442	(-)	Cover, blower housing end plate, front
16	179828	(-)	Screw, cap, 5/16" -18 x 2-1/2" (20 used)
17	.....	( - )	Washer, lock, 5/16" (20 used)
18	138234	(-)	Screw, cap, 5/16" -24 x 1-1/2" hex. socket hd.
19	5179605	(-)	Coupling, blower to water pump drive
20	5179017	(-)	Retainer, blower rotor front bearing (2 used)
21	7451054	(-)	Bearing, blower rotor front (2 used)
22	5193719	(-)	Plate, blower housing end (includes key 10) (2 used)
23	5150220	(-)	Seal, blower housing end plate (4 used)
	5192438	(-)	Seal, blower housing end plate (for use with 5192439 spacer) (as required)
	5192439	(-)	Spacer, blower rotor shaft oil seal (wear ring, use with 5192438 seal to compensate for rotor shaft wear) (as required)
24	179866	(-)	Screw, cap, 7/16" -14 x 2", blower mounting (8 used)
25	5150238	(-)	Washer, blower mounting bolt (8 used)
26	5115656	(-)	Gasket, blower to engine
27	5111715	(-)	Housing, blower
28	5114749	(-)	Rotor, blower, lower, with plugs
29	5150372	(-)	Shim, blower rotor timing gear, .002" (as required)
	5153938	(-)	Shim, blower rotor timing gear, .003" (as required)
	5150855	(-)	Shim, blower rotor timing gear, .005" (as required)
	5150856	(-)	Shim, blower rotor timing gear, .010" (as required)
30	5194805	(-)	Set, gear, blower rotor reduction (2 gears)
31	5154401	(-)	Disk, blower rotor fuel pump coupling
32	.....	( - )	Washer, lock, 1/2"
33	182776	(-)	Screw, cap, 1/2" -20 x 1-1/4", driven gear retaining
34	186645	(-)	Screw, cap, 7/16" -20 x 1-1/4", driven gear retaining
35	5115164	(-)	Cover, blower housing end plate (rear)
36	5173695	(-)	Clamp, blower drive cover seal (2 used)
37	5172865	(-)	Seal, blower drive cover (hose) (2 used)
38	5112904	(-)	Cover, blower drive
39	5192751	(-)	Kit, hub, blower rotor gear (includes keys 1, 2, 3, 4, 5, 6, and 7 in quantities shown) (as required)
40	.....	( - )	Washer, lock, 7/16"
41	5189966	(-)	Retainer, rotor gear bearing (outer race)
42	5189967	(-)	Retainer, rotor gear bearing (inner race)
43	905304	(-)	Bearing, blower rotor gear
44	5192234	(-)	Set, gear, blower rotor timing (2 gears)
45	443603	(-)	Screw, cap, 1/4" -20 x 3/4" (6 used)
46	.....	( - )	Washer, lock, 1/4" (6 used)
47	5179017	(-)	Retainer, blower rotor rear bearing (2 used)
48	954418	(-)	Bearing, blower rotor rear (2 used)

Parts listed below are an assembly of some of the parts in this grouping.

5114475	(-)	Blower, complete
5192754	(-)	Kit, blower (includes necessary gaskets to install blower, governor, fuel pump and water pump on engine) (as required)
5192796	(-)	Kit, blower, repair (includes keys 14, 21, 23, 29 and 48 and blower rotor shaft oil seal spacer in quantities required to overhaul one blower) (as required)

BLOWER DRIVE AND BLOWER DRIVE SHAFT

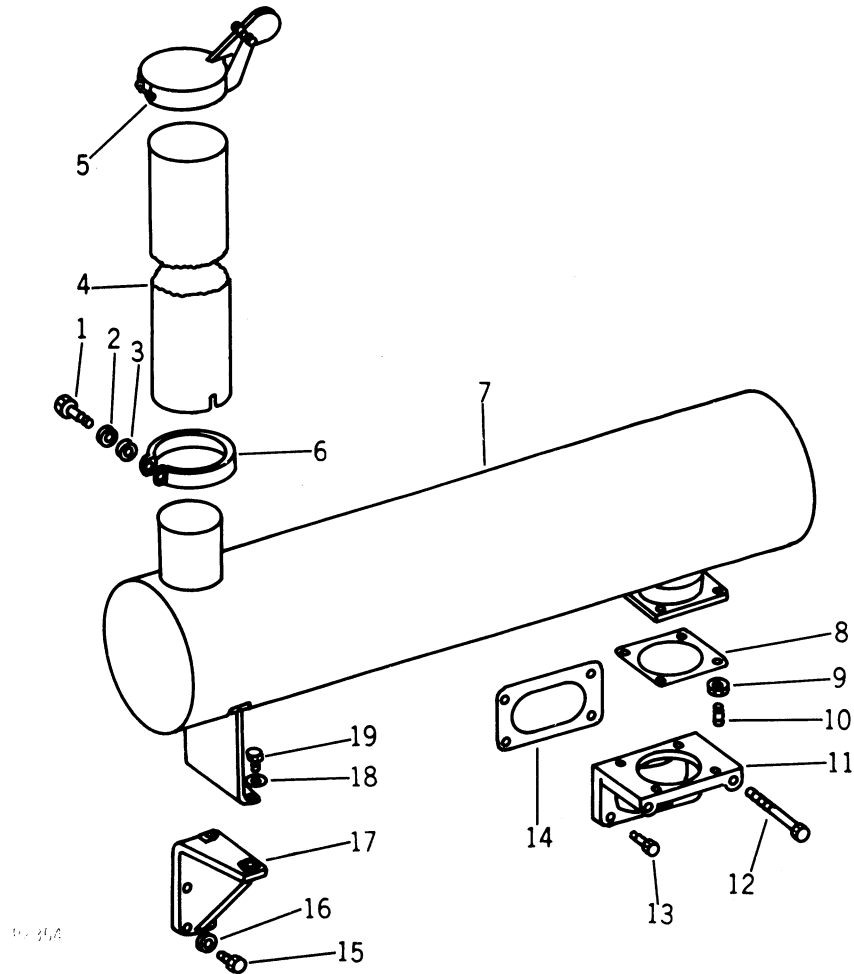


Key	Part No.	Engine Serial No.	Description
1	5189970	(-)	Shaft, blower drive
2	5167727	(-)	Ring, blower drive shaft retaining
3	137421	(-)	Elbow, 1/4", inv. fl. tube 90°, to support
4	5150433	(-)	Pipe, blower drive bearing oil
5	143342	(-)	Elbow, 1/4", inv. fl. tube 90°, 1/4" pipe tread, to block
6	169067	(-)	Ball, 7/32" dia., steel
7	.....	( - )	Washer, lock, 3/8" (2 used)
8	181361	(-)	Washer, lock, 3/8" -24 x 7/8" (2 used)
9	5150285	(-)	Bearing, blower drive gear hub support
10	5158901	(-)	Washer, blower drive gear hub thrust
11	5152804	(-)	Nut, blower drive gear hub
12	5150281	(-)	Washer, lock, blower drive gear hub
13	444687	(-)	Plug, pipe, 1/8"
14	5172870	(-)	Support, blower drive gear hub
15	5150286	(-)	Gasket, blower drive gear hub support
16	5150279	(-)	Hub, blower drive gear
17	5173320	(-)	Gear, blower drive
18	5150345	(-)	Support, blower drive coupling
19	5150346	(-)	Seat, blower drive coupling spring (4 used)
20	5196314	(-)	Spring pack, blower drive coupling
21	5150349	(-)	Retainer, blower drive coupling
22	.....	( - )	Washer, lock, 5/16" (6 used)
23	5150350	(-)	Screw, cap, drive coupling (6 used)
24	5150348	(-)	Cam, blower drive coupling

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

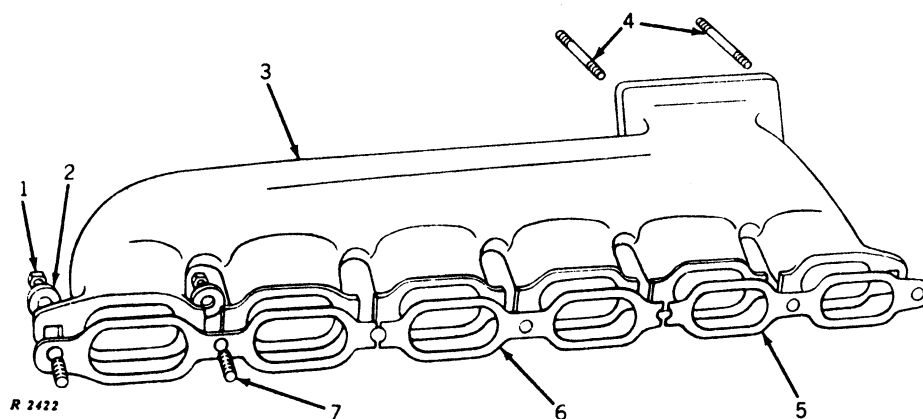
5150344 (-) Coupling, blower drive (includes keys 18, 19, 20 and 24)

MUFFLER AND EXHAUST PIPE



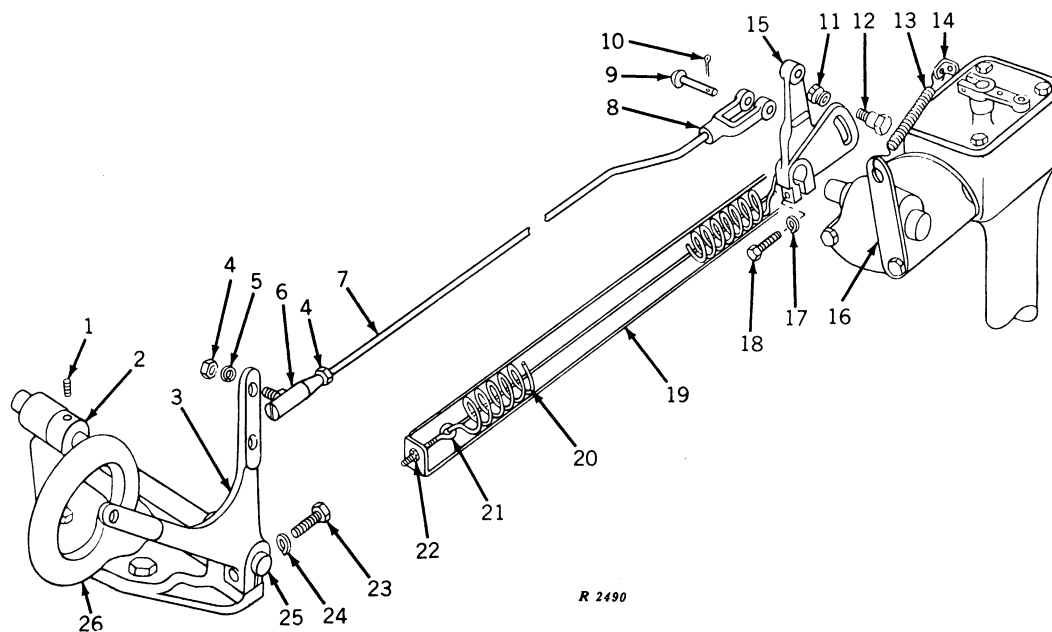
Key	Part No.	Tractor Serial No.	Description
1	.....	( - )	Screw, 1/2" x 2-3/4"
2	.....	( - )	Washer, lock, 1/2"
3	.....	( - )	Nut, hex., 1/2"
4	R 29331 R	(-)	Pipe, exhaust
5	AR 29177 R	(-)	Cover, exhaust muffler (sub. AR60857)
6	R 31130 R	(-)	Clamp
7	AR 29176 R	(-)	Muffler
8	R 29329 R	(-)	Gasket, elbow to muffler
9	A 4646 R	(-)	Nut, brass (4 used)
10	M 3636 T	(-)	Stud (4 used)
11	24H 1305	(-)	Washer, 25/64" x 7/8" x .060" (4 used)
12	R 29327 R	(-)	Elbow, muffler inlet
13	.....	( - )	Screw, cap, 1/2" x 5-3/4" (2 used)
14	R 29328 R	(-)	Screw, cap, 1/2" x 1-3/8" (2 used)
15	.....	( - )	Gasket, elbow to manifold
16	.....	( - )	Screw, cap, 3/8" x 1" (4 used)
17	R 29330 R	(-)	Washer, lock, 3/8" (4 used)
18	.....	( - )	Bracket
19	.....	( - )	Washer, lock, 1/2" (2 used)
			Screw, cap, 1/2" x 1" (2 used)

EXHAUST MANIFOLD



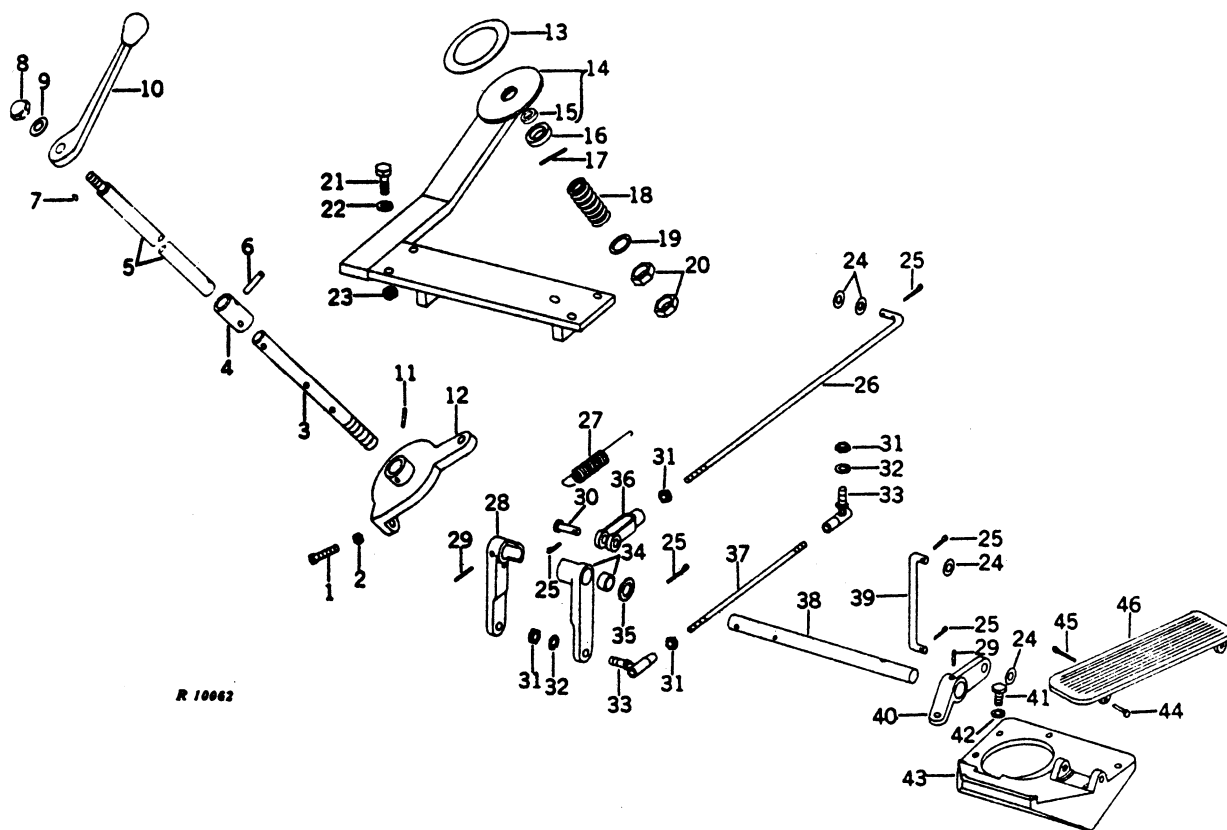
Key	Part No.	Engine Serial No.	Description
1	9174746	(-)	Nut, hex. lock, 7/16" -20 (7 used)
2	5188273	(-)	Washer (7 used)
3	5176729	(-)	Manifold, exhaust
4	2088510	(-)	Stud, exhaust manifold outlet (4 used)
5	5150195	(-)	Gasket, exhaust manifold (end) (2 used)
6	5150196	(-)	Gasket, exhaust manifold (intermediate)
7	5112899	(-)	Stud, exhaust manifold to head (7 used)

THROTTLE CONTROLS



Key	Part No.	Engine Serial No.	Description
1	139009	(-)	Screw, set, 1/4" -28 x 1/4"
2	5164320	(-)	Collar, throttle control cross shaft
3	5128193	(-)	Lever, throttle control cross shaft
4	121917	(-)	Nut, 5/16" -24 (2 used)
5	.....	( - )	Washer, lock, 5/16"
6	5118951	(-)	Joint, ball, 5/16"
7	5166962	(-)	Rod, throttle control, rear of engine to governor
8	116535	(-)	Clevis, 5/16" -24
9	103495	(-)	Pin, clevis, 5/16"
10	.....	( - )	Pin, cotter, 3/32" x 1/2"
11	5171429	(-)	Nut, throttle booster spring hanger
12	5171045	(-)	Screw, cap, throttle booster spring hanger
13	5126542	(-)	Spring, governor control retracting
14	5122570	(-)	Clip, retracting spring, on governor lever
15	5123881	(-)	Lever, governor control
16	5169235	(-)	Clip, retracting spring, on spring housing
17	.....	( - )	Washer, lock, 1/4"
18	186647	(-)	Screw, cap, 1/4" -20 x 1"
19	5172501	(-)	Bracket, throttle booster spring
20	5172499	(-)	Spring, throttle booster
21	5172502	(-)	Eye, throttle booster spring adjusting
22	.....	( - )	Nut, hex., 1/4" -20 (2 used)
23	443603	(-)	Screw, cap, 1/4" -20 x 3/4"
24	.....	( - )	Washer, lock, 1/4"
25	3290823	(-)	Shaft, throttle control cross
26	5150051	(-)	Bracket, engine lifter, rear

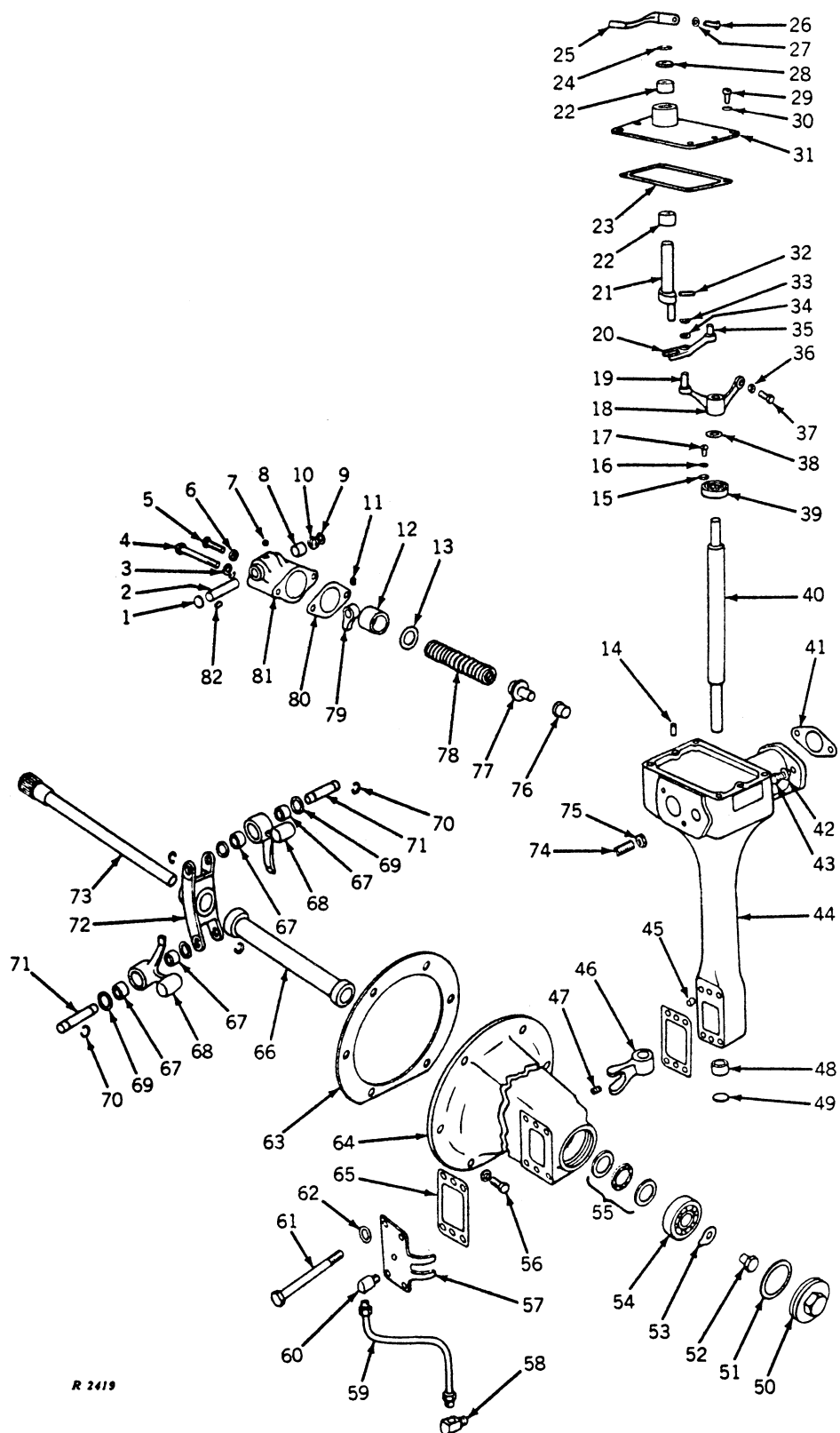
THROTTLE LINKAGE



THROTTLE LINKAGE -- Continued

Key	Part No.	Tractor Serial No.	Description
1	22H 797	(-)	Screw, special set
2	.....	( - )	Nut, jam, 3/8"
3	R 37011 R	(-)	Shaft, speed control, lower
4	R 37012 R	(-)	Coupler
5	R 37044 R	(-)	Shaft, speed control, upper
6	34H 78	(-)	Pin, roll (2 used)
7	26H 67	(-)	Key, Woodruff
8	14H 655	(-)	Nut, cap
9	.....	( - )	Washer, lock, 1/2"
10	R 29918 R	(-)	Lever, speed control
11	34H 194	(-)	Pin, roll, thrust plate
12	R 29920 R	(-)	Arm, speed control shaft
13	R 29921 R	(-)	Facing, speed control
14	AR 29908 R	(-)	Bracket, speed control, with bushings and plate
15	R 29372 R	(-)	Bushings (4 used)
16	R 29923 R	(-)	Spacer
17	34H 194	(-)	Pin, roll, shaft to spacer
18	B 2541 R	(-)	Spring, speed control shaft
19	B 2274 R	(-)	Washer
20	.....	( - )	Nut, jam, 5/8" (2 used)
21	.....	( - )	Screw, cap, 3/8" x 1-1/8" (4 used)
22	.....	( - )	Washer, lock, 3/8" (4 used)
23	.....	( - )	Nut, 3/8" (4 used)
24	24H 1302	(-)	Washer, 13/32" x 11/16" x .036" (4 used)
25	.....	( - )	Pin, cotter, 1/8" x 1" (5 used)
26	R 29832 R	(-)	Rod, throttle
27	F 2762 R	(-)	Spring
28	R 29829 R	(-)	Arm, throttle rod
29	34H 79	(-)	Pin, roll, throttle rod arm (2 used)
30	C 1067 R	(-)	Pin, headed
31	.....	( - )	Nut, jam, 3/8" (4 used)
32	.....	( - )	Washer, lock, 3/8" (2 used)
33	AR 29358 R	(-)	Joint, ball, speed control link (2 used)
34	AR 29491 R	(-)	Arm, speed control link, with bushing
35	24H 1653	(-)	Washer, 21/32" x 1" x .060"
36	L 324 T	(-)	Yoke, throttle rod (sub. M80373)
37	R 29833 R	(-)	Link, speed control
38	R 29924 R	(-)	Shaft, speed control cross
39	R 29831 R	(-)	Rod, accelerator
40	R 29830 R	(-)	Arm, accelerator
41	.....	( - )	Screw, cap, 3/8" x 3/4" (4 used)
42	.....	( - )	Washer, lock, 3/8" (4 used)
43	R 29925 R	(-)	Support, accelerator pedal
44	R 29340 R	(-)	Pin, headed, accelerator pedal
45	(-)	Pin, cotter, 3/32" x 1"
46	R 29926 R	(-)	Pedal, accelerator

VARIABLE SPEED GOVERNOR

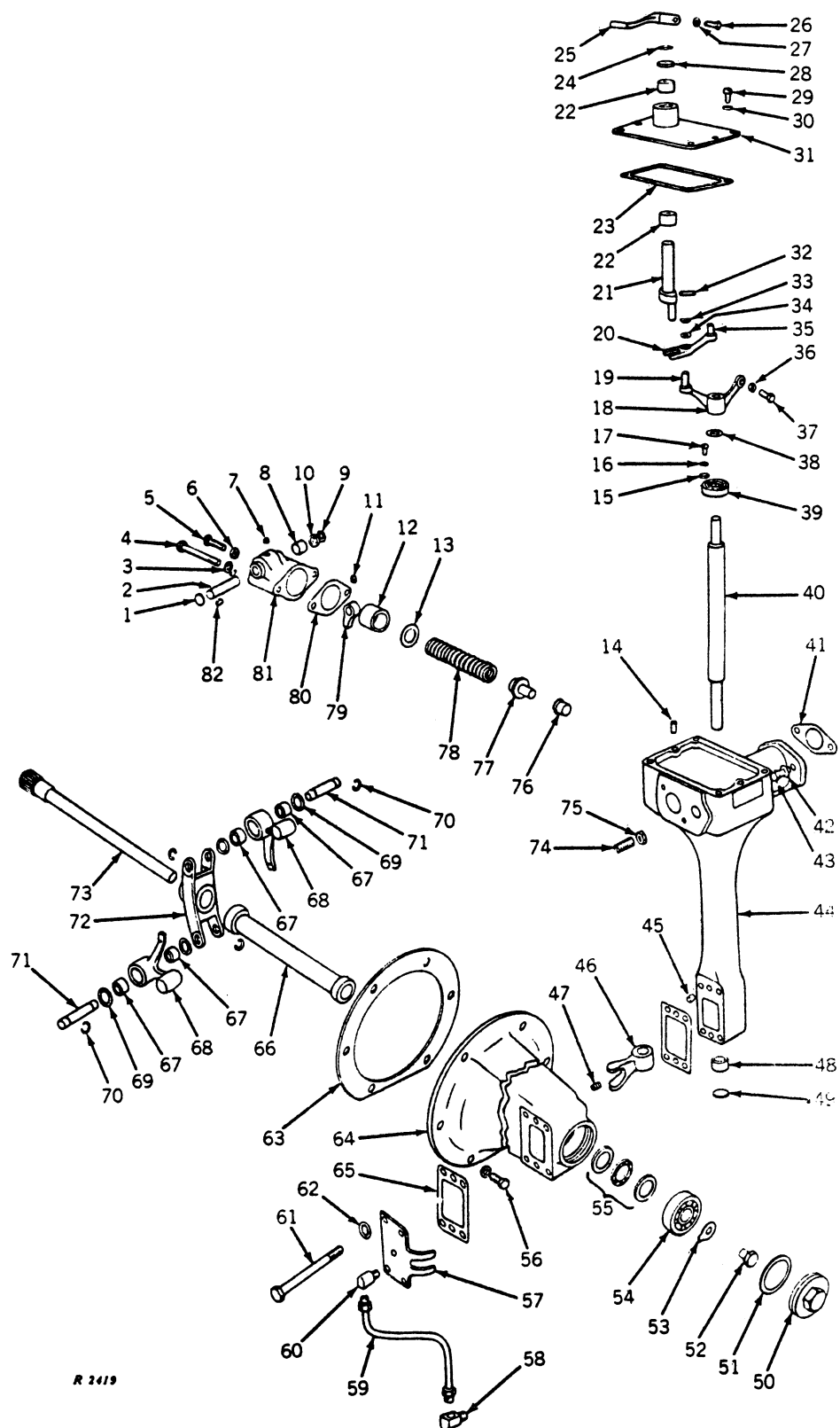


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VARIABLE SPEED GOVERNOR -- Continued
For Keys 62 through 82, See Page 20-15

Key	Part No.	Engine Serial No.	Description
1	142656	(-)	Plug, expansion, 3/4"
2	5173964	(-)	Shaft, governor variable speed spring lever
3	.....	( - )	Washer, lock, 5/16" (2 used)
4	445520	(-)	Screw, cap, 5/16" -18 x 3-1/2" (2 used)
5	5179613	(-)	Screw, cap, idler speed adjusting
6	123390	(-)	Nut, hex., 1/4" -20
7	444692	(-)	Plug, pipe, 1/4", clutch recess head
8	148402	(-)	Bearing, governor variable speed spring lever shaft (2 used)
9	5152932	(-)	Washer, packing retainer
10	5176557	(-)	Seal, governor variable speed spring lever shaft
11	223065	(-)	Screw, set, 5/16" -24 x 1/4"
12	5152941	(-)	Retainer, governor variable speed spring
13	5152962	(-)	Shim, governor variable speed spring, .010" (as required)
	5153904	(-)	Shim, governor variable speed spring, .078" (as required)
14	5150942	(-)	Pin, dowel (2 used)
15	120391	(-)	Washer, flat, no. 10
16	115545	(-)	Washer, lock, no. 10 internal tooth
17	113903	(-)	Screw, no. 10 -24 x 7/16" rd. hd. sl.
18	5154422	(-)	Lever, governor operating shaft
19	5150943	(-)	Pin, governor operating shaft lever
20	5150394	(-)	Lever, governor differential
21	5174425	(-)	Shaft, governor throttle, with pins
22	148402	(-)	Bearing, governor throttle shaft (2 used)
23	5150889	(-)	Gasket, governor cover
24	5174429	(-)	Ring, snap
25	5158432	(-)	Lever, governor cover throttle shaft (shutdown lever)
26	186647	(-)	Screw, cap, 1/4" -20 x 1"
27	.....	( - )	Washer, lock, 1/4"
28	5176557	(-)	Seal ring, governor throttle shaft (packing)
	5153060	(-)	Retainer, governor throttle shaft packing (washer) (2 used)
29	132264	(-)	Screw, 1/4" -20 x 3/4", fil. hd. (4 used)
30	.....	( - )	Washer, lock, 1/4" (4 used)
31	5174412	(-)	Cover, governor, less shaft and levers, with bearing
	5174402	(-)	Cover, governor, complete (includes keys 21, 22, 23, 24, 25, 26, 27, 28, 31, and 32)
32	5174428	(-)	Pin, governor throttle shaft fulcrum shaft lever
33	142583	(-)	Retainer, spring, 13/64"
34	5150941	(-)	Washer
35	5150894	(-)	Pin, governor differential lever
36	122161	(-)	Nut, hex., 1/4" -28
37	5150898	(-)	Screw, cap adjusting
38	5159080	(-)	Washer
39	457187	(-)	Bearing, governor operating shaft (upper)
40	5154435	(-)	Shaft, governor operating
	5158820	(-)	Shaft, governor operating (includes keys 46 and 47 and 5154438 shaft assy.)
	5154438	(-)	Shaft, governor operating (includes keys 18, 19, 36, 37, 38, 39, and 40)
41	5123812	(-)	Gasket, governor to cylinder head
42	.....	( - )	Washer, lock, 1/4" (2 used)
43	443603	(-)	Screw, cap, 1/4" -20 x 3/4", governor to head (2 used)
44	5158904	(-)	Housing, governor control (includes keys 14, 15, 16, 17, 20, 33, 34, 35, 44, 48, 49, and 5158820 shaft assy.)
	5183314	(-)	Housing
45	5150942	(-)	Pin, dowel (2 used)
46	5185605	(-)	Fork, governor operating shaft
47	139013	(-)	Screw, set, 1/4" -28 x 1/2"
48	148403	(-)	Bearing, governor operating shaft (lower)
49	142656	(-)	Plug, expansion, 3/4"
50	5183268	(-)	Cap, governor weight housing
51	5165221	(-)	Gasket, governor weight housing cap
52	5150884	(-)	Screw, bearing retainer
53	5150897	(-)	Washer, lock
54	954716	(-)	Bearing, governor weight shaft end
55	451905	(-)	Bearing, governor riser thrust
56	5118219	(-)	Screw, cap, with seal washer, governor to blower (6 used)
57	5176837	(-)	Cover, governor weight housing
58	143342	(-)	Elbow, 1/4", 90°, in block
59	5176834	(-)	Tube, governor bearing lubrication
60	5166265	(-)	Elbow, restricted, in weight housing cover
61	190910	(-)	Screw, cap, 1/4" -20 x 2-3/8" (4 used)

VARIABLE SPEED GOVERNOR -- Continued



R 2419

VARIABLE SPEED GOVERNOR -- Continued
For Keys 1 through 61, See Page 20-13

Key	Part No.	Engine Serial No.	Description
62	.....	( - )	Washer, lock, 1/4" (4 used)
63	5150246	(-)	Gasket, governor to blower
64	5183286	(-)	Housing, governor weight
	5111976	(-)	Housing and weight, governor (includes keys 50, 51, 52, 53, 54, 55, 64, and 66 and 5111978 carrier and weight assy.)
65	5150890	(-)	Gasket, governor weight housing cover
66	5154503	(-)	Riser, governor
67	447196	(-)	Bearing, governor weight (4 used)
68	5111979	(-)	Weight, governor (includes key 67) (2 used)
69	5151487	(-)	Washer (8 used)
70	5178581	(-)	Ring, retainer (4 used)
71	5185154	(-)	Shaft, governor weight (2 used)
72	5185606	(-)	Carrier, governor weight
	5111978	(-)	Carrier and weight, governor (includes key 71 and 5174453 shaft and carrier assy. and 5111979 weight assy., and keys 69 and 70)
73	5174453	(-)	Shaft and carrier assy., governor weight, with shaft and carrier
	5150925	(-)	Shaft, governor weight carrier
74	5177083	(-)	Screw, governor buffer
75	122236	(-)	Nut, hex., 3/8" -24
76	5152939	(-)	Guide, governor variable speed spring plunger
77	5152938	(-)	Plunger, governor variable speed spring
78	5111981	(-)	Spring, governor variable speed (two white stripes)
79	5179102	(-)	Lever, governor variable speed spring, with bearing and pin
80	5152944	(-)	Gasket, governor variable speed spring housing
81	5172557	(-)	Housing, governor variable speed spring
	5179124	(-)	Housing, governor variable speed spring (includes keys 1, 2, 5, 6, 7, 8, 9, 10, 11, 79, 81, and 82)
82	103904	(-)	Key, woodruff, 1/8" x 1/2"

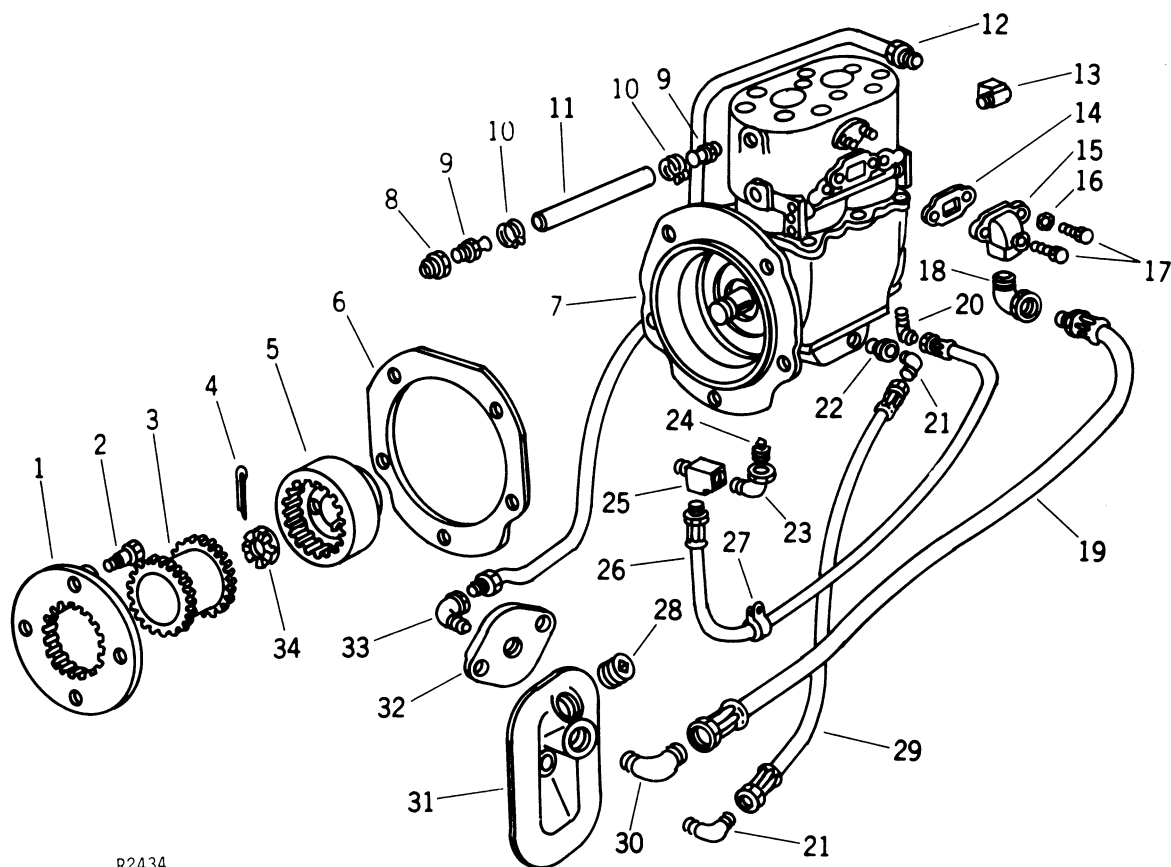
Part listed below is not illustrated.

5171784 (-) Stop, governor variable speed spring retainer, with step

Part listed below contains some of the parts in this grouping.

5111974 (-) Governor, complete

AIR COMPRESSOR AND DRIVE



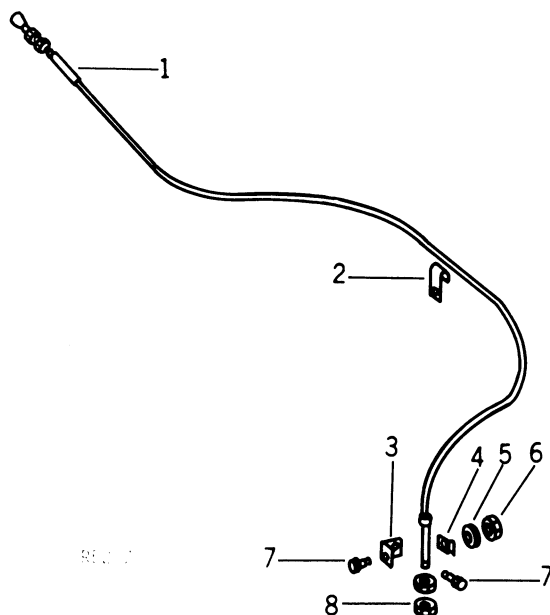
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AIR COMPRESSOR AND DRIVE -- Continued

Key	Part No.	Engine Serial No.	Description
1	2136944	(-)	Plate, air compressor drive
2	5119920	(-)	Screw, cap, drilled head (4 used)
3	2136946	(-)	Coupling, air compressor drive
4	103375	(-)	Pin, cotter, 3/32" x 1-1/8"
	5150568	(-)	Washer, copper, 7/16"
5	2136945	(-)	Hub, air compressor drive
6	5117061	(-)	Gasket
7	AR 29506 R*	(-)	Compressor, air (for parts see page 65-4)
	179862	(-)	Screw, cap, 7/16" -14 x 1-1/2"
	186725	(-)	Screw, cap, 1/2" -13 x 1-1/2" (4 used)
8	142269	(-)	Bushing, 1/2" x 3/8", reducing pipe, in water manifold
9	3133153	(-)	Connector, hose, 5/8" (2 used)
10	111607	(-)	Clamp, air compressor water hose, 1-1/32" I.D. (2 used)
11	5181993	(-)	Hose, air compressor to water outlet manifold
12	5189765	(-)	Tube, air compressor water inlet
13	137425	(-)	Elbow, 1/2", 90°
14	5110410	(-)	Gasket, air compressor inlet connection (furnished with air compressor)
15	5189769	(-)	Elbow, air compressor booster inlet, elbow
16	.....	( - )	Washer, lock, 5/16" (2 used)
17	179816	(-)	Screw, cap, 5/16" -18 x 3/4" (2 used)
18	141621	(-)	Elbow, 90° street, 3/4"
19	5177697	(-)	Hose, air compressor booster inlet
20	118753	(-)	Elbow, 1/4", 90°
21	118755	(-)	Elbow, 3/8", 90° (2 used)
22	116524	(-)	Bushing, reducing pipe, 1/2" x 1/4"
23	120401	(-)	Elbow, 90° street, 1/8"
24	113175	(-)	Plug, pipe, 1/8"
25	2094272	(-)	Tee, to block
26	2308332	(-)	Hose, air compressor oil supply, flexible
27	5153473	(-)	Clip, air compressor lube oil tube
28	9409961	(-)	Plug, pipe, 3/4"
29	5189177	(-)	Hose, air compressor oil drain
30	110289	(-)	Elbow, 3/4", fl. tube 90°
31	5180189	(-)	Cover, cylinder block hand hole (two holes tapped 3/4")
32	5115097	(-)	Cover, cylinder block water hole
33	111316	(-)	Elbow, 90° street, 3/8"
34	R 30160 R*	(-)	Nut, special slotted

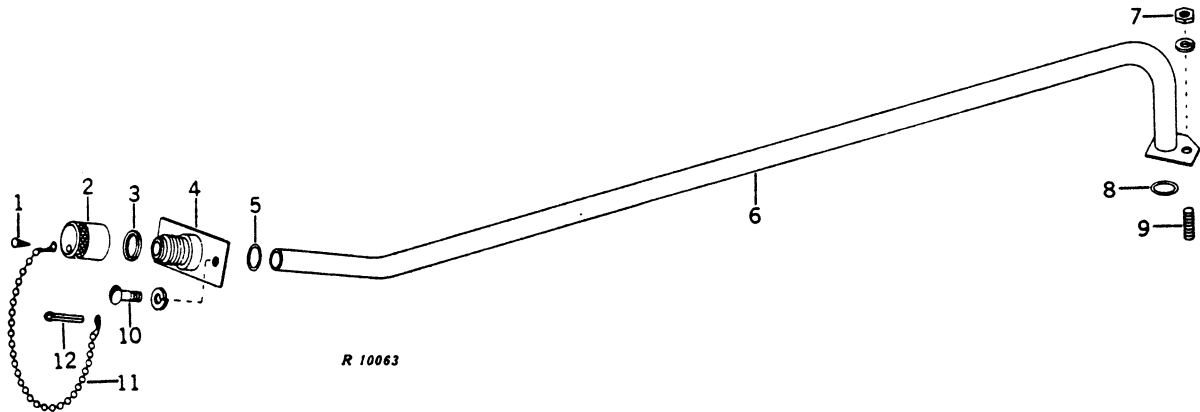
*Furnished by John Deere Waterloo Tractor Works.

ENGINE EMERGENCY SHUT-OFF



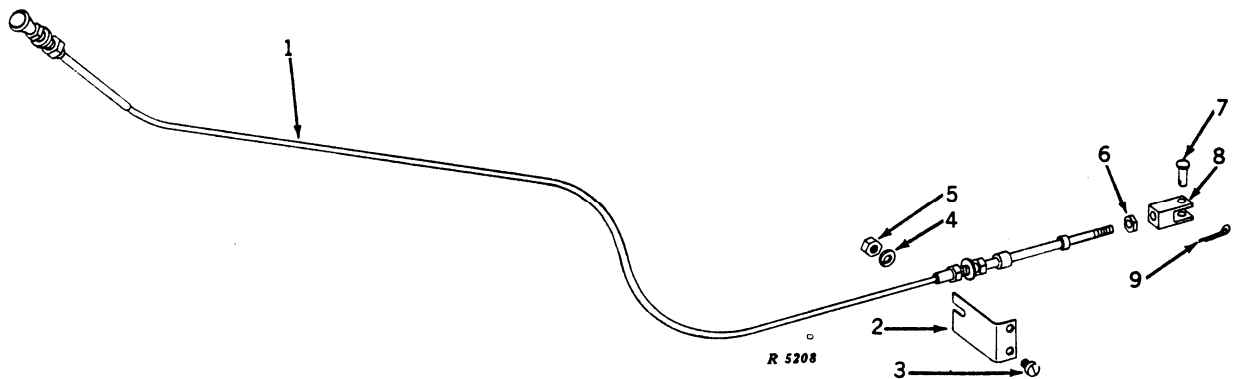
Key	Part No.	Tractor Serial No.	Description
1	AR 29186 R	(-)	Cable and tube
2	B 1986 R	(-)	Clip, tube to fuel strainer bracket
3	R 29349 R	(-)	Bracket, tube
4	A 2421 R	(-)	Clamp, tube to bracket
5	.....	( - )	Washer, lock, 1/4"
6	.....	( - )	Nut, 1/4"
7	.....	( - )	Screw, cap, 1/4" x 3/4" (2 used)
8	14H 631	(-)	Nut, special hex. (2 used)

STARTING AID TUBE



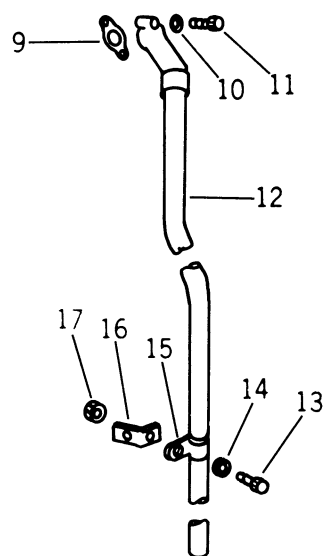
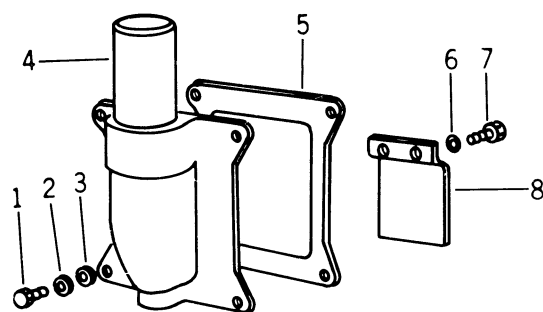
Key	Part No.	Tractor Serial No.	Description
1	37H 44	(-)	Screw, drive, No. 7 x 3/8"
2	R 28750 R	(-)	Cap, adapter
3	R 28819 R	(-)	Packing, cap
4	AR 29961 R	(-)	Adapter, with clip
5	R 47147	(-)	O-ring
6	AR 29853 R	(-)	Tube, starting aid, with clip
7	.....	( - )	Nut, hex., 5/16"
8	.....	( - )	Washer, lock, 5/16"
9	R 47147	(-)	O-ring
10	B 1504 R	(-)	Pin, dowel
11	21H 1029	(-)	Screw, mach., 5/16" x 3/4" (2 used)
12	.....	( - )	Washer, lock, 5/16" (2 used)
	AR 27940 R	(-)	Chain, with couplings
	R 31227 R	(-)	Coupling (2 used)
	.....	( - )	Pin, cotter, 1/8" x 1"

ENGINE STOP



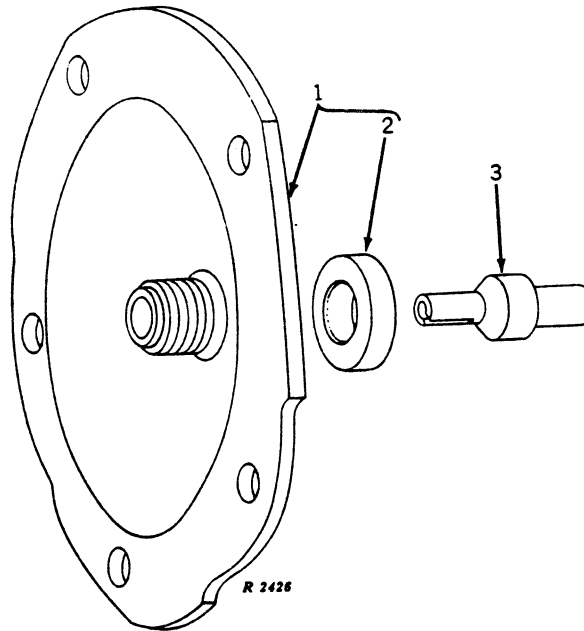
Key	Part No.	Tractor Serial No.	Description
1	AR 29472 R	(-)	Cable, push pull, engine stop
2	R 30366 R	(-)	Bracket, cable
3	.....	( - )	Screw, cap, 5/16" x 5/8" (2 used)
4	.....	( - )	Washer, lock, 5/16" (2 used)
5	.....	( - )	Nut, hex., 5/16" (2 used)
6	14H 631	(-)	Nut, special hex.
7	R 662 R	(-)	Pin, headed, cable yoke
8	R 30367 R	(-)	Yoke, cable
9	.....	( - )	Pin, cotter, 1/16" x 1"

VENTILATING SYSTEM



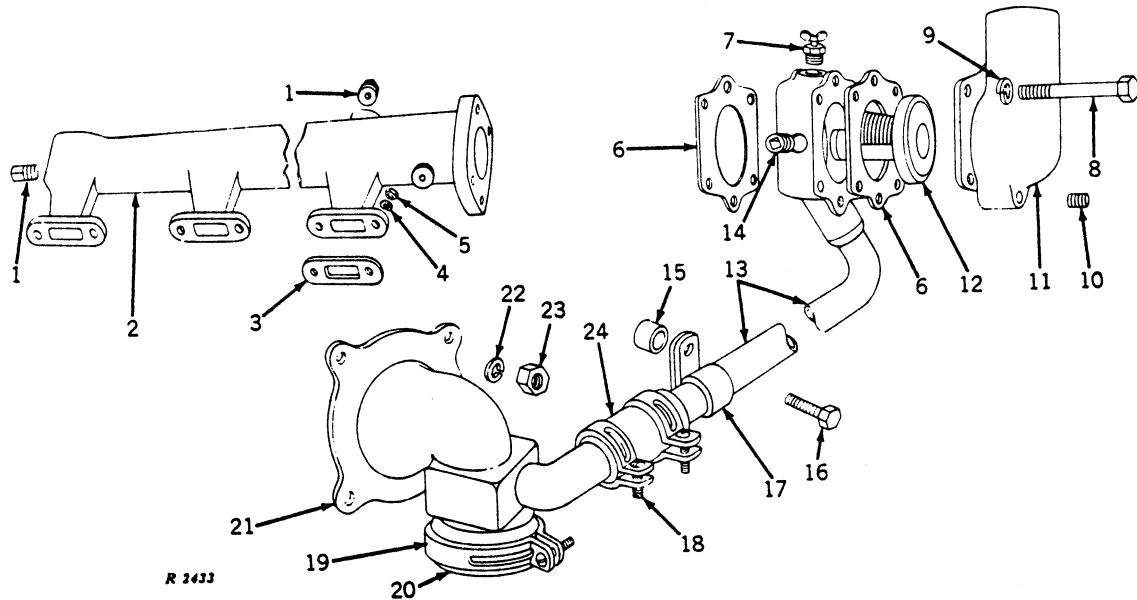
Key	Part No.	Engine Serial No.	Description
1	179862	(-)	Screw, cap, 7/16" -14 x 1-1/2" (4 used)
2	.....	( - )	Washer, lock, 7/16" (4 used)
3	103342	(-)	Washer, flat, 7/16" (4 used)
4	5176066	(-)	Baffle, crankcase
5	5173482	(-)	Gasket, crankcase breather
6	.....	( - )	Washer, lock, 5/16" (2 used)
7	100014	(-)	Screw, cap, 5/16" -24 x 1" (2 used)
8	5176066	(-)	Baffle, crankshaft breather
9	5150900	(-)	Gasket, breather tube
10	120217	(-)	Washer, lock, no. 10 (2 used)
11	110493	(-)	Screw, no. 10 -24 x 1-1/4", fil. hd. (2 used)
12	5187408	(-)	Tube, breather
13	121928	(-)	Screw, cap, 5/16" -24 x 1/2"
14	.....	( - )	Washer, lock, 5/16"
15	5165244	(-)	Clip, breather tube
16	5182647	(-)	Adapter, breather tube clip
17	121928	(-)	Nut, hex., 5/16" -24

TACHOMETER DRIVE



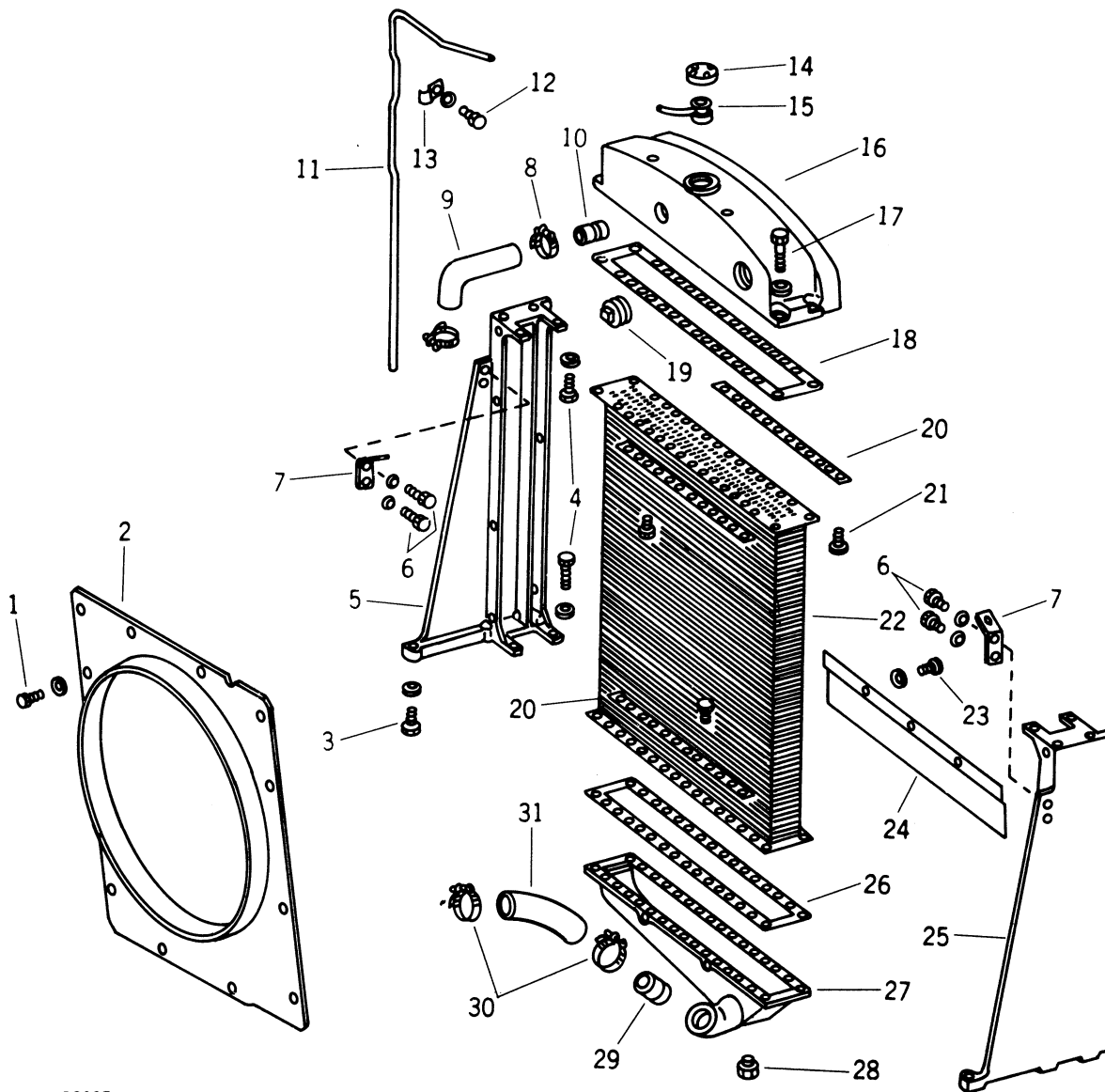
Key	Part No.	Engine Serial No.	Description
1	3290416	(-)	Cover, with seal
2	3202615	(-)	Seal
3	3224992	(-)	Shaft, drive
Parts listed below are not illustrated.			
	179857	(-)	Screw, cap, 7/16" -14 x 7/8", cover to flywheel housing
	.....	( - )	Washer, lock, 7/16"
	179882	(-)	Screw, cap, 1/2" -13 x 1-1/8", cover to flywheel housing (4 used)
	.....	( - )	Washer, lock, 1/2" (4 used)

WATER PUMP COVER, WATER OUTLET MANIFOLD, THERMOSTAT AND WATER BY-PASS TUBE



Key	Part No.	Engine Serial No.	Description
1	103880	(-)	Plug, pipe, 1/2" (2 used)
2	5169485	(-)	Manifold, water outlet
3	5150362	(-)	Stud, water outlet manifold (12 used)
4	5150361	(-)	Gasket, water outlet manifold (6 used)
5	.....	( - )	Washer, lock, 3/8" (12 used)
6	117049	(-)	Nut, hex., 3/8" -24 (12 used)
7	5169478	(-)	Gasket, water by-pass tube (upper) (2 used)
8	103647	(-)	Draincock, 1/4"
9	179828	(-)	Screw, cap, 5/16" -18 x 2-1/2" (4 used)
10	.....	( - )	Washer, lock, 5/16" (4 used)
11	103878	(-)	Plug, pipe, 1/4"
12	5186260	(-6A-93404)	Elbow, water manifold outlet
13	5186205	(6A-93405-)	Elbow, water manifold outlet
14	5172141	(-)	Thermostat
15	5186203	(-)	Tube, water by-pass, with thermostat housing
16	444867	(-)	Plug, pipe, 3/8" (2 used)
17	5160425	(-)	Spacer
18	179846	(-)	Screw, cap, 3/8" -16 x 1-7/8"
19	5157702	(-)	Clip, water by-pass tube
20	111612	(-)	Clamp, 1-3/8" O.D. hose (2 used)
21	111628	(-)	Clamp, water pump inlet seal, 2-3/4" O.D. hose
22	5156770	(-)	Seal, water pump inlet, 2-3/4" O.D.
23	5179386	(-)	Cover, water pump
24	.....	( - )	Washer, lock, 1/4" (4 used)
	121902	(-)	Nut, hex., 1/4" -28 (4 used)
	5177217	(-)	Hose, water by-pass tube connection, 1" I.D. x 3-1/2" long

RADIATOR

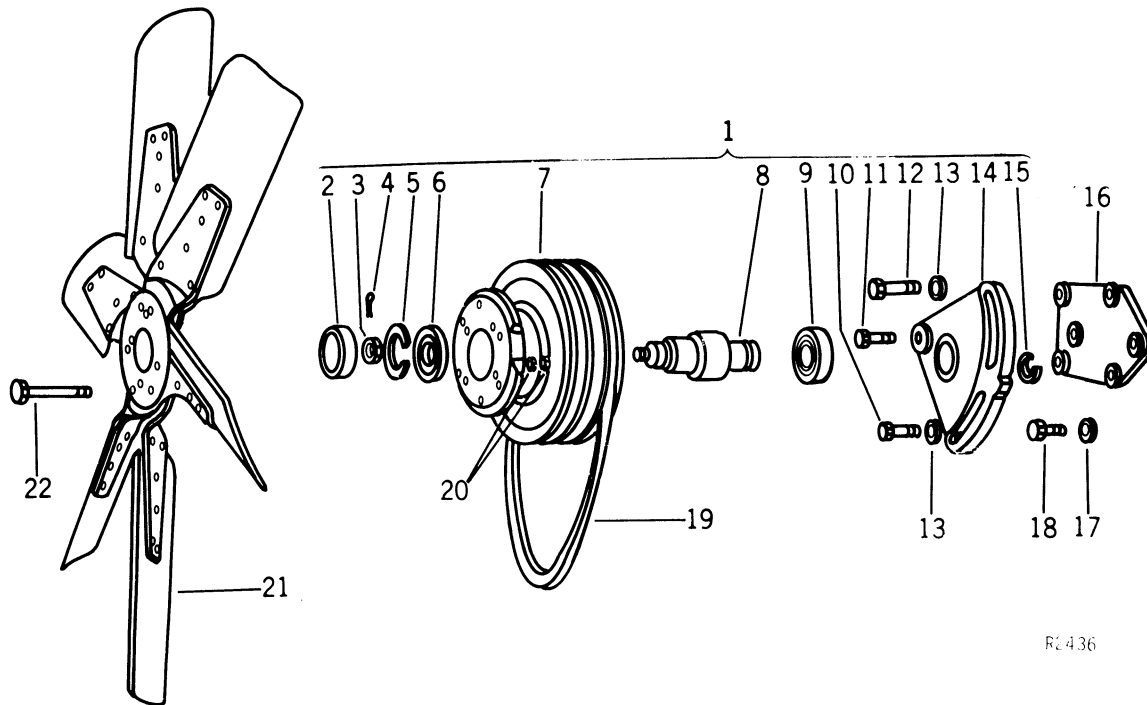


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RADIATOR -- Continued

Key	Part No.	Tractor Serial No.	Description
1	(-)	Screw, cap, 3/8" x 5/8" (12 used)
	.....	( - )	Washer, lock, 3/8" (12 used)
2	AR 29871 R	(-)	Shroud
3	.....	( - )	Screw, cap, 5/8" x 1-3/4" (2 used)
	.....	( - )	Washer, lock, 5/8" (2 used)
4	.....	( - )	Screw, cap, 7/16" x 2-3/4" (16 used)
	.....	( - )	Washer, lock, 7/16" (16 used)
5	R 31828 R	(-)	Side, radiator, L.H.
6	19H 1936	(-)	Screw, cap, high-strength, 3/8" x 3/4" (4 used)
	.....	( - )	Washer, lock, 3/8" (4 used)
7	R 30627 R	(-)	Clip (2 used)
8	AR 21840 R	(-)	Clamp (2 used) (packed 10 in a pkg.)
9	R 29905 R	(-)	Hose, upper water
10	R 29747 R	(-)	Nipple
11	R 29741 R	(-)	Tube, vent
12	.....	( - )	Screw, cap, 3/8" x 3/4"
	.....	( - )	Washer, lock, 3/8"
13	R 183 R	(-)	Clip, vent tube
14	AA 5757 R	(-)	Cap, radiator
15	AR 29373 R	(-)	Neck, radiator filler
16	R 29701 R	(-)	Tank, radiator top
17	.....	( - )	Screw, cap, 7/16" x 1-1/2" (16 used)
	.....	( - )	Washer, lock, 7/16" (16 used)
18	R 29736 R	(-)	Gasket, top
19	15H 243	(-)	Plug, pipe
20	R 29738 R	(-)	Strap (4 used)
21	.....	( - )	Screw, cap, 3/8" x 3/4" (48 used)
22	AR 29348 R	(-)	Core, radiator
23	.....	( - )	Screw, cap, 3/8" x 3/4" (3 used)
	.....	( - )	Washer, lock, 3/8" (3 used)
24	R 29904 R	(-)	Baffle, lower
25	R 31827 R	(-)	Side, radiator, R.H.
26	R 29737 R	(-)	Gasket, bottom
27	R 29702 R	(-)	Tank, bottom
28	C 1865 R	(-)	Plug, drain
29	29H 630	(-)	Nipple
30	AR 21841 R	(-)	Clamp (2 used) (packed 10 in a pkg.)
31	R 29906 R	(-)	Hose, lower water
Parts listed below are not illustrated:			
..	R 31618 R	(-)	Handle, mountains, L.H.
..	.....	( - )	Screw, cap, high-strength, 3/8" x 1-1/4" (2 used)
..	.....	( - )	Washer, lock, 3/8" (2 used)

FAN

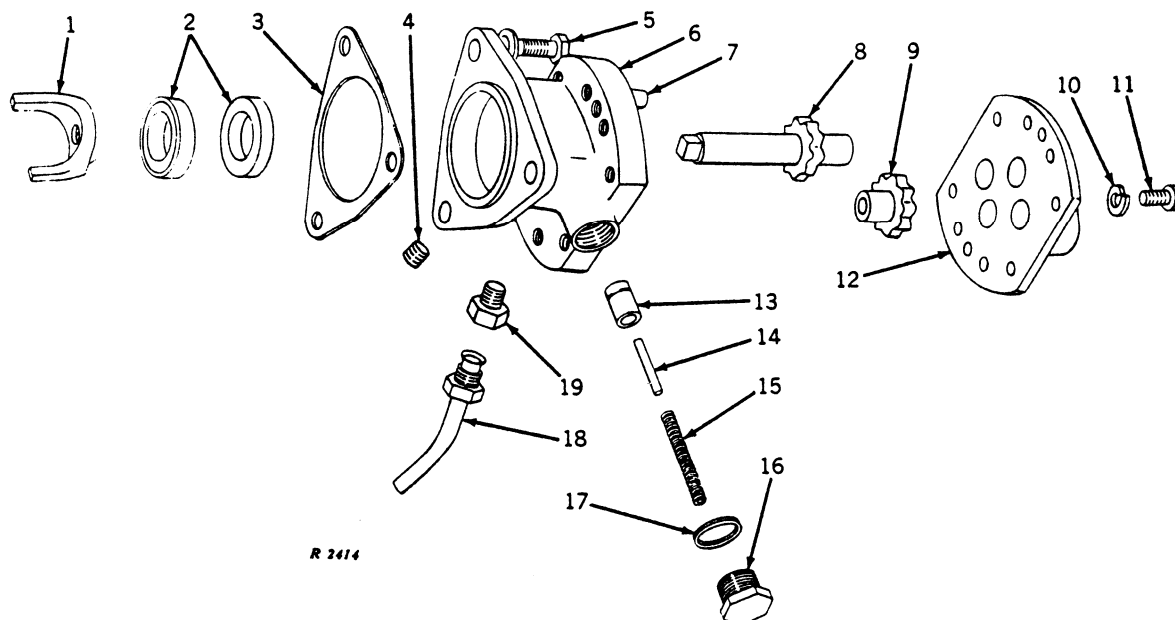


R2436

Key	Part No.	Engine Serial No.	Description
1	5129141	(-)	Pulley and hub, fan, less belts
2	5123794	(-)	Cap, fan hub, in pulley
3	122797	(-)	Nut, hex., 5/8" -18
4	.....	( - )	Pin, cotter, 1/8" x 1"
5	274746	(-)	Retainer, fan shaft bearing (outer)
6	905260	(-)	Bearing, fan shaft (outer)
7	5115003	(-)	Hub, fan, pulley
8	5123796	(-)	Shaft, fan
9	905259	(-)	Bearing, fan shaft (inner)
10	186689	(-)	Screw, cap, 1/2" -13 x 1-3/8"
11	426449	(-)	Screw, cap, 5/8" -11 x 1-5/8"
12	186689	(-)	Screw, cap, 1/2" -13 x 2"
13	103343	(-)	Washer, 1/2" flat (2 used)
14	5113063	(-)	Bracket, fan shaft
15	5188194	(-)	Snap, ring
16	5176235	(-)	Support, fan mounting
17	.....	( - )	Washer, lock, 1/2"
18	186646	(-)	Washer, lock, 9/16" (2 used)
19	AR 29285 R*	(-)	Screw, cap, 1/2" -13 x 1-3/4"
20	100173	(-)	Screw, cap, 9/16" -12 x 1-3/4" (2 used)
21	AR 29284 R*	(-)	Belts, two-matched vee (42"), fan drive (2 belts)
22	.....	( - )	Nut, 5/16" (6 used)
	.....	( - )	Washer, lock, 5/16" (6 used)
	.....	( - )	Fan
	.....	( - )	Screw, cap, 5/16" x 1-1/4" (6 used)

*Furnished by John Deere Waterloo Tractor Works.

FUEL PUMP AND FUEL PUMP DRAIN

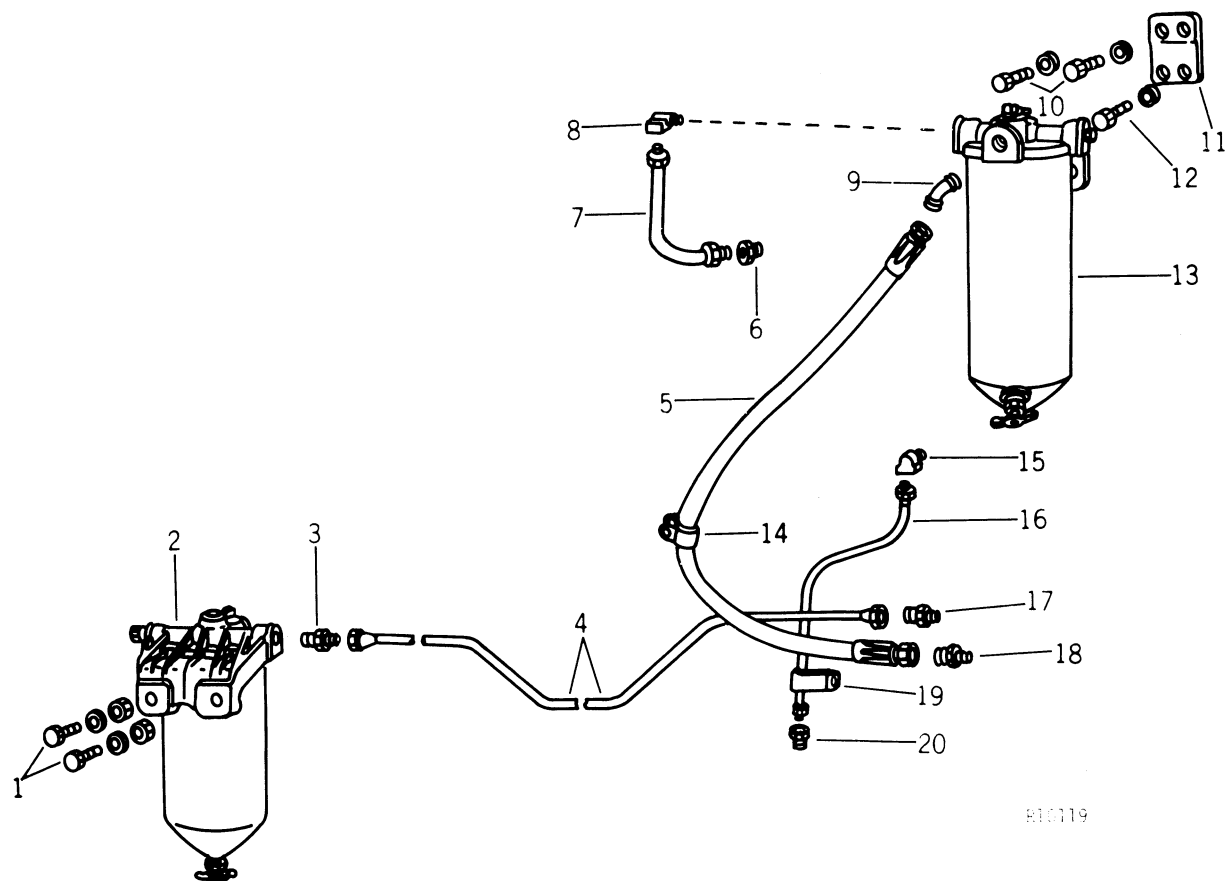


Key	Part No.	Engine Serial No.	Description
1	5150199	(-)	Fork, fuel pump coupling
2	5230007	(-)	Seal, fuel pump oil (2 used)
3	5150193	(-)	Gasket, fuel pump to engine
4	444687	(-)	Plug, pipe hex. socket head, 1/8"
5	5118219	(-)	Screw, cap, with seal washer (3 used)
6	5177292	(-)	Body, fuel pump
7	141195	(-)	Pin, dowel, 1/4" x 5/8" (2 used)
8	5181746	(-)	Shaft, fuel pump drive (includes gear and steel ball)
	5178700	(-)	Shaft, fuel pump drive
	5174975	(-)	Gear, fuel pump
	147481	(-)	Ball, steel, 1/8" diameter
9	5181747	(-)	Shaft, fuel pump driven (includes driven gear which is not sold separately)
10	.....	( - )	Washer, lock, 1/4" (8 used)
11	138201	(-)	Screw, cap, hex. socket head, 1/4" -20 x 3/8" (8 used)
12	5174962	(-)	Cover, fuel pump
13	5174973	(-)	Valve, fuel pump relief
14	103709	(-)	Pin, straight, 5/32" x 1"
15	5184530	(-)	Spring, fuel pump relief valve
16	5174971	(-)	Plug, fuel pump valve
17	5161003	(-)	Gasket, fuel pump valve plug
18	5158825	(-)	Tube, fuel pump drain
19	137406	(-)	Connector, 5/16"

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

5184532	(-)	Fuel pump (includes keys 2, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, and 17.)
5195078	(-)	Kit, overhaul, fuel pump (as required)

FUEL FILTER, FUEL STRAINER, AND FUEL LINES

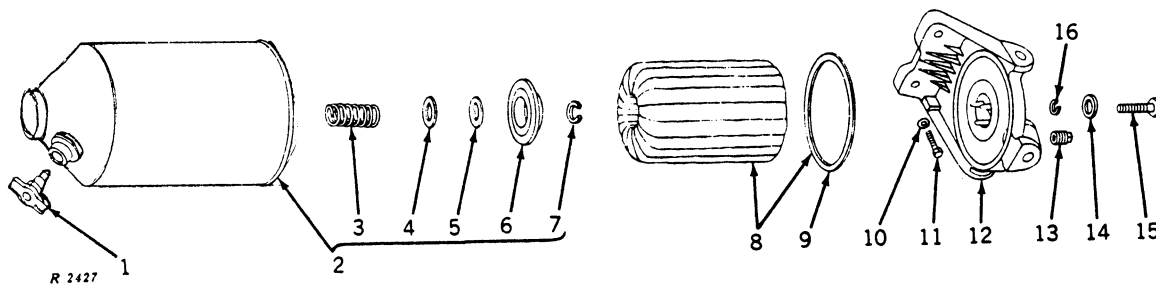


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FUEL FILTER, FUEL STRAINER, AND FUEL LINES -- Continued

Key	Part No.	Tractor Serial No.	Description
1	.....	( - )	Screw, cap, high-strength, 3/8" x 1-1/2" (2 used)
	.....	( - )	Washer, lock, 3/8" (2 used)
	.....	( - )	Nut, 3/8" (2 used)
2	5575568	(-)	Strainer, fuel, 6" (for parts see page 30-4)
3	R 26982 R	(-)	Connector
4	AR 29852 R	(-)	Pipe, fuel supply
5	5189175	(-)	Hose, fuel pump inlet
6	137407	(-)	Connector, pipe, 1/4" x 5/8"-18, in head
7	5123063	(-)	Tube, fuel filter to head
8	137423	(-)	Elbow, 3/8", 90°, in filter
9	118755	(-)	Elbow, 3/8"
10	179839	(-)	Screw, cap, 3/8"-16 x 1" (2 used)
	.....	( - )	Washer, lock, 3/8" (2 used)
	103341	(-)	Washer, 3/8" flat (small) (as required)
	106263	(-)	Washer, 3/8" flat (large) (as required)
11	5187022	(-)	Bracket, fuel filter mounting
12	179835	(-)	Screw, cap, 3-1/8"-16" x 5/8" (2 used)
	.....	( - )	Washer, lock, 3/8" (2 used)
13	5574533	(-)	Filter, fuel, 8" (for parts see page 30-5)
14	3291251	(-)	Clip, fuel pump to filter tube
15	5112892	(-)	Elbow, restricted (stamped R in head)
16	5123057	(-)	Tube, fuel return
17	R 26982 R	(-)	Connector
18	118750	(-)	Connector, 3/8"
19	5178450	(-)	Clip, fuel return tube
20	187343	(-)	Connector, 5/16"

FUEL STRAINER PARTS



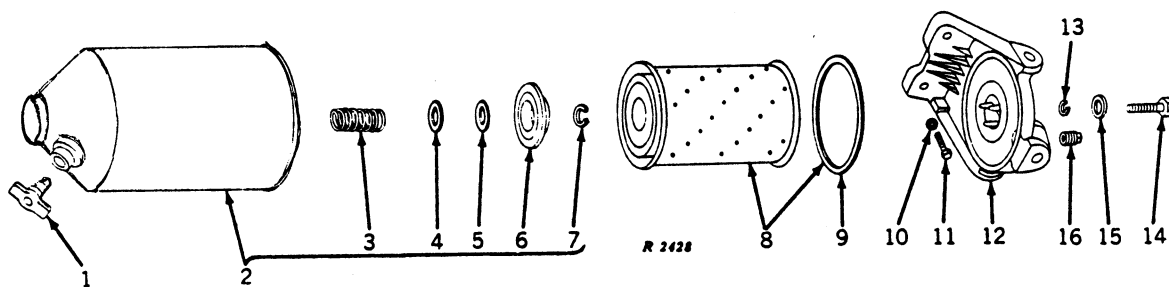
Key	Part No.	Engine Serial No.	Description
1	103647	(-)	Draincock, 1/4"
2	5575792	(-)	Shell assembly, fuel strainer (includes keys 3, 4, 5, 6, and 7)
3	5574124	(-)	Spring, fuel strainer
4	5574122	(-)	Seat, fuel strainer spring
5	5574126	(-)	Seal, fuel strainer element seat
6	5574123	(-)	Seat, fuel strainer element
7	5574120	(-)	Ring, fuel strainer element seat
8	AR 29586 R*	(-)	Element, fuel strainer (includes gasket key 9)
9	5574161	(-)	Gasket, fuel strainer cover
10	.....	( - )	Washer, lock, 3/8" (2 used)
11	181370	(-)	Screw, cap, 3/8" -24 x 1-1/4" (2 used)
12	5575789	(-)	Cover, fuel strainer (includes keys 14 and 15)
13	103878	(-)	Plug, 1/4" pipe (2 used)
14	1503536	(-)	Gasket, fuel strainer cover bolt
15	5575790	(-)	Screw, cap, fuel strainer cover
16	5574121	(-)	Snap ring, screw retaining

Part listed below is not illustrated.
5575197 (-)

) Decal, fuel strainer

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FUEL FILTER PARTS



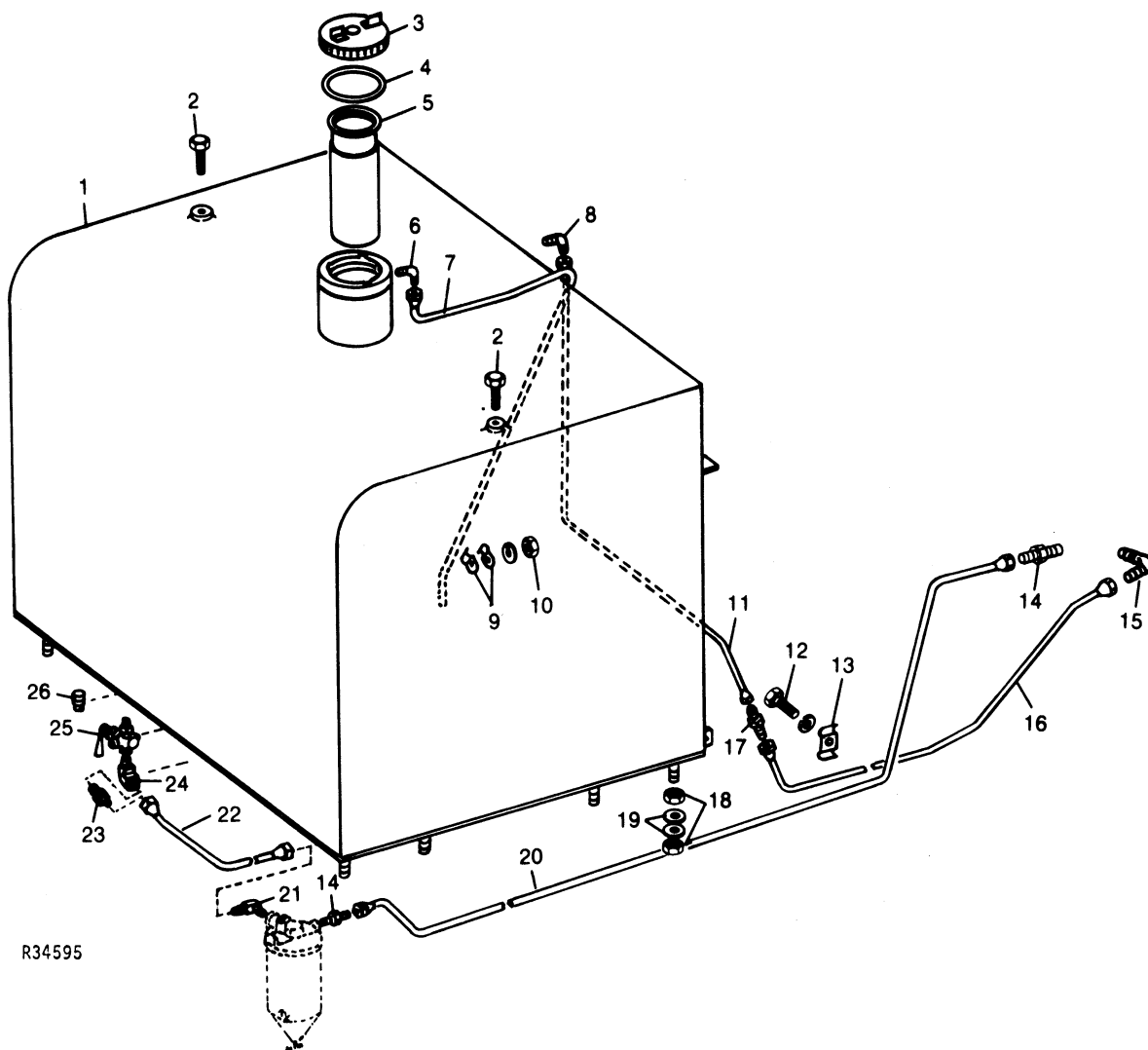
Key	Part No.	Engine Serial No.	Description
1	103647	(-)	Draincock, 1/4"
2	5575169	(-)	Shell, fuel filter (includes keys 3, 4, 5, 6, and 7)
3	5574124	(-)	Spring, fuel filter element
4	5574122	(-)	Seat, fuel filter element spring
5	5574126	(-)	Seal, fuel filter element seat
6	5574123	(-)	Seat, fuel filter element
7	5574120	(-)	Ring, fuel filter element seat
8	AR 29583 R*	(-)	Element, fuel filter, with gasket, key 9
9	5574161	(-)	Gasket, fuel filter cover
10	.....	( - )	Washer, lock, 3/8" (2 used)
	103341	(-)	Washer, flat, 3/8" (small) (as required)
	106263	(-)	Washer, flat, 3/8" (large) (as required)
11	179839	(-)	Screw, cap, 3/8" -16 x 1" (2 used)
12	5574117	(-)	Cover, fuel filter (includes keys 13, 14, and 15)
13	5574121	(-)	Snap ring, screw retaining
14	5574118	(-)	Bolt, fuel filter cover
15	1503536	(-)	Gasket, fuel filter cover screw
16	103878	(-)	Plug, pipe, 1/4" (2 used)

Part listed below is not illustrated.

5574516 (-) Decal, fuel filter

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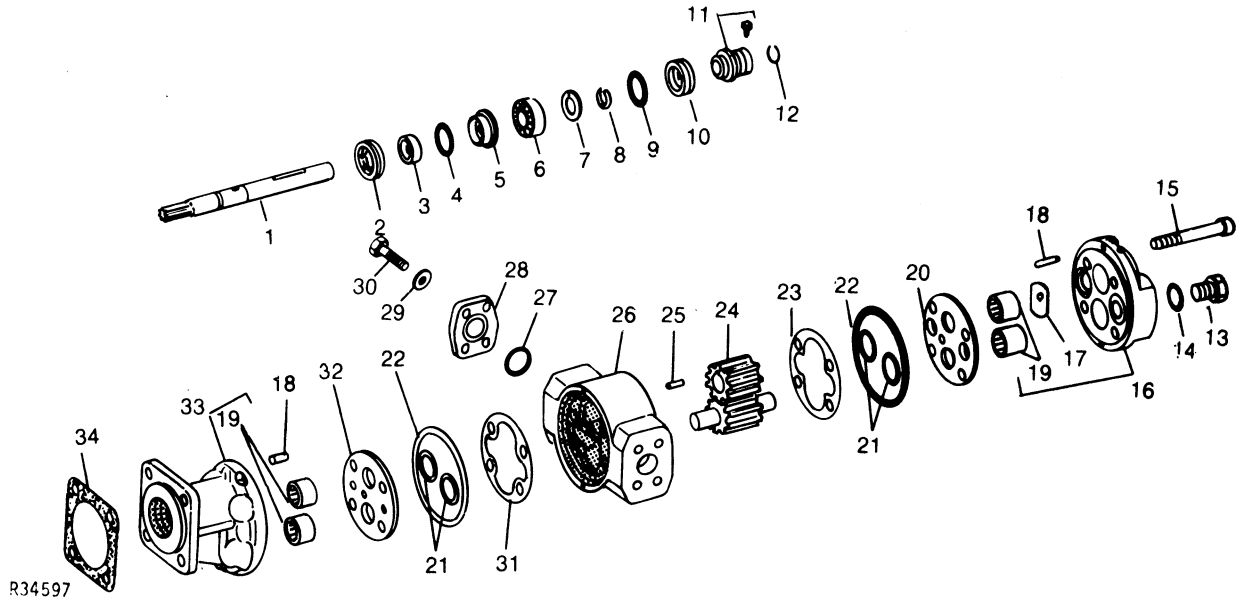
FUEL TANK AND FITTINGS



FUEL TANK AND FITTINGS -- Continued

Key	Part No.	Tractor Serial No.	Description
1	AR 29913 R	(-)	Tank, fuel (do not stock)
2	.....	( - )	Screw, cap, 1/2" x 1" (2 used)
3	AR 29120 R	(-)	Cap, fuel filler
4	R 30210 R	(-)	Gasket, fuel filler cap
5	AR 29600 R	(-)	Strainer, fuel tank
6	R 29295 R	(-)	Elbow, 90°
7	AR 29848 R	(-)	Line, fuel tank vent
8	R 29295 R	(-)	Elbow, 90°
| 9	R 27545 R	(-)	Clamp (2 used) (sub R42357)
10	.....	( - )	Nut
	.....	( - )	Washer, lock
11	AR 29954 R	(-)	Line, fuel return, rear
12	.....	( - )	Screw, cap, 1/4" x 3/4" (2 used)
	.....	( - )	Washer, lock, 1/4" (2 used)
13	R 27323 R	(-)	Clamp (2 used)
14	R 26892 R	(-)	Connector (2 used)
| 15	AR 26635	(-)	Elbow, 90°
16	AR 29953 R	(-)	Line, fuel return, front
17	R 36040 R	(-)	Connector
18	.....	( - )	Nut, hex., 1/2" (16 used)
19	D 2865 R	(-)	Washer (16 used)
20	AR 29852 R	(-)	Line, fuel supply
21	AR 26635 R	(-)	Elbow, 90°
| 22	AR 29851 R	(-)	Line, fuel tank to strainer
23	R 30356 R	(-)	Connector, 37°
24	A 5967 R	(-)	Elbow, 90° steel
25	AR 29594 R	(-)	Valve, shutoff
26	15H 584	(-)	Plug, drain

AR29465R CLUTCH PUMP

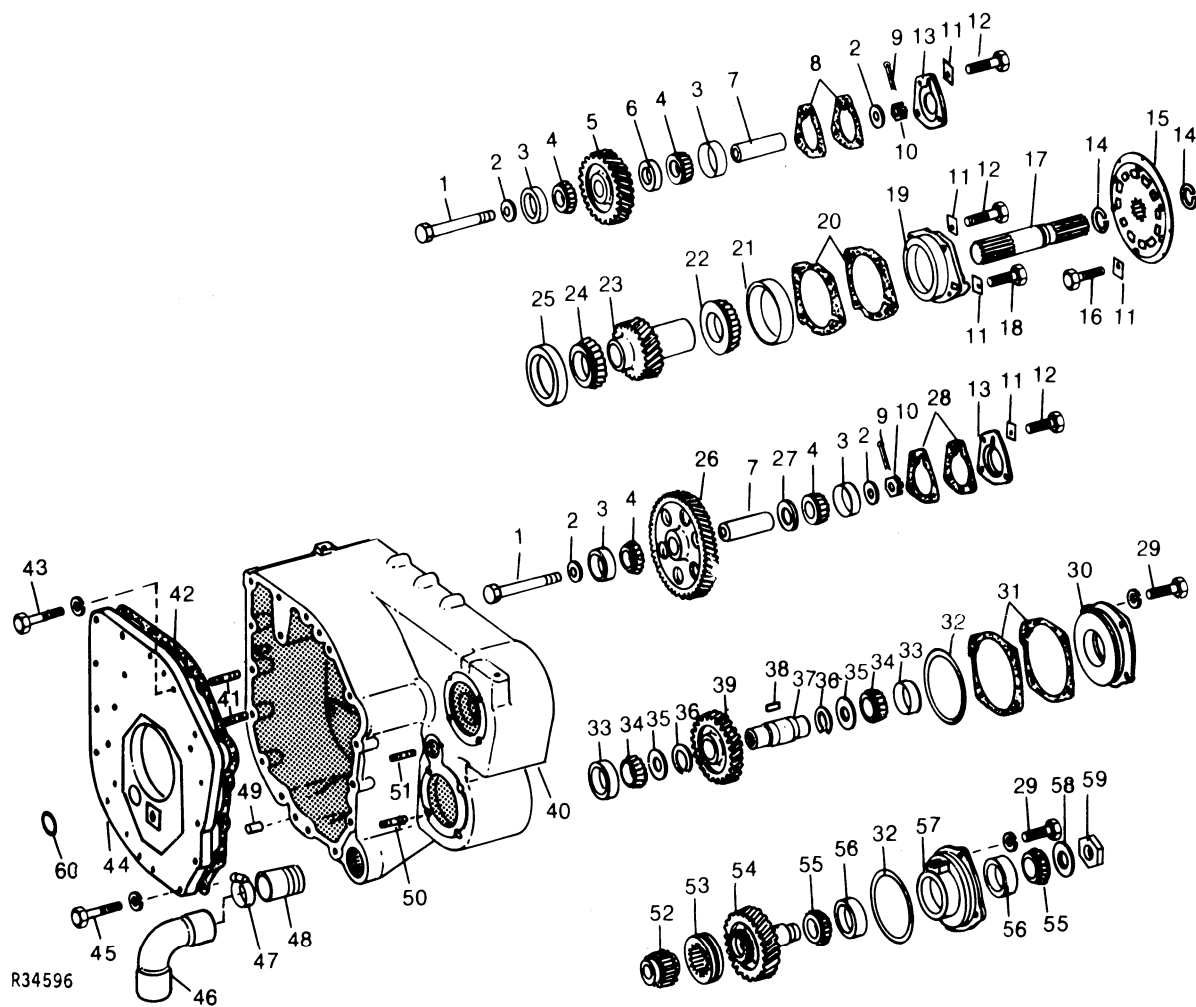


Key	Part No.	Tractor Serial No.	Description
1	R 30045 R	(-)	Shaft, drive
2	AR 29500 R	(-)	Plug, bearing retainer
3	AR 29503 R	(-)	Seal, low pressure oil
4	R 30063 R	(-)	Packing, O-ring
5	R 30054 R	(-)	Sleeve, seal
6	AR 29502 R	(-)	Bearing, ball
7	R 30061 R	(-)	Retainer, snap ring
8	R 30053 R	(-)	Snap ring
9	R 30200 R	(-)	Packing, O-ring
10	AR 29499 R	(-)	Seat, seal, with packing
11	AR 29498 R	(-)	Seal, oil, with drive pin
12	L 2141 CU	(-)	Snap ring
13	R 30066 R	(-)	Plug
14	U 12547 U	(-)	Packing, O-ring
15	R 30057 R	(-)	Screw, special cap (4 used)
16	AR 29688 R	(-)	Cover, pump, with bearings and thrust washer
17	R 30055 R	(-)	Washer, special thrust
18	P 46132 H	(-)	Pin, dowel (4 used)
19	AR 29501 R	(-)	Race and roller, straight roller bearing center (4 used)
20	R 30049 R	(-)	Plate, wear
21	R 47148	(-)	Packing, O-ring (4 used)
22	L 2143 CU	(-)	Packing, O-ring (2 used)
23	L 2146 CU	(-)	Shim, .002"
24	AR 29552 R	(-)	Gear, pump (set of two)
25	R 30064 R	(-)	Pin, dowel
26	R 30042 R	(-)	Housing, pump
27	R 47155	(-)	Packing, O-ring
28	R 30056 R	(-)	Plate, pump housing end
29	.....	( - )	Washer, lock, 7/16" (4 used)
30	.....	( - )	Screw, cap, high-strength, 7/16" x 1-1/4" (4 used)
31	L 2145 CU	(-)	Shim, .001"
32	R 30048 R	(-)	Plate, wear
33	AR 29687 R	(-)	Adapter, pump, with bearings
34	R 29687	(-)	Gasket

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

AR 29465 R (-) Pump, clutch

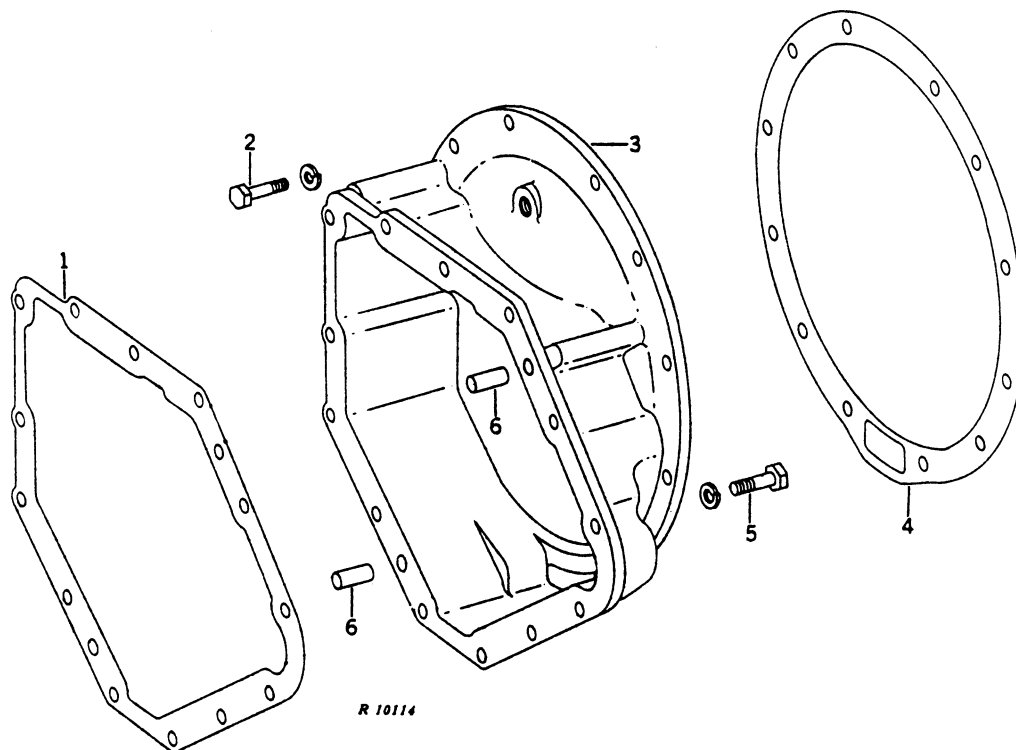
CLUTCH HOUSING, CLUTCH DRIVE, AND STEERING PUMP DRIVE



CLUTCH HOUSING, CLUTCH DRIVE, AND STEERING PUMP DRIVE -- Continued

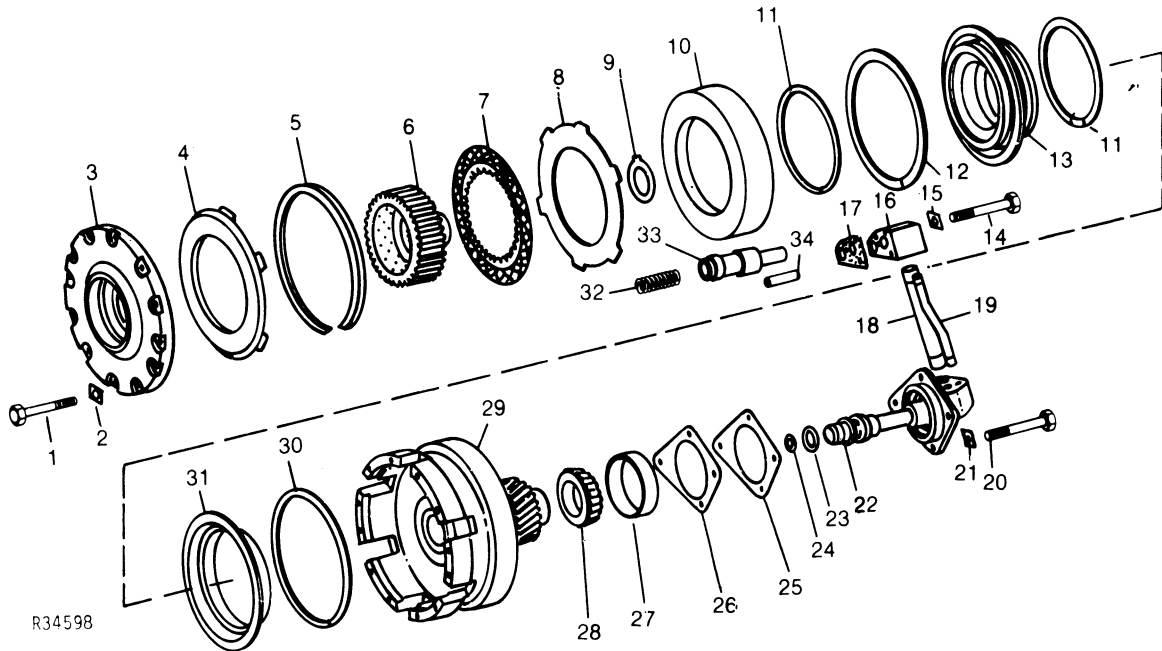
Key	Part No.	Tractor Serial No.	Description
1	R 37274 R	(-)	Screw, cap, special (2 used)
2	24H 1402	(-)	Washer, 25/32" x 1-7/8" x .250" (4 used)
3	JD 8219	(-)	Cup, bearing (4 used)
4	JD 8928	(-)	Cone, with rollers (4 used)
5	R 37132 R	(-)	Gear, clutch idler
6	R 37273 R	(-)	Spacer, clutch idler gear
7	R 37133 R	(-)	Shaft, gear (2 used)
8	R 37135 R	(-)	Shim, .003", bearing cover (3 used)
	R 37136 R	(-)	Shim, .010", bearing cover (4 used)
9	.....	( - )	Pin, cotter, 1/8" x 2" (2 used)
10	B 235 R	(-)	Nut, slotted (2 used)
11	R 1888 R	(-)	Plate, lock (18 used)
12	.....	( - )	Screw, cap, high-strength, 3/8" x 1-1/8" (9 used)
13	R 37134 R	(-)	Cover, bearing (2 used)
14	A 2597 R	(-)	Snap ring (2 used)
15	AR 29950 R	(-)	Coupling, flexible drive, with nuts
16	.....	( - )	Screw, cap, high-strength, 3/8" x 1" (8 used)
17	R 37109 R	(-)	Shaft, clutch drive
18	.....	( - )	Screw, cap, high-strength, 3/8" x 1-1/2"
19	R 37095 R	(-)	Quill, clutch drive gear bearing
20	R 37096 R	(-)	Shim, .003", bearing quill (5 used)
21	JD 7416	(-)	Cup, bearing
22	JD 7392	(-)	Cone, with roller
23	R 37094 R	(-)	Shaft, with clutch drive gear
24	JD 8946	(-)	Cone, with roller
25	JD 8206	(-)	Cup, bearing
26	R 37082 R	(-)	Gear, idler
27	R 37280 R	(-)	Washer, gear retaining
28	R 37135 R	(-)	Shim, .003", bearing cover (3 used)
	R 37136 R	(-)	Shim, .010", bearing cover (4 used)
29	.....	( - )	Screw, cap, high-strength, 1/2" x 1-3/8" (8 used)
	.....	( - )	Washer, lock, 1/2" (8 used)
30	R 37085 R	(-)	Quill, front bearing
31	R 37086 R	(-)	Shim, .002", bearing quill (2 used)
32	R 27796 R	(-)	Packing, O-ring (2 used) (packed 2 in a pkg.)
33	JD 7418	(-)	Cup, bearing (2 used)
34	JD 7395	(-)	Cone, with rollers (2 used)
35	R 30452 R	(-)	Washer (2 used)
36	R 30234 R	(-)	Snap ring (2 used)
37	R 37084 R	(-)	Shaft, steering pump drive gear bearing
38	D 279 R	(-)	Key
39	R 37083 R	(-)	Gear, steering pump drive
40	R 37130 R	(-)	Housing, clutch
41	R 465 R	(-)	Stud, 1/2" x 3-1/2" (2 used)
	K 2019 R	(-)	Stud, 1/2" x 2-1/4" (4 used)
42	R 37100 R	(-)	Gasket, clutch housing plate
43	.....	( - )	Screw, cap, high-strength, 1/2" x 1-7/8" (10 used)
	.....	( - )	Washer, lock, 1/2" (9 used)
44	R 37117 R	(-)	Plate, clutch housing
45	.....	( - )	Screw, cap, high-strength, 1/2" x 2-1/2" (3 used)
	.....	( - )	Washer, lock, 1/2" (5 used)
46	R 37115 R	(-)	Hose, clutch oil return
47	AR 21841 R	(-)	Clamp, hose
48	29H 630	(-)	Nipple
49	A 120 R	(-)	Pin, dowel (2 used)
50	M 2017 T	(-)	Stud, 1/2" x 2-5/8" (8 used)
51	R 29857 R	(-)	Stud, 1/2" x 2-5/8" (2 used)
52	R 37051 R	(-)	Sleeve, hydraulic pump drive
53	R 35618 R	(-)	Collar, shifter
54	R 37078 R	(-)	Gear, clutch pump drive
55	JD 7395	(-)	Cone, with rollers (2 used)
56	JD 7418	(-)	Cup, bearing (2 used)
57	R 37079 R	(-)	Quill, bearing
58	R 37080 R	(-)	Washer
59	R 37081 R	(-)	Nut, gear retaining
60	R 37287	(-)	O-ring

CLUTCH ADAPTER HOUSING



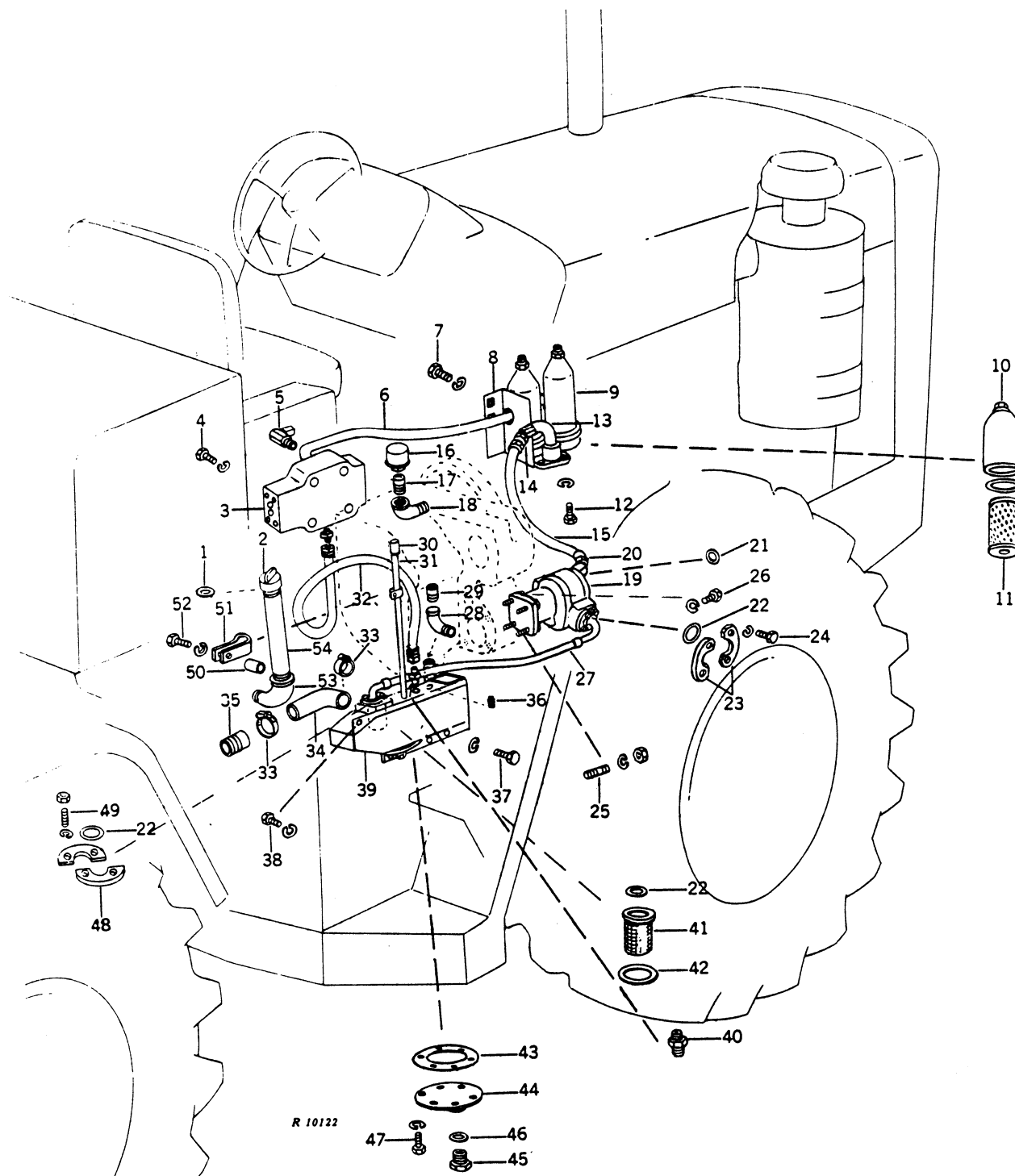
Key	Part No.	Tractor Serial No.	Description
1	R 37106 R	(-)	Gasket, adapter housing
2	.....	( - )	Screw, cap, high-strength, 3/8" x 1-1/4" (12 used)
	.....	( - )	Washer, lock, 3/8" (12 used)
3	R 37105 R	(-)	Housing, clutch adapter
4	R 29858 R	(-)	Gasket, housing to flywheel housing
5	.....	( - )	Screw, cap, high-strength, 1/2" x 1-1/2" (13 used)
	.....	( - )	Washer, lock, 1/2" (13 used)
6	R 26892 R	(-)	Pin, dowel (2 used)

CLUTCH



Key	Part No.	Tractor Serial No.	Description
1	.....	( - )	Screw, cap, high-strength, 3/8" x 1" (12 used)
2	R 1888 R	(-)	Plate, lock (12 used)
3	JD 37131 R	(-)	Cover, clutch
	JD 8272	(-)	Cup, bearing, in clutch cover (not illustrated)
	JD 8989	(-)	Cone, with rollers, in clutch cover (not illustrated)
4	R 37271 R	(-)	Plate, clutch
5	R 37272 R	(-)	Snap ring, clutch plate retaining
6	R 37125 R	(-)	Hub, clutch disk
7	R 37268 R	(-)	Disk, clutch, with facing
8	R 37129 R	(-)	Separator, clutch disk (4 used)
9	H 236 R	(-)	Washer, thrust
10	R 37121 R	(-)	Piston, clutch
11	R 37120 R	(-)	Ring, piston head inner sealing (2 used)
12	R 29849 R	(-)	Ring, sealing
13	R 37124 R	(-)	Head, piston
14	.....	( - )	Screw, cap, high-strength, 3/8" x 3-1/4" (3 used)
15	R 1888 R	(-)	Plate, lock (3 used)
16	R 37103 R	(-)	Block, clutch oil lube tubes
17	R 37104 R	(-)	Gasket, oil tube block
18	R 37101 R	(-)	Tube, clutch oil (2 used)
19	R 37102 R	(-)	Tube, clutch lube
20	.....	( - )	Screw, cap, high-strength, 3/8" x 1-1/8" (4 used)
21	R 1888 R	(-)	Plate, lock
22	AR 29885 R	(-)	Cover, clutch gear bearing with manifold
23	R 33255 R	(-)	Ring, sealing (2 used)
24	R 26753 R	(-)	Ring, sealing
25	R 37092 R	(-)	Shim, .003" (4 used)
26	R 37093 R	(-)	Shim, .010" (4 used)
27	JD 8210	(-)	Cup, bearing
28	JD 8159	(-)	Cone, with rollers
29	AR 29891 R	(-)	Gear, R37718, clutch, with drum
30	R 37123 R	(-)	Snap ring, piston cover retainer
31	R 37122 R	(-)	Cover, clutch piston
32	B 2672 R	(-)	Spring
33	R 37137	(-)	Valve, relief
34	B 484 R	(-)	Pin, dowel

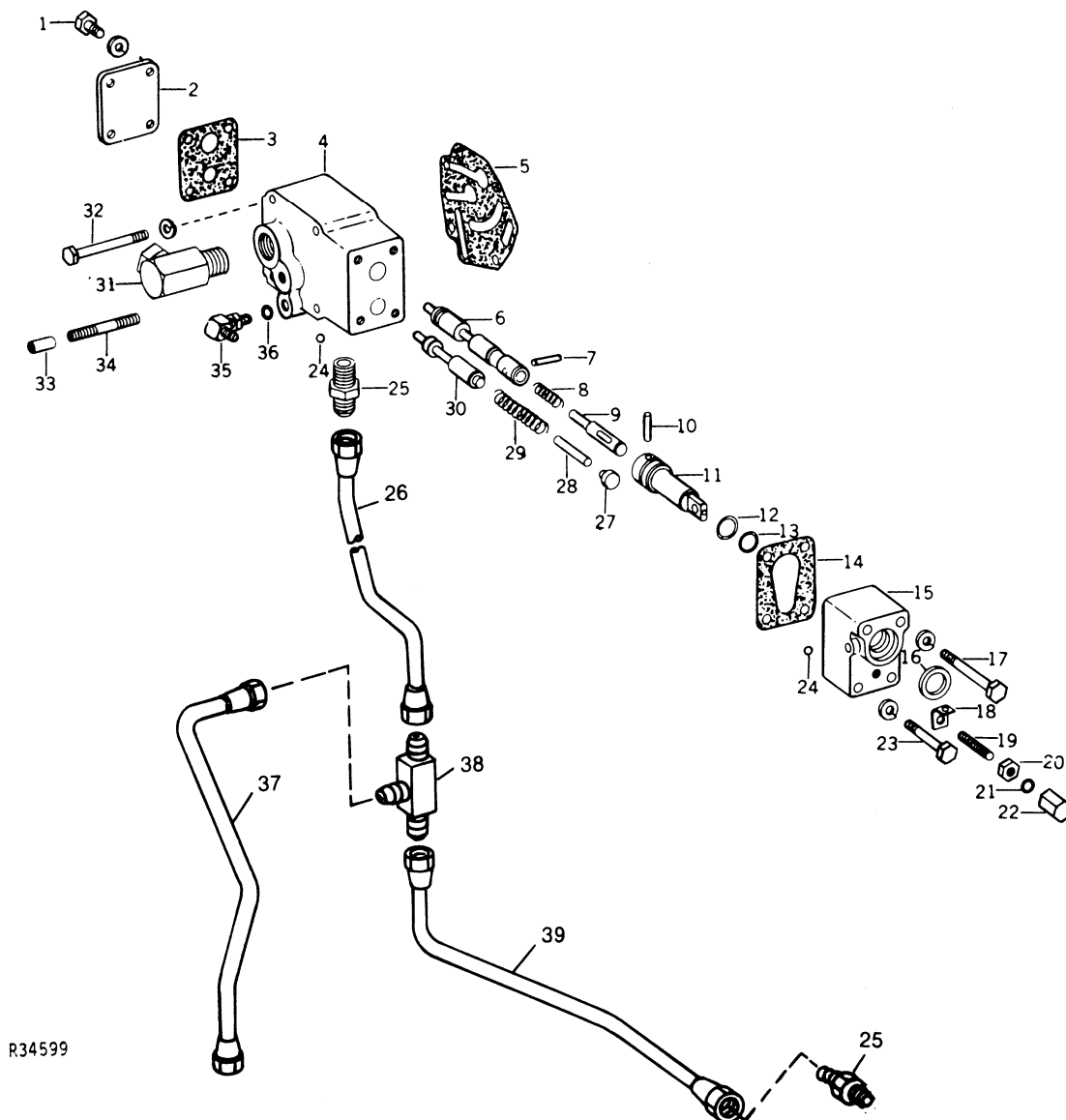
CLUTCH PUMP, CLUTCH OIL LINES, CLUTCH OIL FILTER, AND CLUTCH OIL RESERVOIR



**CLUTCH PUMP, CLUTCH OIL LINES, CLUTCH OIL FILTER,
AND CLUTCH OIL RESERVOIR -- Continued**

Key	Part No.	Tractor Serial No.	Description
1	A 4235 R	(-)	Gasket (packed 2 in a pkg.)
2	A 4233 R	(-)	Cap, special, transmission filler (packed 2 in a pkg.)
3	.....	( - )	Valve, clutch (see page 35-8 for parts)
4	.....	( - )	Screw, cap, high-strength, 3/8" x 3-1/2" (4 used)
	.....	( - )	Washer, lock, 3/8" (4 used)
5	AR 29459 R	(-)	Union, 90° adapter, clutch filter to control valve line to control valve
6	AR 29458 R	(-)	Line, flexible oil, filter to clutch control valve
7	.....	( - )	Screw, cap, high-strength, 3/8" x 1" (5 used)
	.....	( - )	Washer, lock, 3/8" (5 used)
8	AR 29890 R	(-)	Bracket, oil filter
9	AR 29455 R	(-)	Filter, clutch oil complete, with 2 bodies and 2 elements (sub. two AR29555, two AR29554, and one AR29963)
10	AR 29555 R	(-)	Body, oil filter and stud bolt (2 used)
11	AR 29554 R	(-)	Element, oil filter, with gaskets (2 used)
12	.....	( - )	Screw, cap, high-strength, 7/16" x 1-1/4" (4 used)
	.....	( - )	Washer, lock, 7/16" (4 used)
13	15H 202	(-)	Elbow, street (2 used)
14	U 11754 U	(-)	Union, 45° adapter, clutch pump line to filter (2 used)
15	AR 29454 R	(-)	Line, flexible oil, clutch pump to filter (33-1/2" long)
16	AR 20206 R	(-)	Breather
17	29H 486	(-)	Nipple, clutch breather
18	15H 200	(-)	Elbow, street, clutch breather
19	AR 29465 R	(-)	Pump, clutch (see page 35-1 for parts)
20	AR 29456 R	(-)	Elbow, 45°, with lock, nut and washer, clutch pump to filter line to pump
21	R 29936 R	(-)	Packing, O-ring, clutch pump filter line to pump elbow (packed 2 in a pkg.)
22	R 47145	(-)	Packing, O-ring (3 used) (packed 2 in a pkg.)
23	R 29422 R	(-)	Flange, half (2 used)
24	.....	( - )	Screw, cap, high-strength, 1/2" x 1-3/8" (4 used)
	.....	( - )	Washer, lock, 1/2" (4 used)
25	R 29671 R	(-)	Stud (2 used) (sub. M2017T)
	.....	( - )	Washer, lock, 1/2" (2 used)
	.....	( - )	Nut, 1/2" (2 used)
26	.....	( - )	Screw, cap, high-strength, 1/2" x 1-1/2" (2 used)
	.....	( - )	Washer, lock, 1/2" (2 used)
27	R 37099 R	(-)	Line, flexible oil, clutch oil reservoir suction
28	15H 104	(-)	Elbow, 90° pipe, clutch oil return hose
29	29H 630	(-)	Nipple, pipe, clutch oil return hose
	AR 21841 R	(-)	Clamp, hose, clutch oil return hose nipple
30	AR 29889 R	(-)	Rod, clutch oil level, with cap
31	R 29893 R	(-)	Nipple, pipe
32	AR 29676 R	(-)	Line, flexible oil, clutch control valve bypass oil line (77" long)
33	AR 21999 R	(-)	Clamp, hose, transmission oil return hose (2 used)
34	R 37116 R	(-)	Hose, transmission oil return
35	29H 669	(-)	Nipple, pipe, transmission oil return hose
36	15H 624	(-)	Plug, pipe, clutch oil reservoir
37	.....	( - )	Screw, cap, high-strength, 3/8" x 1" (5 used)
38	.....	( - )	Screw, cap, high-strength, 3/8" x 1-1/4" (3 used)
	.....	( - )	Washer, lock, 3/8" (3 used)
39	AR 29886 R	(-)	Reservoir, clutch oil
40	R 30935 R	(-)	Adapter, straight (2 used)
41	AR 29463 R	(-)	Strainer, clutch oil reservoir, with screen
42	R 29889 R	(-)	Gasket, clutch oil reservoir strainer flange
43	R 29950 R	(-)	Gasket, clutch oil reservoir bottom cover
44	AR 29888 R	(-)	Cover, clutch oil reservoir bottom, with drain
45	F 3128 R	(-)	Plug, clutch oil reservoir bottom cover
46	A 3203 R	(-)	Washer, aluminum, clutch oil reservoir bottom cover (packed 2 in a pkg.)
47	.....	( - )	Screw, cap, high-strength, 7/16" x 1" (6 used)
	.....	( - )	Washer, lock, 7/16" (6 used)
48	R 29890 R	(-)	Flange, half (2 used)
49	D 488 R	(-)	Stud, clutch reservoir suction line flange halves to reservoir (2 used)
	.....	( - )	Nut, 1/2", clutch reservoir suction line stud (2 used)
	.....	( - )	Washer, lock, 1/2" (2 used)
50	28H 2063	(-)	Spacer, oil level rod pipe
51	A 2613 R	(-)	Clamp, oil level rod pipe
52	.....	( - )	Screw, cap, high-strength, 1/2" x 4"
	.....	( - )	Washer, lock, 1/2"
53	15H 496	(-)	Elbow, street, 90°
54	R 37064 R	(-)	Nipple, transmission filler

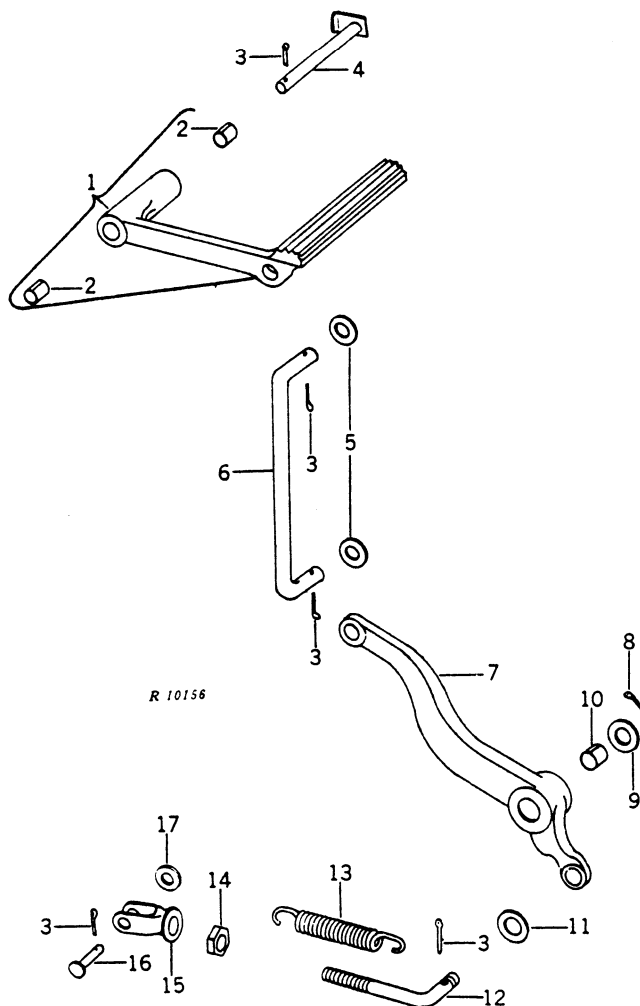
CLUTCH VALVE



CLUTCH VALVE -- Continued

Key	Part No.	Tractor Serial No.	Description
1	.....	( - )	Screw, cap, high-strength, 3/8" x 7/8" (4 used)
	.....	( - )	Washer, lock, 3/8" (4 used)
2	R 37240 R	(-)	Cover, valve housing
3	R 37248 R	(-)	Gasket, valve housing cover
4	R 37239 R	(-)	Housing, clutch valve
5	R 37250 R	(-)	Gasket, clutch valve housing
6	R 37242 R	(-)	Valve, clutch
7	.....	( - )	Pin, roll, 3/16" x 1"
8	R 26203 R	(-)	Spring, clutch valve
9	R 37244 R	(-)	Link, clutch valve
10	.....	( - )	Pin, roll, 3/16" x 1-1/4"
11	R 37245 R	(-)	Piston, clutch valve reaction
12	R 47144	(-)	Packing, O-ring, clutch valve reaction piston (packed 5 in a pkg.)
13	A 4730 R	(-)	Packing, O-ring, clutch valve reaction piston cover (packed 5 in a pkg.)
14	R 37241 R	(-)	Gasket, clutch reaction piston cover
15	R 37247 R	(-)	Cover, clutch valve reaction piston
16	AR 551 R	(-)	Seal, oil, clutch valve reaction piston cover (sub. A6010R)
17	.....	( - )	Screw, cap, high-strength, 3/8" x 3-1/4" (2 used)
	.....	( - )	Washer, lock, 3/8" (2 used)
18	R 37249 R	(-)	Clip, clutch pedal return spring
19	22H 801	(-)	Screw, set
20	.....	( - )	Nut, jam, 3/8" (2 used)
21	A 3098 R	(-)	Washer, aluminum, clutch relief valve spring screw (2 used) (packed 5 in a pkg.)
22	B 427 R	(-)	Nut, special, cap, clutch relief valve spring screw
23	.....	( - )	Screw, cap, high-strength, 3/8" x 2-5/8" (2 used)
	.....	( - )	Washer, lock, 3/8" (2 used)
24	R 26552 R	(-)	Ball, steel (2 used) (packed 2 in a pkg.)
25	R 30935 R	(-)	Adapter, straight, clutch valve to reservoir line
26	AR 29676 R	(-xxxxxx)	Line, flexible oil, clutch control valve by-pass (77-1/2" long)
	AR 29880	(xxxxxx-)	Line
27	R 29089 R	(-)	Retainer, clutch relief valve spring
28	R 1603 R	(-)	Pin, dowel, clutch relief valve spring (sub. H86612)
29	R 31682 R	(-)	Spring, clutch relief valve
30	R 37246 R	(-)	Valve, clutch relief
31	AR 29459 R	(-)	Union, adapter, 90°, clutch filter to control valve line to control valve
32	.....	( - )	Screw, cap, high-strength, 3/8" x 3-1/2" (4 used)
	.....	( - )	Washer, lock, 3/8" (4 used)
33	15H 600	(-)	Nipple, pipe
34	29H 210	(-)	Coupling, special pipe, clutch valve
35	AR 26725 R	(-)	Elbow, valve to transmission lube tube (sub. AT35121)
36	R 26448 R	(-)	Packing, O-ring (packed 5 in a pkg.)
37	AR 29882	(xxxxxx-)	Line
38	AR 29881	(xxxxxx-)	Tee assembly
39	AR 29883	(xxxxxx-)	Line

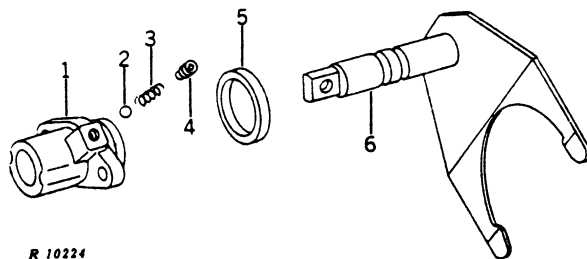
CLUTCH LINKAGE



Key	Part No.	Tractor Serial No.	Description
1	AR 29473 R	(-)	Pedal, clutch, with bushings
2	F 3125 R	(-)	Bushing (2 used)
3	.....	( - )	Pin, cotter, 1/8" x 1" (5 used)
4	AR 29474 R	(-)	Pin, clutch pedal pivot
5	R 1870 R	(-)	Washer (2 used)
6	R 29341 R	(-)	Link, clutch pedal
7	AR 29184 R	(-)	Bellcrank, with bushing
8	.....	( - )	Pin, cotter, 5/32" x 1"
9	24H 1336	(-)	Washer, 21/32" x 1-1/8" x .036"
10	R 653 R	(-)	Bushing
11	24H 1304	(-)	Washer, 13/32" x 23/32" x .120"
12	R 37010 R	(-)	Rod, clutch operating
13	R 27571 R	(-)	Spring
14	.....	( - )	Nut, jam, 3/8"
15	C 284 R	(-)	Yoke
16	C 1067 R	(-)	Pin
17	24H 1302	(-)	Washer, 12/32" x 11/16" x .036"

MEMORANDA

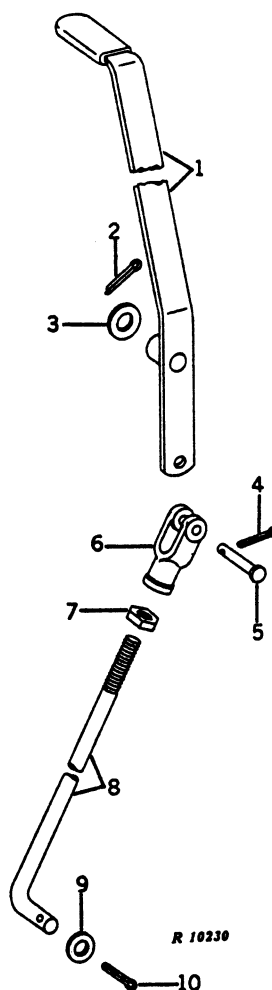
HYDRAULIC PUMP SHIFTER



R 10224

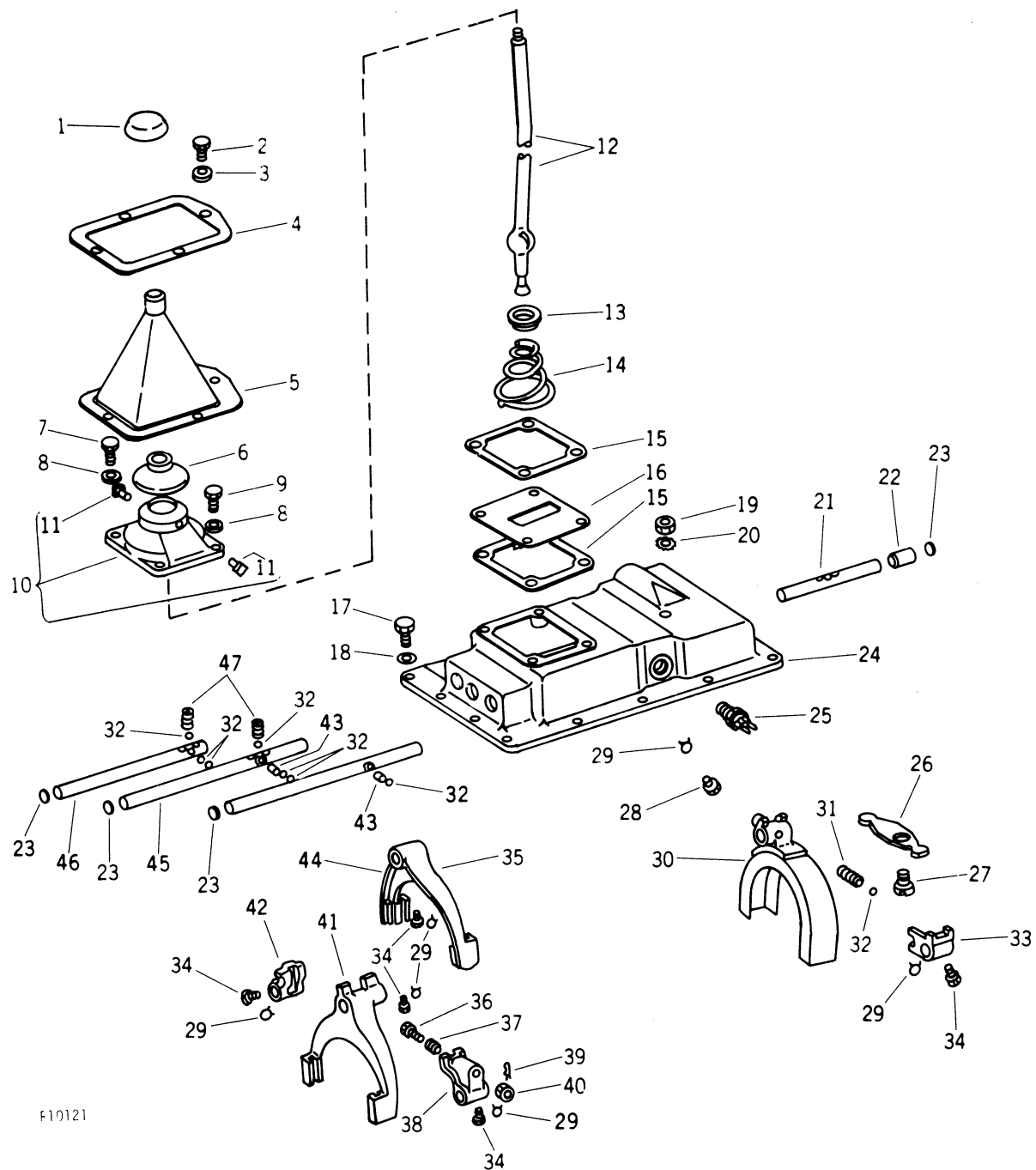
Key	Part No.	Tractor Serial No.	Description
1	R 37054 R	(-)	Quill, pump shifter shaft
2	405 R	(-)	Ball
3	R 21234 R	(-)	Spring
4	15H 559	(-)	Plug, pipe ctsc., 1/4"
5	R 47155	(-)	Ring, sealing
6	AR 29877 R	(-)	Shaft, shifter, with yoke

RANGE SHIFT LEVER



Key	Part No.	Tractor Serial No.	Description
1	AR 29955 R	(-)	Handle, range shifter, with grip
2	.....	( - )	Pin, cotter, 5/32" x 1"
3	24H 1394	(-)	Washer, 25/32" x 1-7/16" x .036"
4	.....	( - )	Pin, cotter, 1/8" x 1"
5	D 1994 R	(-)	Pin, headed
6	F 2508 R	(-)	Yoke
7	14H 480	(-)	Nut, jam, 5/8"
8	R 37059 R	(-)	Rod, range shifter
9	.....	( - )	Pin, cotter, 1/8" x 1"
10	24H 1139	(-)	Washer, 21/32" x 1-1/4" x .120"

TRANSMISSION CONTROL COVER WITH GEAR SHIFTER ASSEMBLY

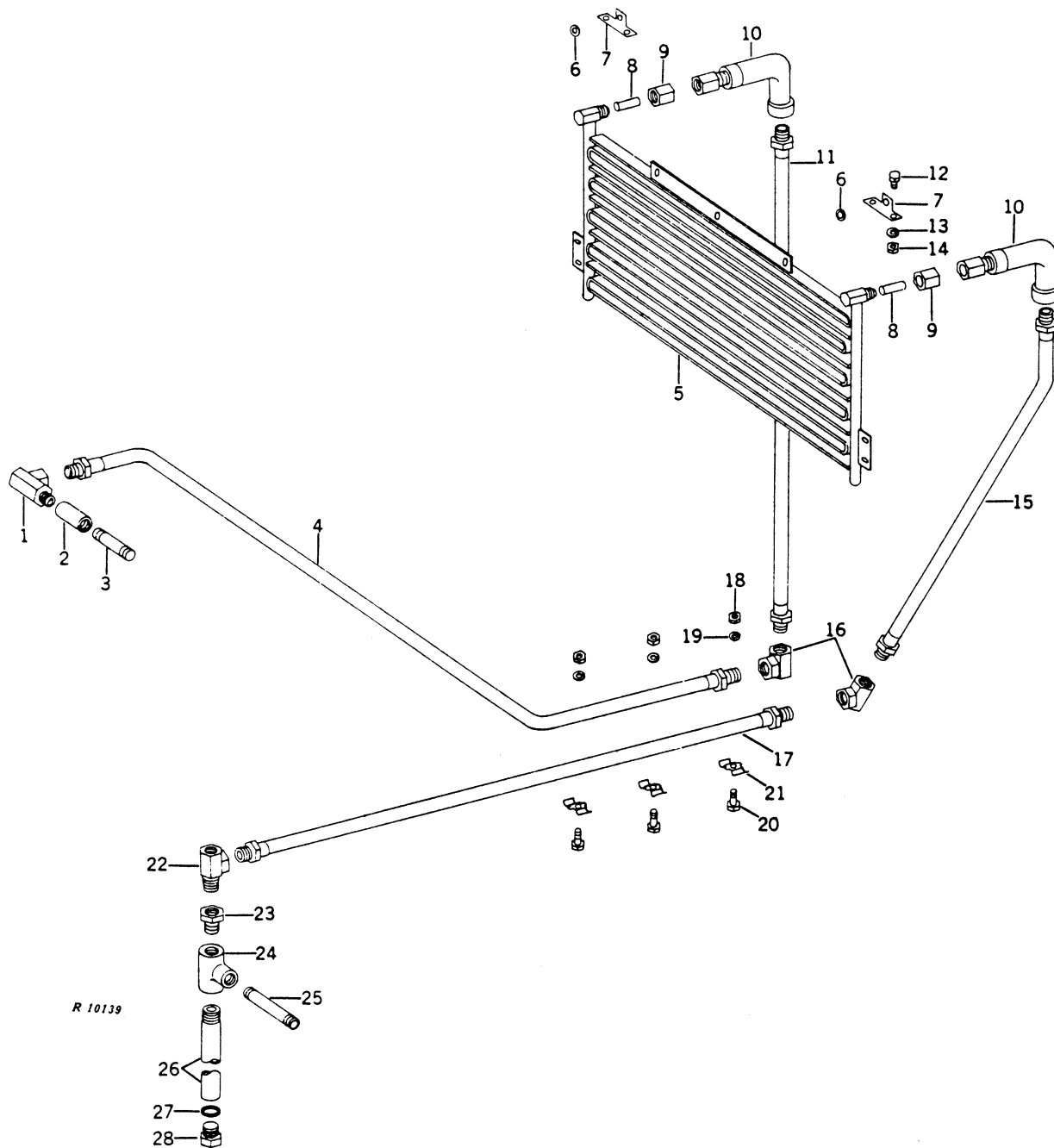


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TRANSMISSION CONTROL COVER WITH GEAR SHIFTER ASSEMBLY -- Continued

Key	Part No.	Tractor Serial No.	Description
1	R 31084 R	(-)	Knob, gear shift lever
2	21H 1162	(-)	Screw, special machine (4 used)
3	.....	( - )	Washer, lock (4 used)
4	R 31078 R	(-)	Ring, boot
5	R 37065 R	(-)	Boot
6	R 31083 R	(-)	Cover, dust
7	R 31091 R	(-)	Screw, special cap, front (2 used)
8	.....	( - )	Washer, lock, 3/8" (4 used)
9	R 31092 R	(-)	Screw, special cap, rear (2 used)
10	AR 29681 R	(-)	Top, control, with pins
11	R 31080 R	(-)	Pin, (2 used)
12	R 31079 R	(-)	Lever, gear shift
13	R 31081 R	(-)	Washer, gear shift lever seat
14	R 31082 R	(-)	Spring
15	R 31090 R	(-)	Gasket, control top (2 used)
16	R 31902 R	(-)	Baffle, control top
17	.....	( - )	Screw, cap, high-strength, 3/8" x 1" (14 used)
18	.....	( - )	Washer, lock, 3/8" (14 used)
19	.....	( - )	Nut, jam, 1/2"
20	.....	( - )	Washer, lock, 1/2", external tooth
21	R 29189 R	(-)	Bar, reverse gear shifter fork
22	R 37394 R	(-)	Spacer
23	30H 11	(-)	Plug, expansion (4 used)
24	R 31085 R	(-)	Housing, shift bar
25	AR 29125 R	(-)	Switch, neutral safety (sub. AH64759)
26	R 29185 R	(-)	Arm, reverse gear rocker
27	R 29186 R	(-)	Screw, special
28	R 29191 R	(-)	Screw, special set
29	.....	( - )	Wire (6 used)
30	R 37393 R	(-)	Fork, reverse gear shifter
31	R 29188 R	(-)	Spring
32	H 23846 H	(-)	Ball, steel (8 used)
33	R 29181 R	(-)	Lug, reverse gear rocker
34	L 1929 N	(-)	Screw, special set (5 used)
35	R 37389 R	(-)	Fork, first and second gear shifter
36	R 31088 R	(-)	Plunger, latch, reverse gear
37	R 31138 R	(-)	Spring, reverse gear plunger latch
38	R 37392 R	(-)	Lug, reverse gear shifter
39	.....	( - )	Pin, cotter, 1/16" x 1"
40	.....	( - )	Nut, castle, 5/16"
41	R 37387 R	(-)	Fork, third and fourth gear shifter
42	R 37390 R	(-)	Lug, first and second gear shifter
43	K 29192 R	(-)	Pin, shift interlock (2 used)
44	R 37391 R	(-)	Rod, reverse gear shifter
45	R 37386 R	(-)	Rod, third and fourth gear shifter
46	R 37388 R	(-)	Rod, first and second gear shifter
47	L 1925 N	(-)	Spring (2 used)

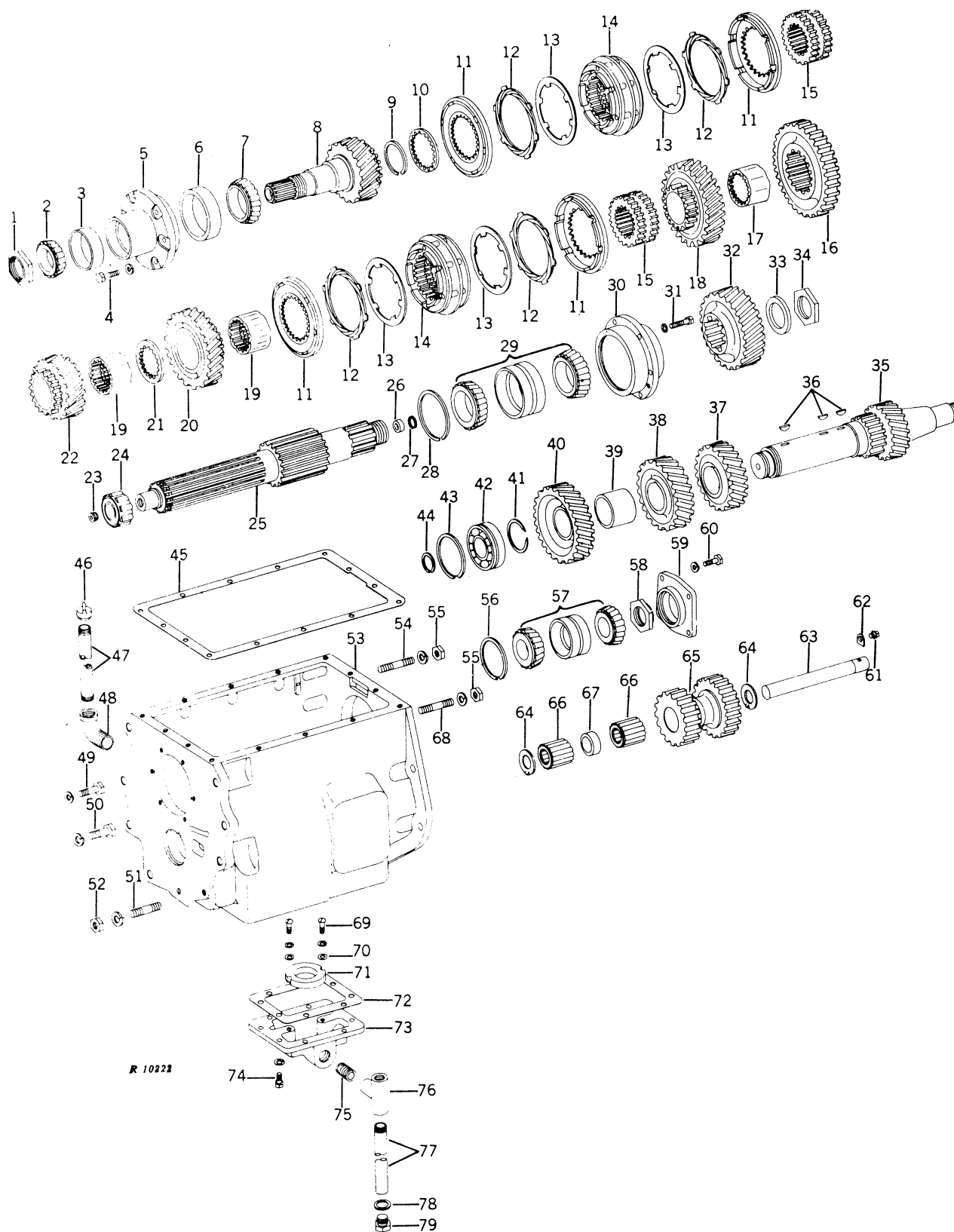
TRANSMISSION OIL COOLER



TRANSMISSION OIL COOLER -- Continued

Key	Part No.	Tractor Serial No.	Description
1	JD 172	(-)	Union, adapter, clutch control valve cover coupling
2	15H 600	(-)	Coupling, special pipe, clutch valve nipple
3	29H 210	(-)	Nipple, clutch valve
4	AA 4542 R	(-)	Line, flexible oil, 1/2" I.D. x 88", clutch cooler inlet
5	R 32055 R	(-)	Cooler, transmission oil
6	24H 1302	(-)	Washer, 13/32" x 3/4" x .036" (2 used)
7	.....	( - )	Clip, radiator screen top to radiator top tank (2 used)
8	R 32057 R	(-)	Tube, cooler inlet and outlet (2 used)
9	R 32056 R	(-)	Nut, 45° flare, cooler inlet and outlet (2 used)
10	R 32058 R	(-)	Elbow, 45° flare, cooler inlet and outlet (2 used)
11	AU 10723 U	(-)	Line, flexible, oil cooler inlet, 1/2" I.D. x 42"
12	.....	( - )	Screw, cap, high-strength, 5/16" x 1/2", radiator screen top clip to radiator screen (4 used)
13	.....	( - )	Washer, lock, 5/16" (4 used)
14	.....	( - )	Nut, hex., 5/16", radiator screen top clip to radiator screen screw (4 used)
15	AU 11701 U	(-)	Line, flexible oil, 1/2" I.D. x 52", cooler outlet (sub. AU10321)
16	U 12987 U	(-)	Union, 90° adapter, cooler inlet and outlet lines (2 used)
17	AU 10853 U	(-)	Line, flexible oil, 1/2" I.D. x 96" transmission inlet (No longer available)
18	.....	( - )	Nut, hex., 1/4" (3 used)
19	.....	( - )	Washer, lock, 1/4" (3 used)
20	.....	( - )	Screw, cap, 1/4" x 1-1/2", transmission inlet line and clutch line clamp screw (3 used)
21	F 1682 R	(-)	Clamp, half, transmission inlet line and clutch line (3 used)
22	JD 172	(-)	Union, adapter, transmission inlet line to bushing
23	15H 565	(-)	Bushing, pipe, union adapter to tee
24	15H 535	(-)	Tee, pipe, transmission inlet and drain
25	29H 488	(-)	Nipple, pipe, transmission sump inlet
26	R 30455 R	(-)	Pipe, transmission drain
27	A 4827 R	(-)	Washer, special aluminum, transmission drain pipe plug
28	F 3128 R	(-)	Plug, transmission drain pipe

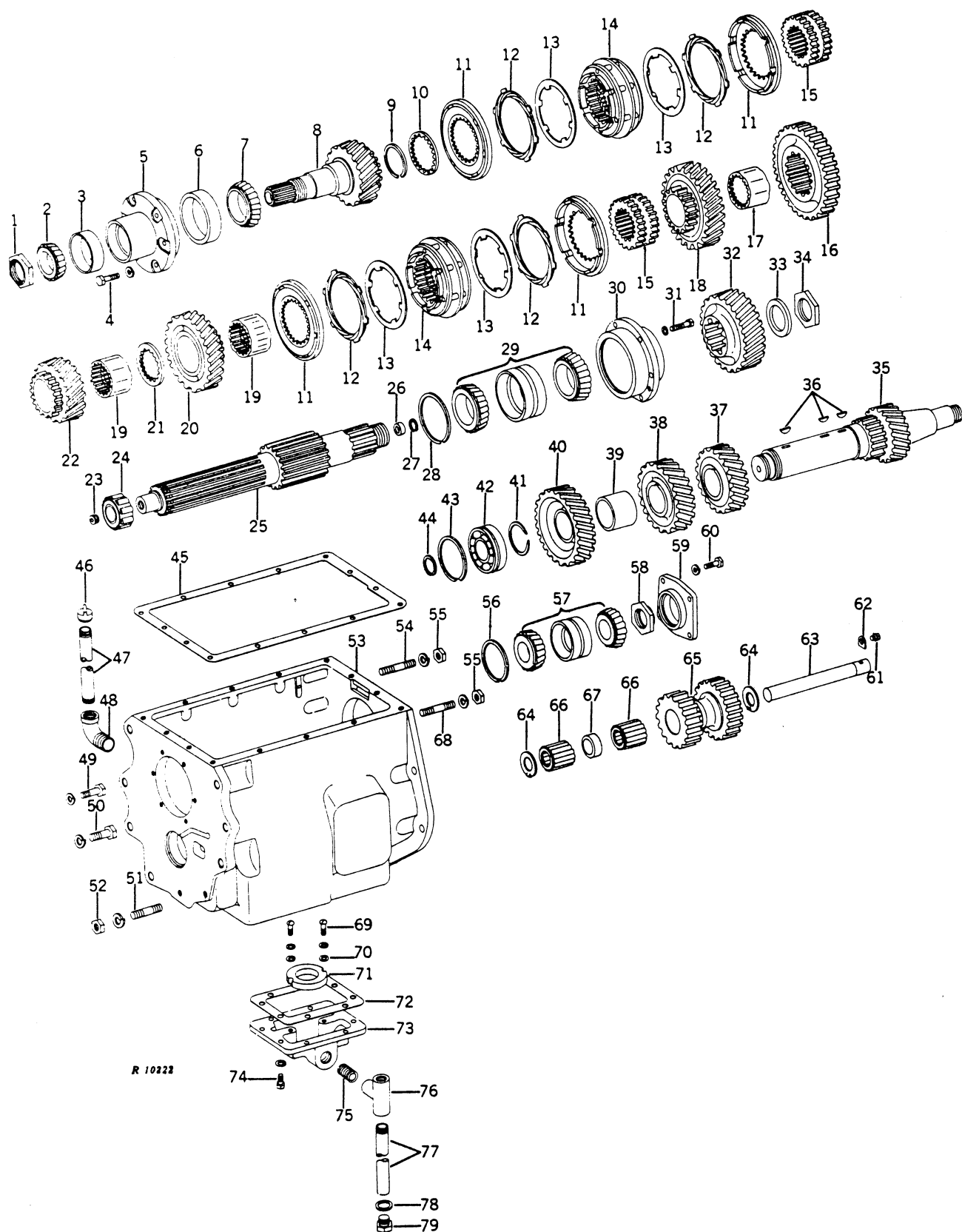
TRANSMISSION



TRANSMISSION -- Continued
(For keys 63 through 79, see page 40-11)

Key	Part No.	Tractor Serial No.	Description
1	R 37306 R	(-)	Nut, lock
2	JD 8993	(-)	Cone, taper roller bearing
3	JD 8273	(-)	Cup, taper roller bearing
4	R 31198 R	(-)	Screw, special cap (6 used)
	.....	( - )	Washer, lock, 3/8" (6 used)
5	R 37305 R	(-)	Cap, main drive gear bearing
6	JD 7417	(-)	Cup, taper roller bearing
7	JD 8158	(-)	Cone, taper roller bearing
8	R 37304 R	(-)	Gear, main drive
9	R 37325 R	(-)	Ring, snap (.086-.083)
	R 37326 R	(-)	Ring, snap (.091-.088)
	R 37327 R	(-)	Ring, snap (.096-.093)
	R 37328 R	(-)	Ring, snap (.101-.098)
	R 37329 R	(-)	Ring, snap (.106-.103)
10	R 37324 R	(-)	Washer, mainshaft shift hub retainer
11	R 37318 R	(-)	Support, synchronizer, and drum assembly (4 used)
12	R 37320 R	(-)	Disk, synchronizer, outer (12 used)
13	R 37319 R	(-)	Disk, synchronizer, inner (8 used)
14	R 37317 R	(-)	Synchronizer, mainshaft, assembly (2 used)
15	R 37315 R	(-)	Sleeve, mainshaft shift hub
16	R 37312 R	(-)	Gear, mainshaft reverse
17	R 37313 R	(-)	Bushing, gear
18	R 37314 R	(-)	Gear, mainshaft fluted
19	R 37316 R	(-)	Bushing, mainshaft 2nd and 3rd gear fluted
20	R 37321 R	(-)	Gear, mainshaft 2nd
21	R 37322 R	(-)	Washer, mainshaft, gear retainer
22	R 37323 R	(-)	Gear, mainshaft, 3rd
23	R 37308 R	(-)	Plug, pipe, main shaft
24	AR 29129 R	(-)	Race and roller assembly straight roller bearing inner
25	R 37307 R	(-)	Shaft, main
26	R 37309 R	(-)	Seal, oil
27	R 37311 R	(-)	Snap ring
28	R 29988 R	(-)	Snap ring
29	AR 29477 R	(-)	Bearing, mainshaft rear
30	R 37330 R	(-)	Cap, bearing, mainshaft rear
31	R 37331 R	(-)	Screw, cap, rear bearing (6 used)
32	R 37332 R	(-)	Gear, mainshaft drop
33	R 37333 R	(-)	Washer
34	R 37335 R	(-)	Nut
35	R 37336 R	(-)	Countershaft
36	26H 95	(-)	Key, woodruff (3 used)
37	R 37337 R	(-)	Gear, countershaft 2nd
38	R 37338 R	(-)	Gear, countershaft 3rd
39	R 37339 R	(-)	Spacer, countershaft drive gear
40	R 37340 R	(-)	Gear, countershaft drive
41	R 37341 R	(-)	Snap ring
42	R 37342 R	(-)	Bearing, straight roller
43	R 37343 R	(-)	Snap ring
44	R 39864 R	(-)	Snap ring
45	R 29196 R	(-)	Gasket, shift bar housing
46	A 4233 R	(-)	Cap, oil filler
	A 4235 R	(-)	Gasket (packed 2 in a pkg.)
47	R 37064 R	(-)	Nipple, transmission filler
48	15H 496	(-)	Elbow, street, 90°
49	.....	( - )	Screw, cap, high-strength, 1/2" x 1-1/2" (10 used)
	.....	( - )	Lock washer, 1/2" (10 used)
50	.....	( - )	Screw, cap, high-strength, 5/8" x 1-1/2" (2 used)
	.....	( - )	Lock washer, 5/8" (4 used)
51	F 338 R	(-)	Stud, at bottom (2 used)
52	.....	( - )	Nut, hex., 5/8" (2 used)
53	R 37310 R	(-)	Case, transmission (do not stock)
54	R 31128 R	(-)	Stud, 9/16" x 2-15/16" (6 used)
55	.....	( - )	Washer, lock, 9/16" (8 used)
	.....	( - )	Nut, hex., 9/16" (8 used)
56	R 37344 R	(-)	Ring, snap
57	R 37345 R	(-)	Bearing, countershaft rear
58	L 1942 N	(-)	Locknut, countershaft bearing
59	R 37346 R	(-)	Cap, countershaft rear bearing
60	D 1843 R	(-)	Screw, special cap (sub. BP12088)
61	.....	( - )	Washer, lock, 3/8"
	.....	( - )	Screw, cap, high-strength, 3/8" x 3/4"
62	R 29147 R	(-)	Lock, reverse idler shaft

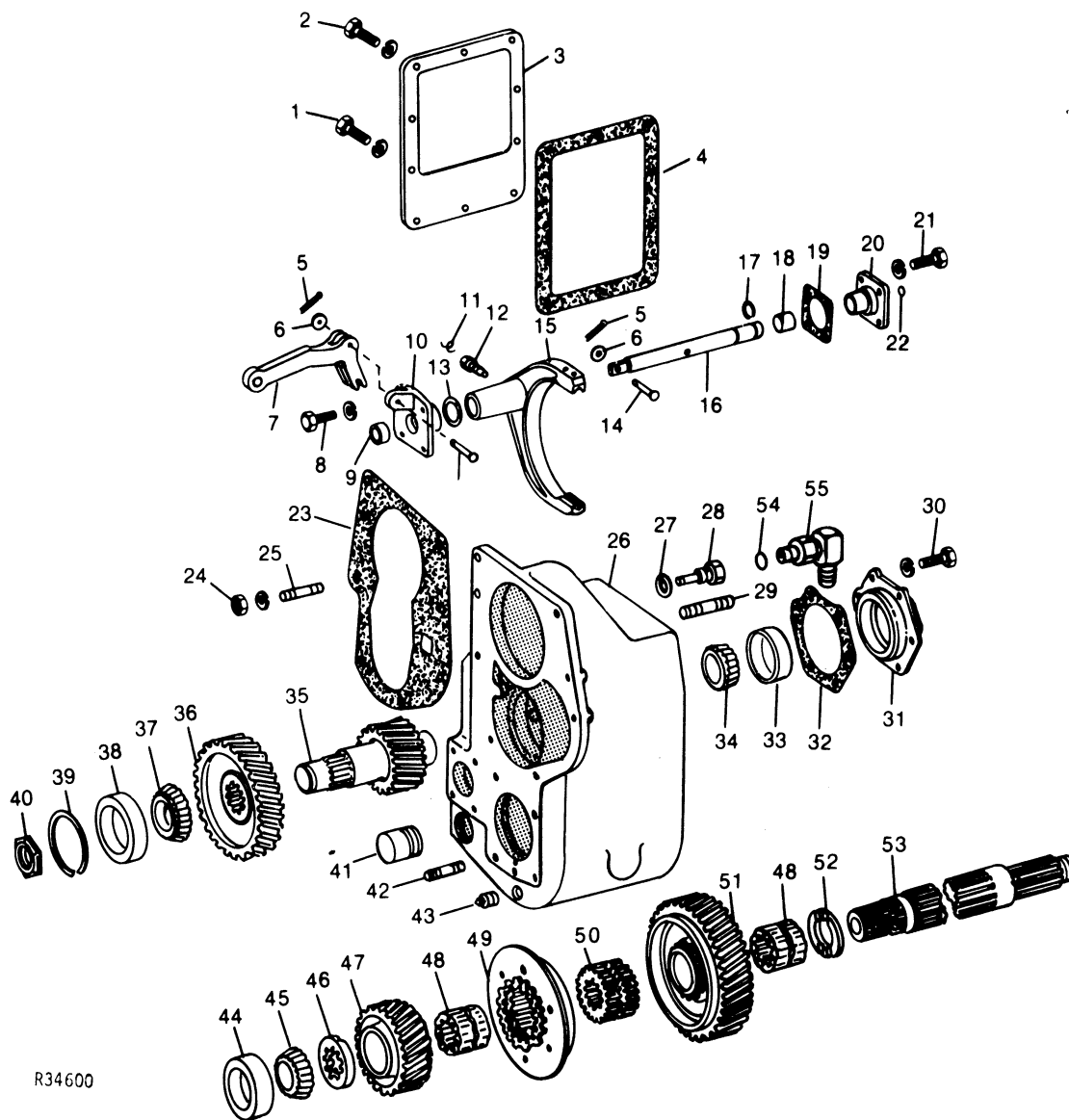
TRANSMISSION -- Continued



TRANSMISSION -- Continued
(For Keys 1 through 62, See Page 40-9)

Key	Part No.	Tractor Serial No.	Description
63	R 29146 R	(-)	Shaft, reverse idler
64	R 31139 R	(-)	Washer, thrust (2 used)
65	R 37347 R	(-)	Gear, reverse idler
66	JD 7916	(-)	Bearing, straight roller assembly (2 used)
67	R 29148 R	(-)	Spacer, reverse idler bearing
68	R 37303 R	(-)	Stud, 9/16" x 2-7/8" (2 used)
69	21H 1147	(-)	Screw, machine (2 used)
	.....	( - )	Washer, lock no. 10 (2 used)
70	24H 1283	(-)	Washer (2 used) 7/32" x 1/2" x .048"
71	R 30449 R	(-)	Magnet, transmission case sump cover
72	R 30448 R	(-)	Gasket, transmission case sump cover
73	R 30447 R	(-)	Cover, transmission case sump
74	.....	( - )	Screw, cap, high-strength, 3/8" x 1" (8 used)
	.....	( - )	Washer, lock, 3/8" (8 used)
75	29H 488	(-)	Nipples pipe, transmission sump inlet
76	15H 535	(-)	Tee, pipe, transmission inlet and drain
77	R 30455 R	(-)	Pipe, transmission drain
78	A 4827 R	(-)	Washer (packed 2 in a pkg.)
79	F 3128 R	(-)	Plug

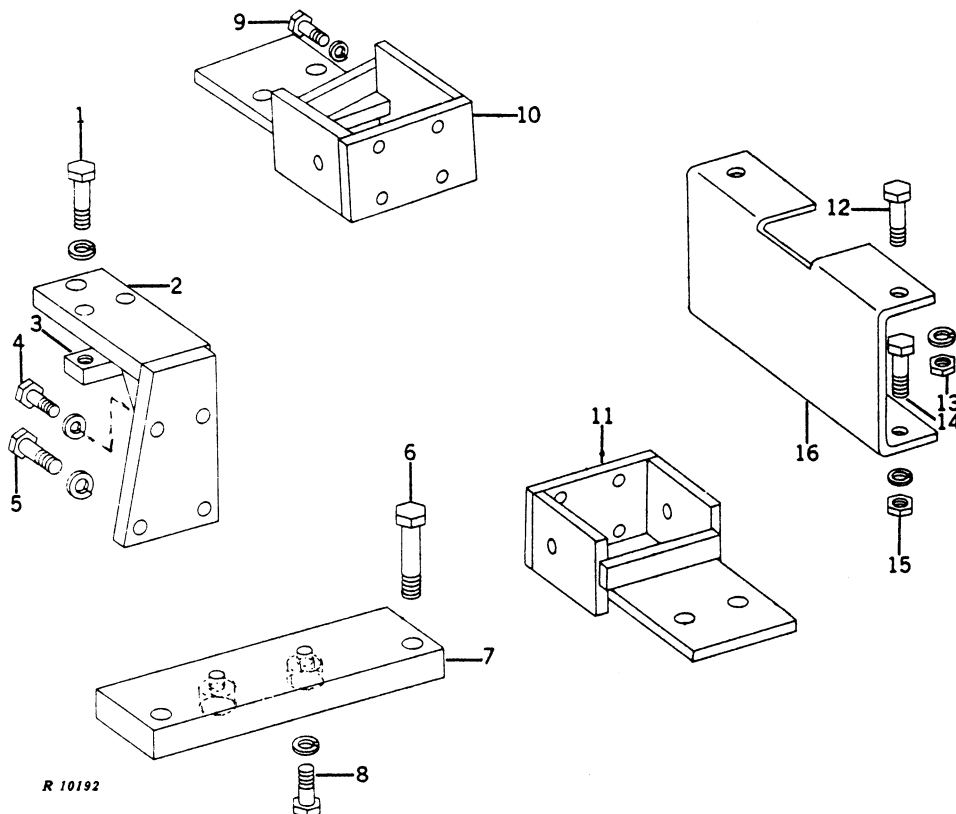
TRANSMISSION DROP HOUSING AND GEAR ASSEMBLY



TRANSMISSION DROP HOUSING AND GEAR ASSEMBLY -- Continued

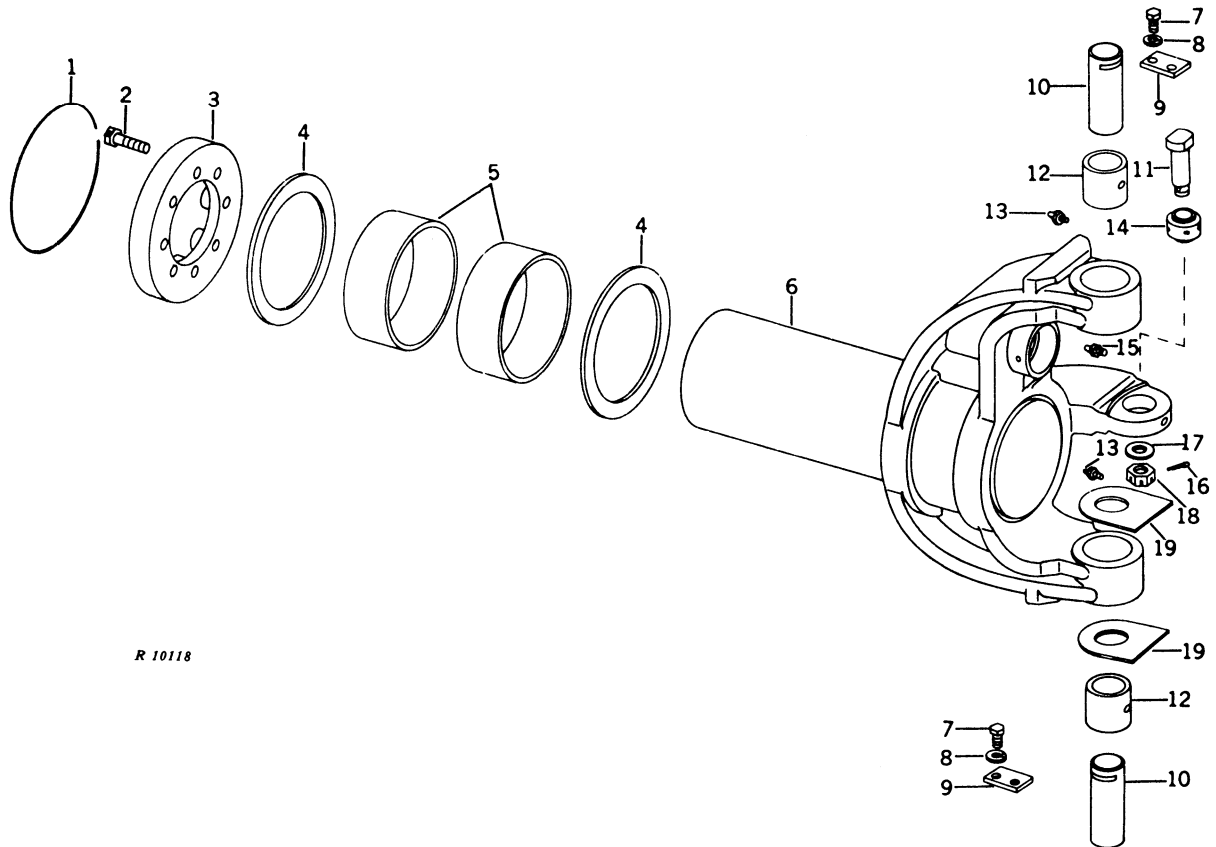
Key	Part No.	Tractor Serial No.	Description
1	.....	( - )	Screw, cap, 3/8" x 1-1/8", in blind holes (8 used)
2	R 31198 R	(-)	Washer, lock, 3/8" (8 used)
	.....	( - )	Screw, cap, special (2 used) (sub. R46567)
3	R 29256 R	(-)	Washer, lock, (2 used)
4	R 29257 R	(-)	Cover, range control
5	.....	( - )	Gasket, range control cover
6	24H 1305	(-)	Pin, cotter, 1/8" x 3/4" (2 used)
7	R 37058 R	(-)	Washer, 13/32" x 13/16" x .060" (2 used)
8	.....	( - )	Fork, range shifter
	.....	( - )	Screw, cap, high-strength, 5/16" x 1" (4 used)
9	AR 26616 R	(-)	Washer, lock, 5/16" (4 used)
10	R 37398 R	(-)	Seal, oil
11	.....	( - )	Cap, shift rod
12	R 29261 R	(-)	Wire
13	R 26282 R	(-)	Screw, shifter fork lock
14	F 2353 R	(-)	Packing, O-ring
15	AR 29162 R	(-)	Pin, special headed (2 used)
16	R 37395 R	(-)	Ford, range shifter, with bushings and rivets
17	R 37396 R	(-)	Rod, range shift
18	R 29262 R	(-)	Snap ring
19	R 29263 R	(-)	Spacer, range shifter fork
20	R 37397 R	(-)	Gasket, shifter rod adapter
21	.....	( - )	Adapter, shift rod
	.....	( - )	Screw, cap, high-strength, 5/16" x 1" (4 used)
22	30H 15	(-)	Washer, lock, 5/16" (4 used)
23	R 37371 R	(-)	Plug, expansion
24	.....	( - )	Shim, steel
	.....	( - )	Nut, 9/16" (6 used)
25	R 31128 R	(-)	Washer, lock, 9/16" (6 used)
26	R 37348 R	(-)	Stud (6 used)
27	A 4827 R	(-)	Housing, drop (do not stock)
28	R 37372 R	(-)	Washer, aluminum (packed 2 in a pkg.)
29	M 2017 T	(-)	Adapter, mainshaft lube
30	R 31092 R	(-)	Stud (2 used)
	.....	( - )	Screw, special cap (6 used)
31	R 37353 R	(-)	Washer, 3/8", lock (6 used)
32	R 37354 R	(-)	Cap, intermediate shaft bearing
	R 37355 R	(-)	Shim, .004", intermediate shaft bearing cap
	R 37356 R	(-)	Shim, .007", intermediate shaft bearing cap
	R 37357 R	(-)	Shim, .010", intermediate shaft bearing cap
		(-)	Shim, .012", intermediate shaft bearing cap
33	JD 7444	(-)	Cup, bearing
34	JD 8140	(-)	Cone, with rollers
35	R 37349 R	(-)	Shaft, intermediate
36	R 37350 R	(-)	Gear, intermediate shaft drive
37	JD 8120	(-)	Cone, with rollers
38	JD 7435	(-)	Cup, bearing
39	R 37351 R	(-)	Snap ring
40	R 37352 R	(-)	Nut, intermediate shaft
41	29H 669	(-)	Nipple
42	R 37303 R	(-)	Stud (2 used)
43	15H 620	(-)	Plug, pipe, 1"
44	JD 7444	(-)	Cup, bearing
45	JD 8140	(-)	Cone, with rollers
46	R 37363 R	(-)	Washer, output shaft hi gear thrust
47	R 37362 R	(-)	Gear, output shaft hi
48	R 37359 R	(-)	Sleeve, fluted, output shaft hi and lo gear (2 used)
49	R 37361 R	(-)	Hub, hi-lo shift
50	R 29253 R	(-)	Sleeve, hub, output shaft hi and lo
51	R 37360 R	(-)	Gear, output shaft lo
52	R 37364 R	(-)	Washer, thrust, lo gear
53	R 37358 R	(-)	Shaft, output, with bushing
54	R 26448	(-)	O-ring
55	AT 35121	(-)	Elbow, 90°

ENGINE AND CLUTCH HOUSING SUPPORTS, TRANSMISSION BOTTOM AND ENGINE SHIELDS



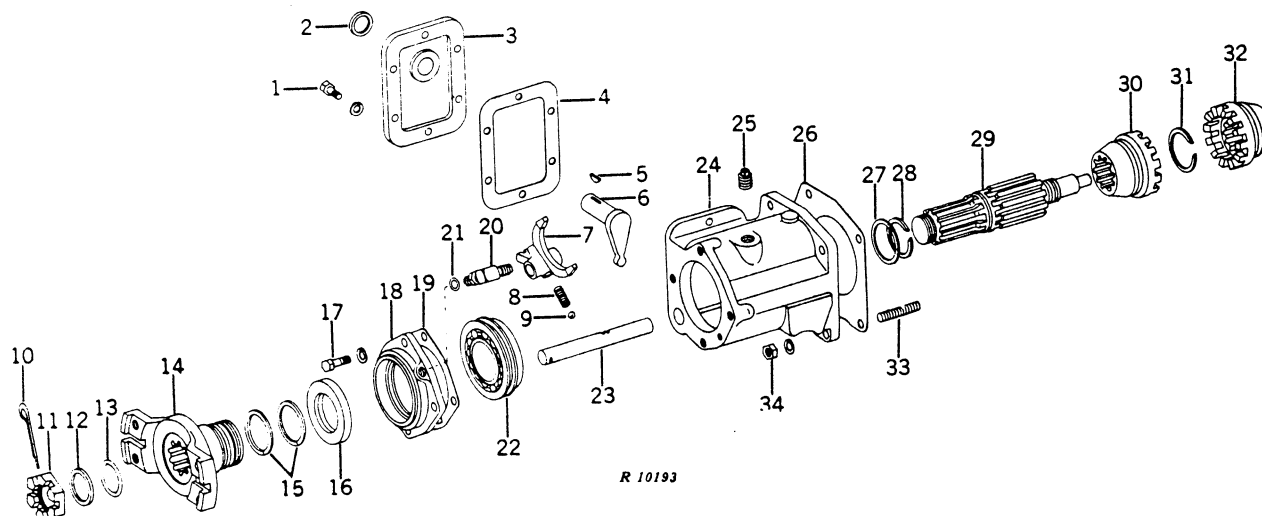
Key	Part No.	Tractor Serial No.	Description
1	.....	( - )	Screw, cap, high-strength, 5/8" x 2" (2 used)
	.....	( - )	Washer, lock, 5/8" (2 used)
2	AR 29949 R	(-)	Bracket, clutch support
3	R 37281 R	(-)	Retainer, clutch housing
4	.....	( - )	Screw, cap, high-strength, 1/2" x 1-1/2" (2 used)
	.....	( - )	Washer, lock, 1/2" (2 used)
5	.....	( - )	Screw, cap, high-strength, 5/8" x 2" (2 used)
	.....	( - )	Washer, lock, 5/8" (2 used)
6	.....	( - )	Screw, cap, high-strength, 3/4" x 3" (2 used)
	.....	( - )	Washer, lock, 3/4" (2 used)
7	R 37265 R	(-)	Strap, clutch housing support
8	.....	( - )	Screw, cap, high-strength, 5/8" x 1-1/2" (2 used)
	.....	( - )	Washer, lock, 5/8" (2 used)
9	.....	( - )	Screw, cap, high-strength, 1/2" x 1-3/8" (8 used)
	.....	( - )	Washer, lock, 1/2" (8 used)
10	AR 29957 R	(-)	Support, engine rear, L.H.
11	AR 29064 R	(-)	Support, engine rear, R.H.
12	.....	( - )	Screw, cap, high-strength, 5/8" x 2" (2 used)
	.....	( - )	Washer, lock, 5/8"
13	.....	( - )	Nut, 5/8" (2 used)
14	.....	( - )	Screw, cap, high-strength, 5/8" x 1-3/4" (2 used)
	.....	( - )	Washer, lock, 5/8" (2 used)
15	.....	( - )	Nut, 5/8" (2 used)
16	R 29026 R	(-)	Spacer, engine support
Parts listed below are not illustrated.			
	AR 29322 R	(-)	Shield, engine bottom (do not stock)
	.....	( - )	Screw, cap, 5/8" x 2", engine bottom shield to front frame (8 used)
	.....	( - )	Washer, lock, 5/8" (8 used)
	AR 29323 R	(-)	Shield, transmission bottom (do not stock)
	.....	( - )	Screw, cap, 5/8" x 2", transmission bottom shield to front frame (8 used)
	.....	( - )	Washer, lock, 5/8" (8 used)
	R 30456 R	(-)	Cover, transmission bottom shield
	.....	( - )	Screw, cap, 1/2" x 1-1/4", bottom shield cover to transmission bottom shield (6 used)
	.....	( - )	Washer, lock, 1/2" (6 used)

YOKE WITH GUDGEON



Key	Part No.	Tractor Serial No.	Description
1	.....	( - )	Wire, 14 gauge x 45"
2	R 29125 R	(-)	Screw, cap, special (8 used)
3	R 29121 R	(-)	Retainer, gudgeon
4	R 29122 R	(-)	Washer, thrust (as required)
	R 29124 R	(-)	Washer, thrust (as required)
	R 31154 R	(-)	Washer, thrust (as required)
5	R 29594 R	(-)	Bushing (2 used)
6	AR 29872 R	(-)	Yoke and gudgeon, with pin bushings (do not stock)
7	.....	( - )	Screw, cap, 1/2" x 1-3/8" (4 used)
8	.....	( - )	Washer, lock, 1/2" (4 used)
9	R 29127 R	(-)	Plate, lock (2 used)
10	R 29126 R	(-)	Pin, yoke to frame (2 used)
11	R 29336 R	(-)	Pin
12	R 29123 R	(-)	Bushing, yoke pin (2 used)
13	JD 7759	(-)	Fitting, grease (4 used)
14	AR 29122 R	(-)	Bushing, self-aligning
15	JD 7782	(-)	Fitting, grease
16	.....	( - )	Pin, cotter, 3/16" x 2"
17	A 133 R	(-)	Washer
18	.....	( - )	Nut, special slotted, 1"
19	R 37043 R	(-)	Washer, gudgeon yoke (2 used)

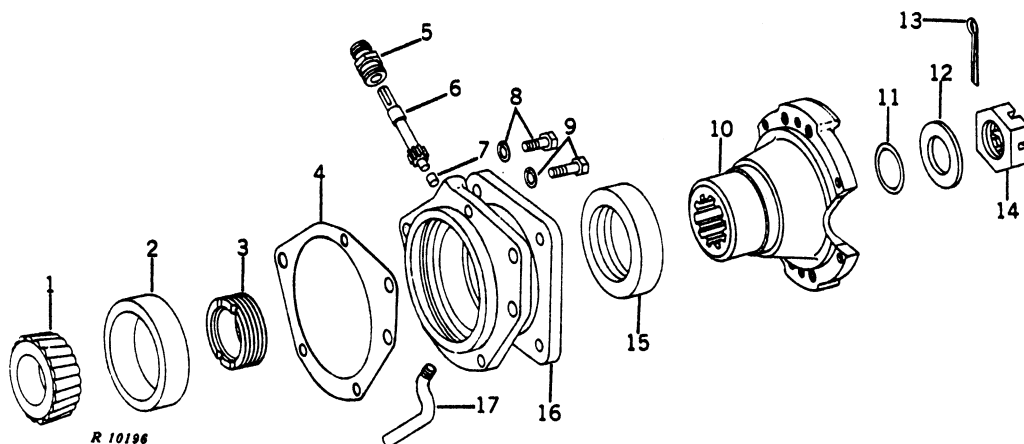
FRONT WHEEL DRIVE



R 10193

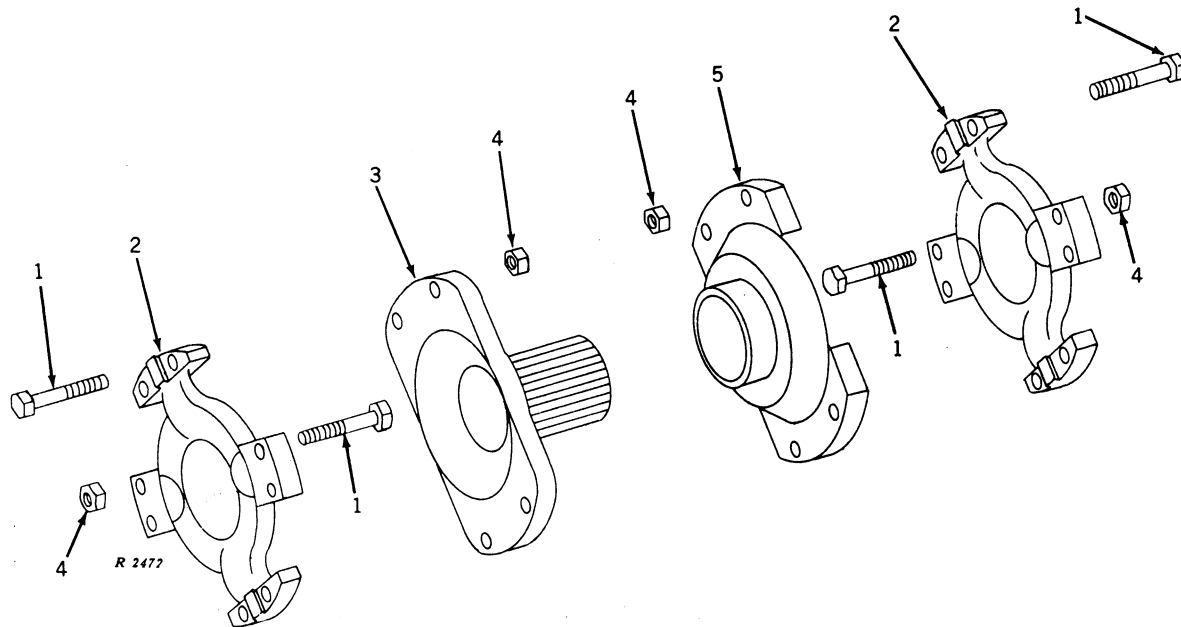
Key	Part No.	Tractor Serial No.	Description
1	.....	( - )	Screw, cap, high-strength, 3/8" x 1-1/8"
2	.....	( - )	Washer, lock, 3/8"
3	AR 29165 R	(-)	Seal, oil
4	R 29281 R	(-)	Cover, front output shaft housing
5	R 29282 R	(-)	Gasket, front output shaft housing
6	26H 7	(-)	Key, woodruff
7	R 29280 R	(-)	Arm, shift lever
8	R 29278 R	(-)	Fork, shifter
9	R 29279 R	(-)	Spring
10	H 23836 H	(-)	Ball
11	.....	( - )	Pin, cotter, 1/8" x 2"
12	R 37384 R	(-)	Nut, flange
13	R 37383 R	(-)	Washer
14	B 3685 R	(-)	Packing, O-ring (packed 2 in a pkg.)
15	R 37381 R	(-)	Flange, front disconnect
16	R 37382 R	(-)	Ring, sealing (2 used)
17	R 37380 R	(-)	Seal, oil
18	19H 218	(-)	Screw, cap, high-strength, 3/8" x 1" (4 used)
19	12H 304	(-)	Washer, lock, 3/8" (4 used)
20	R 37379 R	(-)	Cap, output shaft bearing
21	R 29274 R	(-)	Gasket, output shaft bearing
22	AR 26725 R	(-)	Elbow, 90° adjustable (sub. AT35121)
23	R 26448 R	(-)	Packing, O-ring (packed 5 in a pkg.)
24	R 37378 R	(-)	Bearing, output shaft
25	R 29277 R	(-)	Rail, shifter
26	R 37373 R	(-)	Housing, disconnect
27	15H 585	(-)	Plug, pipe, 3/4"
28	R 37374 R	(-)	Gasket, disconnect housing
29	R 37377 R	(-)	Ring, bearing retainer
30	R 30029 R	(-)	Snap ring
31	R 37376	(-)	Shaft, output, disconnect assembly
32	R 37385 R	(-)	Gear, disconnect, output shaft
33	R 30030 R	(-)	Snap ring
34	R 29276 R	(-)	Sleeve
	R 37375 R	(-)	Stud (6 used)
	.....	( - )	Nut, hex., 1/2"
	.....	( - )	Washer, lock, 1/2"

REAR WHEEL DRIVE AND SPEEDOMETER DRIVE



Key	Part No.	Tractor Serial No.	Description
1	JD 8994	(-)	Cone, with rollers
2	JD 7435	(-)	Cup, bearing
3	R 39526	(-)	Gear, speedometer drive
4	R 37366 R	(-)	Shim, .004"
	R 37368 R	(-)	Shim, .010"
	R 37369 R	(-)	Shim, .020"
5	R 29139 R	(-)	Nut, speedometer tube
6	R 29137 R	(-)	Gear, speedometer driven
7	R 29975 R	(-)	Bushing
8	.....	( - )	Screw, cap, high-strength, 3/8" x 1-1/2" (3 used)
	.....	( - )	Washer, lock, 3/8" (3 used)
9	.....	( - )	Screw, cap, high-strength, 5/8" x 1-3/4" (3 used)
	.....	( - )	Washer, lock, 5/8" (3 used)
10	R 37399 R	(-)	Flange, brake drum
11	F 1056 R	(-)	Packing, O-ring (packed 5 in a pkg.)
12	R 37370 R	(-)	Washer, flange
13	.....	( - )	Pin, cotter, 1/8" x 3"
14	R 29245 R	(-)	Nut, special slotted
15	AR 29124 R	(-)	Seal, oil
16	R 37365 R	(-)	Cap, output shaft rear bearing
17	R 30850 R	(-)	Tube, output shaft retainer

FRONT DRIVE YOKES AND UNIVERSALS

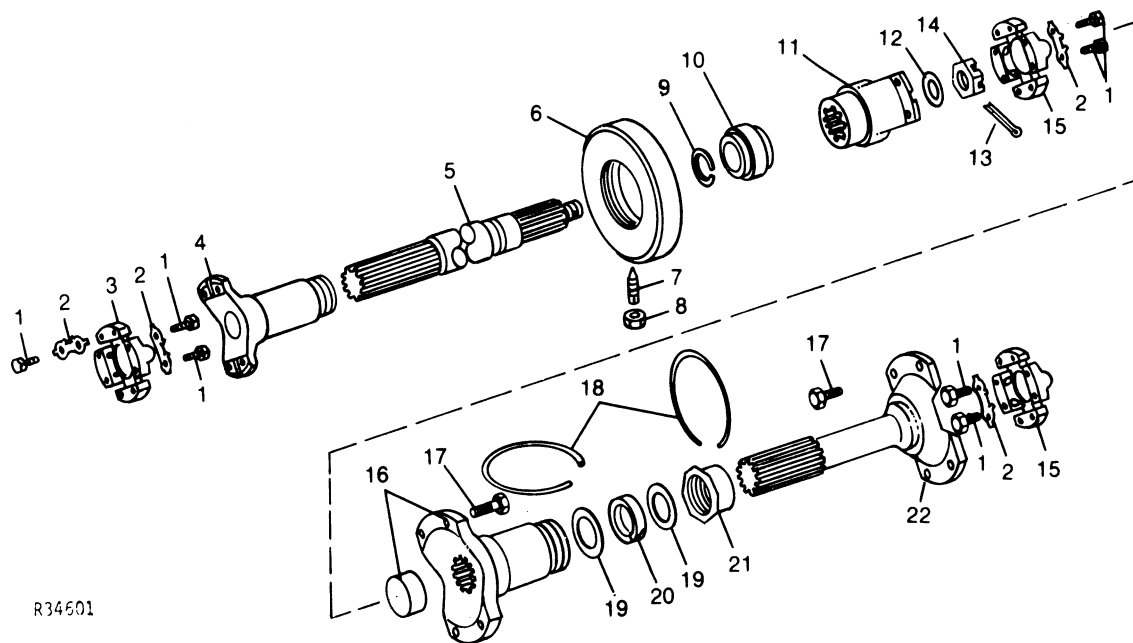


Key	Part No.	Tractor Serial No.	Description
1	R 30615 R	(-)	Screw, cap (16 used)
2	AR 29646 R	(-)	Joint, universal (2 used)
3	AR 29645 R	(-)	Yoke and stub end
4	.....	( - )	Nut, hex., 1/2" (16 used)
5	R 30614 R	(-)	Yoke, slip

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

.. AR 29070 R (-) Drive, assembly, front

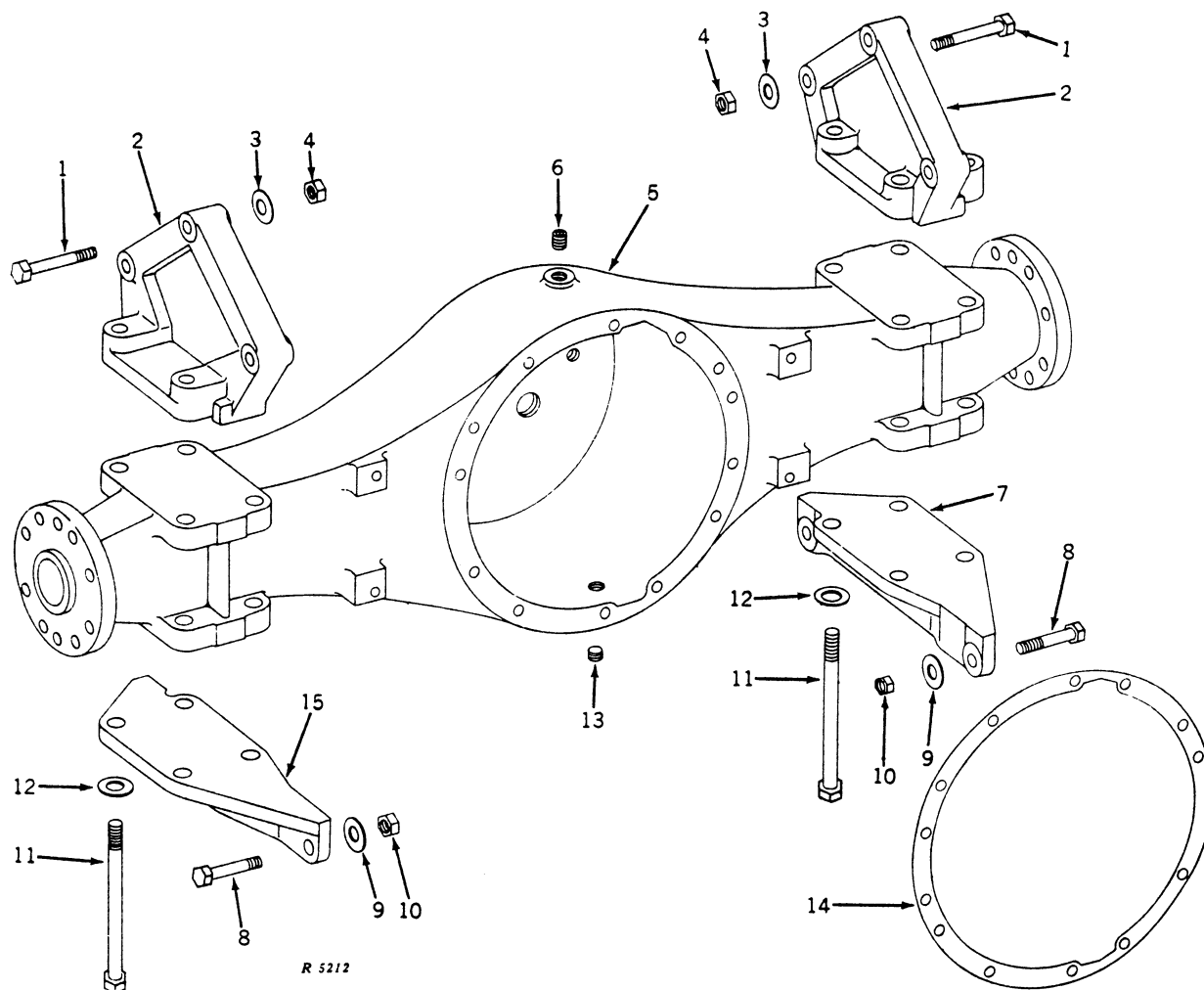
REAR DRIVE SHAFT, AND CENTER DRIVE YOKES AND UNIVERSALS



R34601

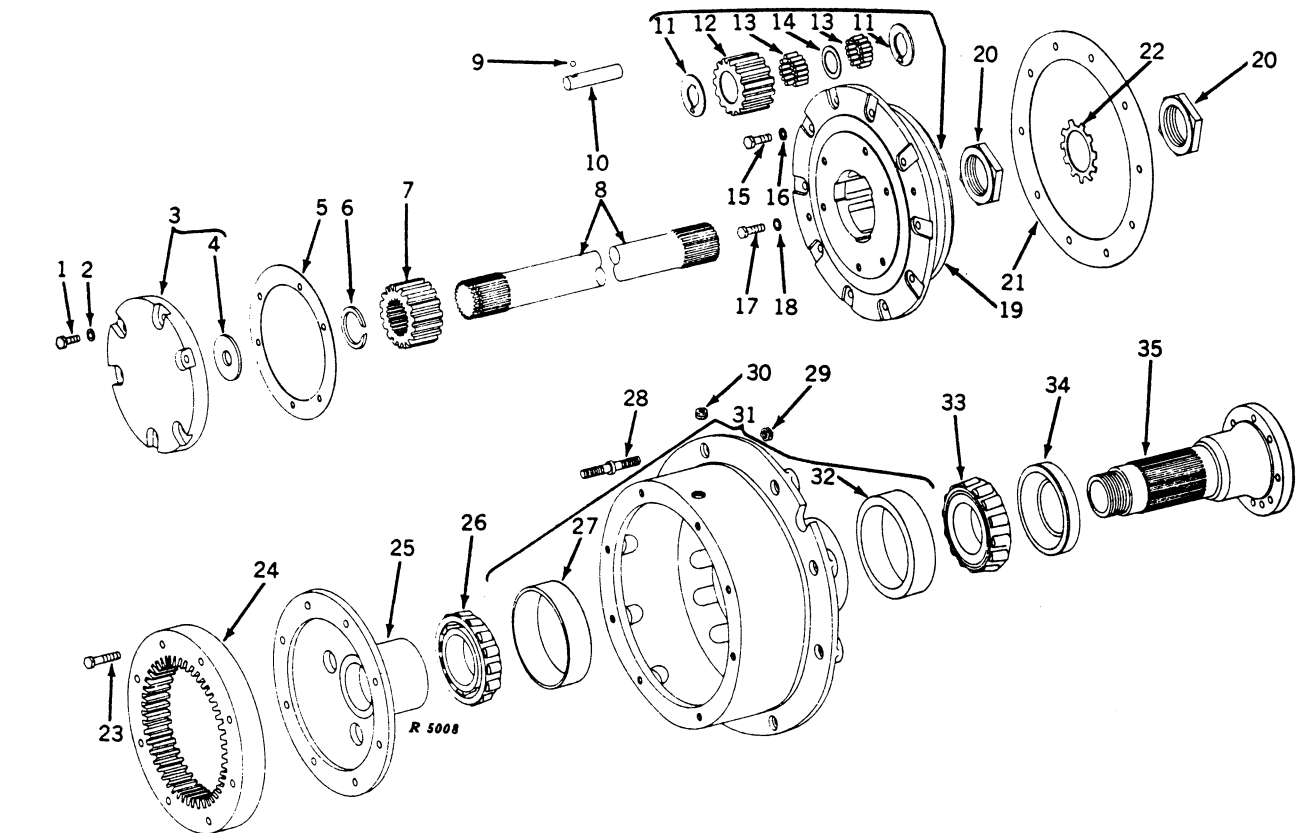
Key	Part No.	Tractor Serial No.	Description
1	P 47707 H	(-)	Screw, cap (16 used)
2	R 29005 R	(-)	Plate, lock (8 used)
3	AR 29054 R	(-)	Joint, universal
4	AR 29053 R	(-)	Yoke, universal joint slip
5	R 29000 R	(-)	Shaft, rear drive
6	R 29002 R	(-)	Adapter, rear drive shaft bearing
7	22H 750	(-)	Screw, special set (2 used)
8	.....	( - )	Nut, jam, 5/8" (2 used)
9	R 29001 R	(-)	Snap ring
10	JD 9255	(-)	Bearing, special ball
11	R 29003 R	(-)	Yoke, universal joint
12	C 2321 R	(-)	Washer, special (sub. R57219)
13	.....	( - )	Pin, cotter, 3/16" x 2"
14	C 535 R	(-)	Nut, special slotted
15	AR 29584 R	(-)	Joint, universal (2 used)
16	AR 29529 R	(-)	Yoke, slip and dust cap
17	R 29011 R	(-)	Screw, special cap (8 used)
18	.....	( - )	Wire, 16 gauge x 6" (4 used)
19	R 30290 R	(-)	Washer, felt retainer (2 used)
20	R 30291 R	(-)	Packing, felt
21	R 30292 R	(-)	Retainer, felt
22	AR 29565 R	(-)	Yoke, and end stub

FRONT AND REAR AXLE HOUSING AND FRONT AXLE BRACKETS



Key	Part No.	Tractor Serial No.	Description
1	.....	( - )	Screw, cap, 3/4" x 4", bracket to front frame (6 used)
2	R 29041 R	(-)	Bracket, front axle (2 used)
3	.....	( - )	Washer, lock, 3/4" (6 used)
4	.....	( - )	Nut, hex., 3/4" (6 used)
5	R 30564 R	(-)	Housing, front and rear axle (2 used) (do not stock)
6	15H 564	(-)	Plug, pipe, axle housing filler
7	R 29042 R	(-)	Support, front axle, R.H.
8	.....	( - )	Screw, cap, 3/4" x 3-1/4", support to front frame (4 used)
9	.....	( - )	Washer, lock, 3/4" (4 used)
10	.....	( - )	Nut, hex., 3/4" (4 used)
11	.....	( - )	Screw, cap, 1" x 9-3/4", support to bracket (8 used)
12	.....	( - )	Washer, lock, 1" (8 used)
13	15H 564	(-)	Plug, pipe, axle housing drain
14	R 30580 R	(-)	Gasket, housing to differential carrier
15	R 29043 R	(-)	Support, front axle, L.H.
Part listed below is not illustrated.			
..	AR 29299 R	(-)	Breather, in front and rear axle housing (2 used) (sub. AR29618 Breather and R37000 Adapter)

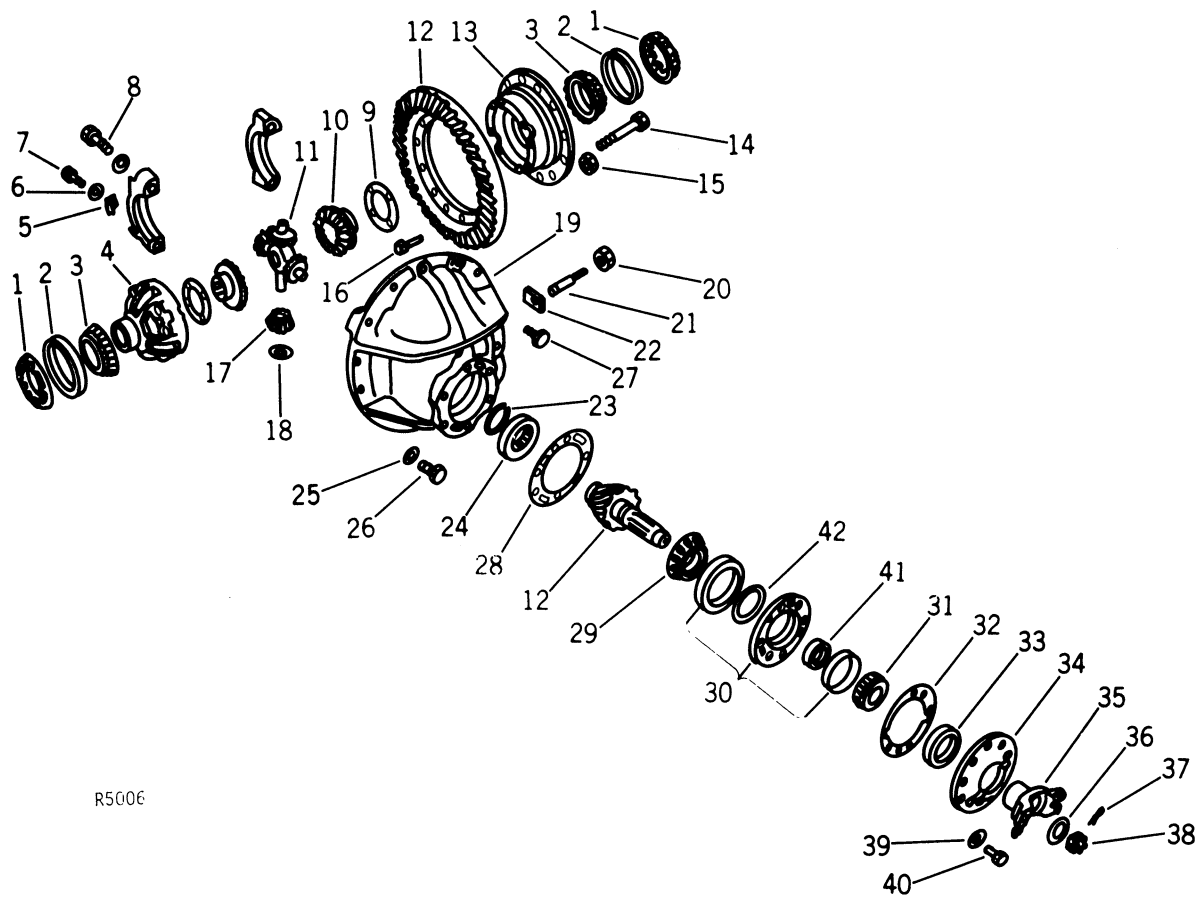
FRONT AND REAR DRIVE AXLE, AND FRONT WHEEL HUB



Key	Part No.	Tractor Serial No.	Description
1	.....	( - )	Screw, cap, 7/16" x 1-1/4" (6 used)
2	.....	( - )	Washer, lock, 7/16" (6 used)
3	AR 29306 R	(-)	Cap, sun gear thrust, with washer
4	R 29581 R	(-)	Washer, thrust
5	R 29582 R	(-)	Gasket, sun gear thrust cap
6	R 30575 R	(-)	Snap ring
7	R 30574 R	(-)	Gear, sun
8	R 30565 R	(-)	Shaft, axle
9	405 R	(-)	Ball, steel (3 used)
10	R 29569 R	(-)	Shaft, planet pinion (3 used)
11	R 29571 R	(-)	Washer, thrust (6 used)
12	R 29570 R	(-)	Pinion, planet (3 used)
13	R 29572 R	(-)	Roller, bearing (150 used)
14	R 29573 R	(-)	Spacer, planet pinion roller (3 used)
15	R 29575 R	(-)	Screw, special cap (10 used)
16	.....	( - )	Washer, lock, 1/2" (10 used) (sub. R31441 this application only)
17	.....	( - )	Screw, cap, 1/2" x 1/2" (2 used)
18	.....	( - )	Washer, lock, 1/2" (2 used)
19	R 29568 R	(-)	Spider, planet
20	R 30567 R	(-)	Nut, axle housing spindle (2 used)
21	R 29574 R	(-)	Gasket, planet spider (No longer available)
22	R 30568 R	(-)	Plate, lock
23	R 30573 R	(-)	Screw, special cap (8 used)
24	R 30572 R	(-)	Gear, internal
25	R 30571 R	(-)	Hub, internal gear
26	R 30577 R	(-)	Cone, taper roller bearing, wheel hub, outer
27	R 30576 R	(-)	Cup, taper roller bearing, wheel hub, outer
28	R 29583 R	(-)	Bolt, wheel mounting special (10 used)
29	R 29584 R	(-)	Nut, special hex. slotted (10 used)
30	15H 564	(-)	Plug, pipe
31	AR 29639 R	(-)	Hub, wheel, with cups
32	R 30578 R	(-)	Cup, taper roller bearing, wheel hub, inner
33	R 30579 R	(-)	Cone, taper roller bearing, wheel hub, inner
34	AR 29640 R	(-)	Seal, oil
35	R 31439 R	(-)	Spindle, axle housing

NOTE: Parts above are for one wheel only.

DIFFERENTIAL

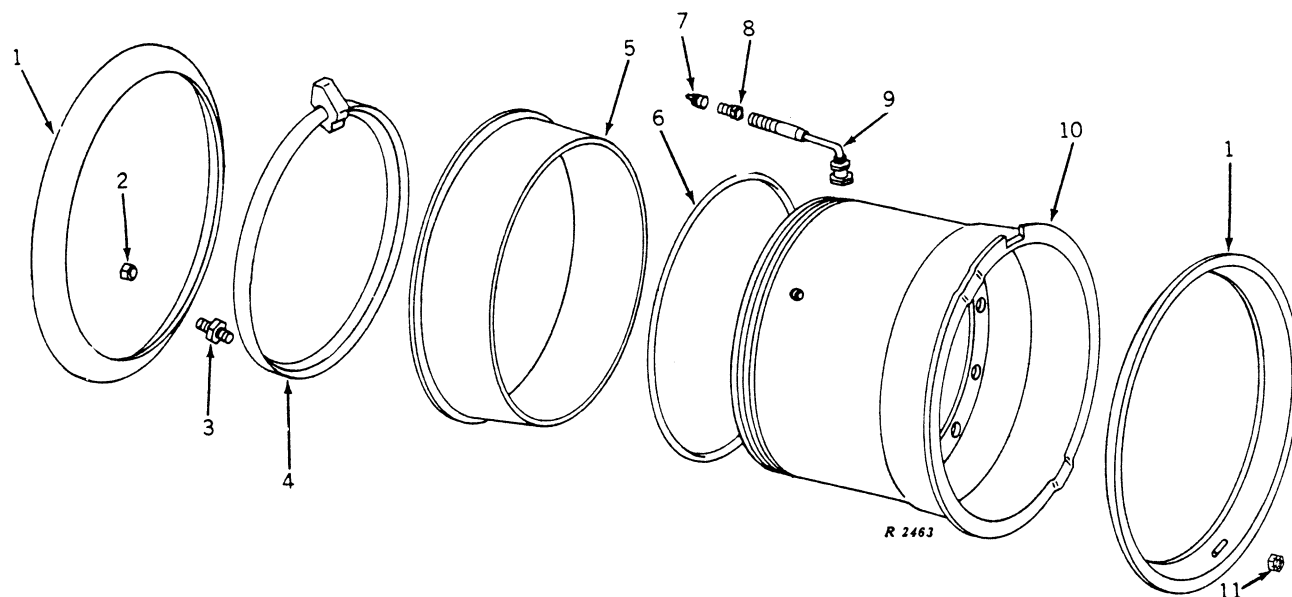


R5006

DIFFERENTIAL -- Continued

Key	Part No.	Tractor Serial No.	Description
1	R 30553 R	(-)	Nut, differential adjusting (2 used)
2	R 30552 R	(-)	Cup, taper roller bearing (2 used)
3	AR 29635 R	(-)	Cone, taper roller bearing (2 used)
4	AR 29727 R	(-)	Case, differential (2 halves, see key 13)
5	R 29517 R	(-)	Plate, lock (2 used)
6	.....	( - )	Washer, lock, 3/8" (4 used)
7	.....	( - )	Screw, cap, 3/8" x 7/8" (4 used)
8	R 30549 R	(-)	Screw, special cap (4 used)
	.....	( - )	Washer (4 used) (Never Used)
9	R 30547 R	(-)	Washer, differential side gear thrust (2 used)
10	R 30544 R	(-)	Gear, differential side (2 used)
11	R 30545 R	(-)	Spider, differential
12	AR 29626 R	(-)	Set, ring gear and pinion, front drive
	AR 29629 R	(-)	Set, ring gear and pinion, rear drive
13	AR 29727 R	(-)	Case, differential (2 halves, see key 4)
14	R 30548 R	(-)	Screw, special cap (8 used)
15	R 30540 R	(-)	Nut, lock, special hex. (12 used)
16	R 30539 R	(-)	Screw, special cap (12 used)
17	R 30543 R	(-)	Pinion, differential (4 used)
18	R 30546 R	(-)	Washer, differential pinion thrust (4 used)
19	AR 29630 R	(-)	Carrier, differential, and caps
20	.....	( - )	Nut, jam, 1-1/8"
21	AR 29637 R	(-)	Screw, differential thrust
22	R 29527 R	(-)	Plate, lock
23	R 30562 R	(-)	Snap ring
24	AR 29634 R	(-)	Bearing, straight roller
25	.....	( - )	Washer, lock, 5/8" (14 used)
26	.....	( - )	Screw, cap, 5/8" x 1-3/4" (10 used)
27	R 30581 R	(-)	Screw, special cap (4 used)
	R 31539 R	(-)	Washer, special (4 used)
28	R 30556 R	(-)	Shim, steel, .004"
	R 30557 R	(-)	Shim, steel, .007"
29	AR 29633 R	(-)	Cone, taper roller bearing, center
30	AR 29631 R	(-)	Cage, differential pinion bearing, with cups (sub. AR70341 and R31440)
	R 30550 R	(-)	Cup, taper roller bearing, outer
	R 30551 R	(-)	Cup, taper roller bearing, center
31	AR 29632 R	(-)	Cone, taper roller bearing, outer
32	R 30555 R	(-)	Gasket, differential oil seal retainer
33	R 31440 R	(-)	Seal, oil
34	R 30554 R	(-)	Retainer, differential pinion oil seal (sub. R58537)
35	R 30560 R	(-)	Yoke, axle input shaft
36	R 30561 R	(-)	Washer, special
37	.....	( - )	Pin, cotter, 7/32" x 3"
38	R 30559 R	(-)	Nut, special hex., slotted
39	.....	( - )	Washer, lock, 5/8" (8 used)
40	.....	( - )	Screw, cap, 5/8" x 2-1/4" (8 used)
41	AR 29638 R	(-)	Kit, pinion bearing spacer (spacer and shims)
42	R 30563 R	(-)	Packing, O-ring (sub. T41326)
Part listed below is not illustrated.			
	R 30580 R	(-)	Gasket, differential carrier to axle housing

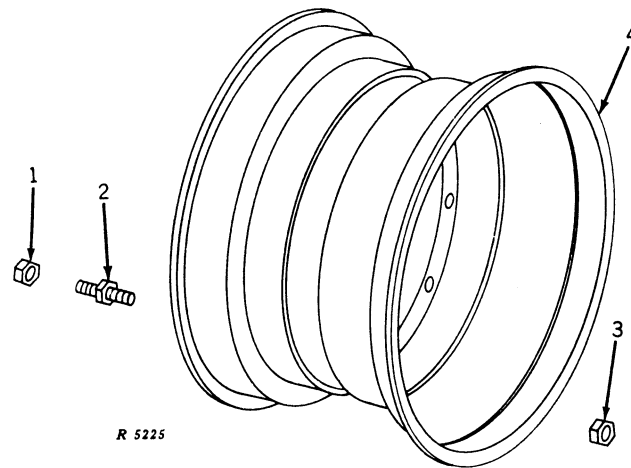
DRIVE WHEEL RIM (For Tubeless Tire)



Key	Part No.	Tractor Serial No.	Description
1	R 29477 R	(-)	Ring, side (2 used)
2	R 29473 R	(-)	Nut (10 used)
3	R 29583 R	(-)	Bolt, special (10 used)
4	R 29479 R	(-)	Ring, lock
5	R 29478 R	(-)	Ring, bead seat
6	R 29480 R	(-)	Packing, O-ring
7	.....	( - )	Cap, valve stem
8	R 29482 R	(-)	Adapter, valve stem
9	AR 29310 R	(-)	Stem, valve
10	AR 29309 R	(-)	Rim, drive wheel, 15.00-25 x 2-1/2 (for 18-25, 20-ply tubeless tire) (do not stock)
11	R 29584 R	(-)	Nut, slotted, special hex. (10 used)
Part listed below is not illustrated.			
	R 30899 R	(-)	Sleeve, wheel stud (use on wheel studs when removing or installing wheels) (3 used)

Parts listed above are for one wheel.

DRIVE WHEEL RIM (For Tire With Tube)



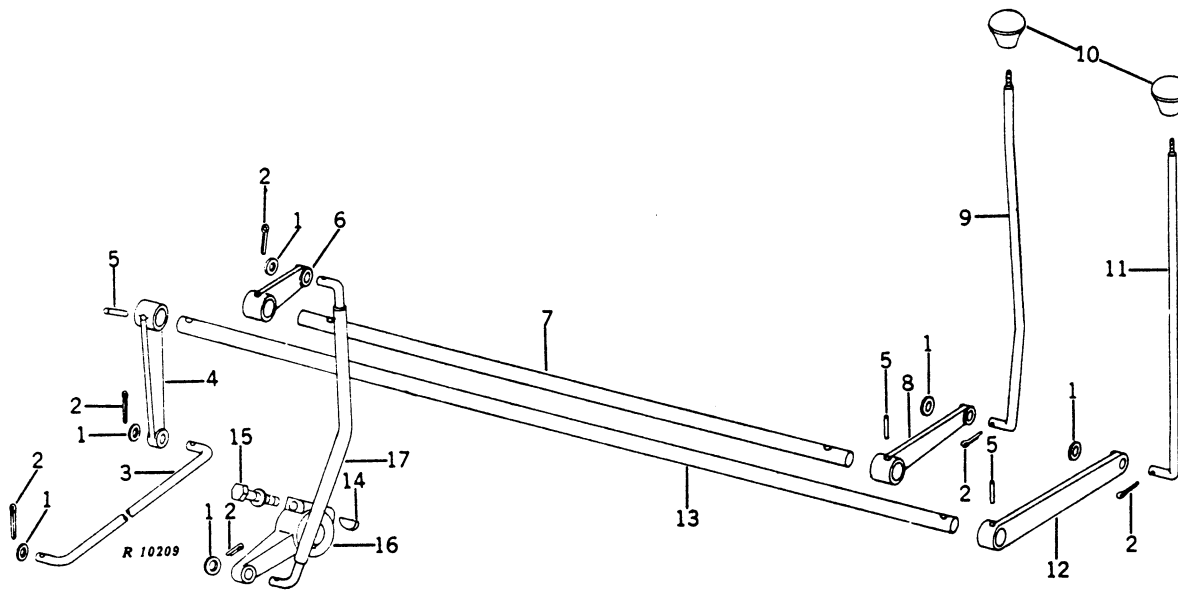
Key	Part No.	Tractor Serial No.	Description
1	R 29473 R	(-)	Nut (10 used)
2	R 29583 R	(-)	Bolt, special (10 used)
3	R 29584 R	(-)	Nut, slotted, special hex. (10 used)
4	AR 29278 R	(-)	Rim, drive wheel (DW 16-26) (for 23.1-26, 12-ply tire) (do not stock)
	AR 29282 R	(-)	Rim, drive wheel (DW 20-26) (for 23.1-26, 12-ply tire) (do not stock)
Part listed below is not illustrated.			
	R 30899 R	(-)	Sleeve, wheel stud (use on wheel studs when removing or installing wheels) (3 used)

Parts listed above are for one wheel.

DRIVE WHEEL RIM (For 26.5-25 12-Ply Low Profile Tire with Tube)

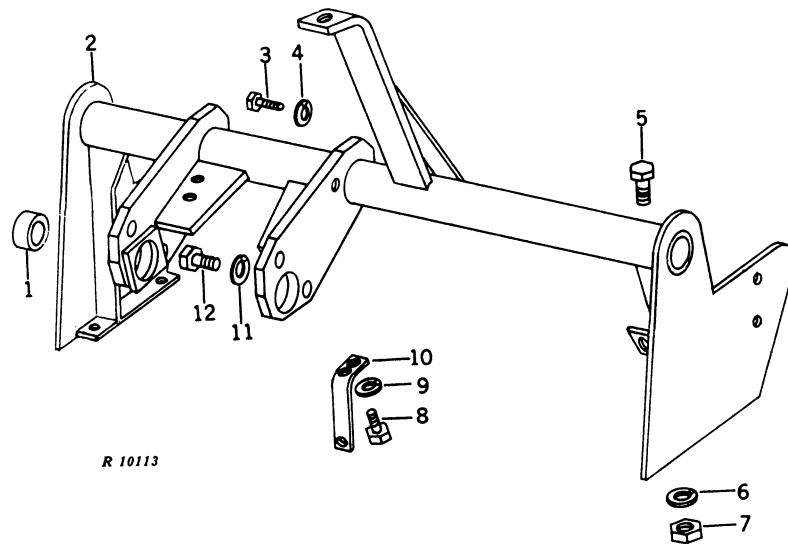
Key	Part No.	Tractor Serial No.	Description
Parts listed below are not illustrated.			
	AH 10874 H	(-)	Flange, rim (2 used)
	AR 29706 R	(-)	Rim, drive wheel
	R 29478 R	(-)	Ring, bead seat
	R 29479 R	(-)	Ring, lock
	R 29473 R	(-)	Nut, special on bolt (inside) (10 used)
	R 29583 R	(-)	Bolt, rim to wheel (10 used)
	R 29584 R	(-)	Nut, special hex. slotted, on bolt (10 used)

DISCONNECT LINKAGE



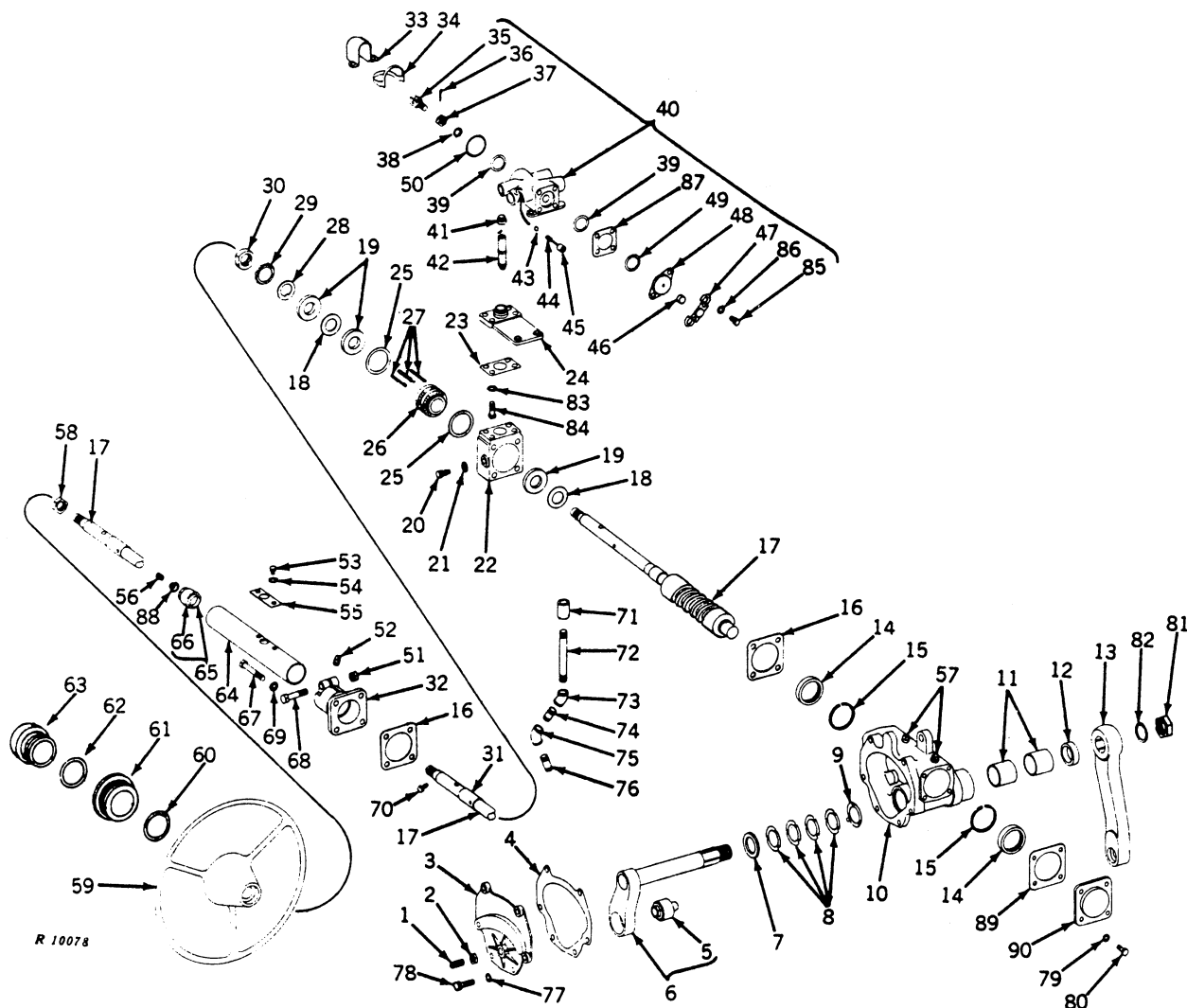
Key	Part No.	Tractor Serial No.	Description
1	24H 1301	(-)	Washer, 13/32" x 9/16" x .060" (6 used)
2	.....	( - )	Pin, cotter, 3/32" x 1" (6 used)
3	R 37055 R	(-)	Rod, hydraulic pump disconnect
4	R 29290 R	(-)	Arm, pump disconnect link
5	34H 77	(-)	Pin, roll (4 used)
6	R 29288 R	(-)	Arm, front axle disconnect
7	R 29289 R	(-)	Shaft, front axle disconnect
8	R 29290 R	(-)	Arm, front axle disconnect rod
9	R 37300 R	(-)	Rod, front axle disconnect
10	R 29292 R	(-)	Knob (2 used)
11	R 37301 R	(-)	Rod, pump disconnect
12	R 29930 R	(-)	Arm, pump disconnect rod
13	R 37056 R	(-)	Shaft, pump disconnect
14	26H 14	(-)	Key, woodruff (packed 5 in a pkg.)
15	.....	( - )	Screw, cap, high-strength, 5/16" x 1-1/2"
16	.....	( - )	Washer, lock, 5/16"
16	R 37294 R	(-)	Lever, front axle disconnect
17	R 37178 R	(-)	Link, front axle disconnect

STEERING GEAR SUPPORT



Key	Part No.	Tractor Serial No.	Description
1	R 29067 R	(-)	Bushing
2	AR 29935 R	(-)	Support, steering gear (do not stock)
3	.....	( - )	Screw, cap, 1/2" x 1-1/4"
4	.....	( - )	Washer, lock, 1/2"
5	.....	( - )	Screw, cap, 1/2" x 1-1/2" (4 used)
6	.....	( - )	Washer, lock, 1/2" (4 used)
7	.....	( - )	Nut, hex., 1/2" (4 used)
8	.....	( - )	Screw, cap, 3/8" x 1" (2 used)
9	.....	( - )	Washer, lock, 3/8" (2 used)
10	R 29069 R	(-)	Strap, platform support
11	.....	( - )	Washer, lock, 5/8" (2 used)
12	.....	( - )	Screw, cap, 5/8" x 1-1/2" (2 used)

STEERING WHEEL, STEERING GEAR ASSEMBLY, AND HORN BUTTON

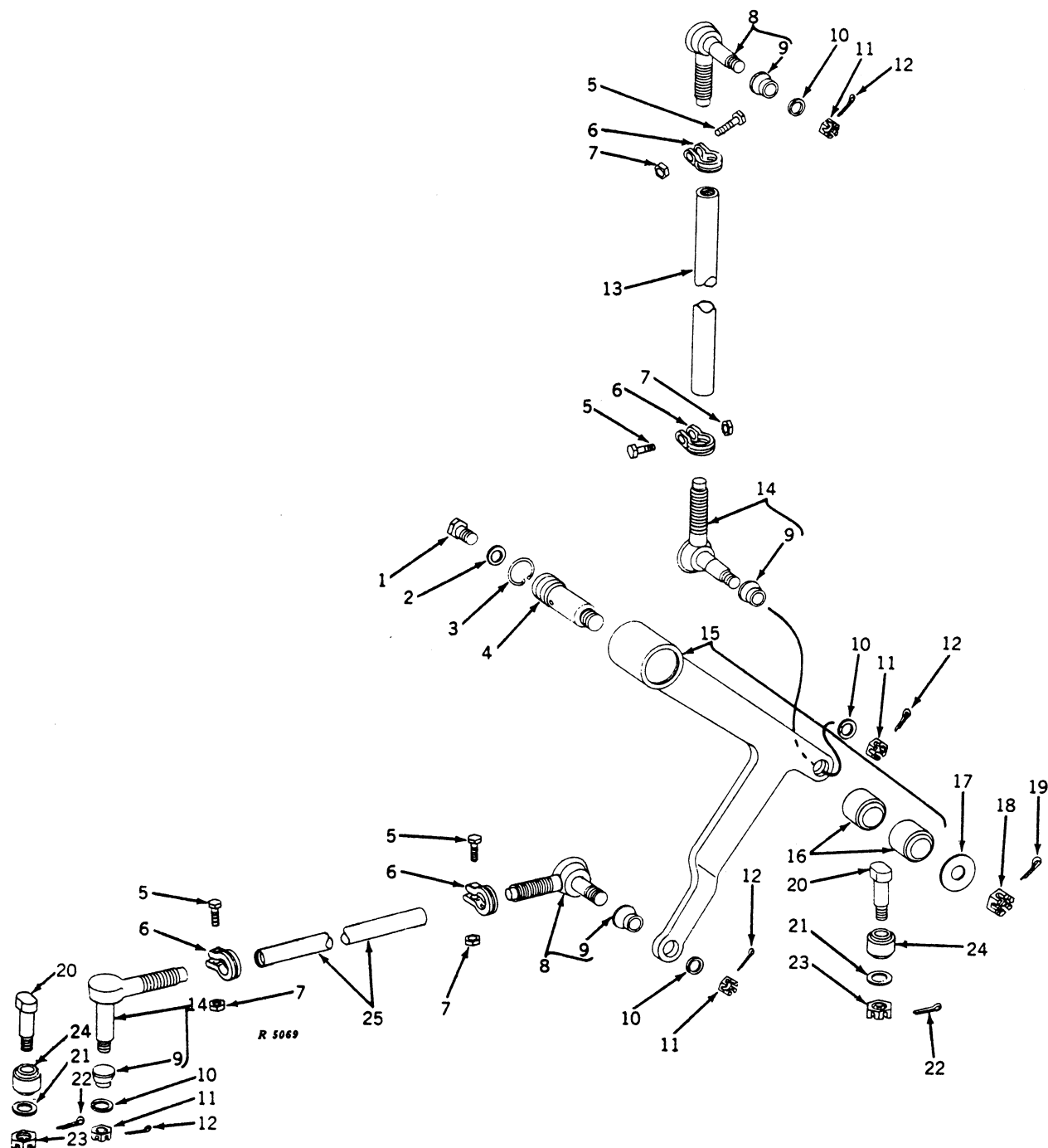


Key	Part No.	Tractor Serial No.	Description
1	P 43448 H	-	Screw, adjusting
2	R 30252 R	-	Nut, special jam
3	R 30098 R	-	Cover, side
4	R 30272 R	-	Gasket, side cover
5	AR 29604 R	-	Bearing, stud roller
6	AR 29518 R	-	Shaft, lever, with stud roller bearing
7	R 30273 R	-	Washer, thrust
8	R 30274 R	-	Shim, .003"
	R 30275 R	-	Shim, .010"
	R 30276 R	-	Shim, .020"
9	R 30277 R	-	Washer, retaining
10	AR 29130 R	-	Housing, steering, with bushings
11	R 29539 R	-	Bushing, steering housing (2 used)
12	AR 29578 R	-	Seal, oil
13	R 30247 R	-	Arm, steering
14	AR 29579 R	-	Bearing, needle (2 used)
15	R 30248 R	-	Ring, retaining (2 used)
16	R 30253 R	-	Gasket
17	AR 29517 R	-	Camshaft and tube
18	JD 8841	-	Bearing, needle thrust (2 used)
19	R 30259 R	-	Washer, thrust (3 used)
20	R 30257 R	-	Screw, special, 5/16" x 2"
21	M 728 T	-	Washer, special
22	R 30101 R	-	Housing, valve actuator
23	R 30266 R	-	Gasket

STEERING WHEEL, STEERING GEAR ASSEMBLY, AND HORN BUTTON -- Continued

Key	Part No.	Tractor Serial No.	Description
24	AR 29573 R	(-)	Bracket, valve actuator mounting, with bushing
25	R 30104 R	(-)	Washer, special (2 used)
26	R 30256 R	(-)	Actuator, valve
27	R 30102 R	(-)	Spring (3 used)
28	R 30261 R	(-)	Washer, tongued
29	R 30262 R	(-)	Washer, bearing lock
30	R 30263 R	(-)	Nut, bearing lock
31	AR 29582 R	(-)	Ring, contact
32	R 30099 R	(-)	Cover, upper
33	R 30270 R	(-)	Cover, lever
34	R 30271 R	(-)	Seal, lever cover
35	AR 29556 R	(-)	Clevis, control valve
36	.....	( - )	Pin, cotter, 1/16" x 1"
37	R 30204 R	(-)	Nut, special hex. slotted
38	.....	( - )	Washer, lock, external tooth
39	R 47153	(-)	Packing, O-ring (2 used)
40	AR 29572 R	(-)	Valve, control
41	R 30269 R	(-)	Seal, lever
42	R 30103 R	(-)	Lever, valve actuator
43	400 R	(-)	Ball, steel
44	P 49133	(-)	Spring, outer
	R 32044	(-)	Spring, inner
45	AR 29557 R	(-)	Plug, socket head pipe, with roll pin
46	R 30207 R	(-)	Seal, end cover
47	R 30206 R	(-)	Retainer, end cover seal
48	R 30208 R	(-)	Cover, end
49	U 12037 U	(-)	Packing, O-ring
50	R 47155	(-)	Packing, O-ring (2 used)
51	.....	( - )	Nut, hex., 3/8"
52	15H 253	(-)	Plug, pipe
53	21H 967	(-)	Screw, special machine (2 used)
54	12H 290	(-)	Washer, special lock, no. 8 (2 used)
55	R 30278 R	(-)	Spacer, rubber
56	R 30281 R	(-)	Spring, contact
57	15H 255	(-)	Plug, pipe (3 used)
58	R 30249 R	(-)	Nut, special hex.
59	AR 29085 R	(-)	Wheel, steering
60	F 1649 R	(-)	Packing, O-ring steering wheel emblem adapter
61	R 37267 R	(-)	Adapter, steering wheel emblem
62	R 47145	(-)	Packing, O-ring, power steering wheel emblem
63	R 34324 R	(-)	Emblem, power steering wheel (sub. R47998)
64	AR 29541 R	(-)	Tube, jacket, with bearing
65	AR 29679 R	(-)	Bearing, roller, and seal
66	AR 29680 R	(-)	Seal, oil (2 used)
67	.....	( - )	Screw, cap, high-strength, 3/8" x 2-3/4" (4 used)
68	.....	( - )	Screw, cap, high-strength, 3/8" x 1-7/8"
69	.....	( - )	Washer, lock, 3/8" (4 used)
70	R 30279 R	(-)	Screw, binding head
71	15H 23	(-)	Cap, pipe
72	29H 163	(-)	Nipple, pipe
73	15H 593	(-)	Elbow, 45°
74	29H 587	(-)	Nipple, pipe
75	15H 97	(-)	Elbow, 90°
76	29H 142	(-)	Nipple, pipe
77	.....	( - )	Washer, lock, 3/8" (6 used)
78	.....	( - )	Screw, cap, high-strength, 3/8" x 1-1/4" (6 used)
79	.....	( - )	Washer, lock, 3/8" (4 used)
80	.....	( - )	Screw, cap, high-strength, 3/8" x 3/4" (4 used)
81	R 30250 R	(-)	Nut, special hex.
82	.....	( - )	Washer, lock, 1-1/8"
83	.....	( - )	Washer, lock, 1/4" (6 used)
84	.....	( - )	Screw, cap, high-strength (4 used)
85	.....	( - )	Screw, cap, high-strength (2 used)
86	.....	( - )	Washer, lock, 1/4" (2 used)
87	R 30205 R	(-)	Retainer, sleeve
88	R 30280 R	(-)	Cup, contact
89	R 30265 R	(-)	Gasket
90	R 30264 R	(-)	Cover, end

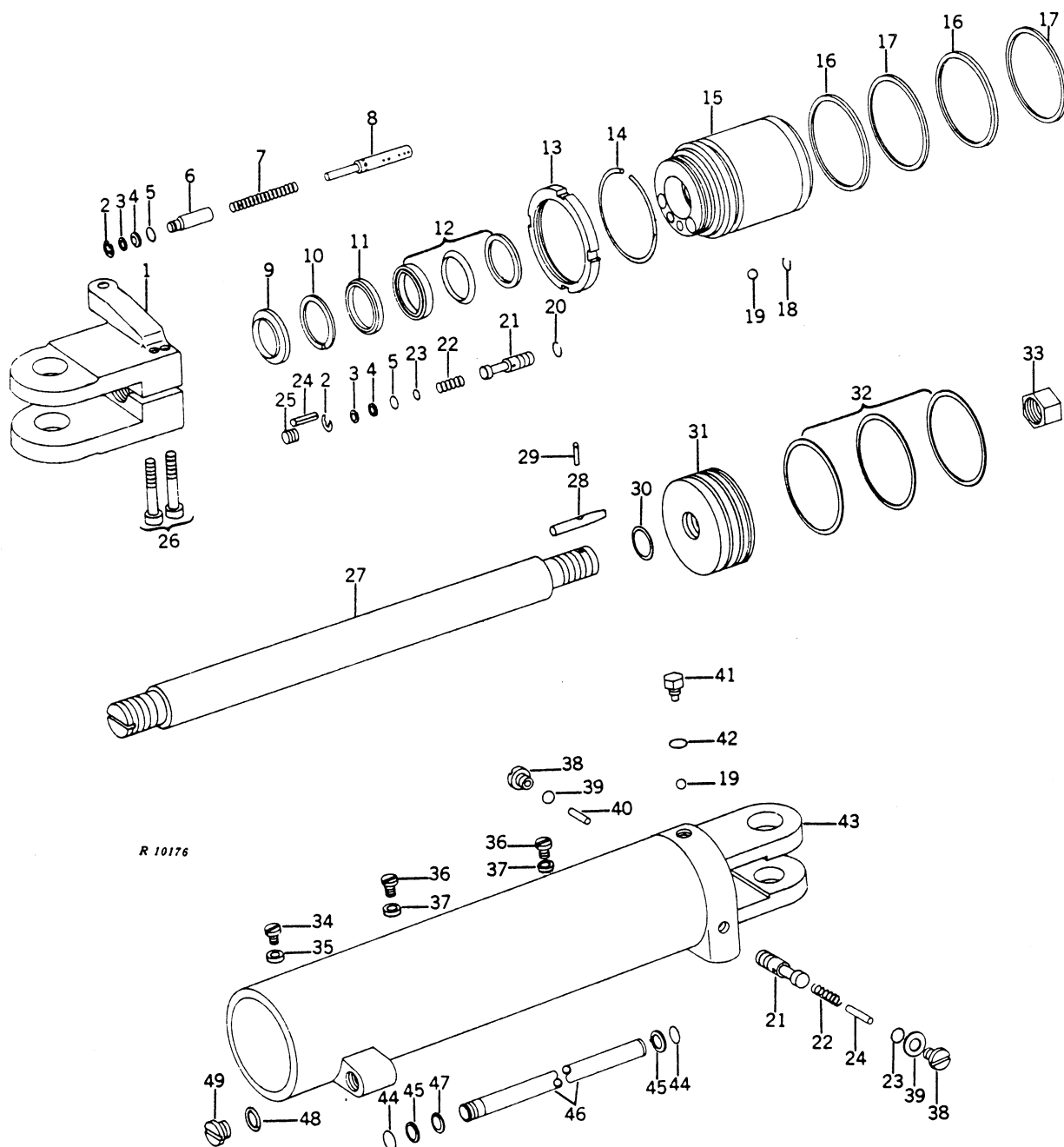
STEERING LINKAGE



STEERING LINKAGE -- Continued

Key	Part No.	Tractor Serial No.	Description
1	.....	( - )	Screw, cap, 3/4" x 3/4"
2	R 1742 R	(-)	Washer, aluminum
3	.....	( - )	(Not required)
4	R 29074 R	(-)	Shaft, steering ball crank pivot
5	.....	( - )	Screw, cap, 5/16" x 1-1/4" (4 used)
6	L 409 T	(-)	Clamp (4 used)
7	.....	( - )	Nut, 5/16" (4 used)
8	AR 21944 R	(-)	Socket, rod end, R.H. (2 used)
9	F 3208 R	(-)	Boot, rod end socket (4 used) (sub. M648T)
10	.....	( - )	Washer, lock, 9/16" (4 used)
11	R 20228 R	(-)	Nut, special slotted, 9/16" (4 used)
12	.....	( - )	Pin, cotter, 1/8" x 1" (4 used)
13	R 29071 R	(-)	Link, drag, upper
14	AR 21945 R	(-)	Socket, rod end, L.H. (2 used)
15	AR 29090 R	(-)	Bell crank, steering, with bushing
16	R 29073 R	(-)	Bushing (2 used)
17	R 105 R	(-)	Washer
18	C 535 R	(-)	Nut, slotted
19	.....	( - )	Pin, cotter, 3/16" x 2"
20	R 29336 R	(-)	Pin, steering cylinder (2 used)
21	A 133 R	(-)	Washer (2 used)
22	.....	( - )	Pin, cotter, 3/16" x 2" (2 used)
23	.....	( - )	Nut, 1" (2 used)
24	AR 29122 R	(-)	Bushing, pin, steering cylinder
25	R 29070 R	(-)	Link, drag, lower

STEERING CYLINDER



R 10176

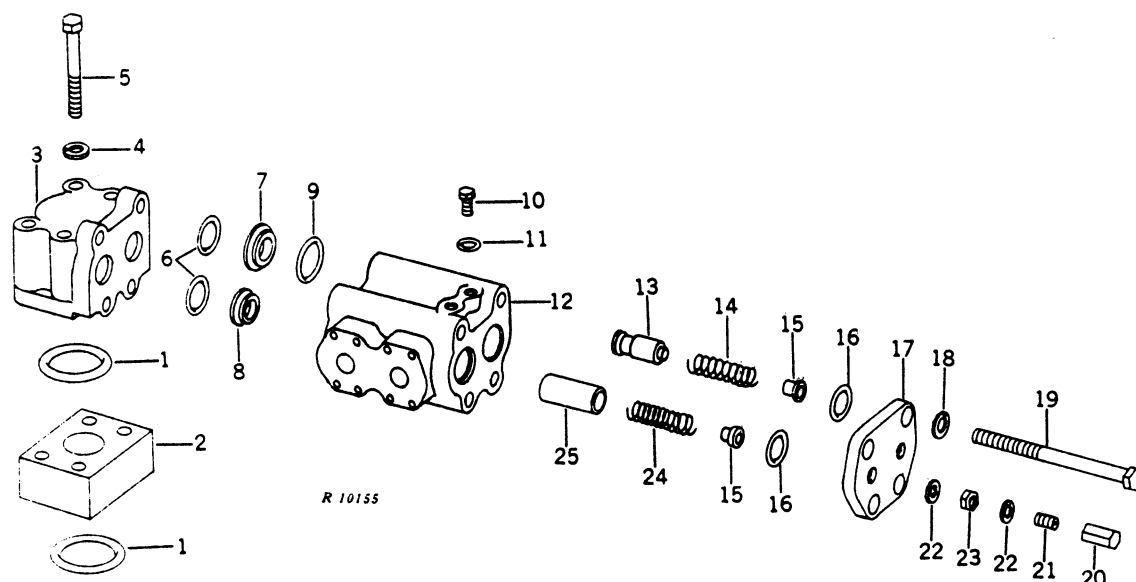
STEERING CYLINDER -- Continued

Key	Part No.	Tractor Serial No.	Description
1	R 30304 R	(-)	Yoke, rod end
2	P 44982 R	(-)	Ring, retaining, special (2 used)
3	R 30330 R	(-)	Ring, retaining bearing plug (2 used)
4	R 30322 R	(-)	Ring, back up (2 used) (sub. R40937)
5	P 46051 H	(-)	Packing, O-ring (2 used)
6	R 30308 R	(-)	Plug, sleeved plunger spring
7	R 30309 R	(-)	Spring, extended position stop plunger
8	R 30307 R	(-)	Plunger, extended position stop
9	AR 29593 R	(-)	Seal, oil piston rod
10	H 21954 H	(-)	Ring, retaining, rod packing
11	R 37279 R	(-)	Retainer, seal, piston rod
12	AR 29897 R	(-)	Seal, piston rod
13	R 30327 R	(-)	Nut, bearing lock
14	R 30335 R	(-)	Snap ring, bearing
15	R 30301 R	(-)	Bearing, barrel and piston rod
16	R 30324 R	(-)	Washer, leather bearing (2 used)
17	C 11884 C	(-)	Packing, O-ring, bearing (2 used)
18	R 30314 R	(-)	Ring, special snap, bearing check ball
19	405 R	(-)	Ball (2 used)
20	R 30328 R	(-)	Snap ring, balancing spool
21	AR 29592 R	(-)	Spool, balancing (2 used)
22	H 26232 H	(-)	Spring, balancing spool (2 used)
23	R 30336 R	(-)	Washer, spool retaining (2 used)
24	34H 103	(-)	Pin, roll, balancing spool, 1/4" x 1-1/4" (2 used)
25	R 30311 R	(-)	Plug, special, balancing spool
26	19H 2381	(-)	Screw, cap, rod end yoke (2 used)
27	R 30302 R	(-)	Rod, piston
28	R 30306 R	(-)	Pin, metering
29	34H 78	(-)	Pin, roll, metering pin, 3/16" x 1-1/8"
30	R 30319 R	(-)	Packing, O-ring, piston rod
31	R 30300 R	(-)	Piston
32	R 30325 R	(-)	Ring, piston (3 used)
33	R 30333 R	(-)	Nut, special hex.
34	21H 1146	(-)	Screw, machine, bearing locator
35	AR 26645 R	(-)	Washer, sealing bearing locator screw
36	21H 1205	(-)	Screw, machine bleed screw (2 used)
37	AR 29595 R	(-)	Washer, sealing (2 used)
38	R 30312 R	(-)	Plug, slotted, balancing spool head (2 used)
39	T 13119 T	(-)	Packing, O-ring, slotted plug balancing spool (2 used)
40	34H 177	(-)	Pin, roll, head balancing spool, 1/4" x 5/8"
41	R 30313 R	(-)	Plug, hex., ball stop and bleed
42	R 394 R	(-)	Packing, O-ring, bleed plug
43	AR 29591 R	(-)	Barrel, cylinder and head
44	R 31537 R	(-)	Packing, O-ring, oil tube (2 used)
45	R 30323 R	(-)	Ring, back up, oil tube (2 used)
46	R 30303 R	(-)	Tube, oil
47	R 30332 R	(-)	Ring, retaining, oil tube
48	32240 A	(-)	Packing, O-ring, tube port plug
49	R 30310 R	(-)	Plug, slotted tube port

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

.. AR 29896 R (-) Cylinder, steering

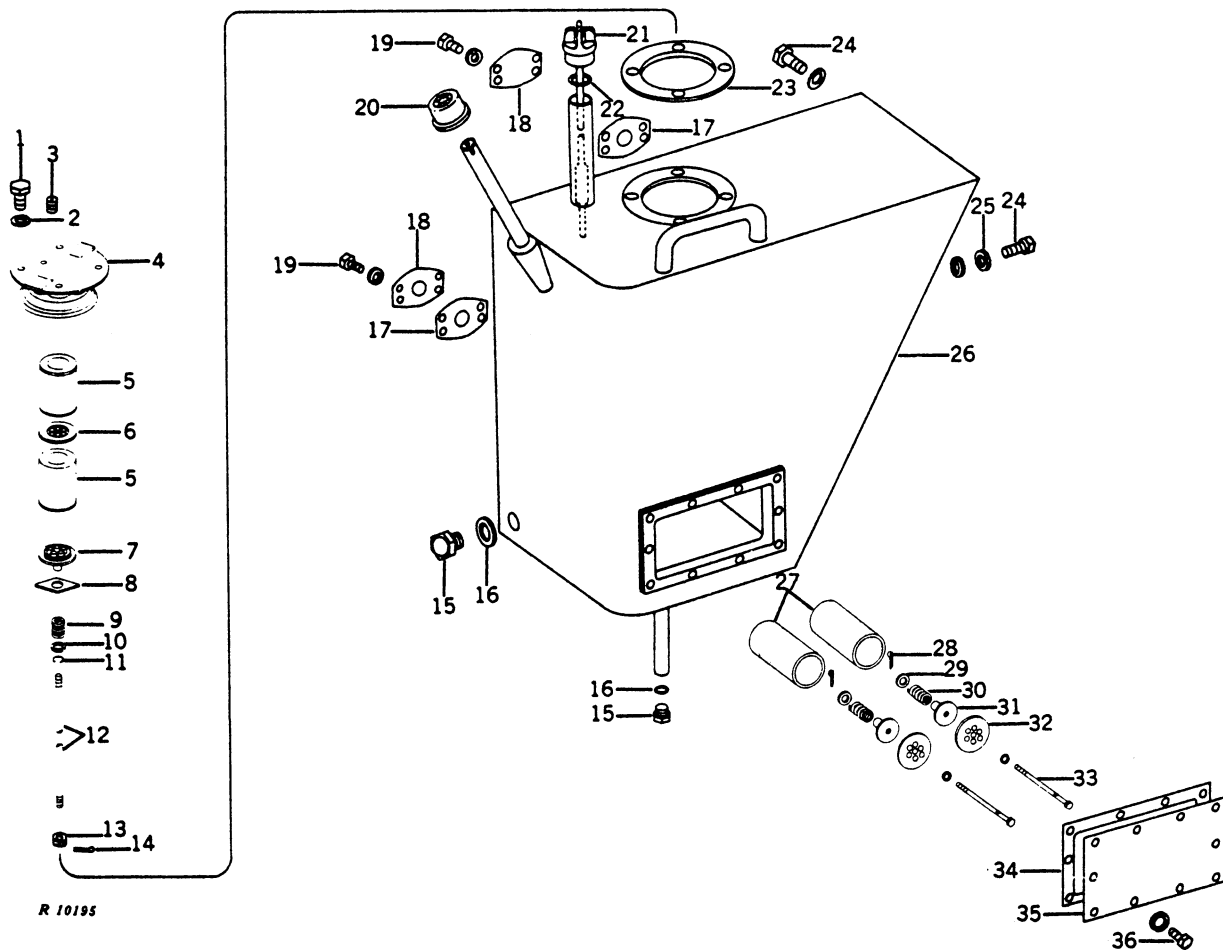
STEERING RELIEF VALVE



Key	Part No.	Tractor Serial No.	Description
1	R 47145	(-)	O-ring (2 used)
2	R 37152 R	(-)	Spacer, steering pump relief valve
3	R 29092 R	(-)	Manifold, steering relief valve housing
4	.....	( - )	Washer, lock, 1/2" (4 used)
5	.....	( - )	Screw, cap, 1/2" x 5" (4 used)
6	R 47149	(-)	O-ring (2 used)
7	R 29087 R	(-)	Seat, steering relief valve
8	R 29093 R	(-)	Spacer, steering flow control valve
9	R 47152	(-)	O-ring
10	R 27216 R	(-)	Plug, steering relief valve housing (2 used)
11	R 47158	(-)	O-ring
12	R 29085 R	(-)	Housing, steering relief valve
13	R 29086 R	(-)	Valve, steering relief
14	R 29088 R	(-)	Spring, steering relief valve
15	R 29089 R	(-)	Retainer, spring (2 used)
16	R 47144	(-)	O-ring (2 used)
17	R 29091 R	(-)	Cover, valve housing
18	.....	( - )	Washer, lock, 1/2" (4 used)
19	.....	( - )	Screw, cap, 1/2" x 6" (4 used)
20	B 427 R	(-)	Nut, special cap (2 used)
21	22H 799	(-)	Screw, set (2 used)
22	A 3098 R	(-)	Washer, aluminum (4 used) (Packed 5 in a pkg.)
23	.....	( - )	Nut, jam, 3/8" (2 used)
24	R 1822 R	(-)	Spring, steering flow control valve
25	R 29090 R	(-)	Valve, steering flow control

MEMORANDA

HYDRAULIC OIL RESERVOIR, FILTERS, AND SUCTION SCREEN



R 10195

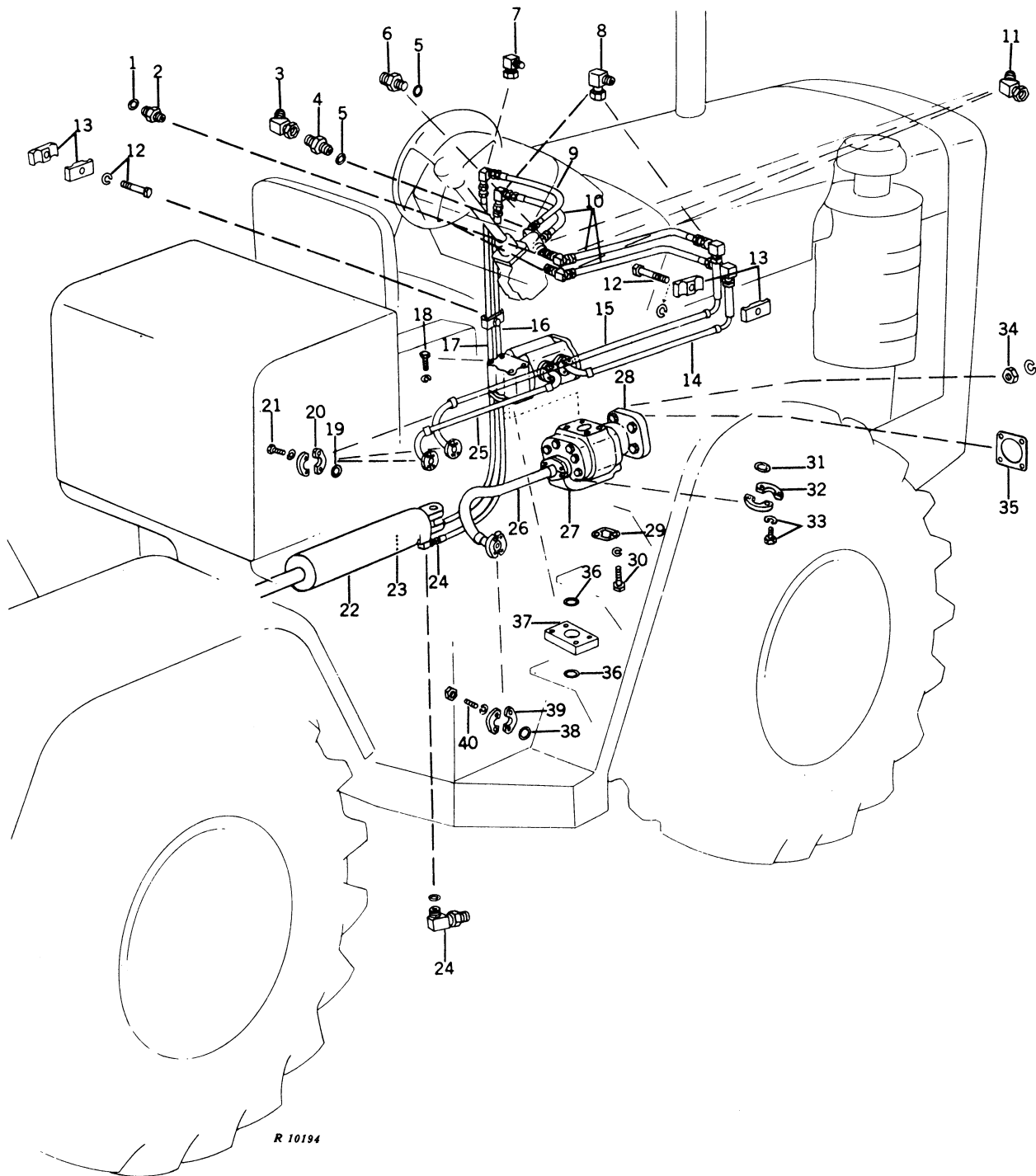
HYDRAULIC OIL RESERVOIR, FILTERS, AND SUCTION SCREEN -- Continued

Key	Part No.	Tractor Serial No.	Description
1	.....	( - )	Screw, cap, high-strength, 1/2" x 1-3/8" (4 used)
2	F 2223 R	(-)	Washer (4 used) (packed 5 in a pkg.)
3	15H 538	(-)	Plug, pipe
4	R 29322 R	(-)	Head, reservoir filter
5	AR 29174 R	(-)	Filter, reservoir (2 used)
6	AR 29948 R	(-)	Seal, reservoir filter
7	AR 29959 R	(-)	Retainer, reservoir filter, with tube
8	AR 29149 R	(-)	Valve, reservoir filter relief
9	A 2435 R	(-)	Spring
10	24H 1452	(-)	Washer, 1-1/32" x 1-3/4" x .105"
11	A 602 R	(-)	Snap ring (packed 2 in a pkg.)
12	R 29219 R	(-)	Rod
13	C 1387 R	(-)	Nut, special slotted (packed 10 in a pkg.)
14	.....	( - )	Pin, cotter, 1/8" x 1-1/2"
15	H 945 R	(-)	Plug (2 used)
16	H 294 R	(-)	Washer, aluminum (2 used) (packed 2 in a pkg.)
17	R 29229 R	(-)	Gasket (2 used)
18	R 29228 R	(-)	Cover, oil reservoir opening (2 used) *
19	.....	( - )	Screw, cap, high-strength, 1/2" x 3/4" (8 used) *
	.....	( - )	Washer, lock, 1/2" (8 used) *
20	R 37020 R	(-)	Breather
21	AR 29951 R	(-)	Cap, oil filler, with rod
22	R 31486 R	(-)	Gasket, oil filler cap (packed 2 in a pkg.)
23	R 29220 R	(-)	Gasket, reservoir filter head
24	.....	( - )	Screw, cap, high-strength, 1/2" x 1" (10 used)
	.....	( - )	Washer, lock, 1/2" (10 used)
25	24H 1211	(-)	Washer, 9/16" x 1-3/8" x .105"
26	AR 29910 R	(-)	Reservoir, oil (do not stock)
27	R 29221 R	(-)	Screen (2 used) **
28	.....	( - )	Pin, cotter, 1/8" x 1-1/4" (2 used) **
29	.....	( - )	Washer, 17/32" x 1-3/4" x .60" (2 used) **
30	A 2435 R	(-)	Spring (2 used) **
31	AR 29150 R	(-)	Valve, suction screen relief (2 used) **
32	R 29222 R	(-)	Retainer, reservoir suction screen cover (2 used) **
33	R 29223 R	(-)	Screw, cap, special (2 used) **
	.....	( - )	Washer, 1/2" (2 used) **
34	R 29227 R	(-)	Gasket, reservoir suction screen cover
35	R 29226 R	(-)	Cover, reservoir suction screen
36	.....	( - )	Screw, cap, high-strength, 3/8" x 3/4"
	.....	( - )	Washer, lock, 3/8"

*Parts on tractor without hitch or remote cylinder.

**One used on tractor without hitch or remote cylinder, install in front.

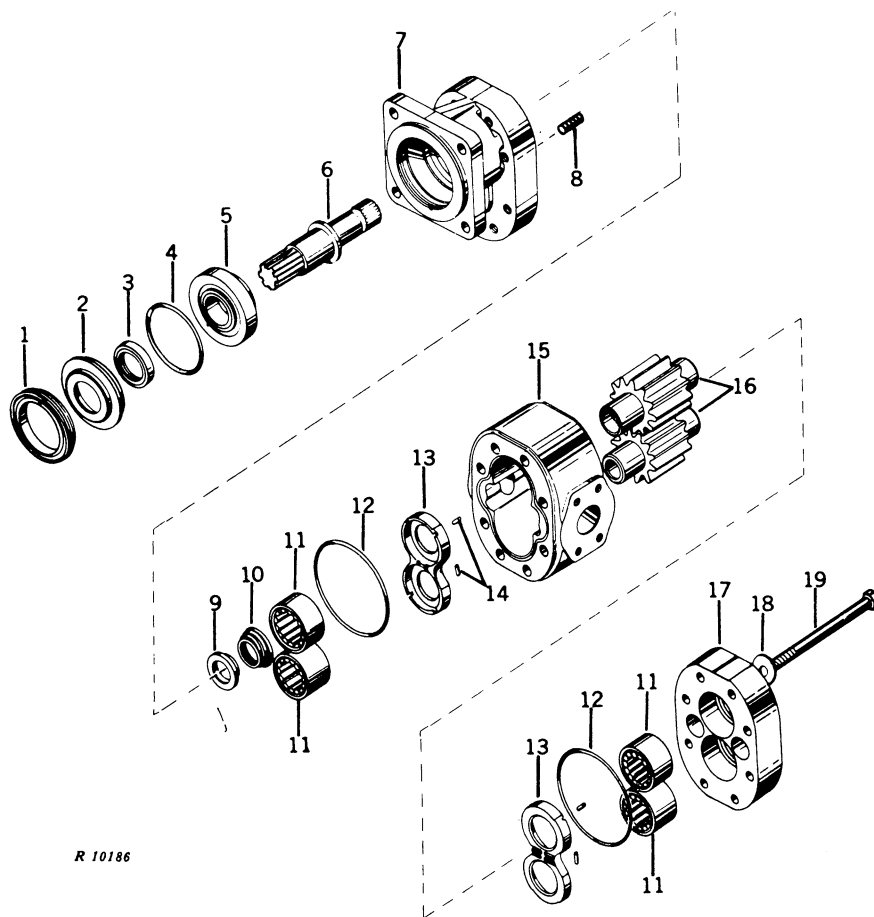
STEERING PUMP HYDRAULIC OIL LINES



STEERING PUMP HYDRAULIC OIL LINES -- Continued

Key	Part No.	Tractor Serial No.	Description
1	R 47151	(-)	O-ring (2 used)
2	R 37144 R	(-)	Adapter, reducer (2 used)
3	R 27150 R	(-)	Elbow, 45° swivel (sub. AH19770)
4	R 27237 R	(-)	Connector
5	R 47150	(-)	Packing, O-ring (2 used) (packed 5 in a pkg.)
6	R 37147 R	(-)	Adapter, reducer
7	AH 77612	(-)	Elbow, 90° swivel
8	R 37142 R	(-)	Elbow, 90° swivel (3 used)
9	R 37151 R	(-)	Line, flexible oil
10	R 37143 R	(-)	Line, flexible oil (3 used)
11	R 37145 R	(-)	Elbow, 45° swivel (3 used)
12	.....	( - )	Screw, cap, high-strength, 7/16" x 2" (2 used)
	.....	( - )	Washer, lock, 7/16" (2 used)
13	R 37049 R	(-)	Clamp (4 used)
14	R 37141 R	(-)	Line, flexible oil
15	R 37146 R	(-)	Line, flexible oil
16	R 37148 R	(-)	Line, flexible oil
17	AR 29270 R	(-)	Line, flexible oil
18	.....	( - )	Screw, cap, high-strength, 1/2" x 5"
	.....	( - )	Washer, lock, 1/2" (8 used)
19	A 4730 R	(-)	Packing, O-ring (4 used) (packed 5 in a pkg.)
20	R 29424 R	(-)	Flange, split half (8 used)
21	.....	( - )	Screw, cap, high-strength, 3/8" x 1-1/4" (16 used)
22	AR 29896 R	(-)	Cylinder, steering (see page 50-6 for parts)
23	AR 26723 R	(-)	Elbow, 90° adjustable (sub. AT32331)
24	AR 29895 R	(-)	Elbow, 90° adjustable
25	R 37149 R	(-)	Line, flexible oil
26	AR 37140 R	(-)	Line, flexible oil
27	R 37024 R	(-)	Inlet, steering pump
28	AR 29878 R	(-)	Pump, hydraulic, 40 gpm steering (see page 55-6 for parts)
29	R 37025 R	(-)	Gasket
30	.....	( - )	Screw, cap, high-strength, 1/2" x 1-7/8"
	.....	( - )	Screw, cap, high-strength, 1/2" x 1-5/8"
	.....	( - )	Washer, lock, 1/2" (2 used)
31	R 47145	(-)	Packing, O-ring (2 used) (packed 2 in a pkg.)
32	R 37023 R	(-)	Flange, split half (4 used)
33	.....	( - )	Screw, cap, high-strength, 1/2" x 1-1/2" (8 used)
34	.....	( - )	Nut, hex., 1/2"
	.....	( - )	Washer, lock, 1/2"
35	R 29421 R	(-)	Gasket, pump drive flange
36	R 47145	(-)	Packing, O-ring (2 used) (packed 2 in a pkg.)
37	R 37152 R	(-)	Spacer, steering pump relief valve
38	R 29423 R	(-)	Packing, O-ring (sub. B3690R)
39	R 29422 R	(-)	Flange, split half
40	D 364 R	(-)	Stud, 1/2" x 2-1/8" (4 used)
	.....	( - )	Nut, 1/2" (4 used) (sub. K2019R)
	.....	( - )	Washer, lock, 1/2" (4 used)

40 GPM STEERING AND HYDRAULIC PUMP (AR29878R)
 60 GPM HYDRAULIC PUMP (AR29879R) -- Continued



R 10186

Key	Part No.	Tractor Serial No.	Description
1	R 39627	(-)	Ring, retainer
2	R 39635	(-)	Retainer, seal
3	AN 32717 N	(-)	Seal, oil
4	U 12331 U	(-)	Packing, O-ring
5	JD 8252	(-)	Cup, taper roller bearing
	JD 8930	(-)	Cone, taper roller bearing
6	R 39628	(-)	Shaft, drive
7	R 39633	(-)	Cover, pump
8	R 31952 R	(-)	Screw, socket set, pressure side
9	R 39634	(-)	Bushing, shaft
10	R 39636	(-)	Spring
11	R 39630	(-)	Bearing, roller (4 used)
12	R 39695	(-)	Packing, O-ring (2 used) (sub. U44083)
13	R 39632	(-)	Plate, wear (2 used)
14	R 39631	(-)	Strip, pocket seal (one strip used)
15	R 39623	(-)	Housing, pump (AR29878R only)
	R 39628	(-)	Housing, pump (AR29879R only)
16	R 39625	(-)	Gears, set of matched pump (AR29878R only)
	R 39639	(-)	Gears, set of matched pump (AR29879R only)
17	R 39629	(-)	Adapter, pump
18	R 39637	(-)	Washer (8 used)
19	R 39626	(-)	Screw, cap (8 used) (AR29878R only)
	R 39640	(-)	Screw, cap (8 used) (AR29879R only)

Parts listed below are assemblies of parts in this grouping.

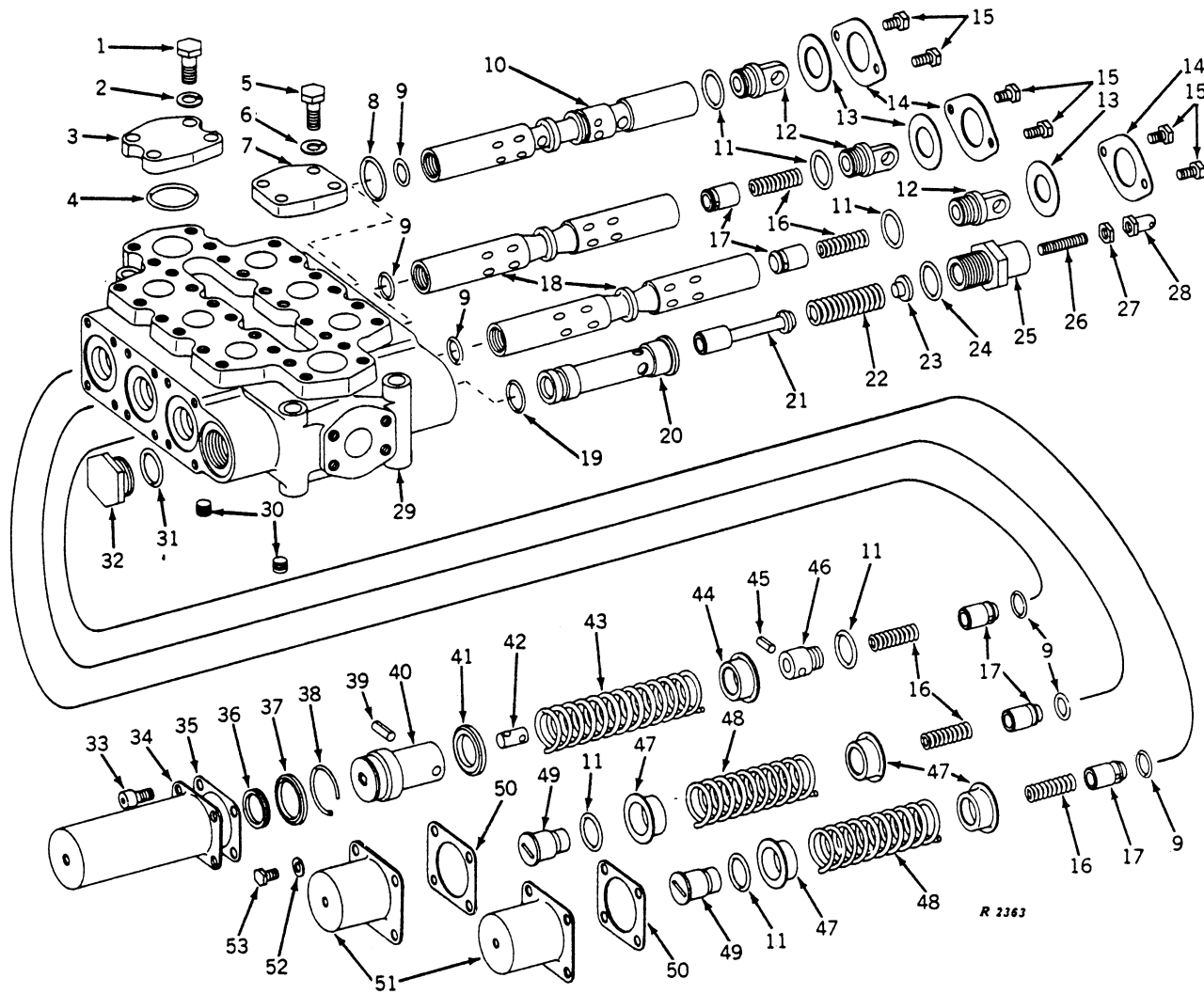
AR 29878 R	(-)	Pump, steering and hydraulic (40 gpm)
AR 29879 R	(-)	Pump, hydraulic (60 gpm)

Part listed below not illustrated.

AR 29622	(-)	Valve, relief
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MEMORANDA

2-SPOOL HYDRAULIC CONTROL VALVE (AR29329R)
 3-SPOOL HYDRAULIC CONTROL VALVE (AR29330R)



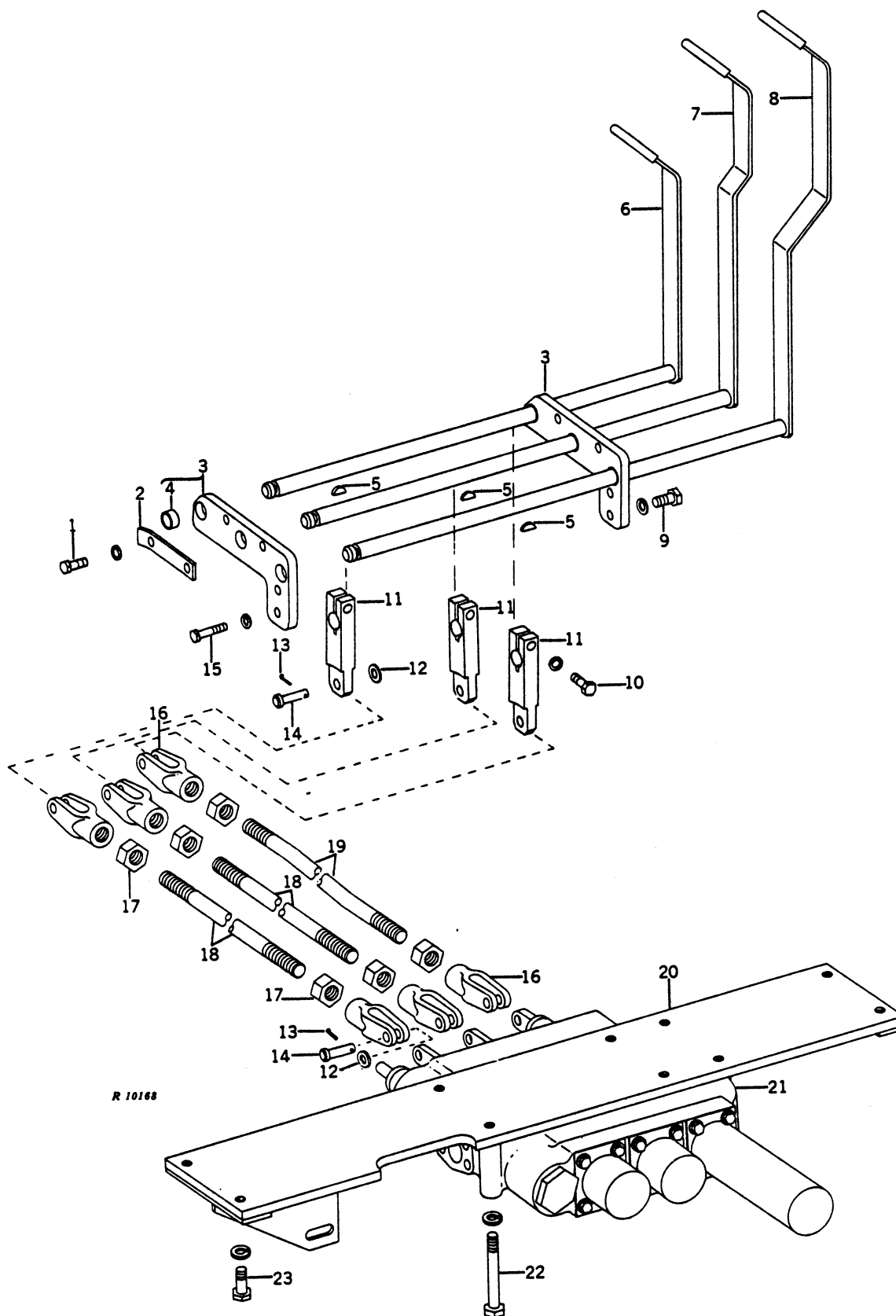
2-SPOOL HYDRAULIC CONTROL VALVE (AR29329R)
3-SPOOL HYDRAULIC CONTROL VALVE (AR29330R) -- Continued

Key	Part No.	Tractor Serial No.	Description
1	.....	( - )	Screw, cap, 1/2" x 1-1/4" (4 used)
2	.....	( - )	Washer, lock, 1/2" (4 used)
3	R 29468 R	(-)	Cover, inlet cavity
4	R 47145	(-)	Packing, O-ring (packed 2 in a pkg.)
5	.....	( - )	Screw, cap, 7/16" x 1-1/4" (4 used)
6	.....	( - )	Washer, lock, 7/16" (4 used)
7	R 29466 R	(-)	Cover, return cavity
8	R 47155	(-)	Packing, O-ring
9	R 47147	(-)	Packing, O-ring (4 used on AR29329R) (6 used on AR29330R) (packed 5 in a pkg.)
10	.....	( - )	Not furnished (order AR29329R or AR29330R)
11	R 47148	(-)	Packing, O-ring (4 used on AR29329R) (6 used on AR29330R) (packed 2 in a pkg.)
12	R 29435 R	(-)	Eye (2 used on AR29329R) (3 used on AR29330R)
13	R 29442 R	(-)	Wiper, plunger (2 used on AR29329R) (3 used on AR29330R)
14	R 29443 R	(-)	Retainer, plunger wiper (2 used on AR29329R) (3 used on AR29330R)
15	.....	( - )	Screw, cap, 5/16" x 3/4" (4 used on AR29329R) (6 used on AR29330R)
16	R 29437 R	(-)	Spring (3 used on AR29329R) (5 used on AR29330R)
17	R 29433 R	(-)	Piston, check valve (3 used on AR29329R) (5 used on AR29330R)
18	.....	( - )	Not furnished (order AR29329R or AR29330R)
19	R 47144	(-)	Packing, O-ring (packed 5 in a pkg.)
20	R 29457 R	(-)	Seat, relief valve
21	R 29459 R	(-)	Plunger, relief valve
22	R 29460 R	(-)	Spring, relief valve
23	R 29461 R	(-)	Guide, relief valve spring
24	R 47152	(-)	Packing, O-ring (packed 2 in a pkg.)
25	R 29462 R	(-)	Cap, relief valve
26	22H 800 R	(-)	Screw, set, 3/8" x 1-3/4"
27	.....	( - )	Nut, jam, 3/8"
28	R 29464 R	(-)	Nut, special cap
29	.....	( - )	Not furnished (order AR29329R or AR29330R)
30	15H 624	(-)	Plug, pipe (2 used)
31	R 47152	(-)	Packing, O-ring (packed 2 in a pkg.)
32	R 29465 R	(-)	Plug, special
33	R 26456 R	(-)	Screw, special cap (4 used) (sub. AR44356)
34	AR 29274 R	(-)	Cover, detent cap
35	R 29455 R	(-)	Gasket, detent cap cover
36	R 29453 R	(-)	Ring, retaining
37	R 29451 R	(-)	Spacer, ring
38	R 29454 R	(-)	Snap ring
39	34H 105	(-)	Pin, roll, 1/4" x 1-1/2"
40	R 29448 R	(-)	Cap, detent
41	R 29449 R	(-)	Washer, special
42	R 29450 R	(-)	Pin, swivel
43	R 29452 R	(-)	Spring
44	R 29446 R	(-)	Retainer, spring
45	34H 102	(-)	Pin, roll, 1/4" x 1-1/8"
46	R 29447 R	(-)	Cap
47	R 29735 R	(-)	Retainer, spring (2 used on AR29329R) (4 used on AR29330R)
48	R 29438 R	(-)	Spring (1 used on AR29329R) (2 used on AR29330R)
49	R 29434 R	(-)	Cap (1 used on AR29329R) (2 used on AR29330R)
50	R 29440 R	(-)	Gasket, plunger spring cover (1 used on AR29329R) (2 used on AR29330R)
51	R 29439 R	(-)	Cover, plunger spring (1 used on AR29329R) (2 used on AR29330R)
52	.....	( - )	Washer, lock, 5/16" (4 used on AR29329R) (8 used on AR29330R)
53	.....	( - )	Screw, cap, 5/16" x 3/4" (4 used on AR29329R) (8 used on AR29330R)

Parts listed below are assemblies of parts listed in this grouping.

AR 29329 R	(-)	Valve, hydraulic control (2 spool)
AR 29330 R	(-)	Valve, hydraulic control (3 spool)

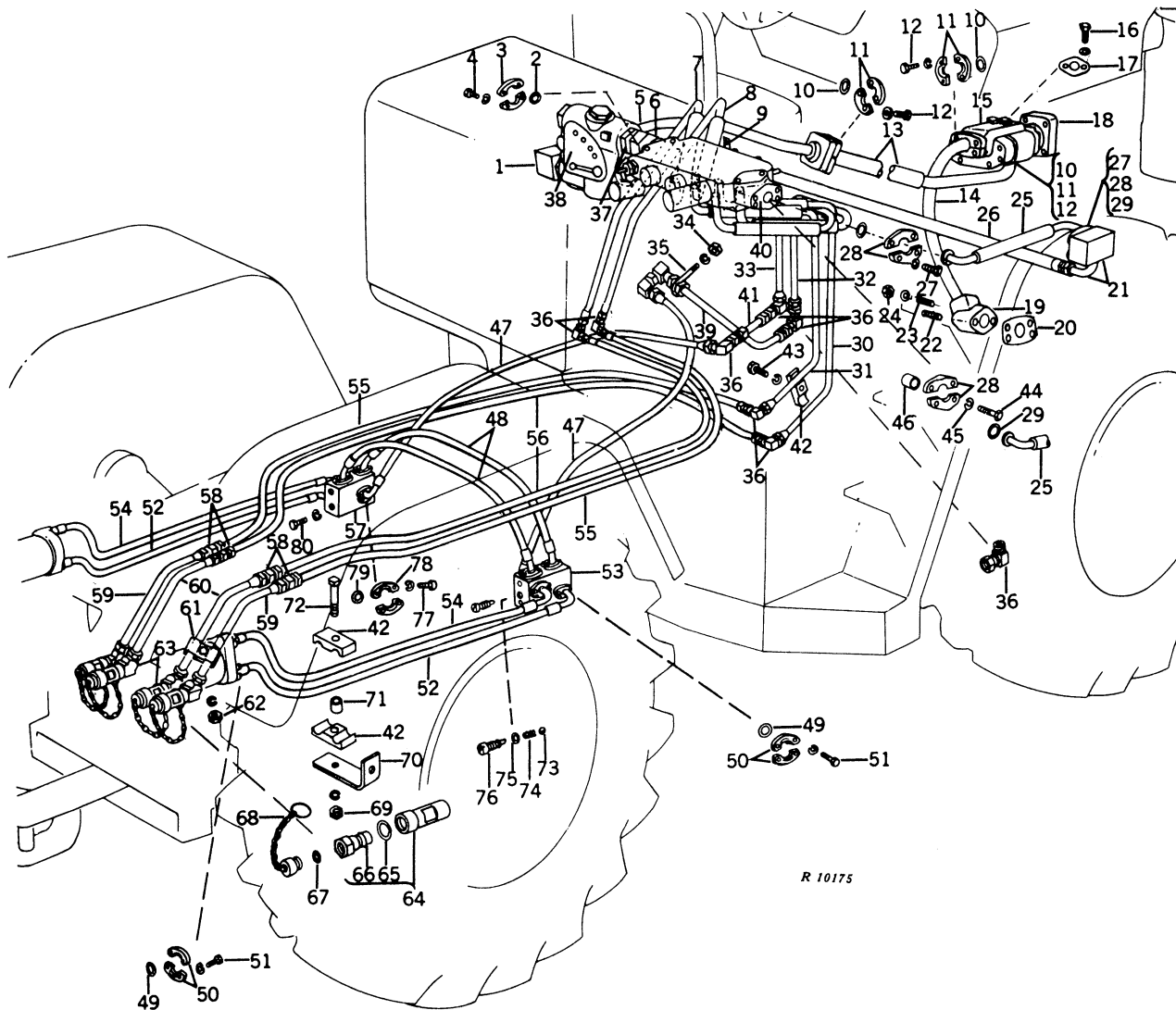
HYDRAULIC CONTROL SHAFTS AND LEVERS



HYDRAULIC CONTROL SHAFT AND LEVERS -- Continued

Key	Part No.	Tractor Serial No.	Description
1	.....	( - )	Screw, cap, 3/8" x 3/4" (2 used)
	.....	( - )	Washer, lock, 3/8" (2 used)
2	R 29377 R	(-)	Keeper, control valve shaft
3	AR 29241 R	(-)	Support, valve control shaft, with bushing (2 used)
4	R 27116 R	(-)	Bushing (6 used)
5	26H 14	(-)	Key, Woodruff (3 used) (packed 5 in a pkg.)
6	AR 29920 R	(-)	Lever, valve control, with grip (no. 1 circuit)
7	AR 29921 R	(-)	Lever, valve control, with grip (no. 2 circuit)
8	AR 29922 R	(-)	Lever, valve control, with grip (no. 3 circuit)
9	.....	( - )	Screw, cap, high-strength, 1/2" x 1" (4 used)
	.....	( - )	Washer, lock, 1/2" (4 used)
10	.....	( - )	Screw, cap, high-strength, 3/8" x 1-3/8" (3 used)
	.....	( - )	Washer, lock, 3/8" (3 used)
11	R 29378 R	(-)	Arm, control valve shaft (3 used)
12	24H 1625	(-)	Washer, 17/32" x 1" x .134" (3 used)
13	.....	( - )	Pin, cotter, 1/8" x 1" (6 used)
14	D 1994 R	(-)	Pin, control valve link (6 used)
15	.....	( - )	Screw, cap, high-strength, 1/2" x 1-1/4" (4 used)
	.....	( - )	Washer, lock, 1/2" (4 used)
16	R 37189 R	(-)	Yoke (6 used)
17	.....	( - )	Nut, 3/4" (6 used)
18	R 37190 R	(-)	Rod, hydraulic control valve (no. 2 and 3 circuit) (2 used)
19	R 37188 R	(-)	Rod, hydraulic control valve (no. 1 circuit) (1 used)
20	AR 29923 R	(-)	Support, hydraulic control valve
21	AR 29329 R	(-)	Valve, hydraulic control (2 spool) (see page 55-8 for parts)
	AR 29330 R	(-)	Valve, hydraulic control (3 spool) (see page 55-8 for parts)
22	.....	( - )	Screw, cap, high-strength, 1/2" x 4" (4 used)
	.....	( - )	Washer, lock, 1/2" (4 used)
23	.....	( - )	Screw, cap, high-strength, 1/2" x 1-1/8"
	.....	( - )	Washer, lock, 1/2"

REMOTE CYLINDER AND ROCKSHAFT HYDRAULIC OIL LINES

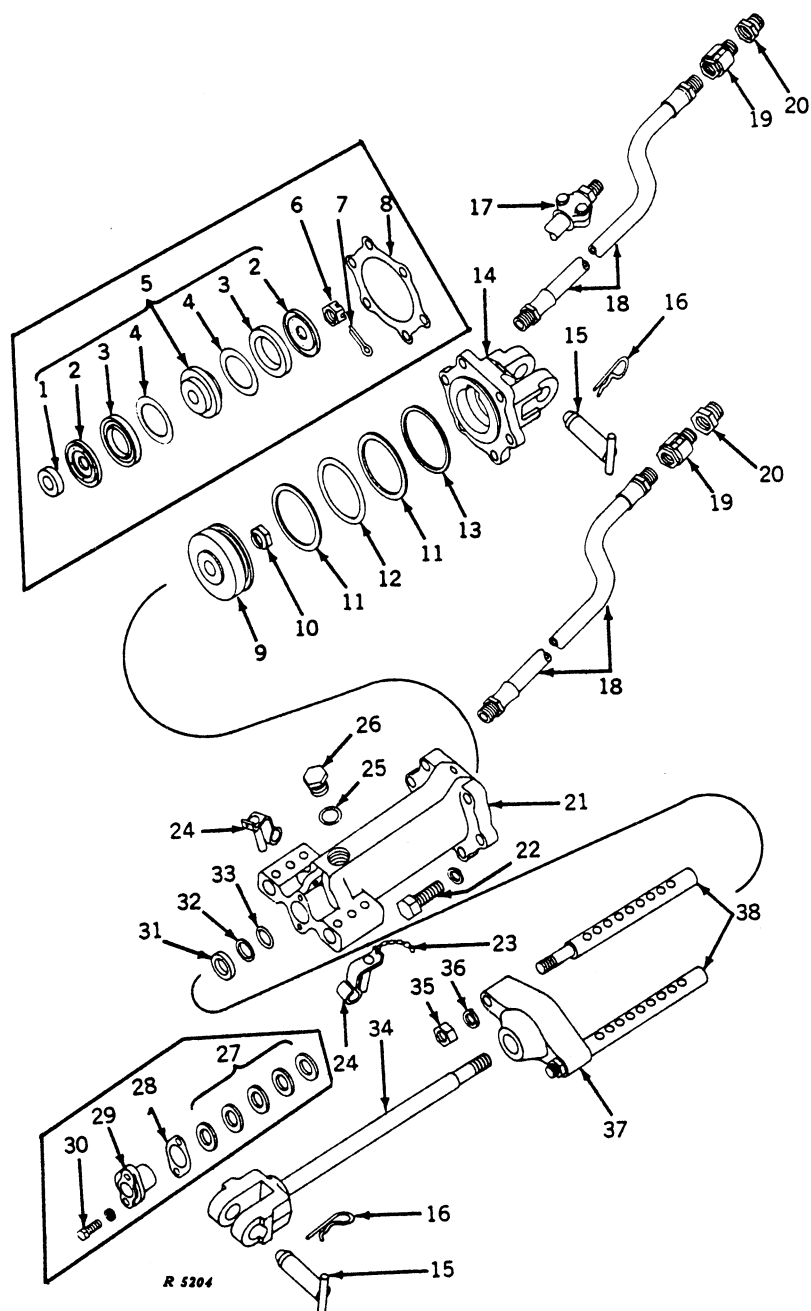


Key	Part No.	Tractor Serial No.	Description
1	AR 29709 R	(-)	Elbow, 90° adjustable (2 used)
	R 47156	(-)	Packing, O-ring (2 used)
2	R 29868 R	(-)	Packing, O-ring (7 used, 3 spool) (6 used, 2 spool) (sub. U10289)
3	R 29867 R	(-)	Flange, split half (14 used, 3 spool) (12 used, 2 spool)
4	.....	( - )	Screw, cap, high-strength, 7/16" x 1-1/4" (28 used, 3 spool) (24 used, 2 spool)
	.....	( - )	Washer, lock, 7/16" (28 used, 3 spool) (24 used, 2 spool)
5	R 37027 R	(-)	Line, oil
6	R 37186 R	(-)	Line, hydraulic oil control valve pressure
7	R 37194 R	(-)	Line, flexible oil
8	R 37195 R	(-)	Line, flexible oil
9	R 37193 R	(-)	Clip
10	R 47146	(-)	Packing, O-ring (3 used) (packed 2 in a pkg.)
11	R 37023 R	(-)	Flange, split half (6 used)
12	.....	( - )	Screw, cap, high-strength, 1/2" x 1-1/2" (12 used)
	.....	( - )	Washer, lock, 1/2" (12 used)
13	R 37026 R	(-)	Line, flexible oil
14	R 37022 R	(-)	Line, flexible oil
15	R 37024 R	(-)	Inlet, hydraulic pump
16	.....	( - )	Screw, cap, high-strength, 1/2" x 1-7/8"
	.....	( - )	Screw, cap, high-strength, 1/2" x 1-3/8"
	.....	( - )	Washer, lock, high-strength, 1/2" (2 used)
17	R 37025 R	(-)	Gasket, hydraulic pump inlet
18	AR 29878 R	(-)	Pump, hydraulic (40 gpm) (see page 55-6 for parts)
	AR 29879 R	(-)	Pump, hydraulic (60 gpm) (see page 55-6 for parts)
19	R 37021 R	(-)	Outlet, reservoir

REMOTE CYLINDER AND ROCKSHAFT HYDRAULIC OIL LINES -- Continued

Key	Part No.	Tractor Serial No.	Description
20	R 29229 R	(-)	Gasket, reservoir outlet
21	R 37192 R	(-)	Block, junction, with tube
22	14 R	(-)	Stud, 1/2" x 5-1/2"
23	D 364 R	(-)	Stud, 1/2" x 2-1/8" (sub. K2019R)
24	.....	( - )	Nut, 1/2" (2 used)
	.....	( - )	Washer, lock, 1/2" (2 used)
25	R 37191 R	(-)	Line, flexible oil
26	R 37185 R	(-)	Line, flexible oil
27	.....	( - )	Screw, cap, 1/2" x 1-1/2" (8 used)
	.....	( - )	Washer, lock, 1/2" (8 used)
28	R 29422 R	(-)	Flange, split half (4 used)
29	R 29423 R	(-)	Packing, O-ring (2 used) (sub. B3690R)
30	R 37197 R	(-)	Line, flexible oil
31	R 37196 R	(-)	Line, flexible oil
32	R 37198 R	(-)	Line, flexible oil (3 spool only)
33	R 37199 R	(-)	Line, flexible oil (3 spool only)
34	.....	( - )	Nut, hex., 7/16"
	.....	( - )	Washer, lock, 7/16"
35	R 37296 R	(-)	Clamp
36	AR 29422 R	(-)	Elbow, 90°, swivel (10 used, 3 spool) (9 used, 2 spool) (sub. AT33917)
37	R 37187 R	(-)	Adapter
	R 47156	(-)	Packing, O-ring
38	AR 29700 R	(-)	Valve, flow divider
39	R 37200 R	(-)	Line, oil
40	AR 29329 R	(-)	Valve, hydraulic (2 spool) (see page 55-8 for parts)
	AR 29330 R	(-)	Valve, hydraulic (3 spool) (see page 55-8 for parts)
41	R 37201 R	(-)	Line, oil
42	R 37049 R	(-)	Clamp (17 used)
43	.....	( - )	Screw, cap, high-strength, 7/16" x 2-1/2" (10 used)
	.....	( - )	Washer, lock, 7/16" (10 used)
44	.....	( - )	Screw, cap, high-strength, 1/2" x 4-1/2" (2 used) (2 spool)
	.....	( - )	Screw, cap, high-strength, 1/2" x 1-1/2" (2 used) (3 spool)
45	.....	( - )	Washer, lock, 1/2"
46	R 37203 R	(-)	Spacer (2 spool)
47	AR 29654 R	(-)	Line, flexible oil (2 used)
48	AR 29657 R	(-)	Line, flexible oil (36-3/4" long) (2 used)
49	R 47155	(-)	Packing, O-ring (12 used)
50	R 29424 R	(-)	Flange, split half (24 used)
51	.....	( - )	Screw, cap, high-strength, 3/8" x 1-1/4" (72 used)
	.....	( - )	Washer, lock, 3/8" (72 used)
52	AR 29655 R	(-)	Line, flexible oil (51" long) (2 used)
53	R 30611 R	(-)	Block, rockshaft cylinder line junction, R.H.
54	AR 29656 R	(-)	Line, flexible oil (48" long) (2 used)
55	AR 29421 R	(-)	Line, flexible oil (90" long) (2 used)
56	AR 29420 R	(-)	Line, flexible oil (87-3/8" long) (2 used)
57	R 30612 R	(-)	Block, rockshaft cylinder line junction, L.H.
58	R 37066 R	(-)	Adapter (4 used)
59	R 37068 R	(-)	Line, breakaway coupler oil, outer (2 used)
60	R 37067 R	(-)	Line, breakaway coupler oil, inner (2 used)
61	R 37293 R	(-)	Spacer, coupler oil line to rear frame, top (2 used)
	R 37292 R	(-)	Clamp, coupler oil line to rear frame, bottom (2 used)
	.....	( - )	Screw, cap, high-strength, 9/16" x 3-1/2" (2 used)
62	.....	( - )	Washer, lock, 9/16" (2 used)
	.....	( - )	Nut, 9/16" (2 used)
63	R 37069 R	(-)	Elbow, street, 45° (4 used)
64	AR 29423 R	(-)	Coupler, breakaway (4 used)
65	R 29354 R	(-)	Packing, O-ring (4 used) (packed 2 in a pkg.)
66	AR 29560 R	(-)	Tip, male (4 used)
67	F 3353 R	(-)	Packing, O-ring (4 used) (packed 2 in a pkg.)
68	AR 29958 R	(-)	Plug, dust, with chain (4 used)
69	.....	( - )	Nut, hex. 7/16" (2 used)
	.....	( - )	Washer, lock, 7/16" (2 used)
70	R 37048 R	(-)	Bracket (2 used)
71	28H 1697	(-)	Spacer (2 used)
72	.....	( - )	Screw, cap, high-strength, 7/16" x 3" (2 used)
73	D 2361 R	(-)	Ball (2 used)
74	F 3322 R	(-)	Spring (2 used)
75	R 459 R	(-)	Packing, O-ring (2 used) (packed 2 in a pkg.)
76	R 30637 R	(-)	Plug, relief valve (2 used)
77	.....	( - )	Screw, cap, 3/8" x 1-1/4" (8 used)
78	R 29844 R	(-)	Flange, split half (4 used)
79	U 12037 U	(-)	Packing, O-ring (2 used)
80	.....	( - )	Screw, cap, 5/8" x 1-1/2" (4 used)
	.....	( - )	Washer, lock, 5/8" (4 used)

REMOTE CYLINDER



REMOTE CYLINDER -- Continued

Key	Part No.	Cylinder Serial No.	Description
1	F 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.)
4	F 919 R	(4RC10100-55636)	Washer, treated paper (2 used) (packed 5 in a pkg.)
5	AF 1105 R	(4RC10100-55636)	Piston, F916R, with packing, retainers, and spacer
6	C 1104 R	(4RC100-55636)	Nut, slotted, 7/8" (packed 25 in a pkg.)
7	.....	(4RC100-55636)	Pin, cotter, 1/8" x 1-1/4"
8	F 829 R	(4RC100-55636)	Gasket (packed 5 in a pkg.)
9	R 2638 R	(4RC55637-)	Piston
10	F 2439 R	(4RC55637-)	Nut, special hex. lock (sub. R41198)
11	R 2639 R	(4RC55637-)	Washer, backing, paper (2 used) (packed 2 in a pkg.)
12	A 5598 R	(4RC55637-)	Packing, O-ring (packed 2 in a pkg.)
13	R 2637 R	(4RC55637-)	Packing (packed 2 in a pkg.)
14	F 898 R	(4RC6903-55636)	Cap, remote cylinder
	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.)
17	AR 1058 R*	(4RC100-)	Coupling, service, for flexible oil line
18	AR 1448 R*	(4RC100-)	Line, flexible oil, 5/8" I.D. x 94" long (2 used)
19	AR 1839 R	(4RC100-)	Valve, thermal relief (2 used)
20	15H 519	(4RC100-)	Bushing, pipe (2 used)
21	F 827 R	(4RC100-55636)	Cylinder
	R 2635 R	(4RC55637-)	Cylinder
22	.....	(4RC100-)	Screw, cap, 5/8" x 1-3/4" (6 used)
	.....	(4RC100-)	Washer, lock, 5/8" (6 used)
23	A 3184 R	(4RC100-)	Chain
	D 2913 R	(4RC100-)	Link, chain end (2 used)
24	AF 871 R	(4RC100-)	Pin, stop, with spring (2 used) (sub. AR68146)
25	D 465 R	(4RC100-)	Gasket (packed 2 in a pkg.)
26	H 945 R	(4RC100-)	Plug
27	AF 872 R	(4RC100-55636)	V-seal assembly
28	F 837 R	(4RC100-55636)	Shim (thin) (packed 5 in a pkg.)
29	F 836 R	(4RC100-55636)	Retainer, seal
30	.....	(4RC27459-55636)	Screw, cap, high-strength, 3/8" x 1-1/4" (2 used)
	.....	(4RC100-55636)	Washer, lock, 3/8" (2 used)
31	AP 19547 H	(4RC55637-)	Seal, oil, piston rod wiper
32	F 1432 R	(4RC55637-)	Washer, piston rod packing (packed 2 in a pkg.)
33	R 47144	(4RC55637-)	Packing, O-ring, piston rod (packed 10 in a pkg.)
34	AF 1073 R	(4RC100-55636)	Rod, piston, with F899R yoke
	AR 1717 R	(4RC55637-)	Rod, piston, with F899R yoke
35	.....	(4RC100-)	Nut, jam, 3/4" (2 used)
36	.....	(4RC100-)	Washer, lock, 3/4" (2 used)
37	F 839 R	(4RC100-)	Stop, piston rod
38	F 840 R	(4RC100-)	Rod (2 used)

Parts listed below are assemblies of parts in this grouping.

AF 1304 R**	(4RC100-55636)	CYLINDER, REMOTE, 4" x 8" (ATTACHMENT) (SUB. AR1716R)
AR 1716 R**	(4RC55637-)	Cylinder, remote, 4" x 8"
AR 29208 R**	(4RC55637-)	CYLINDER, AR1716R, REMOTE, 4" x 8", WITH OIL LINES AND THERMAL RELIEF VALVE (ATTACHMENT)

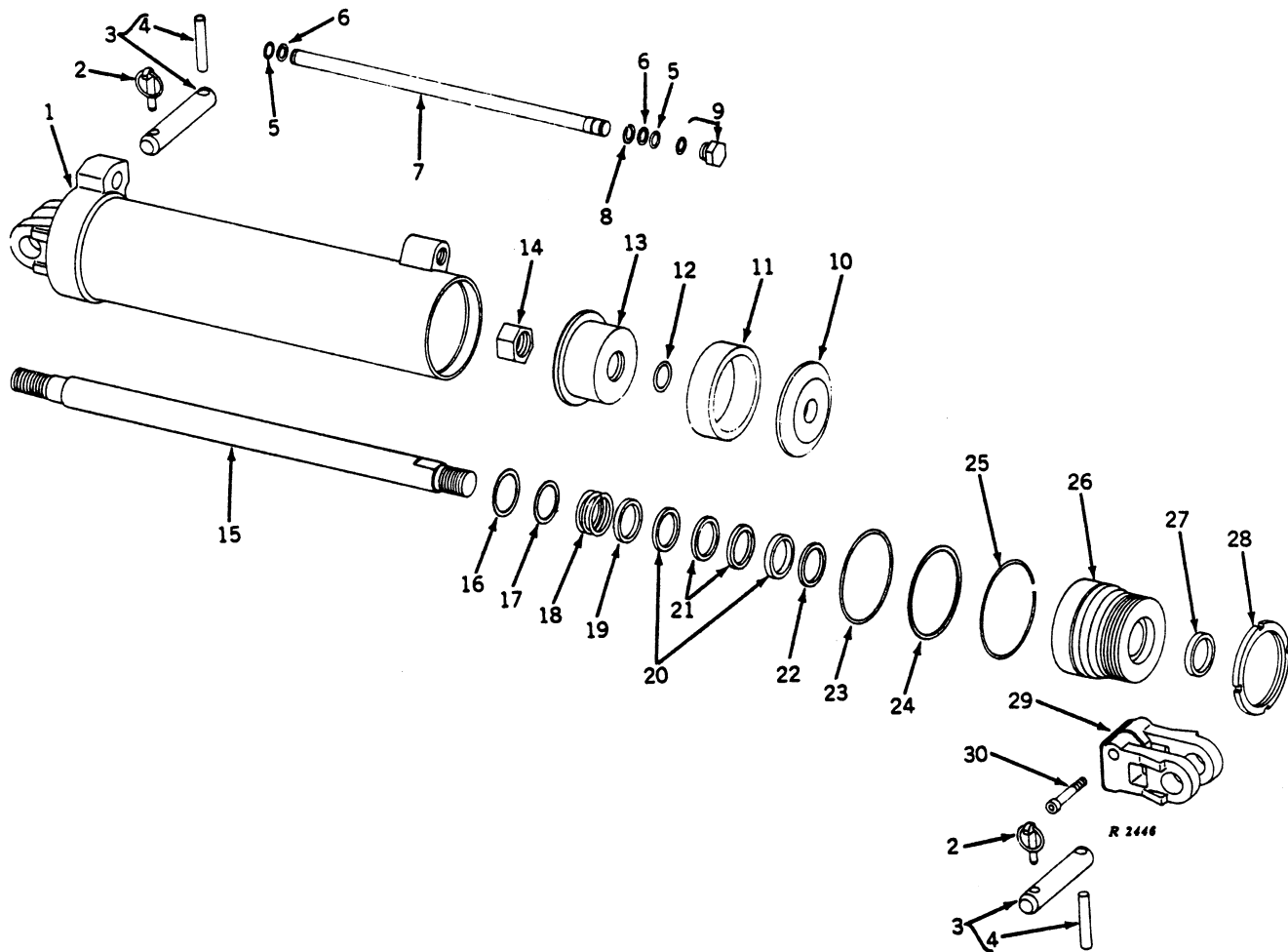
Parts listed below are used for servicing 4" cylinders.

AR 21773 R	(4RC100-55636)	Kit, remote cylinder overhaul
AR 21774 R	(4RC55637-)	Kit, remote cylinder overhaul (sub. AR67388)

*For reusable oil line couplings and bulk oil lines, see page 55-20.

**Use 2 or more in parallel on each hydraulic circuit

REMOTE CYLINDER (AR29433R)



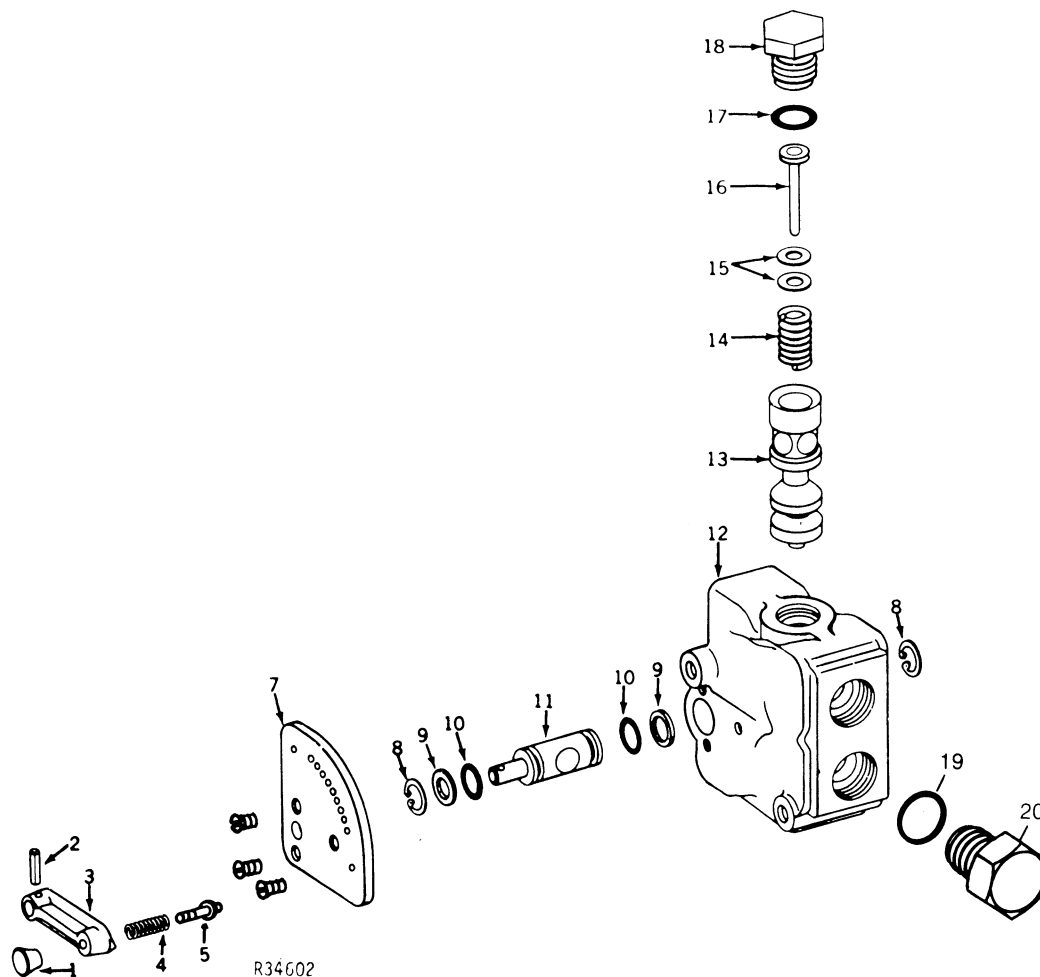
REMOTE CYLINDER (AR29433R) -- Continued

Key	Part No.	Tractor Serial No.	Description
1	AR 29596 R	(-)	Cylinder
2	AR 29597 R	(-)	Pin, klik (2 used)
3	AR 29605 R	(-)	Pin, clevis, with groove pin (2 used)
4	25H 895	(-)	Pin, groove (2 used)
5	R 31537 R	(-)	Packing, O-ring (2 used)
6	R 30323 R	(-)	Ring, back up (2 used)
7	R 30338 R	(-)	Tube, rod end oil
8	R 30332 R	(-)	Ring, retaining
9	AR 29598 R	(-)	Plug, with O-ring
10	R 30340 R	(-)	Piston (sub. AR52502)
11	AR 29602 R	(-)	Packing, "V" (sub. AR52502)
12	R 30319 R	(-)	Packing, O-ring
13	R 30341 R	(-)	Retainer, packing (sub. AR52502)
14	R 30333 R	(-)	Nut, special hex. lock
15	R 30339 R	(-)	Rod, piston
16	R 30349 R	(-)	Snap ring, piston rod
17	R 30348 R	(-)	Retainer, spring, piston rod
18	R 30347 R	(-)	Spring, piston rod (packed 2 in a pkg.)
19	R 30346 R	(-)	Retainer, seal, piston rod
20	R 30352 R	(-)	Packing, piston rod (2 used)
21	R 30351 R	(-)	Packing, piston rod (2 used)
22	R 30350 R	(-)	Packing, piston rod
23	C 11884 C	(-)	Packing, O-ring
24	R 30324 R	(-)	Washer, leather, piston rod bearing
25	R 30335 R	(-)	Snap ring, piston rod bearing
26	R 30345 R	(-)	Bearing, piston rod
27	AR 29599 R	(-)	Seal, oil, piston rod
28	R 30327 R	(-)	Nut, bearing, lock
29	R 30343 R	(-)	End, rod
30	R 30344 R	(-)	Screw, special cap, rod end
..	AR 29504	(-)	Hose, remote cylinder

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

AR 29433 R (-) Cylinder, remote, 5" x 16", complete

HYDRAULIC FLOW DIVIDER VALVE



Key	Part No.	Tractor Serial No.	Description
1	R 31675 R	(-)	Knob
2	34H 77	(-)	Pin, roll
3	R 31684 R	(-)	Handle
4	R 31680 R	(-)	Spring, handle latch
5	R 31681 R	(-)	Pin, locking handle latch
6	R 31678 R	(-)	Screw, machine, name plate (3 used)
7	R 31687 R	(-)	Plate, name
8	R 31677 R	(-)	Ring, retaining, control valve (2 used)
9	R 31686 R	(-)	Ring, back-up control valve (2 used)
10	R 47154	(-)	Seal, O-ring (2 used)
11	R 31685 R	(-)	Valve, control
12	R 31689 R	(-)	Body, flow divider
13	R 31688 R	(-)	Piston
14	R 31682 R	(-)	Spring, piston
15	A 3030 R	(-)	Washer, piston spring (as required)
16	R 39558	(-)	Retainer, spring
17	R 47156	(-)	Packing, O-ring
18	R 39557	(-)	Plug
19	U 13639	(-)	O-ring
20	R 31683	(-)	Plug

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

AR 29700 R (-) Valve, hydraulic flow divider

O-RING PACKING KIT

Part No.	Serial No.	Description
AR 34473 R	(-)	Kit, O-ring, packing, consisting of: (sub. AR73500)
	5	A 3606 R
	10	A 3917 R
	10	A 4365 R
	5	A 4540 R
	5	A 4730 R
	10	B 2762 R
	5	B 3685 R
	10	F 3353 R
	10	R 375 R
	10	R 394 R
	10	R 459 R
	5	R 460 R
	5	R 495 R
	5	R 1138 R
	5	R 1225 R
	10	R 10093 R
	10	R 26976 R
	5	R 27149 R
	10	R 27490 R
	5	R 29463 R
	5	R 30319 R
	10	R 34802 R
	10	R 34812 R
	5	P 45750 H
	10	P 46051 H
	10	P 48347 H
	10	T 13119 T
	5	U 10289 U
	5	U 11017 U
	5	U 12037 U

O-RING KIT

Key	Part No.	Tractor Serial No.	Description
AR	73500	(-)	Kit, O-ring, consisting of: (sub. for AR34473)
		9	A 3606 R 32 R 10093 32 R 35155
		32	A 3917 R 10 R 26149 36 R 42878
		32	A 4365 R 18 R 26286 13 R 43780
		9	A 4730 R 34 R 26287 8 R 47102
		11	A 4847 R 15 R 26375 9 R 50378
			16 R 26448 9 R 50420
		9	B 2762 R 13 R 26906 25 R 50426
		6	B 3685 R 10 R 26919 15 R 51203
		8	B 3690 R 9 R 27149 18 R 60038
			18 R 27166
		10	F 2741 R 32 R 27490 18 T 11934
		11	F 3171 R 18 R 27564 13 T 12860
		13	F 3353 R 18 R 27928 13 T 13119
			32 R 27976 8 T 17882
		13	P 46051 18 R 28776 10 T 22851
		13	P 48347 32 R 28782
		9	P 50631 9 R 29463 9 U 10289
			11 R 29936 6 U 11017
		13	R 375 R 9 R 30319 12 U 11343
		13	R 394 R 36 R 30903 11 U 12547
		13	R 459 R 9 R 31378 10 U 13639
		9	R 460 R 40 R 31468 18 U 15192
		9	R 495 R 13 R 34404 18 U 15415
		9	R 1225 R 24 R 34447 18 U 15980
		9	R 1662 R 32 R 34812 11 U 17409

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

Coupling No.	I.D.	Thread
AF 3585 R	3/8"	3/8" - 18 MPTF (packed 2 in a pkg.)
AF 3586 R	1/2"	1/2" - 14 NPTF (packed 2 in a pkg.)
AF 3587 R	5/8"	3/4" - 14 NPTF (packed 2 in a pkg.)
AF 3588 R	3/4"	3/4" - 14 NPTF (packed 2 in a pkg.)
R 34644 R	3/8"	3/4" - 16 O-ring type thread
R 34646 R	1/2"	3/4" - 16 O-ring type thread

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

Coupling No.	I.D.	Thread
AR 21629 R	3/8"	3/4" - 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 21634 R	1"	1" - 11-1/2 NPTF (packed 2 in a pkg.)
R 34645 R	3/8"	3/4" - 16 O-ring type thread
R 34647 R	1/2"	3/4" - 16 O-ring type thread

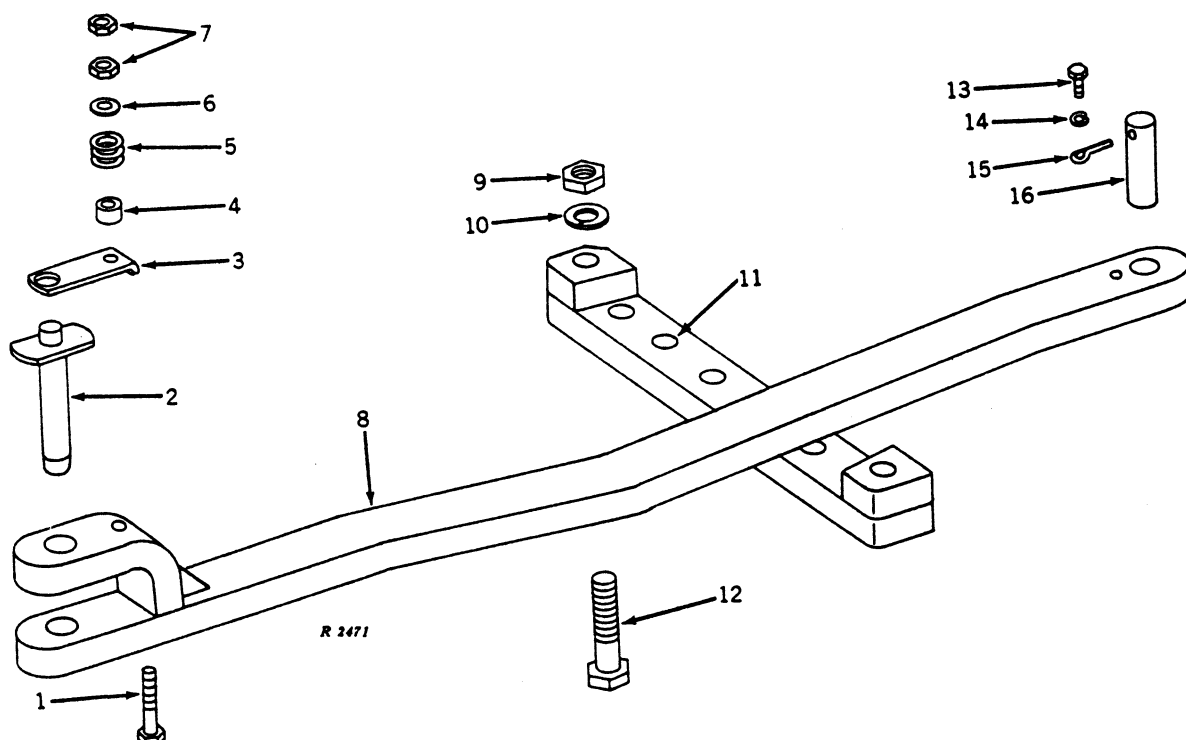
 BULK SINGLE WIRE BRAID FLEXIBLE OIL LINE (Use with Reusable Coupling
for Single Wire Braid Flexible Oil Line)

Part No.	I.D.	O.D.	Length
A 5775 R	3/8"	25/32"	Approx. 50 ft.
A 5776 R	1/2"	29/32"	Approx. 50 ft.
A 5775 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)

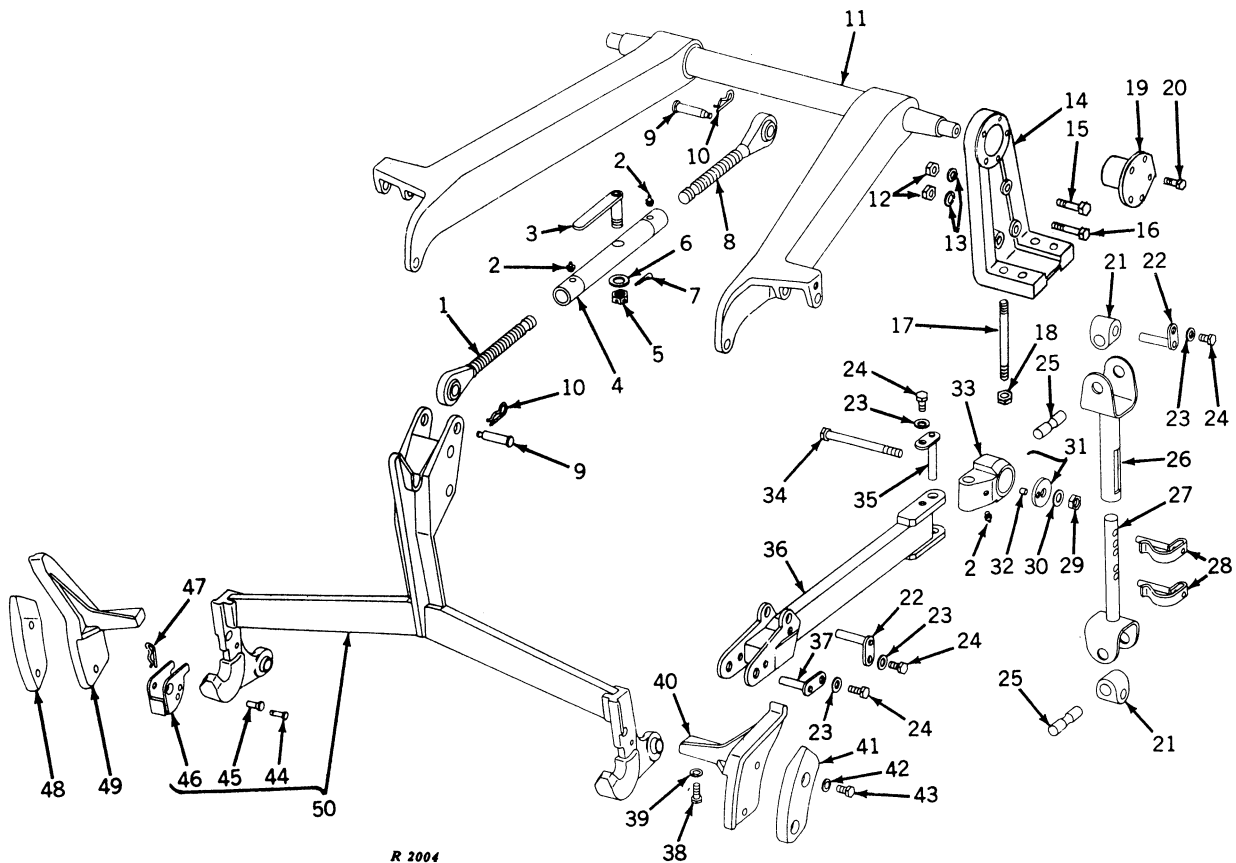
Part No.	I.D.	O.D.	Length
R 21531 R	3/8"	29/32"	Approx. 50 ft.
R 21532 R	1/2"	31/32"	Approx. 50 ft.
R 21533 R	5/8"	1-3/32"	Approx. 50 ft.
R 21534 R	3/4"	1-1/4"	Approx. 50 ft.
R 21535 R	1"	1-9/16"	Approx. 50 ft.

DRAWBAR



Key	Part No.	Tractor Serial No.	Description
1	.....	( - )	Screw, cap, 5/8" x 4", special
2	AR 29138 R	(-)	Pin, drawbar, with strap
3	F 3539 R	(-)	Retainer, drawbar pin
4	F 3542 R	(-)	Spacer
5	F 3541 R	(-)	Spring
6	24H 1372	(-)	Washer, 21/32" x 1-1/2" x .048"
7	14H 479	(-)	Nut, jam, 5/8", special (2 used)
8	AR 29137 R	(-)	Drawbar
9	.....	( - )	Nut, hex., 1" (4 used)
10	.....	( - )	Washer, lock, 1" (4 used)
11	AR 29613 R	(-)	Support, drawbar, rear (not furnished)
12	.....	( - )	Screw, cap, 1" x 5-1/2" (2 used)
	.....	( - )	Screw, cap, 1" x 6" (2 used)
13	.....	( - )	Screw, cap, 3/8" x 1-1/4"
14	(-)	Washer, lock, 3/8"
15	(-)	Pin, cotter, 7/16" x 2"
16	R 29204 R	(-)	Pin, drawbar pivot

IMPLEMENT HITCH



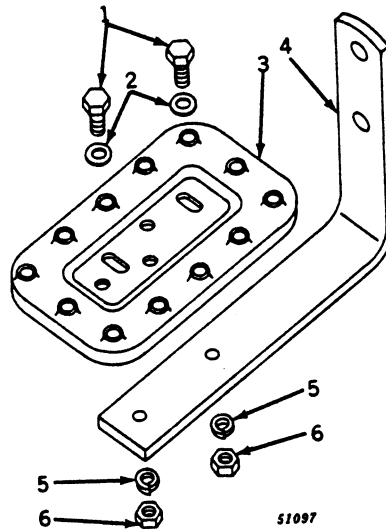
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Key	Part No.	Tractor Serial No.	Description
1	AR 29430 R	()	End, center link, with ball, R.H. threads
2	JD 7797	()	Fitting, grease (4 used)
3	AR 29432 R	()	Handle, center link adjusting
4	AR 29429 R	()	Tube, center link
5	H 597 R	()	Nut, special slotted
6	24H 1365	()	Washer, 21/32" x 1" x .090"
7	.....	( )	Pin, cotter, 1/8" x 1-1/2"
8	AR 29431 R	()	End, center link, with ball, L.H. threads
9	R 29875 R	()	Pin, headed (2 used)
10	F 2830 R	()	Pin, spring locking (2 used) (sub. A3581R)
11	AR 29873 R	()	Rockshaft, with lift arm (do not stock)
	JD 7759	()	Fitting, grease (2 used)
12	.....	( )	Nut, 3/4" (6 used)
13	.....	( )	Washer, lock, 3/4" (6 used)
14	R 29595 R	()	Bracket, rear frame and rockshaft, R.H.
	R 29596 R	()	Bracket, rear frame and rockshaft, L.H.
15	.....	( )	Screw, cap, 3/4" x 3-1/2" (4 used)
16	.....	( )	Screw, cap, 3/4" x 4-1/4" (2 used)
17	R 29597 R	()	Stud, 1" x 10-1/2" (8 used)
18	.....	( )	Nut, 1" (8 used)
19	R 29812 R	()	Quill, rockshaft (2 used)
20	.....	( )	Screw, cap, 7/16" x 1-1/2"
21	R 37047 R	()	Pivot, lift link (4 used)
22	AR 29380 R	()	Pin, lift link, with plate (4 used)
23	.....	( )	Washer, lock, 7/16" (8 used)
24	.....	( )	Screw, cap, 7/16" x 3/4" (8 used)
25	R 29790 R	()	Pin, lift link pivot (4 used)
26	AR 29876 R	()	Tube, lift link, with yoke (2 used)
27	AR 29875 R	()	Bar, lift link, with yoke (2 used)
28	AR 29379 R	()	Pin, with handle (4 used)
29	.....	( )	Nut, hex., 1-1/4" (2 used)
30	.....	( )	Washer, lock, 1-1/4" (2 used)
31	AR 29389 R	()	Retainer, draft link pivot, with pin (2 used)

IMPLEMENT HITCH -- Continued

Key	Part No.	Tractor Serial No.	Description
32	A 4879 R	(-)	Pin, dowel (2 used)
33	R 37046 R	(-)	Pivot, draft link (2 used)
34	.....	( - )	Screw, cap, 1/4" x 9-1/2" (2 used)
35	AR 29388 R	(-)	Pin, draft link pivot, with plate (2 used)
36	AR 29874 R	(-)	Link, draft (2 used)
37	AR 29435 R	(-)	Pin, implement coupler pivot, with plate (2 used)
38	.....	( - )	Screw, cap, 1" x 6" (4 used)
39	.....	( - )	Washer, lock, 1" (4 used)
40	R 30358 R	(-)	Stop, sway, R.H.
41	R 30360 R	(-)	Lockout, sway, R.H.
42	.....	( - )	Washer, lock, 3/4" (4 used)
43	.....	( - )	Screw, cap, 3/4" x 1-7/8" (4 used)
44	F 2048 R	(-)	Pin, headed (2 used)
45	R 29912 R	(-)	Rivet, special (2 used)
46	AR 29436 R	(-)	Latch, implement coupler (3 used)
47	A 5067 R	(-)	Pin, spring locking (2 used)
48	R 30361 R	(-)	Lockout, sway, L.H.
49	R 30359 R	(-)	Stop, sway, L.H.
50	AR 29434 R	(-)	Coupler, implement

TRACTOR STEP

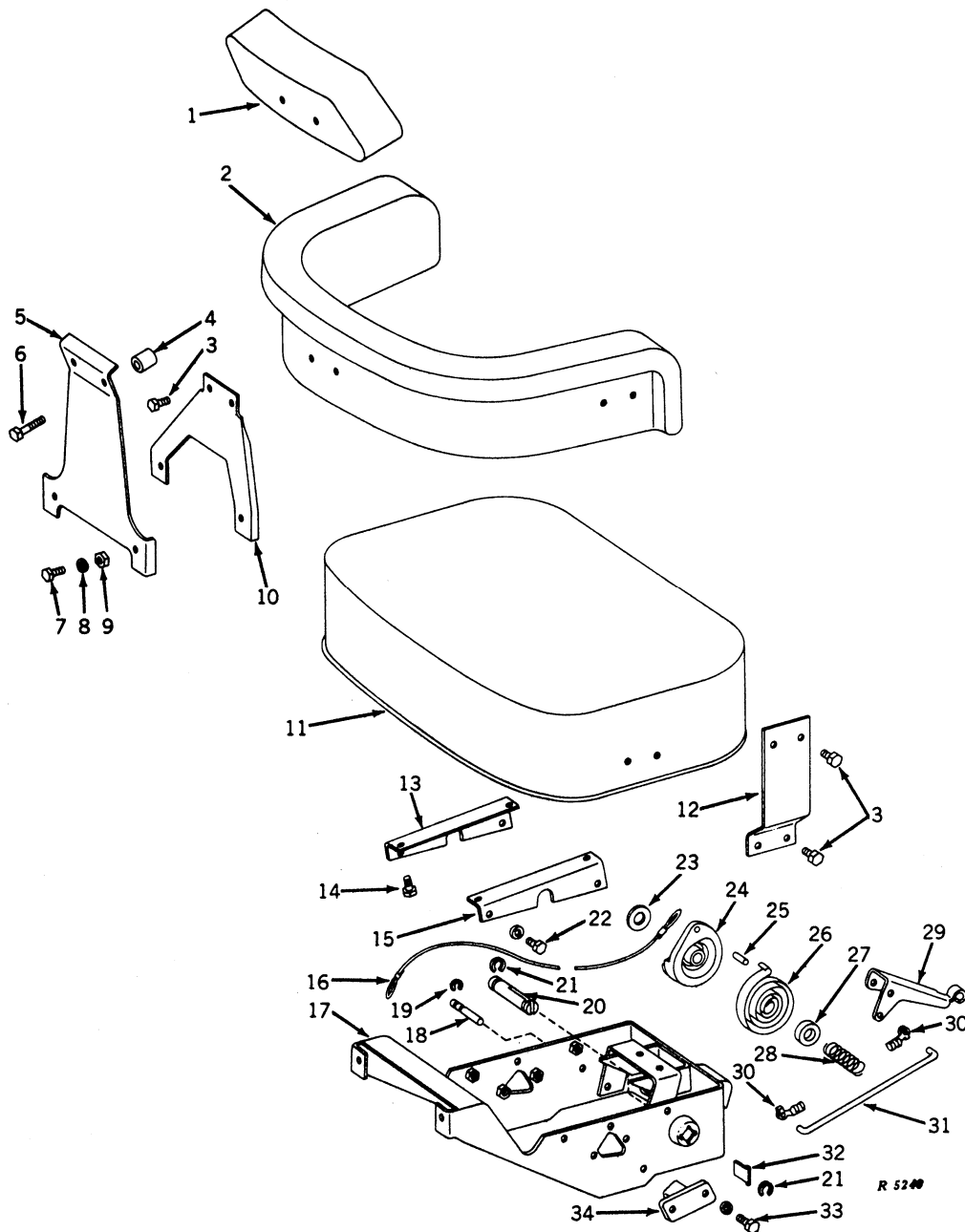


Key	Part No.	Serial No.	Description
1	.....	( - )	Screw, cap, high-strength, 3/8" x 1-1/4" (4 used)
2	24H 1305	(-)	Washer, 23/64" x 7/8" x 16 gauge (4 used)
3	F 3195 R	(-)	Step, tractor (2 used)
4	A 5234 R	(-)	Support, tractor step (2 used)
5	.....	( - )	Washer, lock, 3/8" (4 used)
6	.....	( - )	Nut, 3/8" (4 used)

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

AA 6092 R	(-)	STEP, TRACTOR, WITH SUPPORT AND HARDWARE (ATTACHMENT) (2 used)
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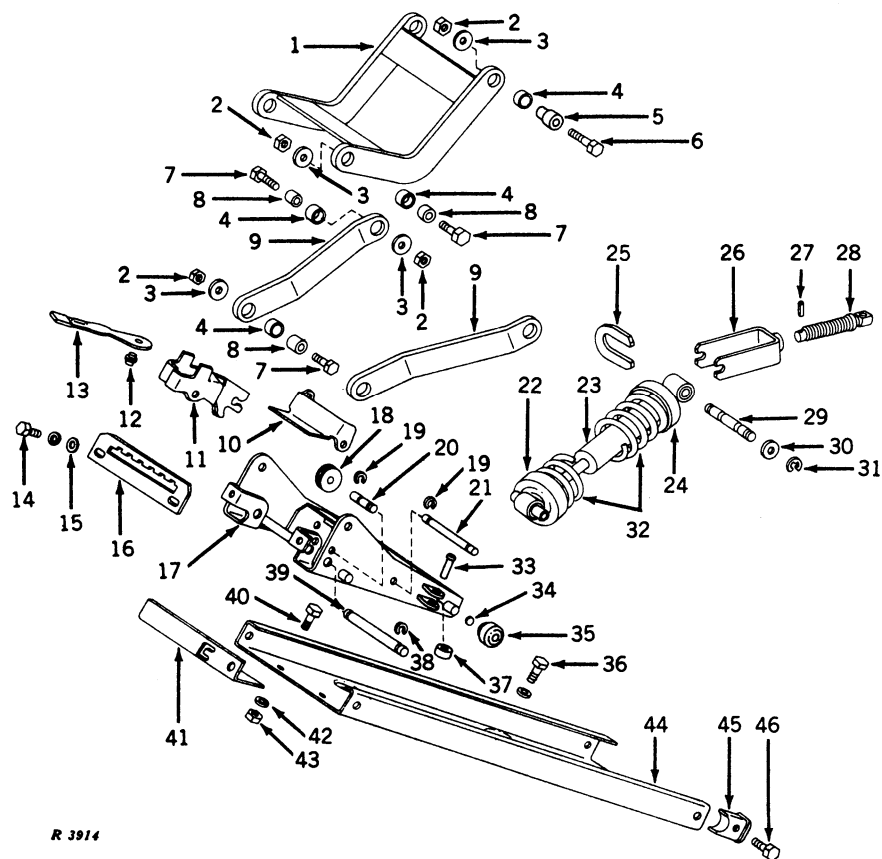
DELUXE SEAT



DELUXE SEAT -- Continued

Key	Part No.	Tractor Serial No.	Description
1	R 34267 R	(-)	Back, seat upper (yellow)
	R 34619 R	(-)	Cover, upper seat back (yellow)
2	R 34268 R	(-)	Back, seat (yellow)
	R 34620 R	(-)	Cover, seat back (yellow)
3	19H 1813	(-)	Screw, cap, high-strength, 5/16" x 5/8" (10 used) (packed 5 in a pkg.)
4	24H 448	(-)	Washer, 25/32" x 1-1/8" x .090" (2 used)
5	R 34282 R	(-)	Support, upper seat back
6	.....	( - )	Screw, cap, high-strength, 5/16" x 1-1/2" (2 used)
7	19H 1900	(-)	Screw, cap, high-strength, 5/16" x 3/4" (2 used)
8	12H 303	(-)	Washer, lock, 5/16" (2 used)
9	14H 785	(-)	Nut, 5/16" (2 used)
10	R 30443 R	(-)	Support, lower seat back, rear
11	R 34266 R	(-)	Cushion, seat (yellow)
	R 34618 R	(-)	Cover, seat cushion (yellow)
	R 34609 R	(-)	Cover, seat cushion (white canvas)
12	R 31512 R	(-)	Support, seat back, front, R.H.
	R 31513 R	(-)	Support, seat back, front, L.H.
13	R 30442 R	(-)	Support, seat cushion, L.H.
14	19H 1813	(-)	Screw, cap, high-strength, 5/16" x 5/8" (4 used)
15	R 30441 R	(-)	Support, seat cushion, R.H.
16	AR 28339 R	(-)	Cable, wire, seat counterbalance reel
17	AR 28341 R	(-)	Frame, seat, assembly
18	R 30435 R	(-)	Shaft, seat latch handle
19	F 3396 R	(-)	Ring, retaining (2 used) (packed 2 in a pkg.)
20	R 30431 R	(-)	Shaft, seat counterbalance reel
21	A 369 R	(-)	Snap ring (2 used) (packed 10 in a pkg.)
22	19H 1813	(-)	Screw, cap, high-strength, 5/16" x 5/8" (4 used)
	12H 303	(-)	Washer, lock, 5/16" (4 used)
23	24H 1395	(-)	Washer, 25/32" x 1-7/16" x .060"
24	R 26432 R	(-)	Reel, seat counterbalance
25	34H 77	(-)	Pin, roll, 3/16" x 1"
26	R 31260 R	(-)	Spring
27	R 30432 R	(-)	Spacer
28	A 4744 R	(-)	Spring
29	T 14033 T	(-)	Handle, seat latch
30	R 26524 R	(-)	Clip, clevis, R.H. (2 used)
31	T 14037 T	(-)	Rod, seat latch
32	R 26434 R	(-)	Latch, seat counterbalance shaft
33	19H 2127	(-)	Screw, cap, high-strength, 5/16" x 7/8" (4 used)
	12H 303	(-)	Washer, lock, 5/16" (4 used)
34	R 30440 R	(-)	Stop, seat (2 used)

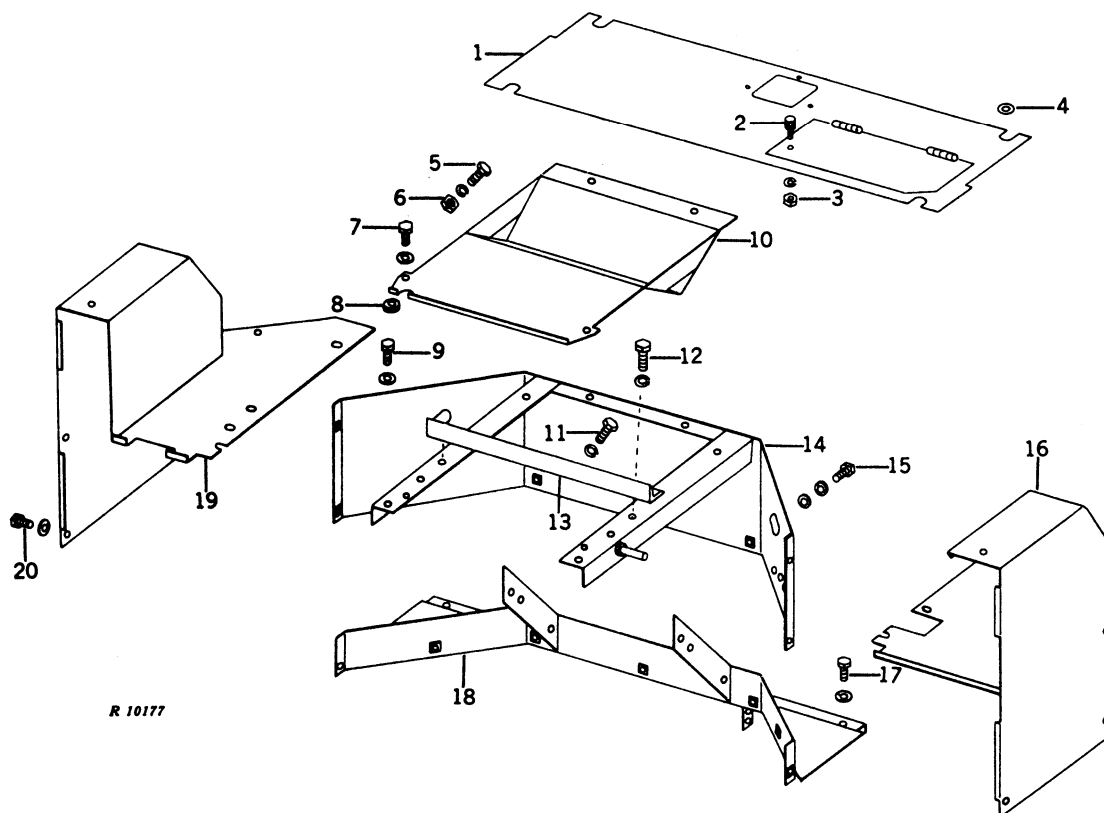
DELUXE SEAT COUNTERBALANCE ASSEMBLY



DELUXE SEAT COUNTERBALANCE ASSEMBLY -- Continued

Key	Part No.	Tractor Serial No.	Description
1	AR 31979 R	(-)	Arm, seat, with bushings
2	C 744 DN	(-)	Nut, lock (8 used)
3	R 27441 R	(-)	Washer (8 used)
4	R 36704 R	(-)	Bushing (8 used) (packed 2 in a pkg.)
5	R 30429 R	(-)	Bearing (2 used)
6	19H 1765	(-)	Screw, cap, high-strength, 3/8" x 1-3/4" (2 used)
7	19H 1139	(-)	Screw, cap, high-strength, 3/8" x 1-1/8" (8 used)
8	R 27440 R	(-)	Bearing (6 used)
9	AR 31978 R	(-)	Link, seat, with bushings (2 used)
10	T 14035 T	(-)	Arm, seat latch lift
11	T 14032 T	(-)	Latch, seat
12	T 14031 T	(-)	Pin, special
13	R 37288 R	(-)	Lever, seat position selector
14	19H 1227	(-)	Screw, cap, high-strength, 1/4" x 1/2" (2 used)
	12H 302	(-)	Washer, lock, 1/4" (2 used)
15	24H 1287	(-)	Washer, 9/32" x 5/8" x .060" (2 used)
16	T 14038 T	(-)	Indicator, seat position
17	AR 30317 R	(-)	Carrier, seat, assembly
18	R 30433 R	(-)	Pulley, seat counterbalance reel cable
19	F 3396 R	(-)	Ring, retaining (4 used) (packed 2 in a pkg.)
20	R 30434 R	(-)	Shaft, seat counterbalance reel cable pulley
21	R 30426 R	(-)	Shaft, seat latch lift arm
22	R 27442 R	(-)	Cap, lower
23	AR 27572 R	(-)	Shock absorber
24	R 28937 R	(-)	Cap, upper
25	R 28938 R	(-)	Retainer
26	AR 28340 R	(-)	Yoke, adjusting
27	34H 41	(-)	Pin, roll, 1/8" x 3/4"
28	R 30439 R	(-)	Screw, adjusting
29	R 30436 R	(-)	Shaft, shock absorber
30	R 30610 R	(-)	Spacer (2 used) (packed 5 in a pkg.)
31	R 30437 R	(-)	Ring, retaining (2 used)
32	R 26877 R	(-)	Spring
33	R 662 R	(-)	Pin, headed (2 used)
34	R 31411 R	(1T13499-)	Shim, .010" steel, seat roller shaft, right rear and left front (quantity used as required)
35	R 31261 R	(-)	Roller (4 used)
36	19H 1936	(-)	Screw, cap, high-strength, 3/8" x 3/4" (4 used)
	12H 304	(-)	Washer, lock, 3/8" (4 used)
37	R 31262 R	(-)	Roller, guide (2 used)
38	P 44982 H	(-)	Ring, retaining (2 used) (packed 2 in a pkg.)
39	R 30425 R	(-)	Shaft, seat latch
40	19H 1227	(-)	Screw, cap, high-strength, 1/4" x 5/8" (2 used)
41	R 37042	(-)	Bracket, seat, counterbalance reel cable (not exactly as illustrated)
42	12H 302	(-)	Washer, lock, 1/4" (2 used)
43	14H 786	(-)	Nut, 1/4" (2 used)
44	AT 13140 T	(-)	Rail, seat, assembly
45	R 28157 R	(-)	Stop, seat rail roller (4 used)
46	19H 1936	(-)	Screw, cap, high-strength, 3/8" x 3/4" (4 used)

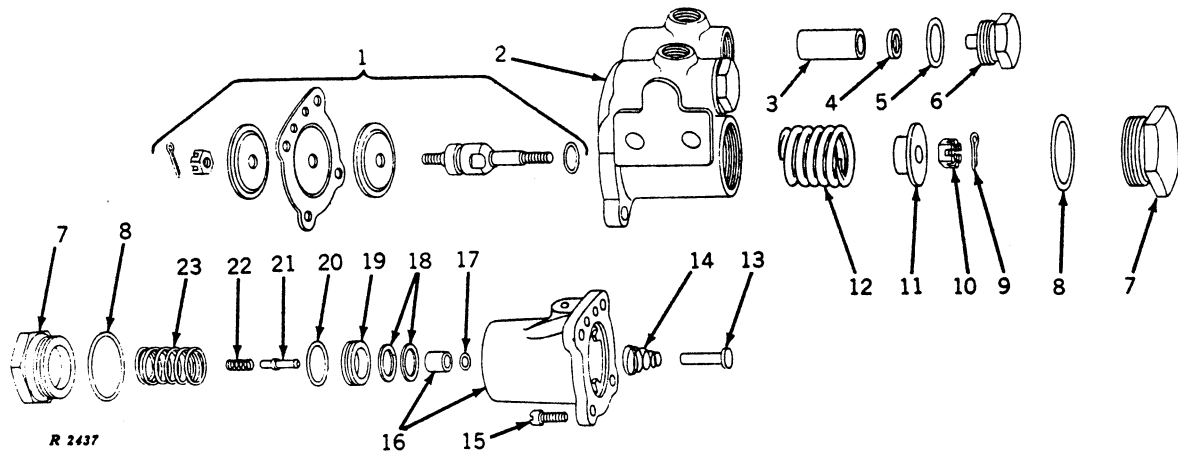
SEAT SUPPORT AND PLATFORM



R 10177

Key	Part No.	Tractor Serial No.	Description
1	AR 29858 R	-	Platform (Do not stock)
2	R 27890 R	-	Knob
3	.....	-	Nut, hex., 1/4"
4	24H 1211	-	Washer, lock, 1/4"
5	.....	-	Washer, plain, 17/32" x 1-3/8" x .120" (4 used)
6	.....	-	Screw, cap, high-strength, 3/8" x 7/8" (2 used) seat rail to fuel tank
7	.....	-	Washer, lock, 3/8", seat rail to fuel tank
8	R 2579 R	-	Nut, hex., 3/8", seat rail to fuel tank
9	.....	-	Screw, cap, high-strength, 3/8" x 3/4" (4 used)
10	AR 29866 R	-	Washer, lock, 3/8"
11	.....	-	Grommet
12	.....	-	Screw, cap, high-strength, 3/8" x 1" (2 used)
13	AR 29865 R	-	Washer, lock, 3/8" (2 used)
14	AR 29915 R	-	Plate, seat shield, center
15	.....	-	Screw, cap, high-strength, 3/8" x 7/8"
16	AR 29916 R	-	Washer, lock, 3/4"
17	.....	-	Screw, cap, high-strength, 5/16" x 7/8"
18	AR 29247 R	-	Washer, lock, 5/16"
19	AR 29917 R	-	Angle, seat rail with supports
20	.....	-	Support, seat
	.....	-	Screw, cap, high-strength, 3/8" x 1" (12 used)
	.....	-	Washer, lock, 3/8" (12 used)
	.....	-	Washer, 13/32" x 11/16" x .060" (20 used)
	.....	-	Shield, seat, R.H.
	.....	-	Screw, cap, high-strength, 1/2" x 2" (2 used)
	.....	-	Washer, lock, 1/2"
	.....	-	Frame, seat support
	.....	-	Shield, seat, L.H.
	.....	-	Screw, cap, high-strength, 3/8" x 1-1/4" (2 used)
	.....	-	Washer, lock, 3/8" (2 used)

AIR PRESSURE GOVERNOR (AR29071R)



Key	Part No.	Tractor Serial No.	Description
1	AR 29516 R	(-)	Stem and diaphragm
2	R 30090 R	(-)	Body, spring
3	.....*	( - )	Filter (2 used)
4	.....*	( - )	Washer, rubber, filter cap (2 used)
5	.....*	( - )	Packing, filter cap (2 used)
6	R 30096 R	(-)	Cap, filter (2 used)
7	R 30087 R	(-)	Cap, end (2 used)
8	.....*	( - )	Packing (2 used)
9	.....	( - )	Pin, cotter, 1/16" x 1/2"
10	R 30213 R	(-)	Nut, special castle
11	R 30092 R	(-)	Seat, spring
12	R 30091 R	(-)	Spring
13	R 30089 R	(-)	Stem, air pressure governor
14	R 30088 R	(-)	Spring
15	21H 1259	(-)	Screw (4 used)
16	AR 29515 R	(-)	Body, valve assembly
17	R 30078 R	(-)	Bushing, valve body
18	.....**	( - )	Packing, O-ring
19	R 30079 R	(-)	Shim, .010" copper
20	R 30080 R	(-)	Shim, .003" brass
21	R 30082 R	(-)	Seat, air pressure governor valve
22	.....*	( - )	Packing, O-ring
23	R 30083 R	(-)	Valve, air pressure governor
	R 30084 R	(-)	Spring, air pressure governor
	R 30085 R	(-)	Spring, air pressure governor valve seat

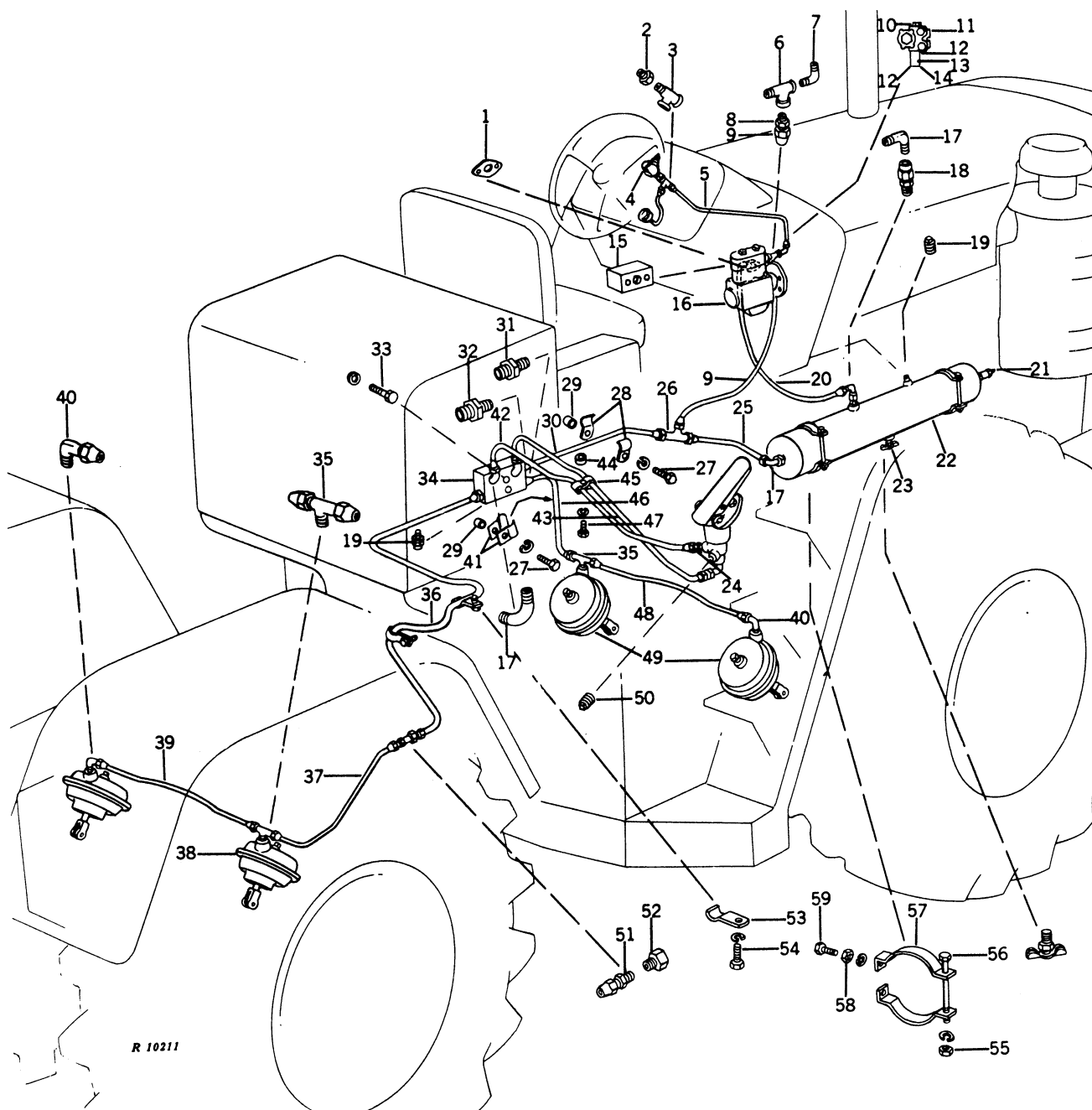
Part listed below is an assembly of parts in this grouping.

AR 29071 R (-) Governor, air pressure

*Not furnished separately, order AR29621R, air pressure governor maintenance kit.

**Not furnished separately, order either AR29515R, body assembly, or AR29621R, air pressure governor maintenance kit.

COMPRESSED AIR CIRCUIT

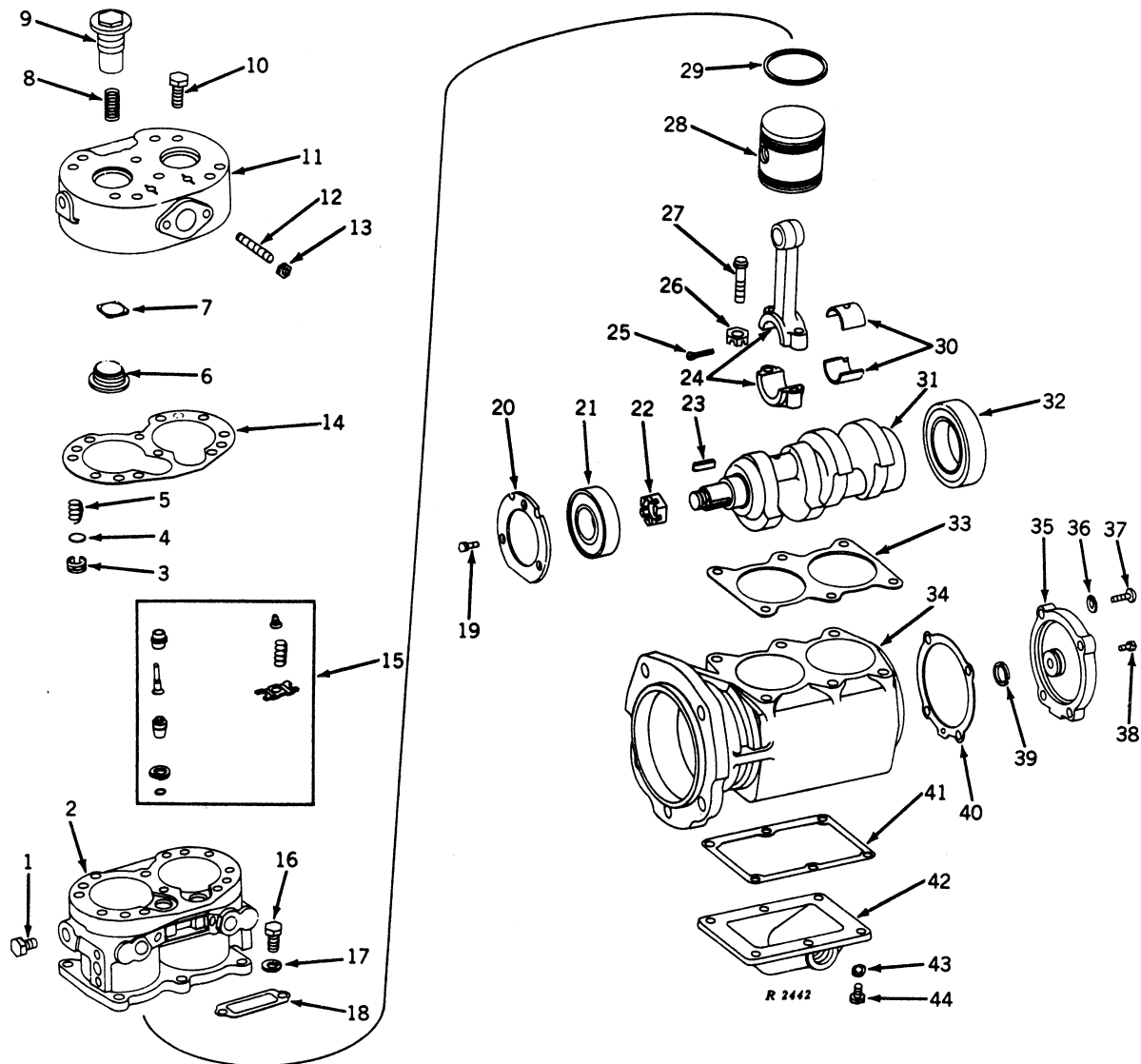


R 10211

COMPRESSED AIR CIRCUIT -- Continued

Key	Part No.	Tractor Serial No.	Description
1	R 29050 R	(-)	Gasket
2	L 1253 N	(-)	Bushing, reducer
3	AA 5778 R	(-)	Tee
4	AR 29338 R	(-)	Switch, low pressure
5	R 29051 R	(-)	Tube
6	T 19158 T	(-)	Tee
7	AR 29563 R	(-)	Elbow, compression
8	R 37000 R	(-)	Adapter
9	R 37214 R	(-)	Line, flexible oil
10	.....	( - )	Screw, cap, high-strength, 5/16" x 3" (2 used)
	.....	( - )	Washer, lock, 3/8" (2 used)
11	AR 29071 R	(-)	Governor, air pressure (see page 65-1 for parts)
12	R 29045 R	(-)	Gasket, air pressure governor adapter (2 used)
13	.....	( - )	Screw, cap, high-strength, 5/16" x 3/4" (2 used)
	.....	( - )	Washer, lock, 5/16" (2 used)
14	R 29044 R	(-)	Adapter, air pressure governor
15	R 37216 R	(-)	Adapter, air compressor outlet
16	AR 29506 R	(-)	Compressor, air (see page 65-4 for parts)
17	R 29006 R	(-)	Elbow, 90° (4 used)
18	AR 29059 R	(-)	Valve, check, air tank
19	15H 255	(-)	Plug, square head pipe, 3/8" (3 used)
20	R 37215 R	(-)	Line, flexible oil
21	AR 29058 R	(-)	Valve, relief air tank
22	AR 29056 R	(-)	Tank, air
23	AR 29057 R	(-)	Cock, drain, air tank (sub. AM2780T)
24	R 37209 R	(-)	Connector, 37° flare
25	AR 29927 R	(-)	Line, air tank outlet
26	AR 29061 R	(-)	Tee, 37° flare, air tank outlet line
27	.....	( - )	Screw, cap, high-strength, 3/8" x 1-1/8" (2 used)
	.....	( - )	Washer, lock, 3/8" (2 used)
28	R 27539 R	(-)	Clamp (2 used)
29	28H 1884	(-)	Spacer, pipe (2 used)
30	AR 29928 R	(-)	Line, brake valve air inlet, front
31	R 30356 R	(-)	Connector, 37°
32	R 37209 R	(-)	Connector, 37° flare
33	.....	( - )	Screw, cap, high-strength, 3/8" x 2" (2 used)
	.....	( - )	Washer, lock, 3/8" (2 used)
34	R 37208 R	(-)	Block, air pressure junction
35	AR 29142 R	(-)	Tee, compression (2 used)
36	AR 29143 R	(-)	Line, flexible air brake valve to rear frame
37	R 29210 R	(-)	Tube
38	AR 29641 R	(-)	Chamber, air brake, 24 square inch (2 used)
39	R 29208 R	(-)	Tube
40	AR 29141 R	(-)	Elbow, compression
41	R 27720 R	(-)	Clamp (2 used)
42	AR 29929 R	(-)	Line, brake valve inlet rear
43	AR 29930 R	(-)	Line, brake valve outlet
44	R 21483	(-)	Spacer
45	R 27491 R	(-)	Clamp (2 used)
46	AR 29931 R	(-)	Line, front brake
47	.....	( - )	Screw, cap, high-strength, 3/8" x 1-1/4"
	.....	( - )	Washer, lock, 3/8"
48	R 37213 R	(-)	Tube
49	AR 29305 R	(-)	Chamber, air brake, 30 square inch (2 used)
50	15H 571	(-)	Plug pipe
51	AR 29144 R	(-)	Connector, compression (2 used)
52	T 16270 T	(-)	Adapter
53	A 4656 R	(-)	Clamp (2 used)
54	.....	( - )	Screw, cap, high-strength, 3/8" x 3/4" (2 used)
	.....	( - )	Washer, lock, 3/8"
55	.....	( - )	Nut, hex., 3/8" (2 used)
56	.....	( - )	Screw, cap, high-strength, 3/8" x 6" (2 used)
	.....	( - )	Washer, lock, 5/8" (2 used)
57	R 29008 R	(-)	Bracket, air tank (4 used)
58	.....	( - )	Nut, hex., 3/8" (4 used)
59	.....	( - )	Screw, cap, high-strength, 3/8" x 1" (4 used)
	.....	( - )	Washer, lock, 3/8" (4 used)

AIR COMPRESSOR (AR29506R)



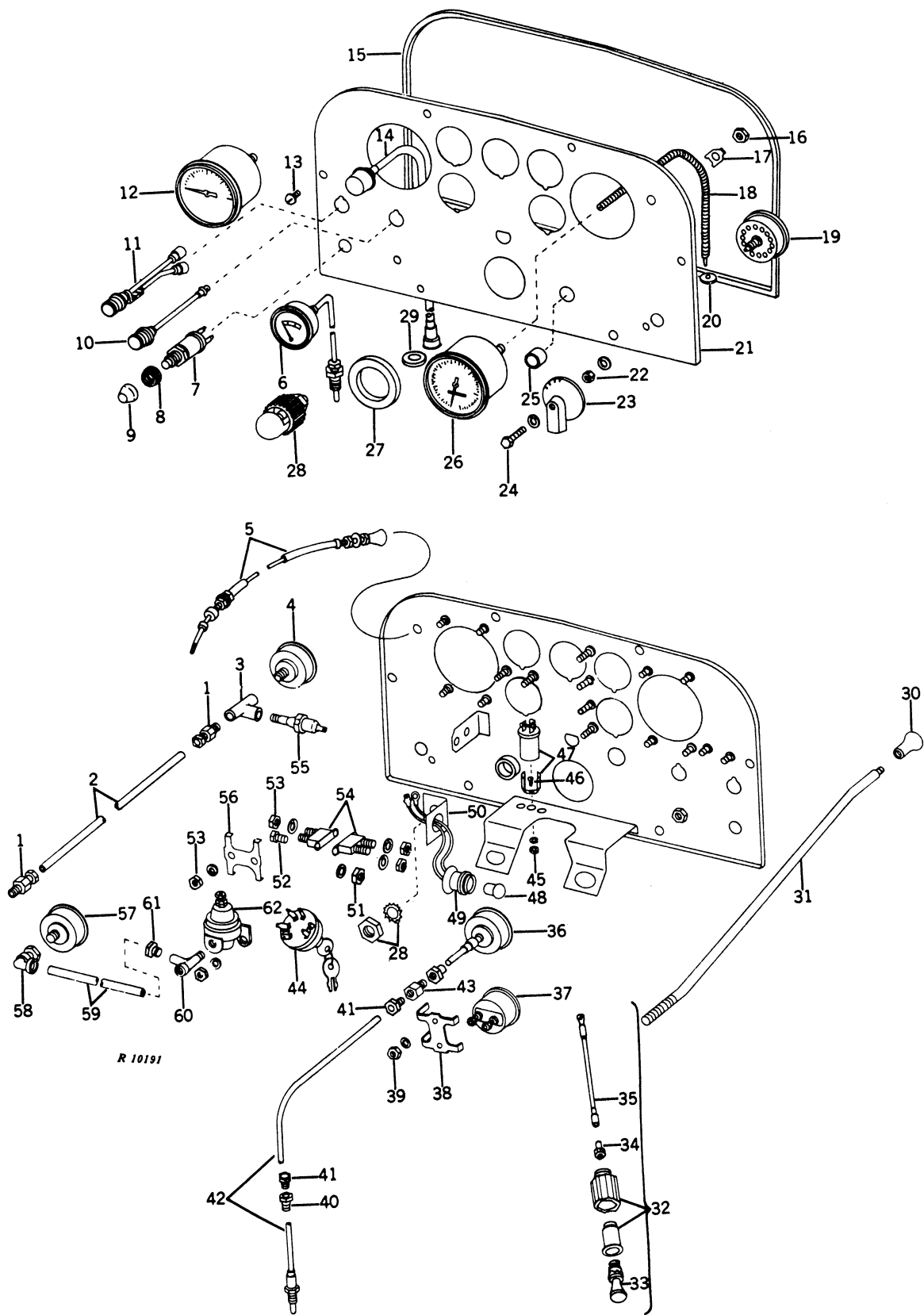
AIR COMPRESSOR (AR29506R) -- Continued

Key	Part No.	Tractor Serial No.	Description
1	A 4242 R	(-)	Plug, pipe
2	AR 29528 R	(-)	Block, cylinder
3	R 30149 R	(-)	Guide, inlet valve (2 used)
4	R 30150 R	(-)	Valve, inlet (2 used)
5	R 30151 R	(-)	Spring, inlet valve (2 used)
6	R 30155 R	(-)	Seat, exhaust valve (2 used)
7	R 30156 R	(-)	Valve, exhaust (2 used)
8	R 30157 R	(-)	Spring, exhaust valve (2 used)
9	R 30158 R	(-)	Nut, special cap exhaust valve (2 used)
10	19H 1853	(-)	Screw, special cap, cylinder head (10 used)
11	AR 29535 R	(-)	Head, cylinder
	R 30298 R	(-)	Plug, pipe, in cylinder head (5 used)
12	R 30161 R	(-)	Stud, exhaust manifold (2 used)
13	14H 650	(-)	Nut, special hex. (2 used)
14	R 30154 R	(-)	Gasket, cylinder head
15	AR 29614 R	(-)	Kit, unloader valve
16	19H 1731	(-)	Screw, special cap, block to crankcase (6 used)
17	.....	( - )	Washer, lock, 3/8" (6 used)
18	R 30163 R	(-)	Gasket, air inlet
19	21H 1073	(-)	Screw, special machine (3 used)
20	R 30143 R	(-)	Retainer, ball bearing, drive end
21	AR 29531 R	(-)	Bearing, ball, crankshaft, front
22	R 30160 R	(-)	Nut, special slotted, crankshaft
23	R 30159 R	(-)	Key, crankshaft
24	AR 29532 R	(-)	Rod, connecting (2 used)
25	.....	( - )	Pin, cotter, 1/16" x 1/2" (4 used)
26	.....	( - )	Nut, castle, 5/16" (4 used)
27	R 30147 R	(-)	Bolt, connecting rod (4 used)
28	AR 29533 R	(-)	Piston and pin (2 used)
29	AR 29534 R	(-)	Ring, piston, set
30	R 30148 R	(-)	Insert, bearing, connecting rod (4 used)
31	R 30142 R	(-)	Crankshaft
32	AR 29530 R	(-)	Bearing, ball, crankshaft, rear
33	R 30134 R	(-)	Gasket, cylinder block
34	R 30133 R	(-)	Crankcase
35	R 30146 R	(-)	Cover, rear bearing
36	.....	( - )	Washer, lock, 5/16" (4 used)
37	.....	( - )	Screw, cap, 5/16" x 7/8" (4 used)
38	15H 558	(-)	Plug, pipe
39	R 30144 R	(-)	Ring, sealing, oil seal
40	R 30145 R	(-)	Gasket, rear bearing cover
41	R 30152 R	(-)	Gasket, crankcase cover
42	R 30153 R	(-)	Cover, crankcase
43	.....	( - )	Washer, lock, 1/4" (6 used)
44	21H 993	(-)	Screw, special machine (6 used)

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

AR 29506 R (-) Compressor, air (do not stock)

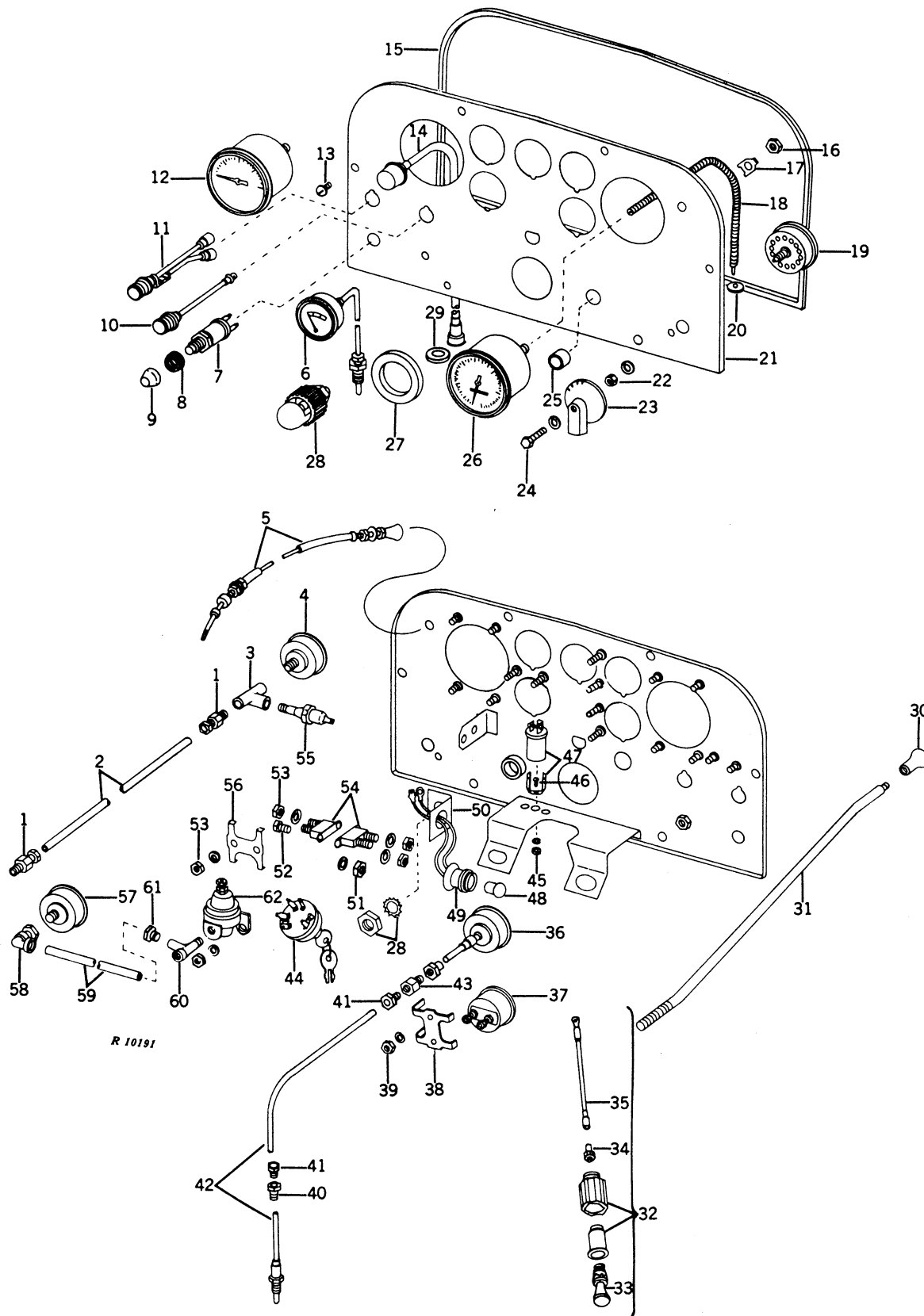
INSTRUMENT PANEL WITH INSTRUMENTS



INSTRUMENT PANEL WITH INSTRUMENTS -- Continued
(For Keys 56 through 62, See Page 70-5)

Key	Part No.	Tractor Serial No.	Description
1	AA 4937 R	(-)	Connector, oil pressure gauge tube (2 used)
2	R 29698 R	(-)	Tube, oil pressure gauge
3	15H 541	(-)	Tee, pipe, oil pressure gauge
4	AR 29337 R	(-)	Gauge, oil pressure
5	AR 29722 R	(-)	Cable, pull type, engine stop
6	AT 11934 T	(-)	Indicator, water temperature (sub. AT17524)
	15H 515	(-)	Bushing, pipe, indicator to engine
7	AR 21823 R	(-)	Switch, starter
8	R 21157 R	(-)	Nut, starter switch
9	R 21156 R	(-)	Cap, starter switch
10	AR 29341 R	(-)	Lamp, indicator, parking brake
	R 30378 R	(-)	Spring, indicator lamp
	R 30379 R	(-)	Bulb, indicator lamp (2 CP, red, 12-16 volt) (packed 10 in a pkg.)
11	AR 29350 R	(-)	Lamp, indicator, generator (sub. AR55694, R30378, AT44165, AT48673, R32024 and R32025, make from AR84006 kit)
	AR 29615 R	(-)	Lens, indicator lamp, with housing
	R 30378 R	(-)	Spring, indicator lamp
	R 30379 R	(-)	Bulb, indicator lamp (2 CP, red, 12-16 volt) (packed 10 in a pkg.)
12	AR 29334 R	(-)	Speedometer
13	21H 1029	(-)	Screw, machine (6 used)
14	AR 29347 R	(-)	Shaft, flexible, speedometer
15	R 29697 R	(-)	Strip, parking instrument panel
16	.....	( - )	Nut, special hex. (8 used) (packed 5 in a pkg.)
17	R 27381 R	(-)	Clamp (8 used)
18	AR 21085 R	(-)	Shaft, flexible, tachometer
19	AR 28402 R	(-)	Switch, light
20	B 3285 R	(-)	Gasket
21	AR 29900 R	(-)	Panel, instrument, with extension
22	1092692	(-)	Nut, special hex. (order from John Deere Dubuque Tractor Works)
	.....	( - )	Washer, lock, internal tooth
23	R 27963 R	(-)	Lever, light switch
24	21H 973	(-)	Screw, special machine
	12H 315	(-)	Washer, special lock
25	R 29372 R	(-)	Bushing, throttle rod guide
26	AR 29340 R	(-)	Tachometer
27	R 29696 R	(-)	Grommet, steering column
28	AR 35993 R	(-)	Lamp, dash (sub. AR33479)
	AT 12948 T	(-)	Bulb, dash lamp (packed 2 in a pkg.)
	R 28792 R	(-)	Lens, dash lamp
	R 28793 R	(-)	Cover, dash lamp (sub. R40192)
29	B 3285 R	(-)	Gasket (2 used)
30	R 29695 R	(-)	Knob
31	AR 29587 R	(-)	Rod, parking brake release, with clip
32	AR 20438 R	(-)	LIGHTER, CIGARETTE (12 VOLT) (ATTACHMENT)
33	AA 5787 R	(-)	Element, lighter
34	AM 2151 T	(-)	Fuse
35	AR 21164 R	(-)	Wire assembly
36	AR 29571 R	(-)	Gauge, clutch oil pressure
37	AR 26716 R	(-)	Gauge, fuel (sub. R34262)
38	R 34338 R	(-)	Clamp
39	.....	( - )	Nut, special hex., no. 10 (6 used) (packed 5 in a pkg.)
	.....	( - )	Washer, lock, no. 10 (6 used)
40	N 30405 N	(-)	Bushing, reducer, pressure gauge to clutch control valve housing
41	AA 4937 R	(-)	Connector (2 used)
42	.....	( - )	Tube, clutch oil pressure (not furnished)
43	15H 73	(-)	Coupling, pipe (packed 5 in a pkg.)
44	AR 30279 R	(-)	Switch, starter, ignition with key (sub. AR26557)
45	.....	( - )	Nut, hex., no. 10
	.....	( - )	Washer, lock, no. 10
46	21H 415	(-)	Screw, machine
47	AR 21858 R	(-)	Flasher (12 volt) (sub. AR21856)
48	AA 6218 R	(-)	Bulb, air pressure warning lamp (packed 10 in a pkg.)
49	AR 21650 R	(-)	Lamp, dash, air pressure warning (sub. AR65508)
50	R 37163 R	(-)	Bracket, dash lamp
51	.....	( - )	Nut, special hex., no. 10 (2 used)
	.....	( - )	Washer, lock, no. 10 (packed 50 in a pkg.) (2 used)
52	21H 1162	(-)	Screw, machine (2 used)
53	.....	( - )	Nut, special hex., no. 10 (4 used) (packed 5 in a pkg.)
	.....	( - )	Washer, lock, no. 10, external tooth (4 used)
54	AR 28403 R	(-)	Breaker, circuit, light circuit (2 used)
55	AR 27977 R	(-)	Switch, oil pressure

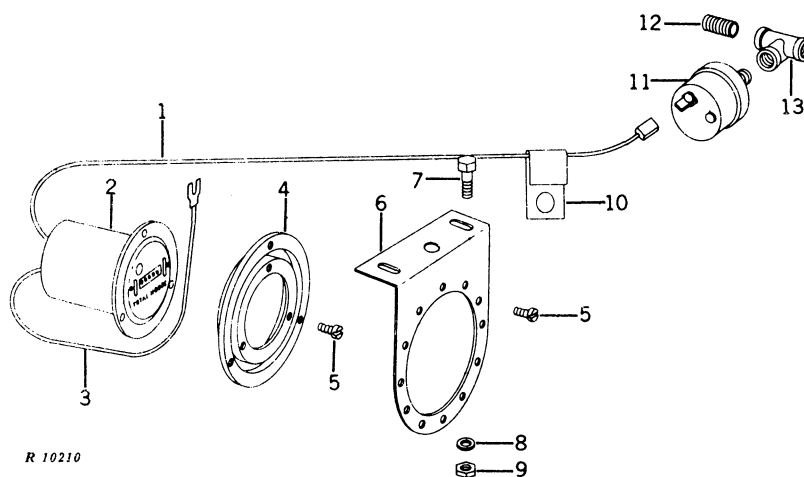
INSTRUMENT PANEL WITH INSTRUMENTS -- Continued



INSTRUMENT PANEL WITH INSTRUMENTS -- Continued
(For Keys 1 through 55, See Page 70-3)

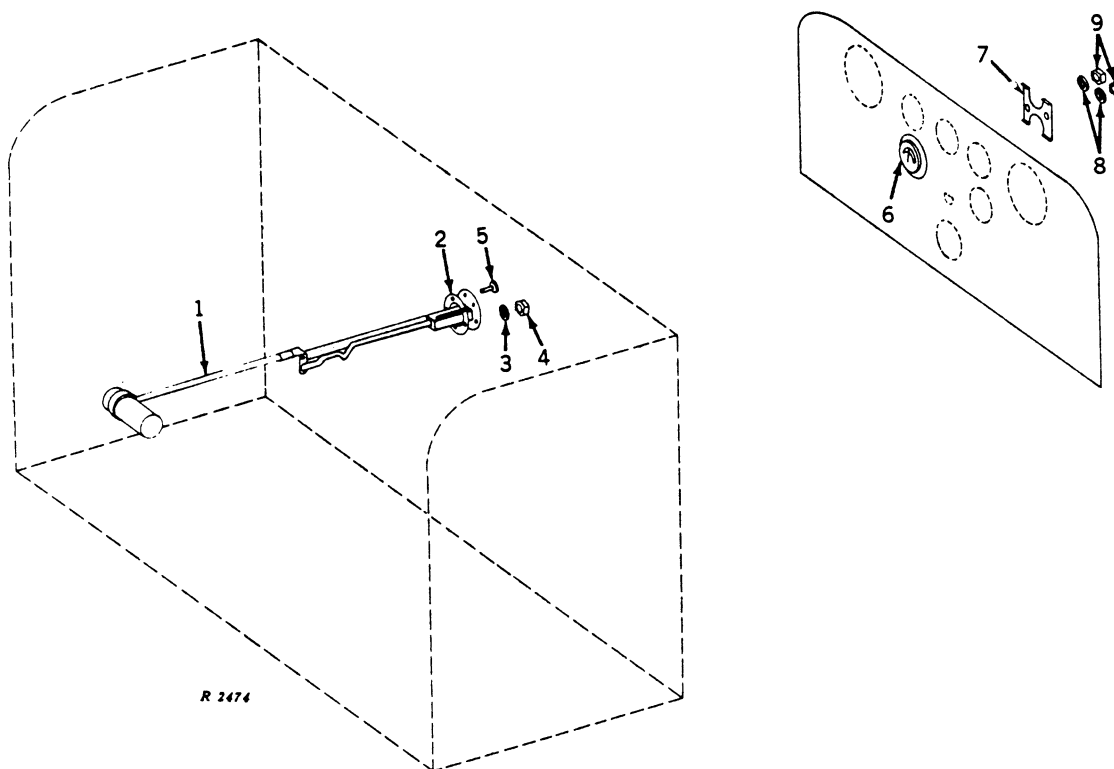
Key	Part No.	Tractor Serial No.	Description
56	R 34339 R	(-)	Clamp (2 used)
57	AR 29335 R	(-)	Gauge, air pressure
58	AA 4936 R	(-)	Elbow, special union
59	R 29694 R	(-)	Tube, low air pressure switch to pressure gauge
60	AA 5778 R	(-)	Tee, compression, with R21451R sleeve
61	R 29693 R	(-)	Bushing, reducer (sub. L1253N)
62	AR 29338 R	(-)	Switch, low pressure

HOUR METER



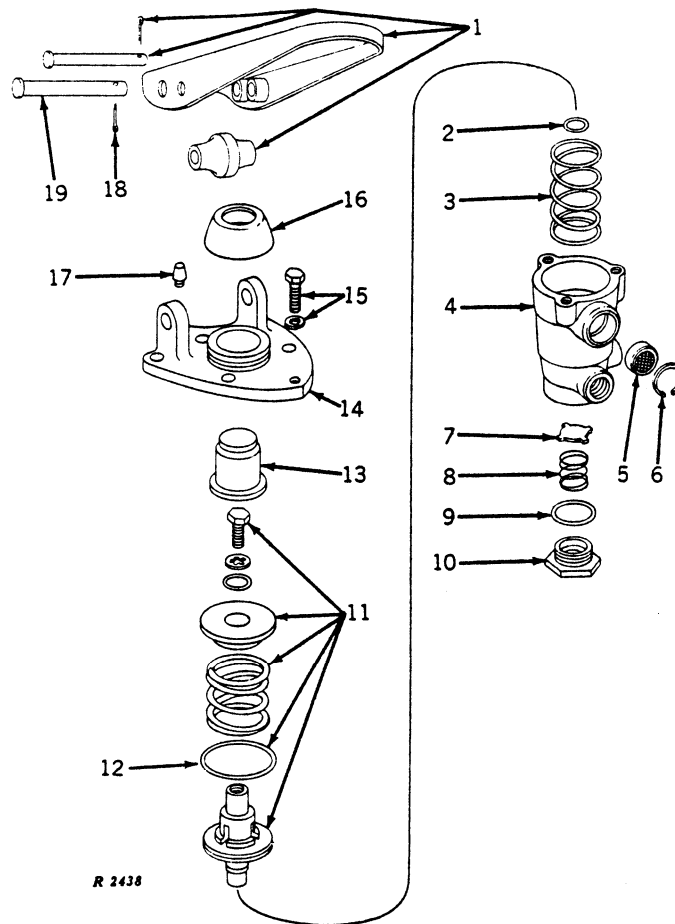
Key	Part No.	Serial No.	Description
1	R 37204 R	(-)	Lead, wiring
2	AR 27898 R	(-)	Hour meter (sub. AR39848)
3	AR 29207 R	(-)	HOUR METER, WITH BRACKET AND ADAPTER (ATTACHMENT)
4	R 37205 R	(-)	Lead, wiring
5	AM 1664 T	(-)	Damper, vibration (sub. U42338)
6	21H 1067	(-)	Screw, special machine (6 used)
7	R 30211 R	(-)	Bracket
8	.....	( - )	Screw, special cap, 1/4" x 3/8" (2 used)
9	.....	( - )	Washer, 17/64" x 5/8" x .060" (2 used)
10	.....	( - )	Nut, hex., 1/4" (2 used)
11	A 5172 R	(-)	Clip (3 used)
12	AR 29339 R	(-)	Switch, pressure
13	29H 483	(-)	Nipple, pipe, 1/8" x 3/4"
14	15H 541	(-)	Tee, pipe, 1/8"

FUEL GAUGE



Key	Part No.	Tractor Serial No.	Description
1	AR 26434 R	(-)	Sender, fuel gauge
2	R 27181 R	(-)	Gasket
3	12H 310	(-)	Washer, lock, internal tooth
4	.....	( - )	Nut, hex., 3/8"
5	37H 47	(-)	Screw, self-tapping, no. 8 x 1/2" (5 used)
6	AR 26716 R	(-)	Gauge, fuel (sub. R34262)
	.....	( - )	Washer, lock (2 used)
	.....	( - )	Nut (2 used)
7	R 34339 R	(-)	Clamp
8	.....	( - )	Washer, lock, no. 10 (2 used)
9	.....	( - )	Nut, special hex., no. 10 (2 used)

BRAKE VALVE, TREADLE, AND MOUNTING PLATE



Key	Part No.	Tractor Serial No.	Description
1	AR 29522 R	(-)	Treadle
2	.....*	( - )	Packing, O-ring
3	R 30113 R	(-)	Spring
4	.....**	( - )	Body
5	AR 29521 R	(-)	Filter, exhaust
6	R 30117 R	(-)	Ring, retaining
7	.....*	( - )	Valve, inlet, with insert
8	.....*	( - )	Spring
9	.....*	( - )	Packing, O-ring
10	R 30112 R	(-)	Adapter, inlet cap
11	AR 29520 R	(-)	Piston, main, and spring
12	.....*	( - )	Packing, O-ring
13	R 30119 R	(-)	Plunger, operating
14	R 30116 R	(-)	Plate, brake valve mounting
15	R 30165 R	(-)	Screw, special cap
	.....	( - )	Washer, lock, 5/16"
16	.....*	( - )	Cover, dust
17	R 30118 R	(-)	Stop, treadle
18	.....	( - )	Pin, cotter, 3/32" x 5/8"
19	R 30121 R	(-)	Pin, headed

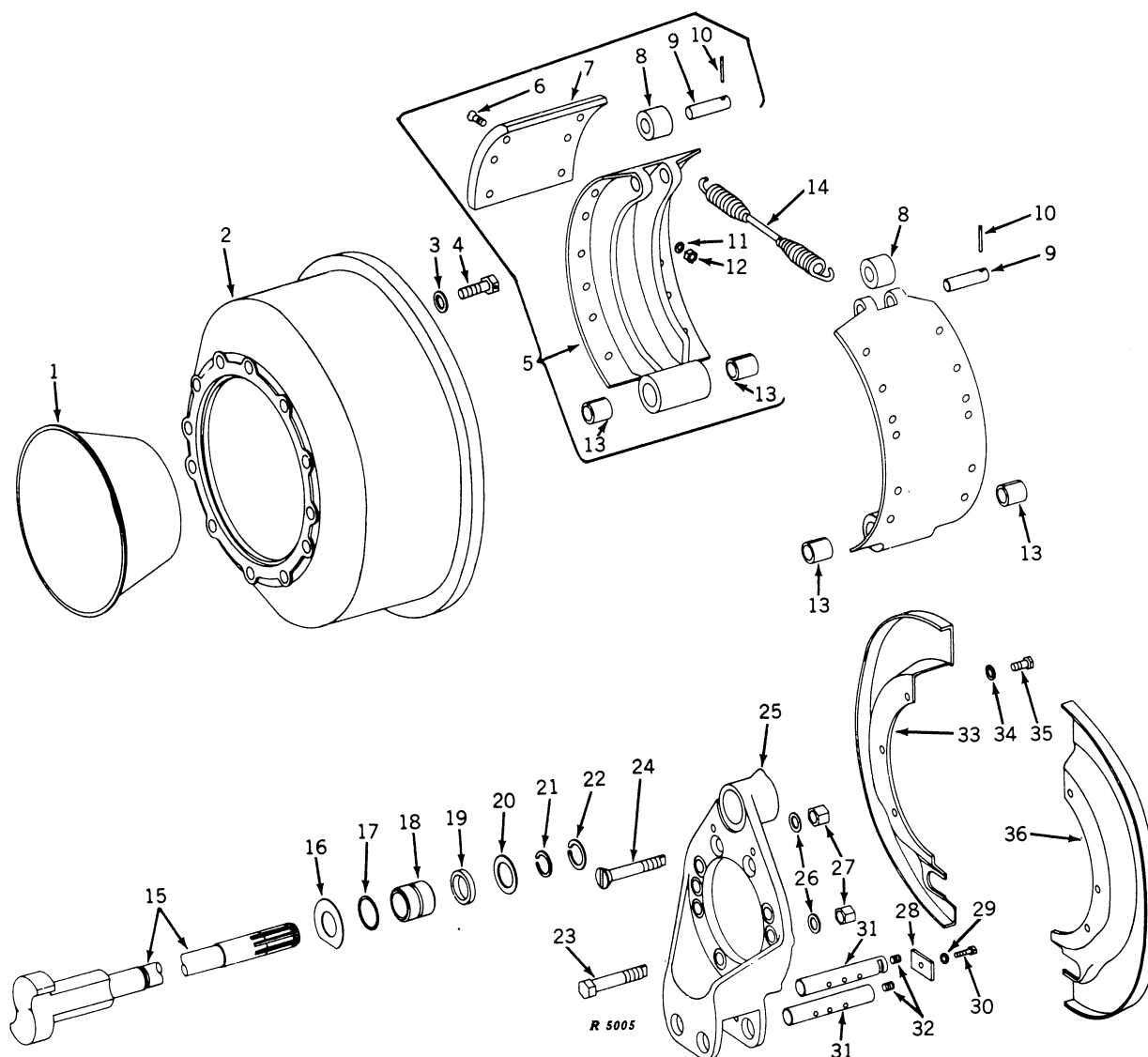
Part listed below is not illustrated.

.. 15H 571 (-) Plug, pipe, 3/8"

*Not furnished, order AR29620R, brake valve treadle maintenance kit.

**Not furnished, order AR29139R, brake valve, treadle, and mounting plate

WHEEL BRAKES

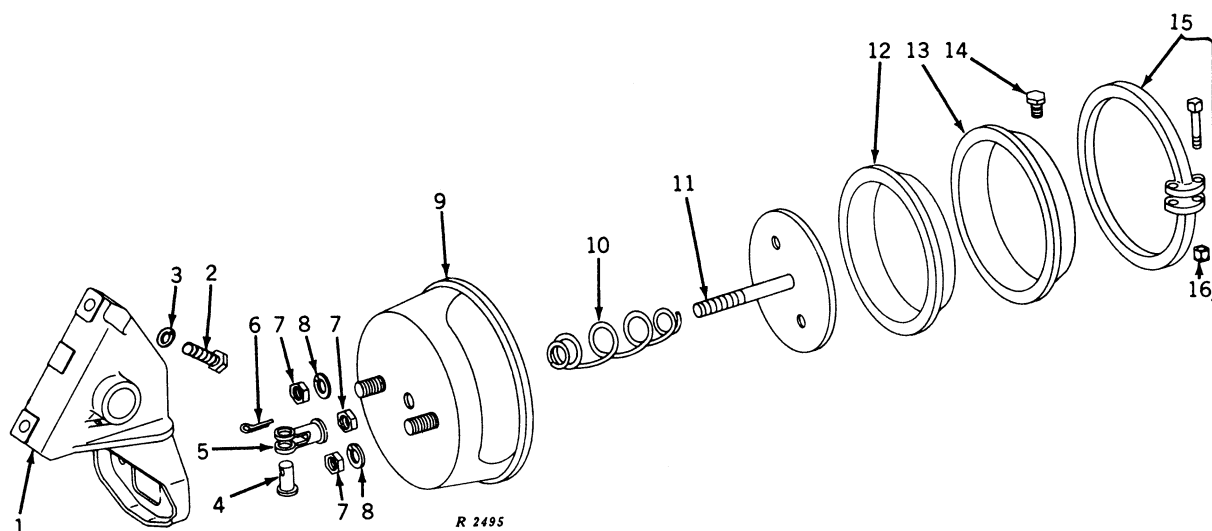


WHEEL BRAKES -- Continued

Key	Part No.	Tractor Serial No.	Description
1	R 29567 R	(-)	Slinger, oil
2	R 29565 R	(-)	Drum, brake
3	R 29553 R	(-)	Washer (12 used)
4	R 29566 R	(-)	Bolt, special hex. (12 used)
5	AR 29962 R	(-)	Shoe, brake, with linings, screws, nuts, roller, pin, and bushings (2 used)
6	R 29541 R	(-)	Screw, special (24 used) (sub. R30901)
7	R 29540 R	(-)	Lining, brake (4 used)
8	R 29543 R	(-)	Roller, brake cam (2 used)
9	R 29544 R	(-)	Pin, brake cam roller (2 used)
10	34H 80	(-)	Pin, roll, 3/16" x 1-3/8" (2 used)
11	.....	( - )	Washer, lock, 3/8" (24 used)
12	R 29542 R	(-)	Nut, lock (24 used)
13	R 29545 R	(-)	Bushing, brake shoe (4 used)
14	R 39527	(-)	Spring, brake shoe return
	R 39528	(-)	Retainer, return spring
15	R 30569 R	(-)	Camshaft, brake, L.H. front, R.H. rear
	R 30570 R	(-)	Camshaft, brake, R.H. front, L.H. rear
16	R 29560 R	(-)	Washer, camshaft thrust
17	A 4540 R	(-)	Packing, O-ring
18	R 29556 R	(-)	Bushing, brake shoe carrier
19	R 29562 R	(-)	Washer, felt
20	R 29563 R	(-)	Washer, brake camshaft retaining (2 used)
21	R 29564 R	(-)	Snap ring, camshaft to brake carrier
22	R 30582 R	(-)	Snap ring, camshaft to slack adjuster
23	R 29550 R	(-)	Bolt, special hex. (8 used)
24	R 29551 R	(-)	Screw, special (2 used)
25	R 29549 R	(-)	Carrier, brake shoe
26	R 29553 R	(-)	Washer, 21/32" x 1-1/8" x 3/32" (10 used)
27	R 29552 R	(-)	Nut, special hex., 5/8" (10 used)
28	R 29548 R	(-)	Plate, lock
29	.....	( - )	Washer, lock, 5/16"
30	.....	( - )	Screw, cap, 5/16" x 3/4"
31	R 29547 R	(-)	Pin, brake anchor (2 used)
32	15H 559	(-)	Plug, pipe (2 used)
33	R 29554 R	(-)	Shield, brake dust, half
34	.....	( - )	Washer, lock, 3/8" (6 used)
35	.....	( - )	Screw, cap, 3/8" x 3/4" (6 used)
36	R 29555 R	(-)	Shield, brake dust, half

Note: Quantities listed are for one brake.

FRONT AIR BRAKE CHAMBER (AR29305R)
REAR AIR BRAKE CHAMBER (AR29641R)

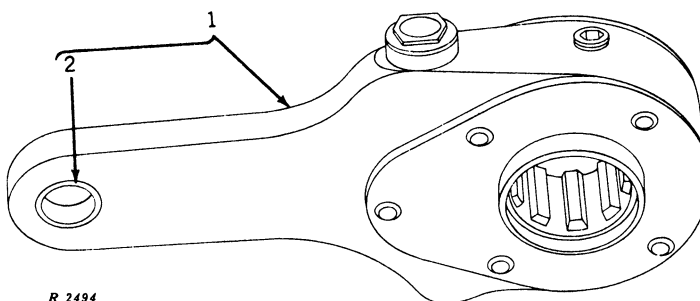


Key	Part No.	Tractor Serial No.	Description
1	AR 29302 R	(-)	Bracket, air brake chamber, with bushing, L.H. front, R.H. rear
	AR 29303 R	(-)	Bracket, air brake chamber, with bushing, R.H. front, L.H. rear
2	.....	( - )	Screw, cap, 5/8" x 1-3/4" (4 used)
3	.....	( - )	Washer, lock, 5/8" (4 used)
4	R 30285 R	(-)	Pin, yoke (sub. T34189 and two 37H77)
5	R 30284 R	(-)	Yoke
6	.....	( - )	Pin, cotter, 1/8" x 1"
7	.....	( - )	Nut, jam, 5/8" (3 used)
8	.....	( - )	Washer, lock, 5/8" (2 used)
9	.....	( - )	Not furnished (order AR29305R or AR29641R)
10	R 30131 R	(-)	Spring (part for AR29305R)
	R 30584 R	(-)	Spring (part for AR29641R)
11	AR 29525 R	(-)	Rod, push, brake chamber (part for AR29305R)
	AR 29642 R	(-)	Rod, push, brake chamber (part for AR29641R)
12	R 30130 R	(-)	Diaphragm, brake chamber (part for AR29305R)
	R 30583 R	(-)	Diaphragm, brake chamber (part for AR29641R)
13	.....	( - )	Not furnished (order AR29305R or AR29641R)
14	A 4242 R	(-)	Plug, pipe
15	AR 29527 R	(-)	Ring, clamping, with bolts and nuts (part for AR29305R)
	AR 29643 R	(-)	Ring, clamping, with bolts and nuts (part for AR29641R)
16	.....	( - )	Nut, hex., 5/16" (2 used)

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

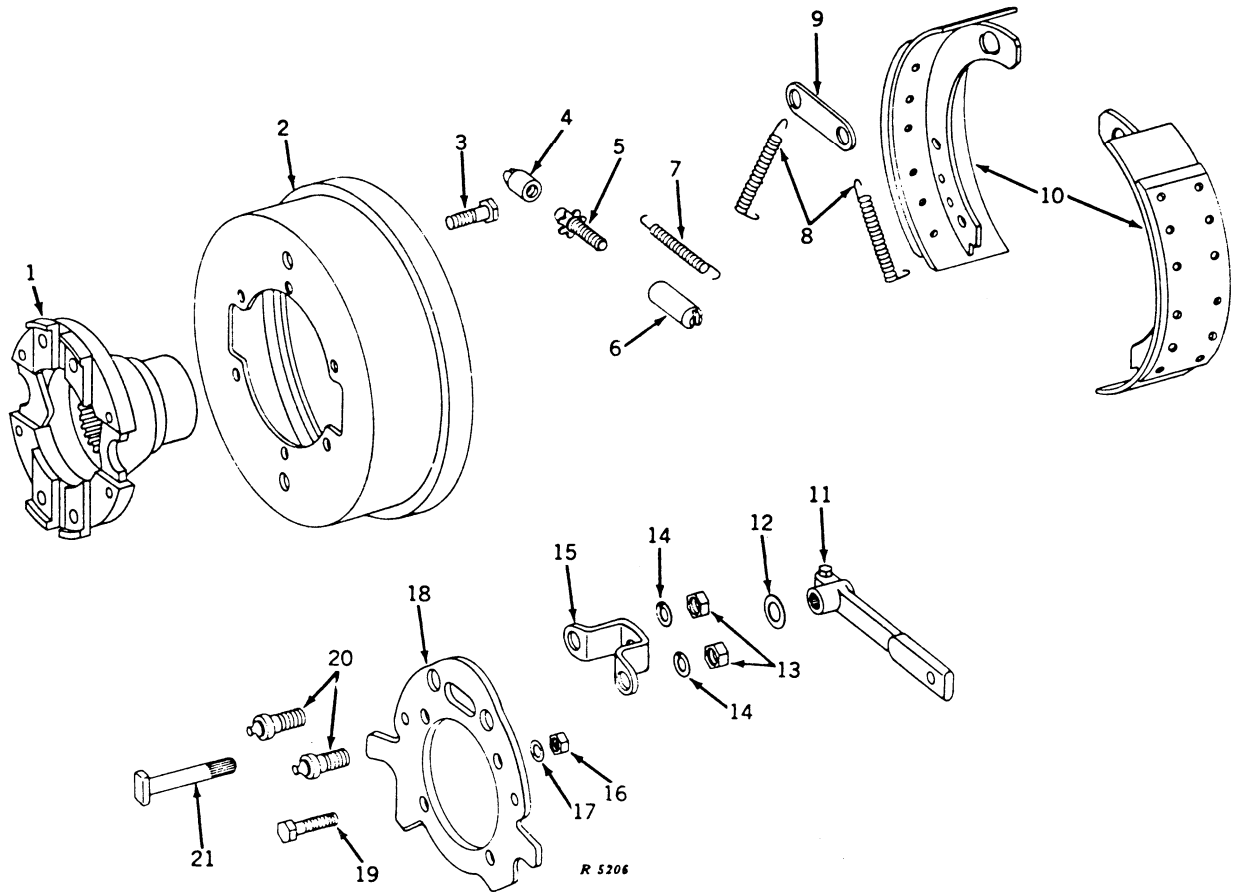
AR 29305 R	(-)	Chamber, front air brake
AR 29641 R	(-)	Chamber, rear air brake

SLACK ADJUSTER



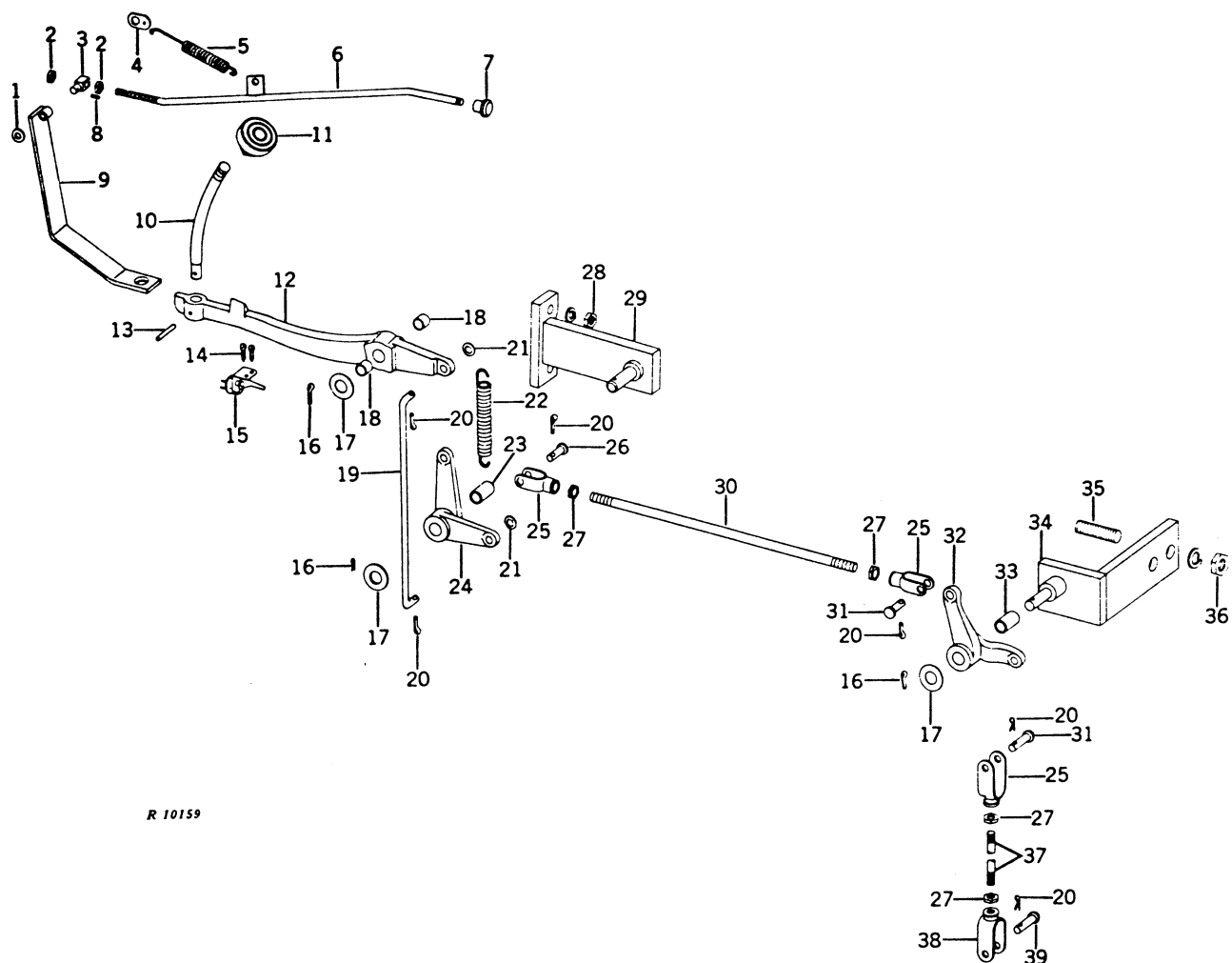
Key	Part No.	Tractor Serial No.	Description
1	AR 29304 R	(-)	Adjuster, brake slack, with bushing
2	T 10362 T	(-)	Bushing

PARKING BRAKE AND LEVER



Key	Part No.	Tractor Serial No.	Description
1	R 37399 R	(-)	Flange, brake drum
2	R 29140 R	(-)	Drum, brake
3	R 30032 R	(-)	Screw, cap (6 used)
4	R 30342 R	(-)	Socket, adjusting screw
5	R 30097 R	(-)	Screw, adjusting
6	R 30100 R	(-)	Nut, pivot, adjusting screw
7	R 30362 R	(-)	Spring, adjusting screw
8	R 30364 R	(-)	Spring, shoe return (2 used)
9	R 30363 R	(-)	Brace, anchor pin
10	AR 29610 R	(-)	Shoe, brake, with lining (2 used)
11	AR 29611 R	(-)	Lever, brake control, with cap screw and nut
12	R 30365 R	(-)	Washer, spring, camshaft
13	.....	( - )	Nut, hex., 3/4" (2 used)
14	.....	( - )	Washer, lock, 3/4" (2 used)
15	R 30137 R	(-)	Bracket, camshaft support
16	.....	( - )	Nut, hex., 5/8" (4 used)
17	.....	( - )	Washer, lock, 5/8" (4 used)
18	AR 29609 R	(-)	Plate, brake support
19	.....	( - )	Screw, cap, 5/8" x 1-3/4" (4 used)
20	R 30135 R	(-)	Pin, anchor (2 used)
21	R 30239 R	(-)	Camshaft

PARKING BRAKE LINKAGE AND PARKING BRAKE RELEASE

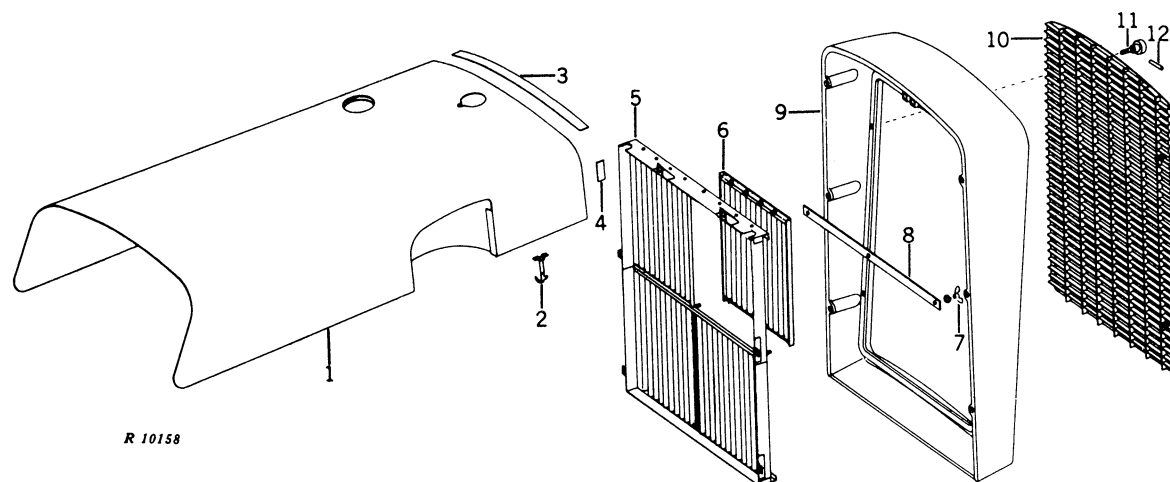


R 10159

PARKING BRAKE LINKAGE AND PARKING BRAKE RELEASE -- Continued

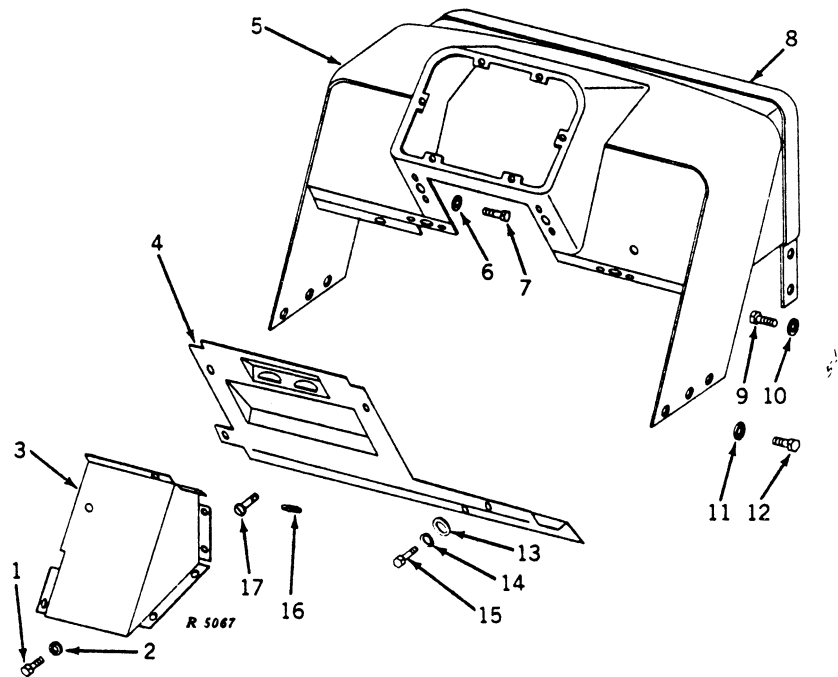
Key	Part No.	Tractor Serial No.	Description
1	24H 1286	(-)	Washer, 1/2" x 9/32" x .060"
2	.....	( - )	Nut, 1/4" (2 used)
3	A 4948 R	(-)	Swivel
4	R 29304 R	(-)	Clip, release spring
5	R 29303 R	(-)	Spring, release rod
6	AR 29587 R	(-)	Rod, release, with clip
7	R 29695 R	(-)	Knob
8	.....	( - )	Pin, cotter, 1/16" x 1/2"
9	AR 29185 R	(-)	Lock, parking brake, with pivot
10	R 29345 R	(-)	Rod, parking brake pedal
11	R 29344 R	(-)	Pedal, parking brake
12	R 37258 R	(-)	Lever, parking brake pedal
13	34H 62	(-)	Pin, roll
14	21H 1192	(-)	Screw, machine (2 used)
15	AR 29471 R	(-)	Switch, parking brake light
16	.....	( - )	Pin, cotter, 5/32" x 1" (3 used)
17	24H 1394	(-)	Washer, 25/32" x 1-7/16" x .036" (3 used)
18	F 2030 R	(-)	Bushing (2 used)
19	R 29297 R	(-)	Rod, parking brake
20	.....	( - )	Pin, cotter, 1/8" x 1" (6 used)
21	24H 1302	(-)	Washer, 12/32" x 3/4" x .036" (2 used)
22	R 29301 R	(-)	Spring
23	A 1197 R	(-)	Bushing (packed 2 in a pkg.)
24	R 37257 R	(-)	Bellcrank, parking brake rod
25	C 284 R	(-)	Yoke (3 used)
26	R 31044 R	(-)	Pin, headed
27	.....	( - )	Nut, jam, 3/8" (4 used)
28	.....	( - )	Nut, hex., 3/4" (2 used)
	.....	( - )	Washer, lock, 3/4" (2 used)
29	AR 29856 R	(-)	Bracket, parking brake rod bellcrank
30	R 29298 R	(-)	Rod
31	C 1067 R	(-)	Pin, headed (2 used)
32	R 37259 R	(-)	Bellcrank, parking brake lever
33	A 1197 R	(-)	Bushing (packed 2 in a pkg.)
34	AR 29857 R	(-)	Bracket, parking brake lever bellcrank
35	M 2017 T	(-)	Stud (2 used)
36	.....	( - )	Nut, hex., 1/2" (2 used)
	.....	( - )	Washer, lock, 1/2" (2 used)
37	R 37019 R	(-)	Rod
38	R 30787 R	(-)	Yoke
39	F 2811 R	(-)	Pin, headed

HOOD AND GRILLE



Key	Part No.	Tractor Serial No.	Description
1	AR 29410 R	(-)	Hood, with fastener (do not stock)
2	AR 29411 R	(-)	Fastener, hood, with supports (4 used)
3	.....	( - )	Cushion, top, 32" long (make from R21736R, roll of anti-squeak webbing, 1/8" x 1-1/2" x 60")
4	.....	( - )	Cushion, side, 3" long (make from R21736R, roll of anti-squeak webbing, 1/8" x 1-1/2" x 60")
5	AR 29860 R	(-)	Frame, radiator, screen
6	AR 29864 R	(-)	Screen, grille (4 used)
7	.....	( - )	Nut, wing, 1/4" (3 used)
8	R 37036 R	(-)	Washer, lock, 1/4" (3 used)
9	R 37170 R	(-)	Retainer, radiator screen
10	AR 29912 R	(-)	Frame, grille (do not stock)
11	AR 29863 R	(-)	Grille
12	.....	( - )	Cap, with special screw (2 used)
			Pin, roll, 1/8" x 3/4" (2 used)

COWL

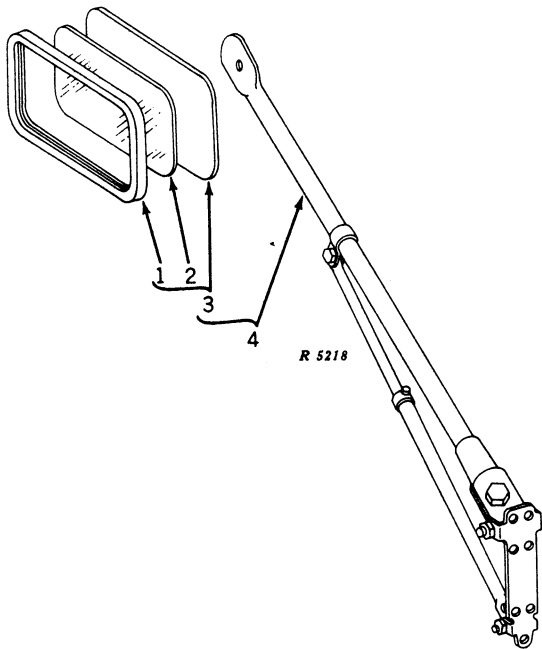


Key	Part No.	Tractor Serial No.	Description
1	.....	( - )	Screw, cap, 5/16" x 5/8" (7 used)
2	.....	( - )	Washer, lock, 5/16" (7 used)
3	R 37172 R	(-)	Cover, steering gear arm
4	AR 29905 R	(-)	Cover, cowl, with insert
5	AR 29904 R	(-)	Cowl (do not stock)
6	.....	( - )	Washer, lock, 3/8"
7	.....	( - )	Screw, cap, 3/8" x 1-1/4"
8	.....	( - )	Cushion, hood support, rear, 57-13/16" long (make from R21736R, roll of anti-squeak webbing, 1/8" x 1-1/2" x 60")
9	.....	( - )	Screw, cap, 3/8" x 3/4" (3 used)
10	.....	( - )	Washer, lock, 3/8" (3 used)
11	.....	( - )	Washer, lock, 3/8" (6 used)
12	.....	( - )	Screw, cap, 3/8" x 1/2" (6 used)
13	24H 1305	(-)	Washer, 25/64" x 7/8" x .060" (2 used)
14	.....	( - )	Washer, lock, 5/16" (2 used)
15	.....	( - )	Screw, cap, 5/16" (2 used)

Part listed below is not illustrated.

R 20513 R (-) Plug, button, in cowl

REAR VIEW MIRROR

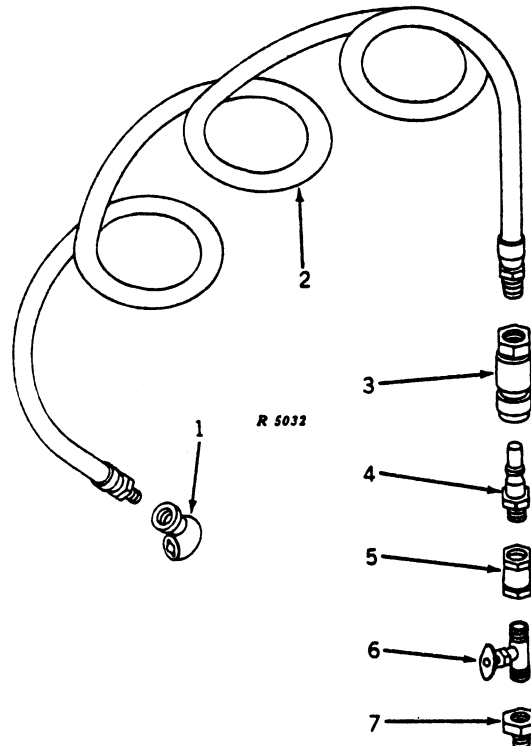


Key	Part No.	Tractor Serial No.	Description
1	R 21686 R	(-)	Bezel
2	R 21685 R	(-)	Glass
3	AR 21860 R	(-)	Mirror, rear view
4	AR 30003 R	(-)	MIRROR, REAR VIEW, WITH MOUNTING BRACKET (ATTACHMENT)

OPERATOR'S MANUAL
(Not Illustrated)

Key	Part No.	Tractor Serial No.	Description
..	R 37261 R	(-)	Manual, operator's

TIRE INFLATION HOSE WITH FITTINGS



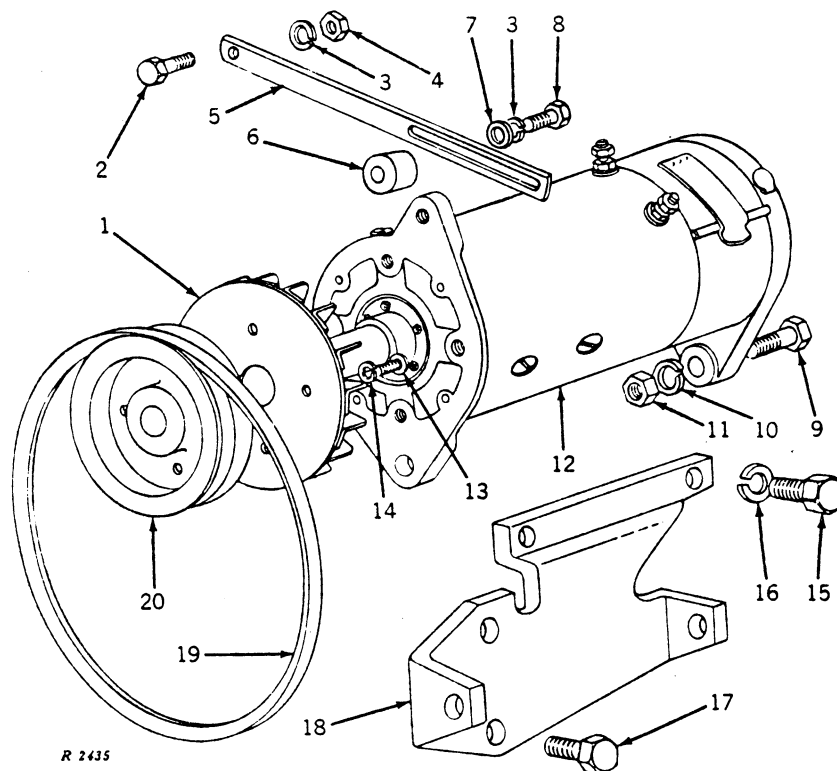
Key	Part No.	Tractor Serial No.	Description
1	AR 29540 R	(-)	Chuck, air
2	AR 29537 R	(-)	Hose, tire inflation
3	AR 29539 R	(-)	Coupler
4	R 30164 R	(-)	Nipple, coupling
5	R 30530 R	(-)	Coupling, valve to coupler
6	AR 29696 R	(-)	Valve, shutoff, hose to tank
7	L 1859 N	(-)	Bushing, reducer

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

AR 29204 R (-) HOSE, TIRE INFLATION, WITH FITTING (ATTACHMENT)

MEMORANDA

GENERATOR, GENERATOR BELT, AND GENERATOR MOUNTING BRACKET



Key	Part No.	Engine Serial No.	Description
1	1910036*	(-)	Fan and baffle
2	181370	(-)	Screw, cap, 3/8" -24 x 1-1/4"
3	.....	( - )	Washer, lock, 3/8" (2 used)
4	117049	(-)	Nut, hex., 3/8" -24
5	5128225	(-)	Strap, generator adjusting
6	5182628	(-)	Spacer, generator adjusting strap
7	103341	(-)	Washer, flat, 3/8"
8	186622	(-)	Screw, cap, 3/8" -16 x 1-1/4"
9	100040	(-)	Screw, cap, 7/16" -20 x 1-1/2" (2 used)
10	.....	( - )	Washer, lock, 7/16" (2 used)
11	117050	(-)	Nut, hex., 7/16" -20 (2 used)
12	1106867	(-)	Generator (24-volt) (see page 85-2 for parts)
13	113904	(-)	Screw, no. 12-24 x 7/16" (4 used)
14	106498	(-)	Washer, lock, no. 12 (4 used)
15	179860	(-)	Screw, cap, 7/16" -14 x 1-1/4" (2 used)
16	.....	( - )	Washer, lock, 7/16" (2 used)
17	191641	(-)	Screw, cap, 7/16" -14 x 7/8" (2 used)
18	5128246	(-)	Bracket, generator mounting
19	R 29474 R**	(-)	Belt, generator drive, 36" long
20	5128205	(-)	Pulley, generator

*Order from United Motors Service Depots.

**Furnished by John Deere Waterloo Tractor Works.

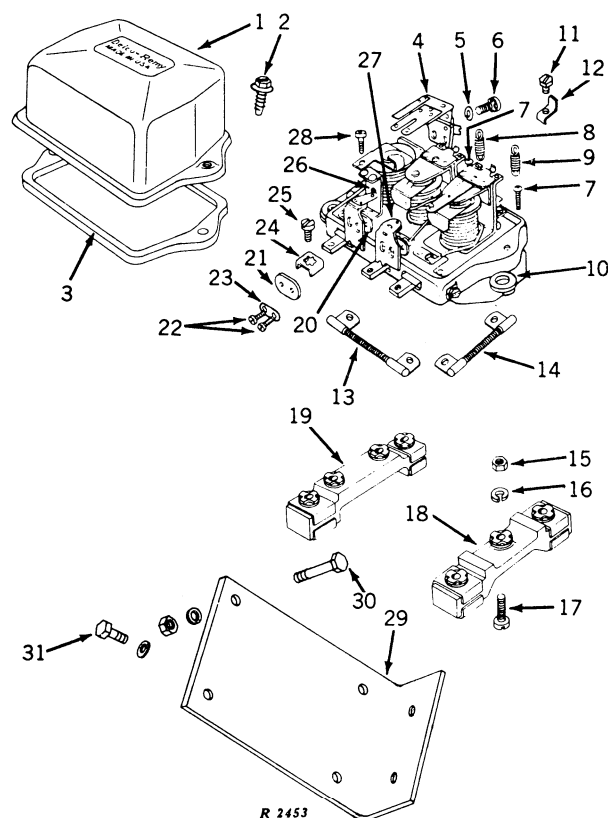
GENERATOR (24-Volt) (Delco-Remy No. 1106867) -- Continued

Key	Part No.	Engine Serial No.	Description
1	1872411	(-)	Bolt, thru (2 used)
2	21H 1127	(-)	Screw, special machine (3 used)
3	12H 246	(-)	Washer, lock (packed 50 in a pkg.) (3 used)
4	.....	( - )	Washer, lock, 5/16" (2 used)
5	1910039	(-)	Plate
6	1835457	(-)	Gasket
7	1935334	(-)	Spring
8	954685	(-)	Bearing, ball
9	29047	(-)	Wick, oiler (2 used)
10	E 2302 RT	(-)	Oiler (2 used)
11	1914501	(-)	Frame, commutator end, with oiler
12	5024654	(-)	Nut, brush holder screw (4 used)
13	120757	(-)	Screw, brush holder (4 used)
14	1910033	(-)	Spring (2 used)
15	12H 246	(-)	Washer, lock (packed 50 in a pkg.) (2 used)
16	21H 995	(-)	Screw, machine (2 used)
17	14H 850	(-)	Nut, terminal jam (6 used)
18	.....	( - )	Washer, lock, 1/4" (6 used)
19	24H 1287	(-)	Washer (3 used)
20	1902746	(-)	Washer, insulator (3 used)
21	1909995	(-)	Insulator, terminal (3 used)
22	1910880	(-)	Stud, terminal, and lead
23	1906911	(-)	Brush (2 used)
24	1909989	(-)	Holder, brush (2 used)
25	1913960	(-)	Screw, pole shoe (4 used)
26	1909982	(-)	Shoe, pole (2 used)
27	26H 13	(-)	Key, Woodruff
28	1911353	(-)	Coil, L.H.
29	1909988	(-)	Stud, terminal (2 used)
30	1911352	(-)	Coil, R.H.
31	1937386	(-)	Armature
32	1931893	(-)	Plate, bearing, and misc. items
33	1946631	(-)	Gasket
34	908605	(-)	Bearing, ball
35	1910013	(-)	Frame, drive end, with oiler
36	1910035	(-)	Collar
37	1872618	(-)	Washer
38	443344	(-)	Nut, armature shaft
39	1910011	(-)	Band, cover

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

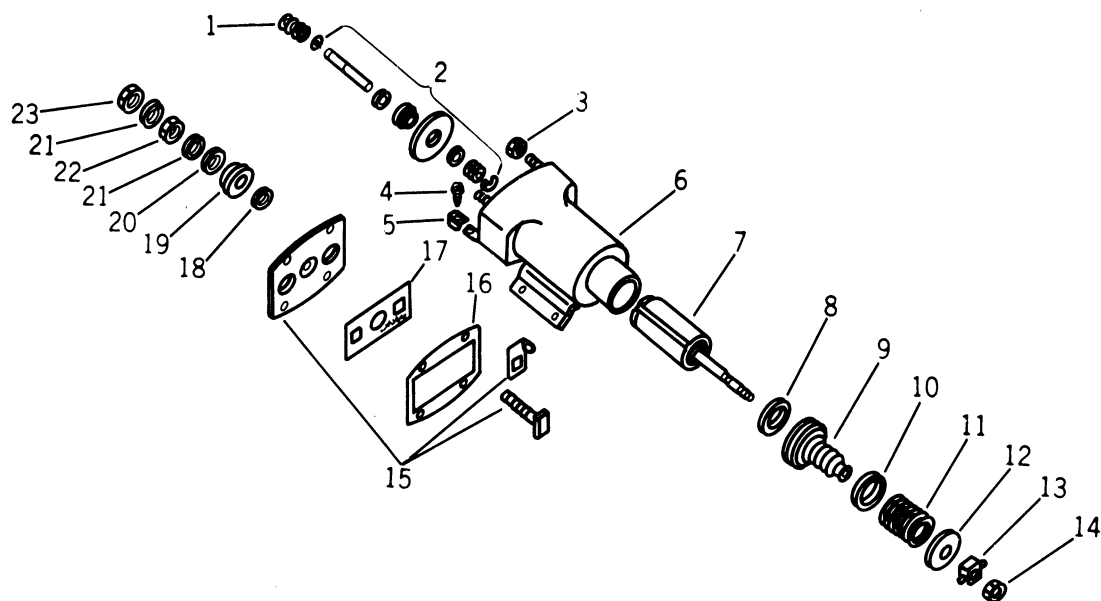
.. 1106867 (-) Generator (24-volt)

VOLTAGE REGULATOR (24-Volt) (Delco-Remy No. 1119268)



Key	Part No.	Tractor Serial No.	Description
1	AR 30007 R	(-)	Cover, with insulators and screws
2	9417092	(-)	Screw, special (2 used) (packed 2 in a pkg.)
	1953401	(-)	Insulator, cover screw (2 used)
3	1931887	(-)	Gasket
4	1939646	(-)	Armature
5	12H 314	(-)	Washer, lock, relay armature attaching screw (2 used)
6	1924764	(-)	Screw, relay armature attaching, with lock washer (set of 2) (sub. 21H111 and 12H314)
7	1944590	(-)	Screw, regulator armature adjusting (2 used)
8	1912176	(-)	Spring, armature (sub. R11112)
9	1923517	(-)	Spring
10	1923935	(-)	Grommet and ferrule (3 used)
11	443524	(-)	Screw, ground (packed 5 in a pkg.)
12	1855978	(-)	Clip, ground screw (sub. A2734R)
13	1910182	(-)	Resistor, "F" terminal to relay
14	1910182	(-)	Resistor, field terminal to ground (2 used)
15	.....	( - )	Nut, jam, 1/4" (3 used)
16	.....	( - )	Washer, lock, 1/4" (3 used)
17	21H 1032	(-)	Screw, mach., rd. hd., 1/4" x 1" (3 used)
18	1911028	(-)	Mount, shock
19	1911034	(-)	Mount, shock
20	1878507	(-)	Insulator (sub. R11102)
21	1922599	(-)	Insulator (sub. R11114)
22	1878516	(-)	Screw, contact attaching (2 used) (sub. 21H1288)
23	1878505	(-)	Plate, lock, contact attaching screw
24	1878503	(-)	Clip, terminal (3 used)
25	1914800	(-)	Screw, terminal (3 used) (packed 5 in a pkg.)
26	1878493	(-)	Support, contact
27	1933242	(-)	Support, contact
28	1912159	(-)	Screw, relay armature adjusting
29	R 37289 R	(-)	Bracket
30	.....	( - )	Screw, cap, 5/16" x 1-1/2" (4 used)
	.....	( - )	Washer, lock, 5/16" (4 used)
	.....	( - )	Nut, 5/16" (4 used)
31	.....	( - )	Screw, cap, 3/8" x 1-1/4" (2 used)
	.....	( - )	Washer, lock, 3/8" (2 used)
..	1119268	(-)	Regulator, voltage (24-volt) (sub. AR11158)

SOLENOID SWITCH (24-Volt)

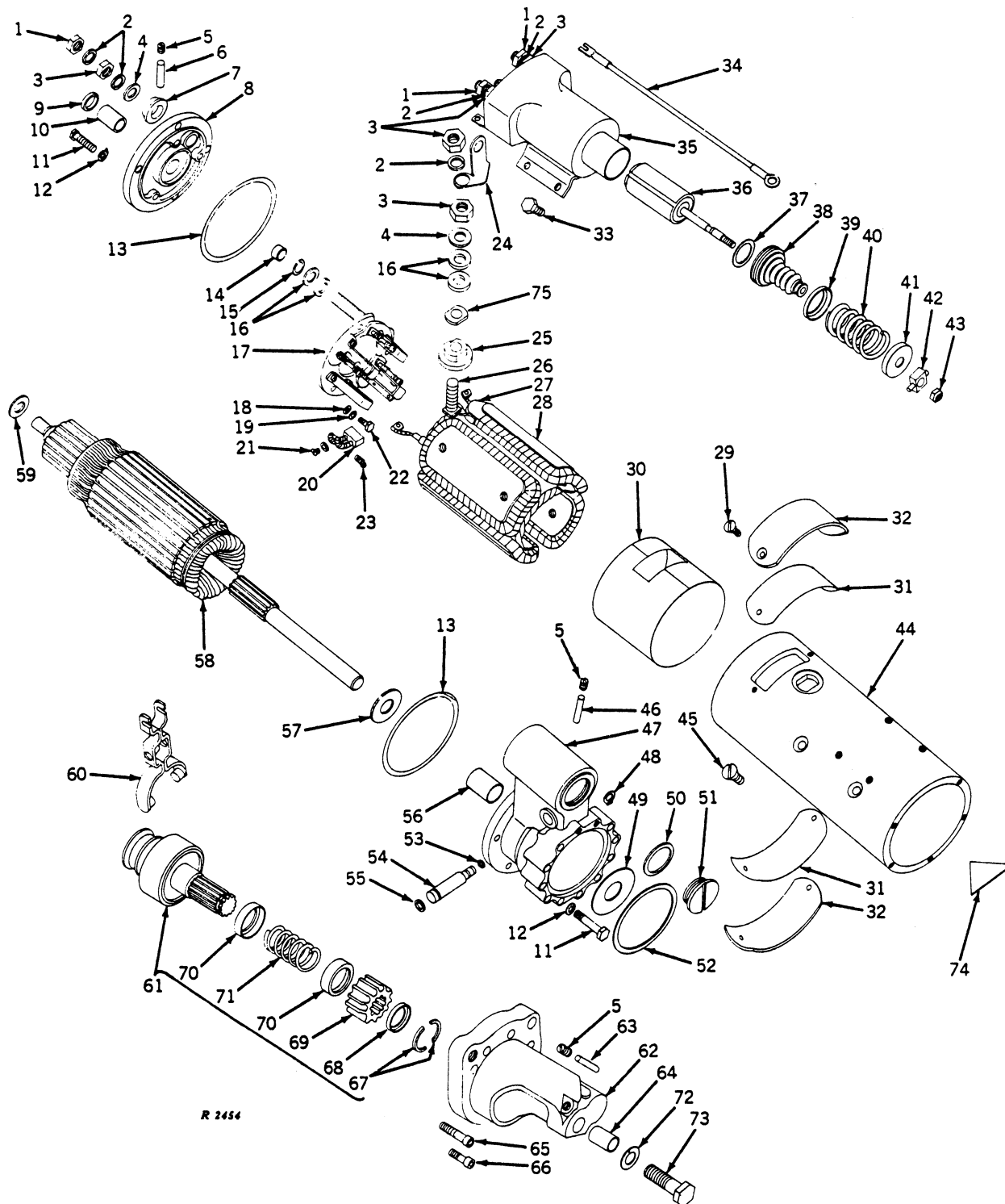


Key	Part No.	Tractor Serial No.	Description
1	1945402	(-)	Spring
2	1954861	(-)	Disk, contact
3	1945161	(-)	Nut, sealing (4 used)
4	21H 279	(-)	Screw, special slotted mach. (2 used)
5	1878503	(-)	Clip, lock (2 used)
6	1945399	(-)	Case and coil
7	1945480	(-)	Plunger
8	1945474	(-)	Washer
9	1942257	(-)	Boot
10	1942256	(-)	Retainer, spring
11	1942260	(-)	Spring, shift lever
12	1942282	(-)	Retainer, spring
13	1945475	(-)	Guide, plunger rod
14	9412305	(-)	Nut, special jam lock
15	1945400	(-)	Plate and terminal
16	1906053	(-)	Gasket, terminal plate
17	1931673	(-)	Insulation, terminal
18	1912959	(-)	Packing (2 used)
19	1914836	(-)	Insulator (2 used)
20	811912	(-)	Washer (2 used)
21	.....	( - )	Washer, lock, 1/2" (4 used)
22	.....	( - )	Nut, jam, 1/2" (2 used)
23	.....	( - )	Nut, hex., 1/2" (2 used)

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

1119832 (-) Switch, solenoid (24-volt), complete, but less keys 7 thru 14
(sub. AR11075)

STARTER (24-Volt) (Delco-Remy No. 1113858)



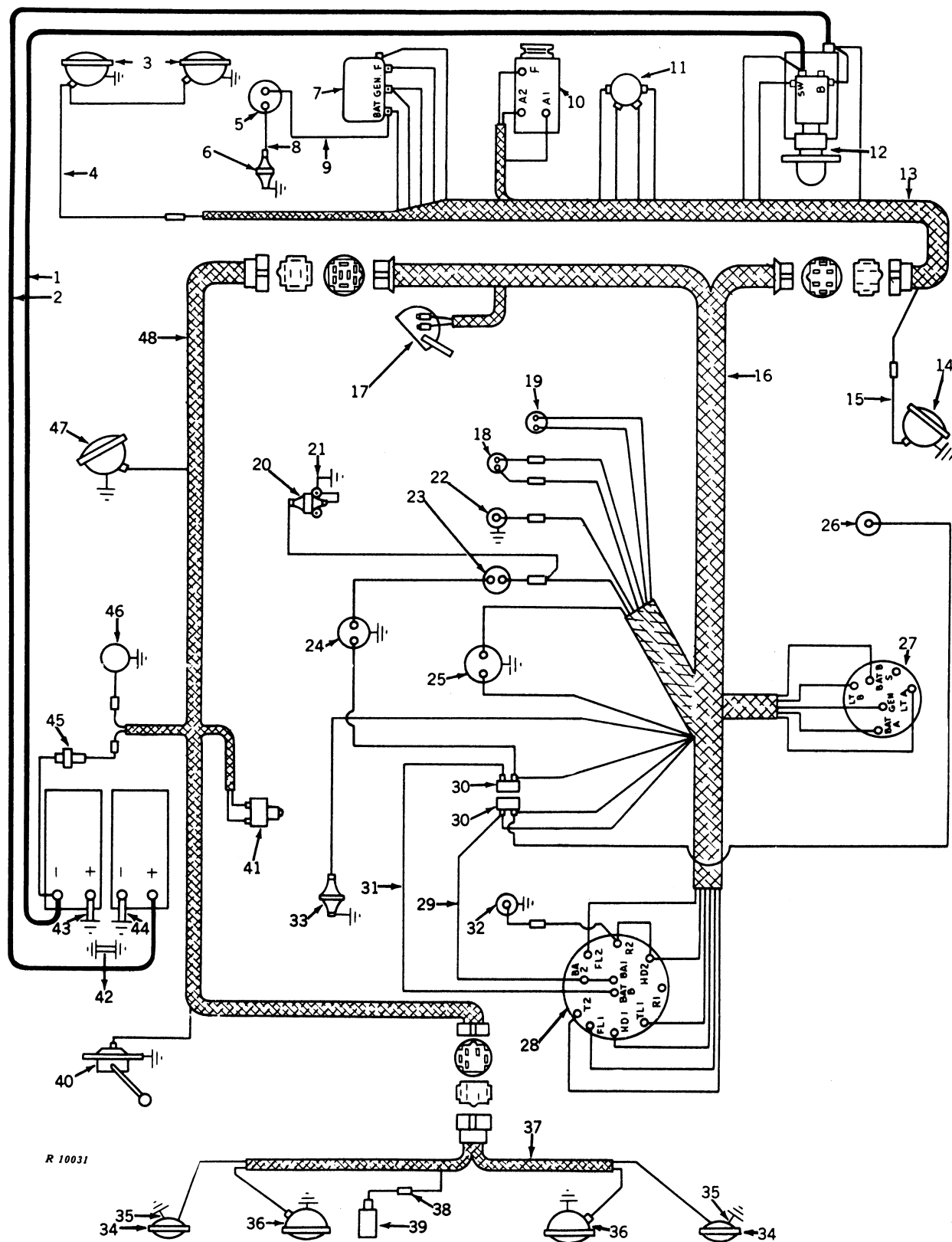
Key	Part No.	Tractor Serial No.	Description
1	.....	( - )	Nut, hex., 1/2" (3 used)
2	.....	( - )	Washer, lock, 1/2" (7 used)
3	.....	( - )	Nut, jam, 1/2" (5 used)
4	811912	(-)	Washer (4 used)
5	125947	(-)	Plug, pipe (3 used)
6	1917241	(-)	Wick
7	1918687	(-)	Insulator
8	1945514	(-)	Frame, commutator end
9	30H 11	(-)	Plug, expansion, commutator end
10	038273	(-)	Bushing, commutator end

STARTER (24-Volt) (Delco-Remy No. 1113858) -- Continued

Key	Part No.	Tractor Serial No.	Description
11	1867877	(-)	Screw, cap, special hex. (9 used)
12	.....	( - )	Washer, lock, 1/4" (9 used)
13	1916272	(-)	Packing, O-ring, motor frame (2 used)
14	1918640	(-)	Bushing, insulator
15	R 394 R	(-)	Packing, O-ring, commutator end terminal (Packed 5 in a pkg.)
16	1861791	(-)	Washer, insulating (4 used)
17	1945517	(-)	Plate, brush
18	24H 1281	(-)	Washer, 5/32" x 3/8" x 22 gauge (3 used)
19	.....	( - )	Washer, lock, no. 8 (3 used)
20	1906986	(-)	Brush (8 used)
21	21H 972	(-)	Screw, special mach. (8 used)
	12H 315	(-)	Washer, special lock (8 used)
22	21H 1158	(-)	Screw, special mach. (3 used)
23	1861785	(-)	Spring, brush (8 used) (sub. R11148)
24	1945468	(-)	Connector
25	1937116	(-)	Insulator
26	1945499	(-)	Screw, terminal
27	1945496	(-)	Coil, field
28	1934478	(-)	Shoe, pole (4 used)
29	9412358	(-)	Screw, special mach. (4 used)
30	1945479	(-)	Insulator, field coil, and commutator end
31	1945477	(-)	Gasket, cover plate (2 used)
32	1945478	(-)	Plate, cover (2 used)
33	1930611	(-)	Screw, special cap, with lock washer (4 used) (sub. 19H2479 and 12H302)
34	1908675	(-)	Lead, wiring
35	1945399	(-)	Case and coil, solenoid
	1119832	(-)	Switch, solenoid (see page 85-5 for parts)
36	1945480	(-)	Plunger
37	1945474	(-)	Washer
38	1942257	(-)	Boot, plunger
39	1942256	(-)	Retainer, spring
40	1942260	(-)	Spring, shift lever
41	1942282	(-)	Retainer, spring
42	1945475	(-)	Guide, plunger rod
43	9412305	(-)	Nut, special jam lock
44	.....	( - )	Not furnished
45	1843646	(-)	Screw, special mach. (8 used) (sub. T18353)
46	1917241	(-)	Wick, lever housing
47	1947262	(-)	Housing, lever
	1918047	(-)	Seal, oil
48	9415234	(-)	Ring, retainer (2 used)
49	1911644	(-)	Washer, brake
50	1916320	(-)	Gasket
51	1945356	(-)	Plug
52	1945476	(-)	Gasket
53	A 4365 R	(-)	Packing, O-ring
54	1945472	(-)	Shaft, shift lever
55	A 3917 R	(-)	Packing, O-ring (packed, O-ring (packed 2 in a pkg.))
56	1923484	(-)	Bushing
57	1936466	(-)	Spacer
58	1945500	(-)	Armature
59	1914842	(-)	Washer
60	1945484	(-)	Lever, shift
61	1945487	(-)	Drive, motor
62	1945506	(-)	Housing, drive
63	1909654	(-)	Wick, drive end
64	1945509	(-)	Bushing, drive end
65	1945473	(-)	Screw, special cap (5 used)
66	1945861	(-)	Screw, special cap
67	1945492	(-)	Washer, split (2 used)
68	1932035	(-)	Cup, pinion stop
69	1945491	(-)	Pinion
70	1911628	(-)	Cup, outer spring (2 used) (sub. R11021)
71	1945489	(-)	Spring, motor clutch
72	.....	( - )	Washer, lock, 5/8" (3 used)
73	.....	( - )	Screw, cap, 5/8" x 1-3/4" (3 used)
74	1913534	(-)	Insulator, field coil (sub. R11253)
75	1945469	(-)	Gasket, terminal stud

Part listed below is an assembly of parts in this grouping.
1113858 (-) Starter

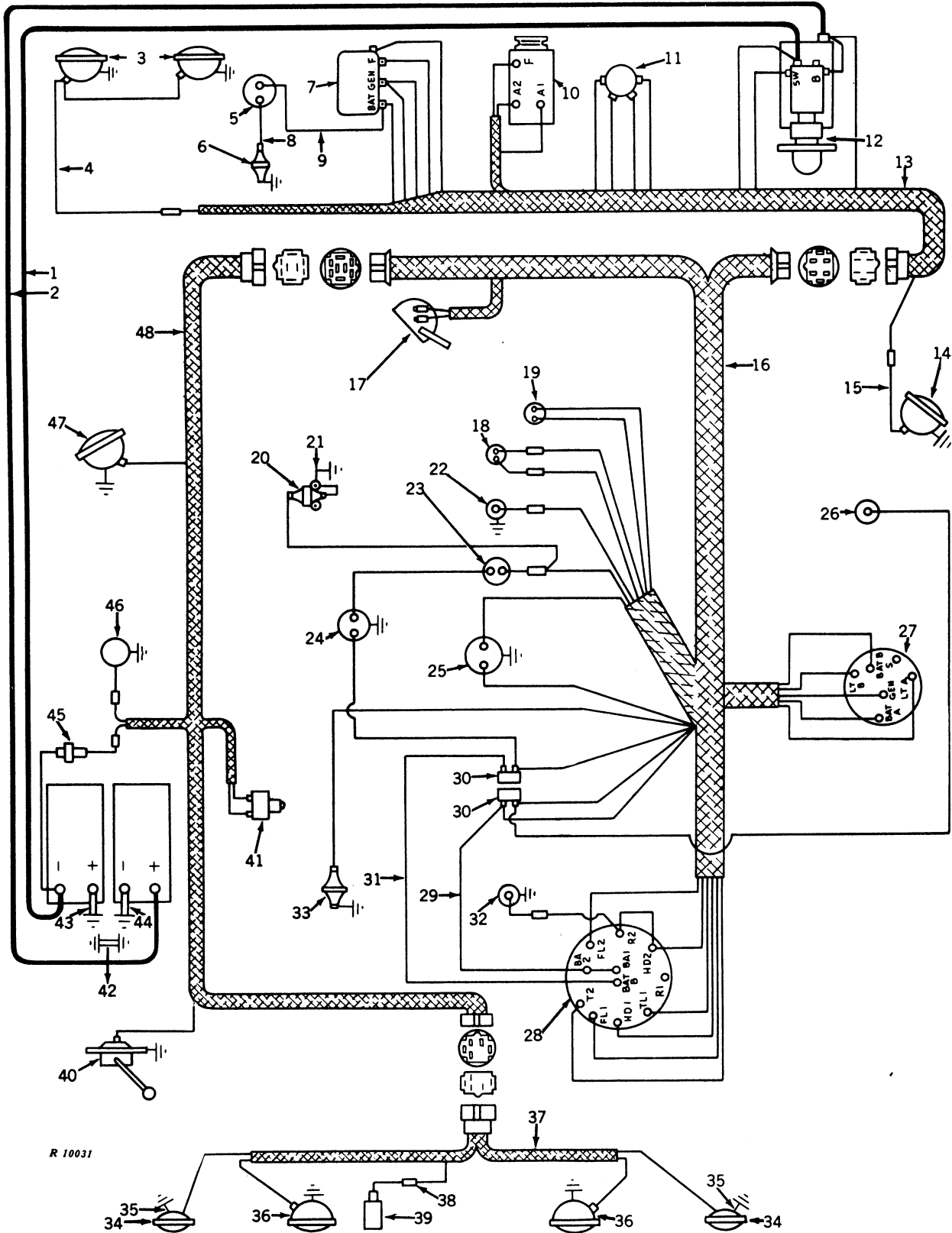
WIRING DIAGRAM



WIRING DIAGRAM -- Continued
(For Keys 45 through 48, See Page 85-11)

Key	Part No.	Tractor Serial No.	Description
1	R 37156 R	(-)	Cable, battery, positive terminal
2	R 37157 R	(-)	Cable, battery, negative terminal
3	AR 29145 R	(-)	Lamp, head (2 used)
	R 29212 R	(-)	Support, head lamp (2 used)
	.....	( - )	Nut, jam, 5/8" (4 used)
	R 29213 R	(-)	Clamp, head lamp support (2 used)
	.....	( - )	Screw, cap, high-strength, 7/16" x 1-3/4" (4 used)
	.....	( - )	Washer, lock, 7/16" (4 used)
4	R 37153 R	(-)	Harness, wiring, front head lamp
5	AR 27898 R	(-)	Hour meter (sub. AR39848)
6	AR 29339 R	(-)	Switch, oil pressure
7	1119268	(-)	Regulator, voltage (24 volt) (for parts see page 85-4) (sub. 1118737)
8	R 37204 R	(-)	Lead, wiring, hour meter to oil pressure switch
9	R 37205 R	(-)	Lead, wiring, regulator to hour meter
10	1106867	(-)	Generator (24 volt) (for parts see page 85-2)
11	R 11274 R	(-)	Switch, magnetic
12	1113858	(-)	Starter (24 volt) (for parts see page 85-7)
13	R 37154 R	(-)	Harness, wiring, starter and generator
14	AR 29146 R	(-)	Lamp, flood, R. H.
	R 29215 R	(-)	Spacer, flood lamp, lower (4 used)
	R 29216 R	(-)	Spacer, flood lamp, upper (4 used)
	.....	( - )	Nut, jam, 5/8" (4 used)
	R 29214 R	(-)	Cover, rear flood lamp support (2 used)
	37H 3	(-)	Screw, self tapping, 1/4" x 5/8" (12 used)
	A 3411 R	(-)	Grommet (2 used)
15	R 37160 R	(-)	Lead, wiring, R.H. fender lamp
16	R 37155 R	(-)	Harness, wiring, instrument panel
	R 37161	(-)	Bracket (2 used)
	R 37162	(-)	Retainer (2 used)
17	AR 29471 R	(-)	Switch, parking brake lamp
	.....	( - )	Screw, machine switch to platform extension
18	AT 14699 T	(-)	Lamp, generator indicator (for parts see page 70-2)
19	AR 21823 R	(-)	Switch, starter
	R 21156 R	(-)	Cap, switch
	R 21157 R	(-)	Nut, switch face
20	AR 29338 R	(-)	Switch, low air pressure
21	AR 11338 R	(-)	Lead, wiring, low air pressure switch to ground
22	AR 29341 R	(-)	Lamp, parking brake indicator (for parts see page 70-2)
23	AR 29903 R	(-)	Lamp, warning, air and oil
24	AR 21856 R	(-)	Flasher
25	AR 26716 R	(-)	Gauge, fuel (for parts see page 70-6) (sub. R34262)
26	AR 21327 R	(-)	Lighter, cigar
27	AR 26557 R	(-)	Switch, key
28	R 37270 R	(-)	Switch, light
29	R 37269 R	(-)	Harness, circuit breaker to light switch
30	AR 28403 R	(-)	Breaker, circuit
31	AR 29561 R	(-)	Lead, wiring, circuit breaker to light switch (make from AR84006)
32	AR 35993 R	(-)	Lamp, dash (for parts see page 70-2) (sub. AR33479)
33	AR 27977 R	(-)	Switch, oil pressure
34	AR 29147 R	(-)	Lamp, tail (2 used) (for parts see page 85-12)
	.....	( - )	Washer, lock, no. 10 (6 used)
	.....	( - )	Nut, hex., no. 10 (6 used)
35	AR 30963 R	(-)	Lead, wiring tail lamp to ground
36	AR 29146 R	(-)	Lamp, rear, flood (2 used)
37	R 37159 R	(-)	Harness, wiring, rear lamp
38	AL 2976 T	(-)	Connector (order R32029)
39	AM 2049 T	(-)	Socket, implement
	37H 3	(-)	Screw, self-tapping, 1/4" x 5/8" (2 used)
40	AR 26434 R	(-)	Sender, fuel gauge
	37H 47	(-)	Screw, self-tapping, no. 8 x 1/2" (5 used)
	R 27181 R	(-)	Gasket, sender to tank
41	AR 29125 R	(-)	Switch, neutral, safety, with boot (sub. AH64759)
	R 29136 R	(-)	Boot
42	AR 29101 R	(-)	Strap, ground battery base (2 used)
	.....	( - )	Screw, cap, high-strength, 3/8" x 1" (6 used)
	.....	( - )	Nut, 3/8" (6 used)
	.....	( - )	Washer, 13/32" x 11/16" x .060" (6 used)
	.....	( - )	Washer, lock, 3/8" (6 used)
43	AR 29099 R	(-)	Strap, ground, positive terminal
44	AR 29100 R	(-)	Strap, ground, negative terminal

WIRING DIAGRAM -- Continued

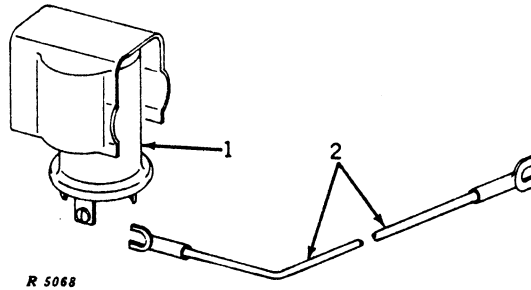


R 10031

WIRING DIAGRAM -- Continued
 (For Keys 1 through 44, See Page 85-9)

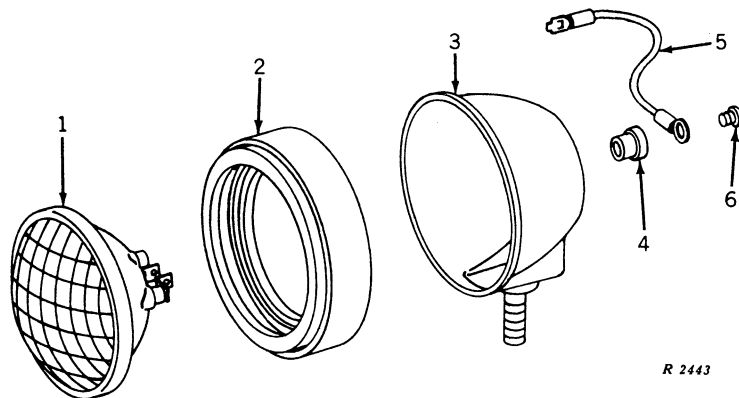
Key	Part No.	Tractor Serial No.	Description
45	AR 26756 R	(-)	Holder, fuse
46	AR 21650 R	(-)	Lamp, step (sub. AR65508)
	37H 49	(-)	Screw, self-tapping, no. 10 x 1/2"
	.....	( - )	Washer, lock
	AT 12948 T	(-)	Bulb, 6 C.P., 12-14 volt
47	AR 29146 R	(-)	Lamp, flood, L.H.
48	R 37158 R	(-)	Harness, wiring, instrument panel to rear lamp

WARNING LAMP FLASHER



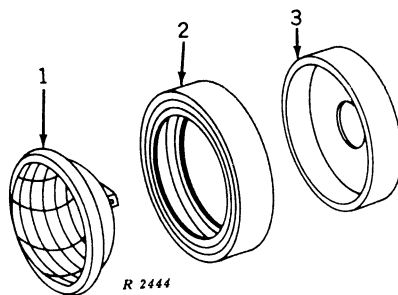
Key	Part No.	Tractor Serial No.	Description
1	AR 21856 R	(-)	Flasher, warning lamp (12-volt) (sub. AR21858)
2	AA 6037 R	(-)	Lead, wiring, 11" long (made from one R32008R and two R32016R in AR84006R kit)

HEAD LAMP (12-Volt) (AR29145R)
FLOOD LAMP (12-Volt) (AR29146R)



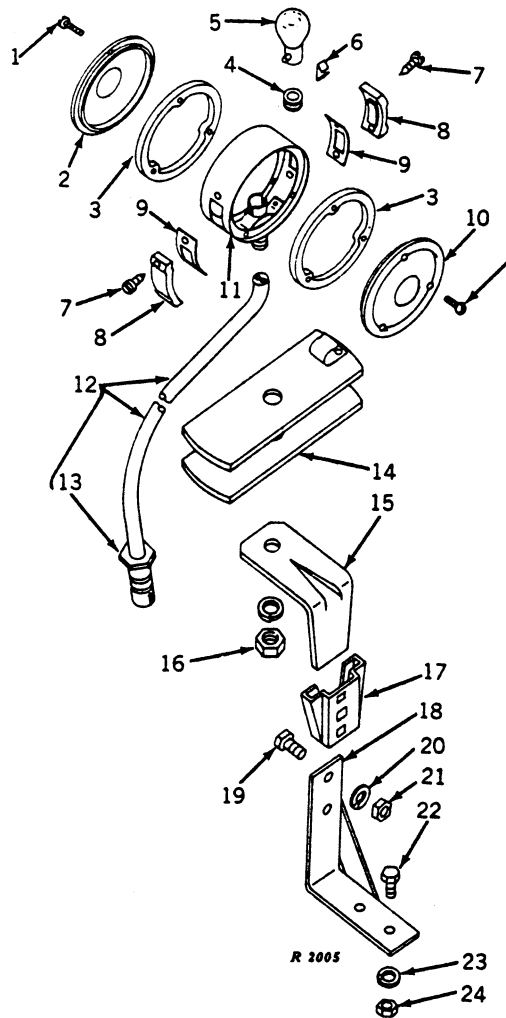
Key	Part No.	Tractor Serial No.	Description
1	AR 29544 R	(-)	Unit, sealed, head lamp (12-volt)
	AR 29545 R	(-)	Unit, sealed, flood lamp (12-volt)
2	R 30180 R	(-)	Bezel, lamp (sub. U44451)
3	.....	( - )	Body (not furnished) (order AR29145R head lamp)
	.....	( - )	Body (not furnished) (order AR29146R flood lamp)
4	R 30181 R	(-)	Plate, terminal
5	AR 29543 R	(-)	Lead, wiring, terminal plate to sealed unit
6	21H 972	(-)	Screw, special machine, wiring lead to terminal plate (2 used)

TAIL LAMP (12-Volt) (AR29147R)



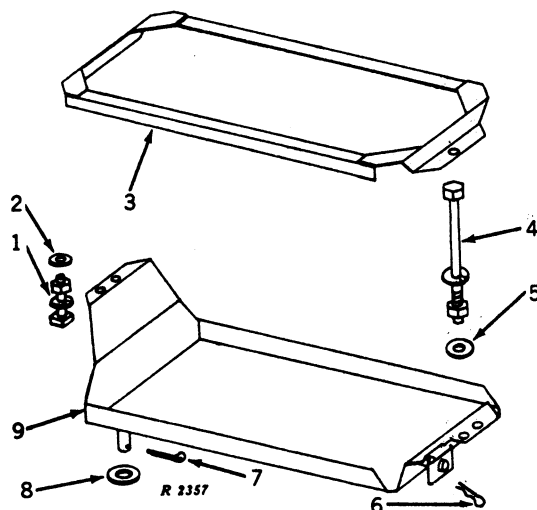
Key	Part No.	Tractor Serial No.	Description
1	AR 29546 R	(-)	Unit, sealed, tail lamp (12-volt), with screws (sub. U15506)
2	R 30182 R	(-)	Bezel, lamp (red)
3	.....	( - )	Body (not furnished) (order AR29147R tail lamp)

WARNING LAMP FOR TOWED IMPLEMENT



Key	Part No.	Tractor Serial No.	Description
1	21H 964	(-)	Screw, special machine (6 used)
2	A 5276 R	(-)	Lens, red
3	A 5277 R	(-)	Gasket, lens (2 used) (packed 2 in a pkg.)
4	R 2579 R	(-)	Grommet (packed 5 in a pkg.)
5	AA 6218 R	(-)	Bulb (21 c.p., 12-14-volt) (packed 10 in a pkg.)
6	A 5280 R	(-)	Clip (not furnished)
7	R 20786 R	(-)	Screw, self-tapping (4 used)
8	A 5278 R	(-)	Lens, outlook (2 used)
9	A 5279 R	(-)	Gasket, outlook lens (2 used) (packed 2 in a pkg.)
10	A 5275 R	(-)	Lens, amber
11	.....	( - )	Not furnished (order AA6145R complete lamp)
12	AA 5691 R	(-)	PLUG, ELECTRICAL OUTLET, WITH CABLE (ATTACHMENT) (sub. AR40710)
13	AA 5692 R	(-)	Plug, electrical outlet, less cable
14	AA 6217 R	(-)	Reel
15	A 5273 R	(-)	Bracket
16	.....	( - )	Nut, hex., 7/16"
17	JD 126	(-)	Washer, lock, 7/16"
18	AR 29650 R	(-)	Socket, lamp bracket
19	.....	( - )	Bracket, warning lamp
20	.....	( - )	Screw, cap, 5/16" x 3/4" (2 used)
21	.....	( - )	Washer, lock, 5/16" (2 used)
22	.....	( - )	Nut, hex., 5/16" (2 used)
23	.....	( - )	Screw, cap, 3/8" x 1" (2 used)
24	.....	( - )	Washer, lock, 3/8" (2 used)
			Nut, hex., 3/8" (2 used)

BATTERY BOX



Key	Part No.	Tractor Serial No.	Description
1	.....	( - )	Screw, cap, high-strength, 3/8" x 1-3/4" (4 used)
	.....	( - )	Nut, hex., 3/8" (4 used)
	.....	( - )	Washer, lock, 3/8" (4 used)
2	24H 1303	(-)	Washer, 13/32" x 11/16" x .60" (4 used)
3	AR 29092 R	(-)	Clamp, battery (2 used)
4	8H 4074 R	(-)	Bolt, hex., 3/8" x 7" (2 used)
	.....	( - )	Nut, hex., 3/8" (2 used)
	.....	( - )	Washer, lock, 3/8" (2 used)
5	24H 1303	(-)	Washer, 13/32" x 11/16" x .60" (2 used)
6	A 3581 R	(-)	Pin, spring locking (2 used) (packed 25 in a pkg.)
7	.....	( - )	Pin, cotter, 3/16" x 1-1/2" (2 used)
8	24H 1439	(-)	Washer, 1" x 1-1/2" x .60" (2 used)
9	AR 29091 R	(-)	Base, battery box (2 used)

Parts listed below are not illustrated.

..	8H 210	(-)	Bolt, 3/8" x 1", battery compartment door latch.
..	14H 827	(-)	Nut, wing, 1/8", on door latch bolt
..	24H 1312	(-)	Washer, 13/32" x 1-3/8" x .105", on latch bolt.

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

JOHN DEERE

JOHN DEERE



JOHN DEERE

Key	Part No.	Size
1	JD 250	1/2" x 7-1/8"
	JD 251	11/16" x 10"
	JD 235 *	11/16" x 10"
	JD 252	1" x 14-1/4"
	JD 236 *	1" x 14-1/4"
	JD 5152 (dark green)	1" x 14-1/4"
	JD 253	1-1/4" x 17-3/4"
	JD 237 *	1-1/4" x 17-3/4"
	JD 5153 (dark green)	1-1/4" x 17-3/4"
	JD 267	1-1/2" x 21-3/8"
	JD 238 *	1-1/2" x 21-3/8"
	JD 254	1-3/4" x 25"
	JD 239 *	1-3/4" x 25"
	JD 255	2-1/4" x 32"
	JD 5206 *	5-3/4" x 8"
	JD 5208 *	2-1/2" x 35-5/8"
	JD 256	4" x 57"
	JD 5155 (dark green)	2-1/4" x 32"
2	JD 110	3/4" x 6"
	JD 111	1" x 8"
	JD 112	1-1/4" x 10"
	JD 113	1-1/2" x 12"
	JD 114	2-1/2" x 20"
	JD 115	2" x 16"
3	JD 257	1/2" x 6"
	JD 258	3/4" x 9"
	JD 243 *	3/4" x 9"
	JD 259	1" x 12"

Key	Part No.	Size
4	JD 259	1" x 10-3/4"
	JD 257	1/2" x 5-3/8"
	JD 258	3/4" x 8-1/16"
5	JD 5250	1-7/16" x 2"
	JD 5260**	1-7/16" x 2"
	JD 5251	2-1/8" x 3"
	JD 5202*	2-1/8" x 3"
	JD 5261**	2-1/8" x 3"
	JD 5321***	2-1/8" x 3"
	JD 5252	2-7/8" x 4"
	JD 5203*	2-7/8" x 4"
	JD 5262**	2-7/8" x 4"
	JD 5241***	2-7/8" x 4"
	JD 5253	3-9/16" x 5"
	JD 5204*	3-9/16" x 5"
	JD 5263**	3-9/16" x 5"
	JD 5242***	3-9/16" x 5"
	JD 5254	4-1/4" x 6"
	JD 5205*	4-1/4" x 6"
	JD 5264**	4-1/4" x 6"
	JD 5243***	4-1/4" x 6"
	JD 5244***	5-3/4" x 8"
	JD 5270	6-3/8" x 9"
	JD 5265**	6-3/8" x 9"
	JD 5165 (yellow deer)	6-3/8" x 9"
	JD 5258	8-1/2" x 12"
	JD 5207*	8-1/2" x 12"
	JD 5259	11-3/4" x 16-5/8"

*Black decals for machines painted other than John Deere green.

**Leaping deer decals for South and Central America.

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

DECALCOMANIAS

Key	Part No.	Tractor Serial No.	Description
A	5180 R	(-)	Decalcomania, 12-volt
R	30166 R	(-)	Decalcomania, hydraulic pump and axle drive
R	30168 R	(-)	Decalcomania, engine oil filler
R	30169 R	(-)	Decalcomania, engine shut-off
R	30171 R	(-)	Decalcomania, engine emergency shut-off
R	30172 R	(-)	Decalcomania, ether tube warning
R	30174 R	(-)	Decalcomania, hydraulic control levers
JD	5299	(-)	Decalcomania, leaping deer, 7-3/16" x 5"
R	37252 R	(-)	Decalcomania, gear shift
R	37253 R	(-)	Decalcomania, low air or engine oil pressure warning
R	37254 R	(-)	Decalcomania, front and rear bogie lubrication panel
R	37255 R	(-)	Decalcomania, start and parking brake release
R	37256 R	(-)	Decalcomania, lubrication and periodic services
R	37295 R	(-)	Decalcomania, series designation
JD	255	(-)	Decalcomania, John Deere, horizontal, on fuel tank, 2-1/4" x 32"
JD	5259	(-)	Decalcomania, leaping deer, 11-3/4" x 16-5/8"

HARDWARE FOR FRAME PARTS NOT ILLUSTRATED

Part No.	Tractor Serial No.	Description
Parts listed below are not illustrated.		
.....	(-)	Screw, cap, 7/16" x 1", rear frame to bracket (10 used)
.....	(-)	Washer, lock, 7/16" (10 used)
.....	(-)	Screw, cap, 5/8" x 1-3/4", subframe to rear frame (6 used)
.....	(-)	Washer, lock, 5/8" (6 used)
.....	(-)	Nut, 5/8" (6 used)
.....	(-)	Screw, cap, 5/8" x 2", subframe to rear frame (10 used)
.....	(-)	Washer, lock, 5/8" (10 used)
.....	(-)	Nut, 5/8" (10 used)
.....	(-)	Screw, cap, 5/8" x 7", subframe to rear frame (2 used)
.....	(-)	Washer, lock, 5/8" (2 used)
.....	(-)	Nut, 5/8" (2 used)
.....	(-)	Screw, cap, 3/4" x 2-1/4", subframe to rear frame (4 used)
.....	(-)	Washer, lock, 3/4" (4 used)
.....	(-)	Nut, 3/4" (4 used)

Part No.	Page	Key	Part No.	Page	Key	Part No.	Page	Key	Part No.	Page	Key
14 R	55-13	22	118750	30-3	18	179847	15-9	16	444687	10-10	8
400 R	50-3	43	118753	20-17	20	179847	20-1	21	444687	20-6	13
405 R	40-2	2	118755	20-17	21	179847	30-8	1	444687	30-1	4
405 R	45-7	9	118755	30-3	9	179848	20-1	21	444692	10-3	4
405 R	50-7	19	119832	85-7	35	179857	10-15	6	444692	15-8	20
18001	10-4	19	120217	20-20	10	179857	20-21	..	444692	20-13	7
29047	85-3	9	120374	15-5	1	179860	85-1	15	444795	10-3	4
32240 A	50-7	48	120391	20-13	15	179862	10-16	2	444795	10-4	7
038273	85-6	10	120392	20-1	7	179862	20-17	7	444795	10-15	19
100014	20-20	7	120393	15-7	18	179862	20-20	1	444867	10-3	4
100040	85-1	9	120393	20-5	3	179866	20-5	24	444867	10-4	8
100173	25-6	18	120401	20-17	23	179867	10-11	3	444867	15-9	19
103321	10-3	11	120757	85-3	13	179882	10-3	23	444867	25-3	14
103321	15-8	8	121902	25-3	23	179882	10-15	4	444873	10-3	4
103340	10-5	5	121917	20-9	4	179882	20-21	..	444873	10-4	6
103341	10-3	7	121926	20-1	5	181361	20-6	8	445520	20-13	4
103341	10-15	17	121928	20-20	13	181370	10-11	7	446072	10-7	5
103341	20-1	20	121928	20-20	17	181370	30-4	11	447196	20-15	67
103341	30-3	10	122161	20-13	36	181370	85-1	2	451905	20-13	55
103341	30-5	10	122236	20-15	75	181374	10-6	17	455532	10-9	3
103341	85-1	7	122797	25-6	3	181385	10-5	2	457187	20-13	39
103342	10-12	..	123390	20-13	6	181394	10-12	6	811912	85-5	20
103342	20-20	3	125947	85-6	5	182776	20-5	33	811912	85-6	4
103343	25-6	13	132264	20-13	29	186282	20-1	21	905259	25-6	9
103375	20-17	4	132430	15-5	1	186283	15-8	7	905260	25-6	6
103495	20-9	9	137406	30-1	19	186309	10-5	5	905304	20-5	43
103647	15-9	27	137407	30-3	6	186309	10-15	2	908605	85-3	34
103647	25-3	7	137421	20-6	3	186310	10-15	2	954418	20-5	48
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