

**SERVICE
PARTS
CATALOG**

DEUTZ

F2L 511D DIESEL ENGINE

AS USED ON

MODEL L-445

SKID-STEER LOADER

ISSUE 6-81

SPERRY  NEW HOLLAND

Ausgabedatum / Date of Issue / Date d'Édition / Fecha de edición 4.6.1980

Blatt-Nr. / Page No. / Page / Hoja No. 4/E
Austausch

Rundschreiben-Nr.
Circular No. / Circulaire No. / Circular No.

Motor-Baureihe
Engine Series
Série Moteurs
Serie de motor

Baugruppe
Assembly group
Nos. du groupe de pièces
Grupo de construcción

Lfd. Nr.
Ser. No.
No. d'ordre
No. corr.

FL 912/
913

09-16

Siehe auch
Nachtrag Lfd. Nr.

See also Supplement Ser. No.
Voir aussi complément No. d'ordre
Véase también Suplemento No. corr.

Datum
Date / Fecha

Inhalt / Contents / Objet / Contenido

4.6.80 Re.: FL912/913, BF6L 913 -
Change-over switch for single-
circuit oil heating systems -

0150 15 491

~~20.8.80~~
4.11.80 Re.: B/F6L 913 -
Lube Oil Pump

0150 14 497 1.

4.12.80 Re.: FL 912, B/FL 913 -
Pressure oil pipe,
F2L 912 - Cover plate

0150 16 499

15.5.81 FL 912, B/FL 913, FL 511 -
Oil nozzle on the rocker arm

0150 11 505

20.8.82 FL 912, B/FL 913, FL 511 -
Rocker arm bush

0150 11 515

27.10.82 B/F 6 L 913 + Lube oil pump

0150 14 518

02.02.83 FL 912/W, B/FL 913 -
Valve Clearance easy and quick
to adjust -

0150 11 523

21.4.83 FL 912, B/FL 913 -
Lube oil pump fastening screw

0150 14 530

30.5.83 FL 912, B/FL 913 -
Pressure oil pipe and O-seal

0150 16 532

Klöckner-Humboldt-Deutz AG



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Indice para Circulares Técnicas (TR)

Ausgabedatum / Date of Issue / Date d'Édition / Fecha de edición

17.8.1983

Blatt - Nr. / Page No. / Page / Hoja No.

- 5/E -

Rundschreiben - Nr.

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17.8.83

F 3- 6 L 912 -
Front cover and yoke spring

0150

16

537

7.9.83

FL 912/913, BFL 913/T -
Screw Plugs on Change-Over Switch

0150

15

538

Folgeblatt - Nr.

Continuation No. / A Suivre / Hoja de continuación No.



Technisches Rundschreiben

Technical Circular · Circulaire Technique · Circular Tecnica

TR 0150-15-538 E
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Bemerkung: Teilenummern nur gültig für den derzeitigen Änderungsstand.

Note: Part numbers subject to alteration without further notice.

Remarque: Les Nos. de pièce pourront être modifiés sans avis préalable.

Nota: Los números de pieza están sujetos a modificaciones sin previo aviso.

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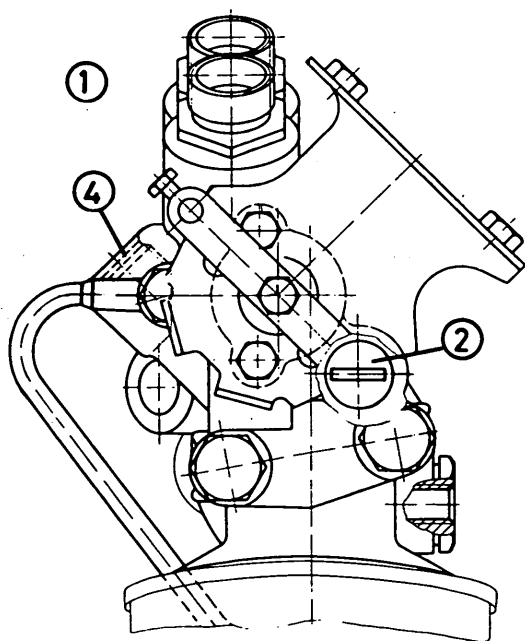
FL 912/913, BFL 913/T - Screw Plugs on Change-Over Switch

The previous screw plugs with cone have been inserted by using a sealing compound.

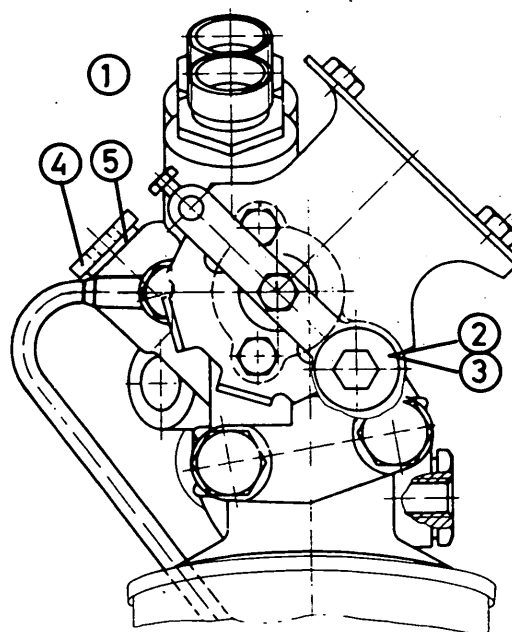
Screw plugs with socket head and copper sealing ring have been introduced now to improve the sealing effect. In the area of the screw plugs, the wall thickness values of the change-over switch were increased.

Change-over switch

Formerly



Now



	Formerly	Now
① Change-over switch		
for 1.5 ltrs. filter BF 6 L 913	223 6543 KZ	223 9555 KZ
for 2.2 ltrs. filter, BF 6 L 913	223 6545 KZ	223 9556 KZ
for IVECO vehicles, BF 6 L 913	223 6547 KZ	223 9557 KZ
for GMC, BF 6 L 913	223 8472 KZ	223 9558 KZ
for IVECO vehicles, F 6 L 913, BF 6 L 913 T	223 6529 KZ	223 9563 KZ
for IVECO vehicles, F 5 L 912	223 6531 KZ	223 9564 KZ
for series FL 912/913	223 6539 KZ	223 9565 KZ
for IVECO vehicles, F 4 L 913	223 7051 KZ	223 9566 KZ
for tractor TM1, F 4 L 913 BF 4 L 913/T	223 8091 KZ	223 9567 KZ
② Screw plug	223 6374 ED	223 9559 ED
③ Sealing ring	--	111 8713 ES DIN 7603-A18x22Cu
④ Screw plug	116 5787 ED	112 4758 ES
⑤ Sealing ring	--	111 8700 ES DIN 7603-A16x20Cu

Repair note:

In case of leaks on the screw plugs with cone, insert these, using a sealing compound.

The new screw plugs with O-seal cannot be installed to replace the screw plugs with cone.

As from engine S/N the following change-over switches have been installed:

P/N	Engine	as from Engine S/N
223 9555 KZ	BF 6 L 913 C	6 708 330
223 9556 KZ	BF 6 L 913	6 891 972
223 9557 KZ	BF 6 L 913	6 673 513
223 9563 KZ	BF 6 L 913 T	6 882 805
223 9565 KZ	F 5 L 912	6 771 784
223 9566 KZ	F 4 L 913	6 754 847
223 9567 KZ	BF 4 L 913	6 862 804

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IMPORTANT

Portions of this catalog have been reproduced from Deutz Parts Catalog and list those parts which are applicable to Deutz F2L-511D engines as used on Sperry New Holland equipment. Most parts used on these engines are cataloged and available only thru Deutz dealers. Only those items with New Holland part numbers should be ordered from Sperry New Holland.

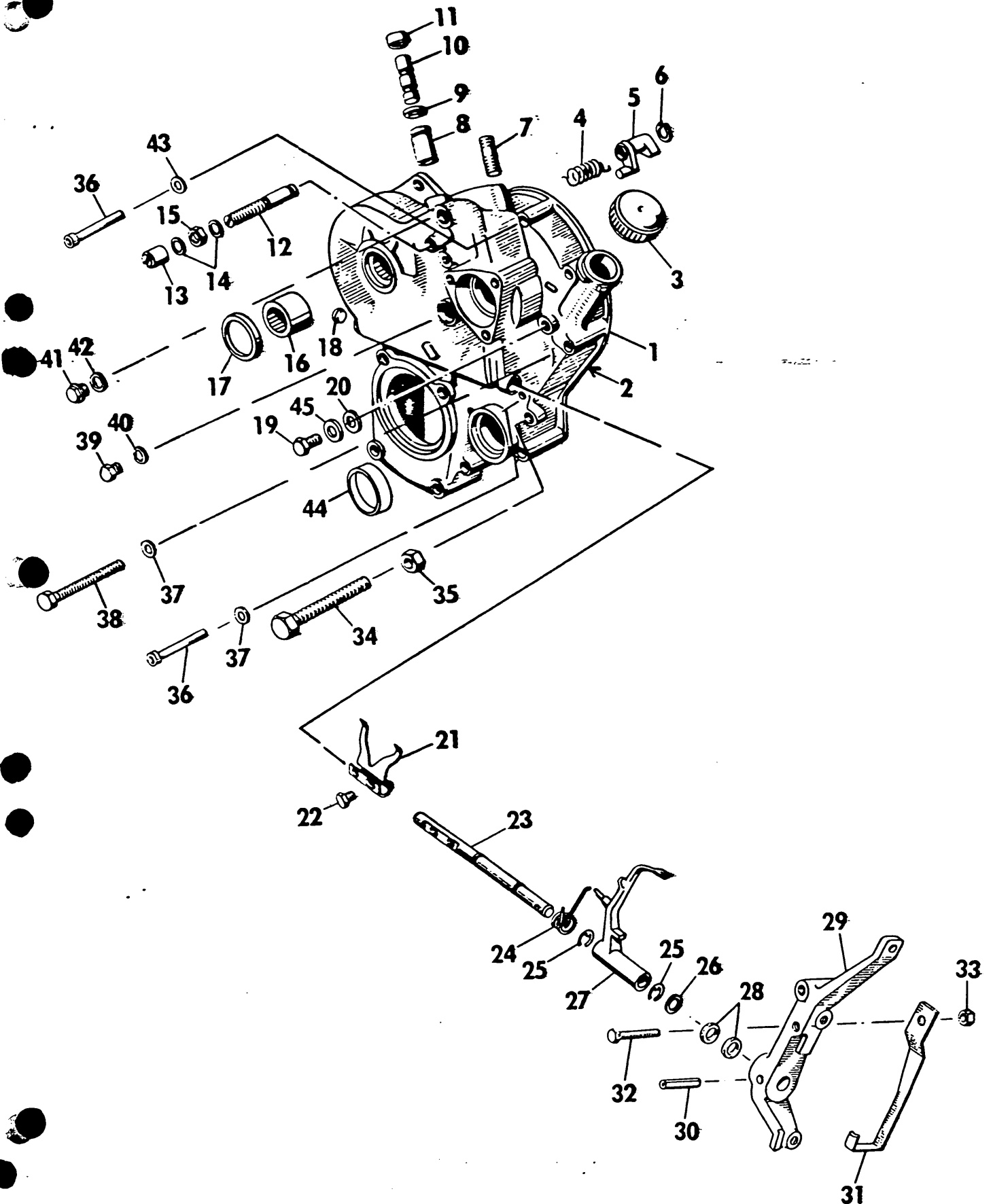
To obtain the maximum benefits from the Deutz service, it is important that you contact your local Deutz dealer as soon as you receive your first machine equipped with any of these engines. At that time, the Deutz dealer will explain the various types of parts, service, and warranty programs available to Sperry New Holland dealers.

NOTE: Refer to respective machine Service Parts Catalog for engine attaching and related parts which are not shown in this manual.

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DEUTZ F2L-511D
FRONT COVER GROUP

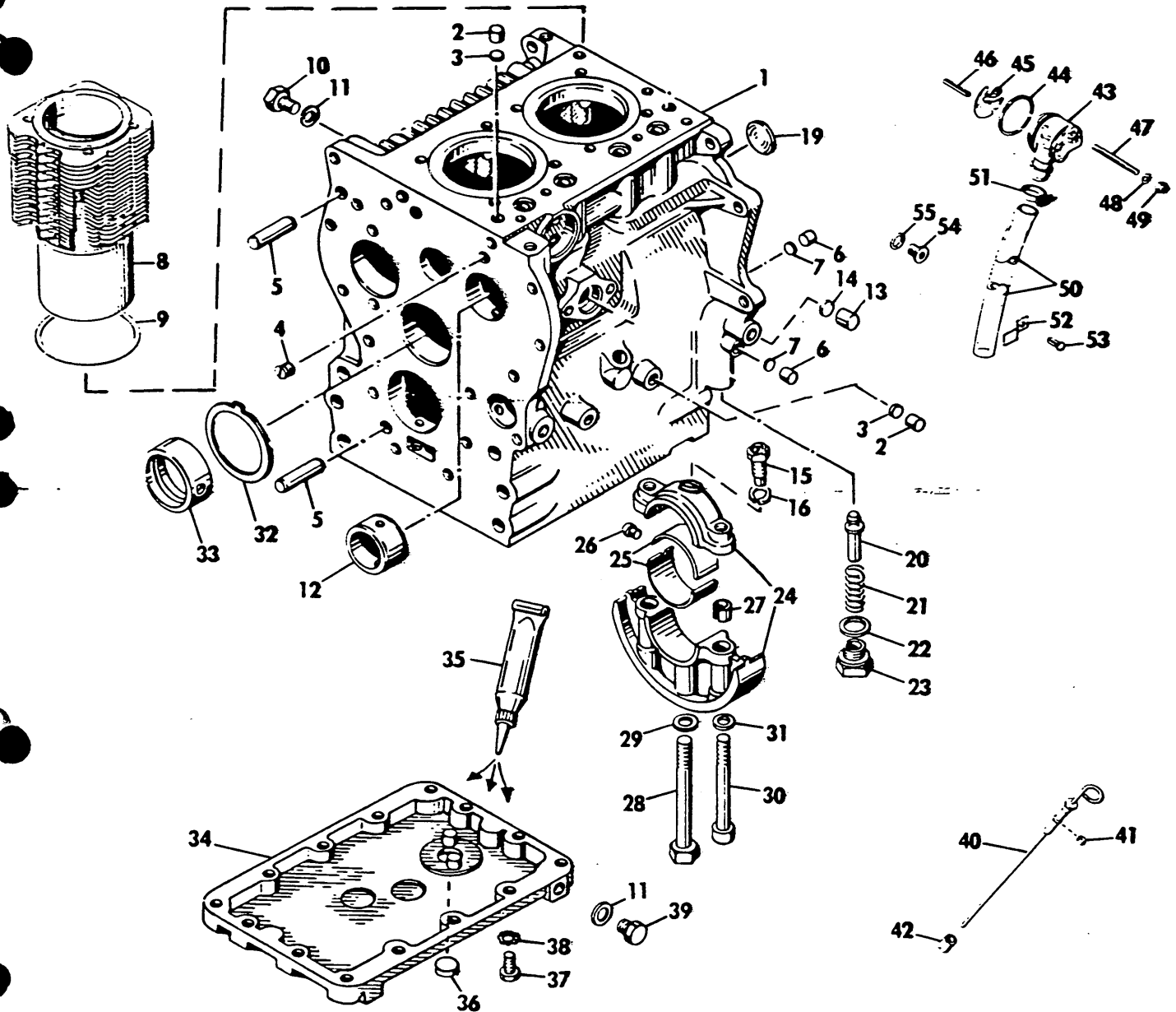


DEUTZ F2L-511D
FRONT COVER GROUP

Ref. No.	DEUTZ Part No.	No. Used	Description
1	223 5114	1	Cover
2	100 7910	1	Sealer
3	117 2852	1	Filler Cap
4	335 7737	1	Spring
5	223 4048	1	Stop
6	110 7713	1	Snap Ring
7	213 8618	4	Threaded Pin
8	223 6455	1	Bushing
9	116 5975	1	"O" Ring
10	223 6454	1	Pin
11	117 3729	2	Washer
12	335 7098	1	Threaded Pin
13	223 0030	1	Threaded Bushing
14	111 8647	2	Washer
15	110 7600	1	Hex Nut, M 8
16	116 1639	1	Needle Bearing
17	116 3273	1	Seal
18	110 7613	1	Plug
19	223 4200	1	Hex Head, Cap Screw
20	121 6101	1	Washer
21	223 3974	1	Yoke
22	223 4199	2	Hex Head, Cap Screw, M 6 x 10
23	223 4195	1	Shaft
24	335 7736	1	Spring
25	111 7930	2	Snap Ring
26	337 9712	AR	Washer
27	223 4046	1	Arm
28	116 5986	2	"O" Ring
29	223 3772	1	Lever
30	111 5437	1	Spring Pin, M 5 x 28
31	223 3771	1	Leaf Spring
32	113 7107	1	Hex Head, Cap Screw, M 6 x 50
33	111 2811	1	Hex Nut, M 6
34	111 2372	1	Hex Head, Cap Screw, M 8 x 70
35	111 2823	1	Hex Nut, M 8
36	111 0539	14	Socket Head, Cap Screw, M 6 x 50
37	121 8400	14	Washer
38	111 2290	1	Hex Head, Cap Screw
39	111 8964	1	Plug, M 16 x 1.5
40	111 8796	1	Washer, M 16
41	111 8979	1	Plug, M 22 x 1.5
42	111 8736	1	Washer, M 22
43	111 8641	1	Washer
44	121 0751	1	Plug
45	336 3948	1	Washer

AR - As Required

DEUTZ F2L-511D
CRANKCASE GROUP



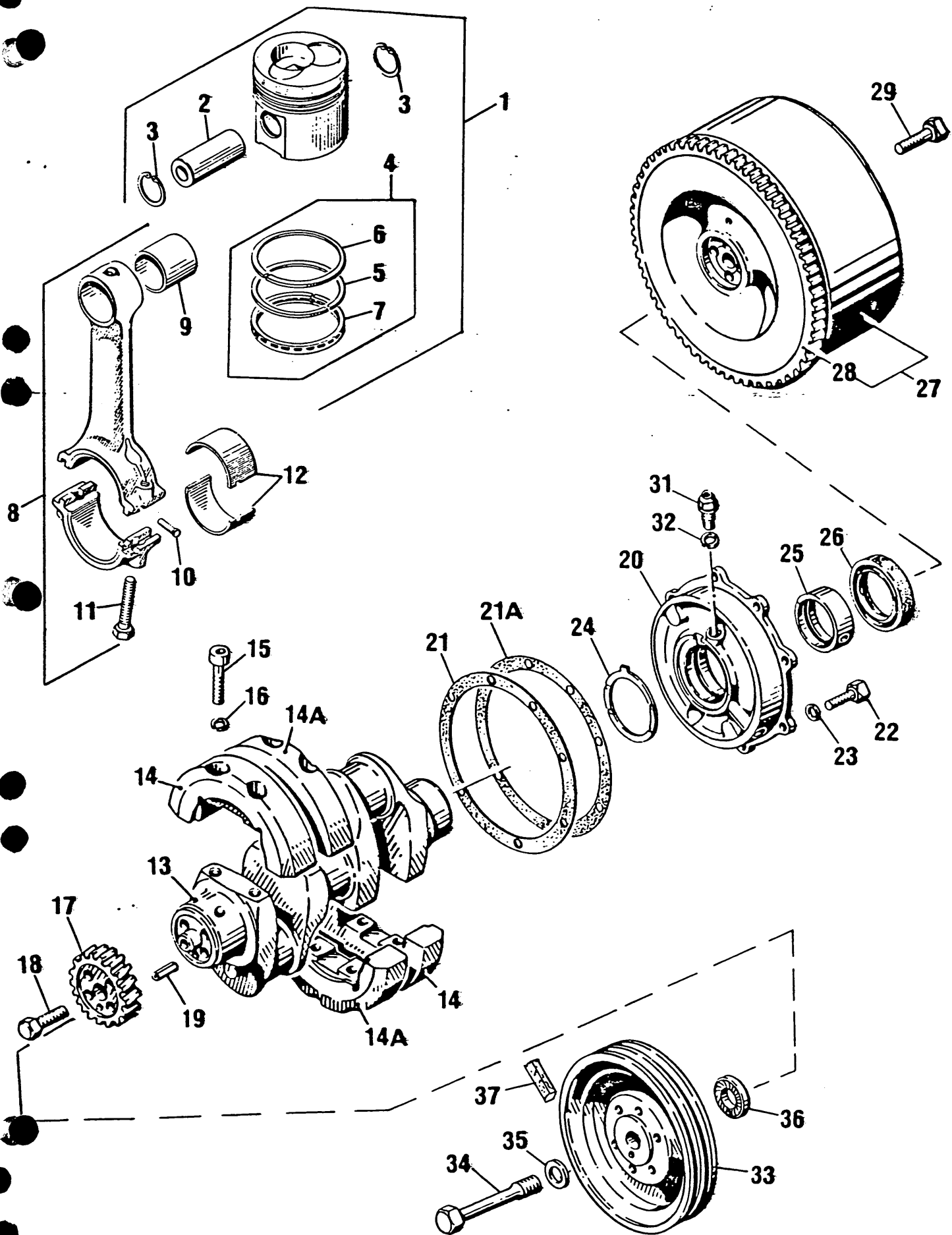
Ref. No.	DEUTZ Part No.	No. Used	Description
1	223 3608	1	Crankcase
2	117 0580	2	Plug
3	116 7010	2	Washer
4	116 5786	1	Plug, M 14 x 1.5
5	110 5181	2	Dowel Pin, M 6 x 24
6	116 0100	2	Plug
7	116 7012	2	Washer
8	223 4078	2	Cylinder
9	213 7256	4	Shim
10	111 2490	1	Hex Head, Cap Screw, M 12 x 16
11	111 8673	2	Washer, M 12 x 15.5
12	213 1938	1	Bearing, Camshaft
13	116 3092	2	Plug
14	116 3091	2	Washer, M 6
15	213 4268	1	Nozzle

CONTINUE

DUETZ F2L-511D
CRANKCASE GROUP (CONTINUED)

Ref. No.	DEUTZ Part No.	No. Used	Description
16	111 9610	1	Washer
19	121 6241	1	Plug
20	337 1383	1	Valve
21	337 1384	1	Spring
22	111 8706	1	Washer, M 16 x 22
23	346 9004	1	Plug
24	223 3612	1	Bearing Holder
25	335 7042	1	Bearing Liner Set, Standard, 60mm
	335 7043	1	Bearing Liner Set, 59.5mm
	335 7044	1	Bearing Liner Set, 59mm
	335 7045	1	Bearing Liner Set, 58.5mm
26	335 6976	1	Pin
27	116 7269	2	Bushing
28	111 1545	1	Hex Head, Cap Screw, M 12 x 90
29	110 7110	1	Washer
30	111 0701	2	Socket Head, Cap Screw, M 10 x 80
31	121 6120	1	Washer
32	223 4056	1	Stop Ring, Standard, 3mm
	223 4057	1	Stop Ring, 3.25mm
	223 4058	1	Stop Ring, 3.50mm
	223 4059	1	Stop Ring, 3.75mm
33	223 3710	1	Bearing, Standard, 64mm
	223 3712	1	Bearing, 63.5mm
	223 4054	1	Bearing, 63mm
	223 4055	1	Bearing, 62.5mm
34	223 3993	1	Oil Pan
35	100 7910	1	Sealant
36	116 5789	1	Plug
37	111 2266	14	Hex Head, Cap Screw, M 6 x 22
38	112 6726	14	Lockwasher, M 6
39	223 3994	1	Drain Plug
40	336 2495	1	Dipstick
41	116 5975	1	"O" Ring
42	116 7269	1	Tube
43	223 3840	1	Breather
44	117 1734	1	"O" Ring
45	223 3839	1	Valve Plate
46	111 5433	1	Spring Pin, M 5 x 16
47	111 3363	1	Stud, M 6 x 60
48	111 8641	1	Washer, M 6 x 10
49	111 4357	1	Locknut, M 6
50	335 7112	1	Hose
51	112 8267	1	Clamp
52	223 3837	1	Clip
53	111 5333	1	Drive Screw

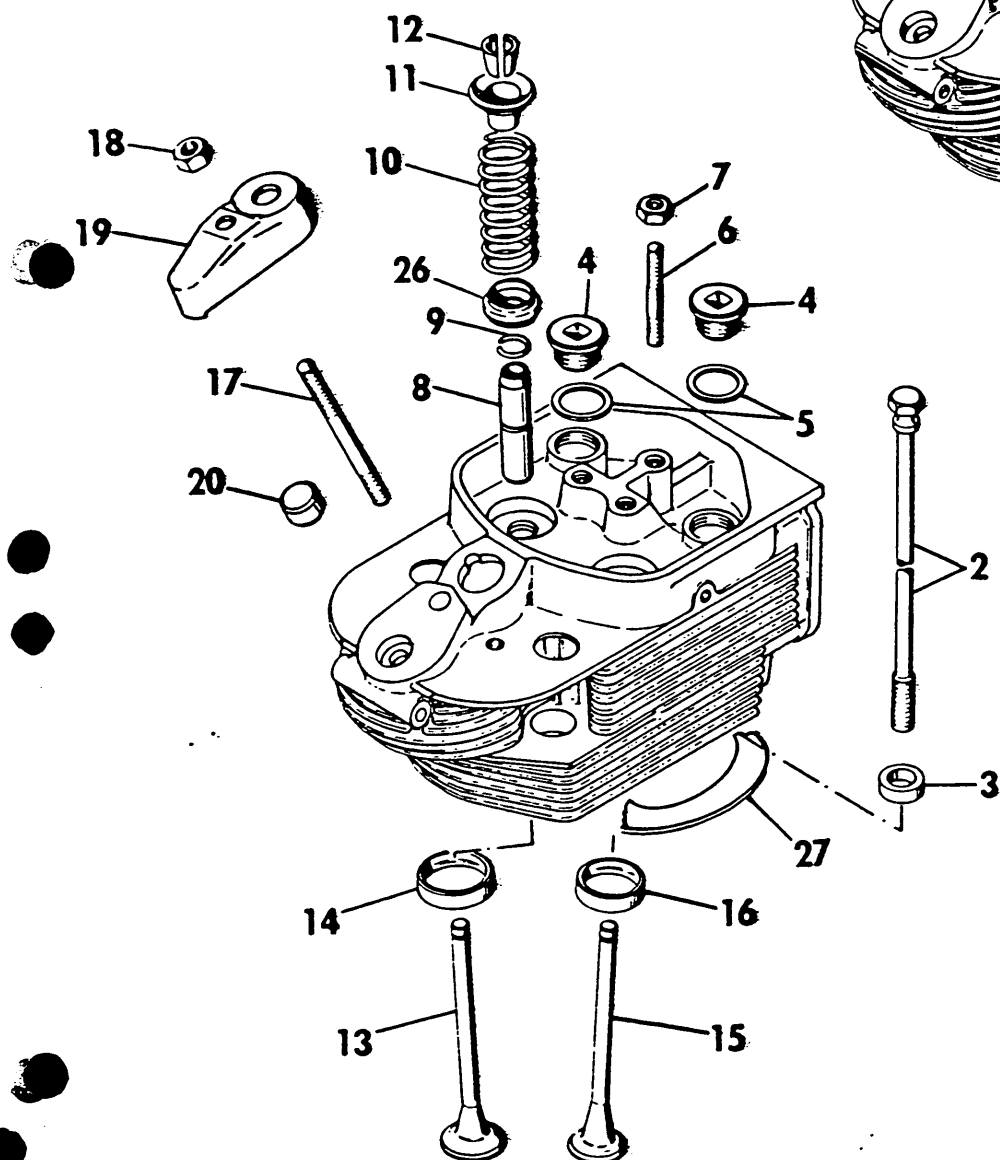
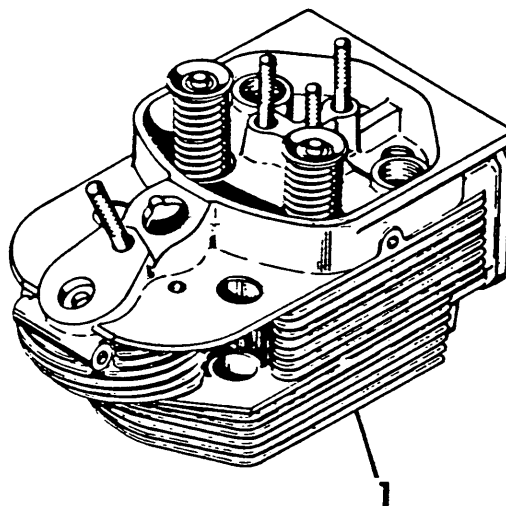
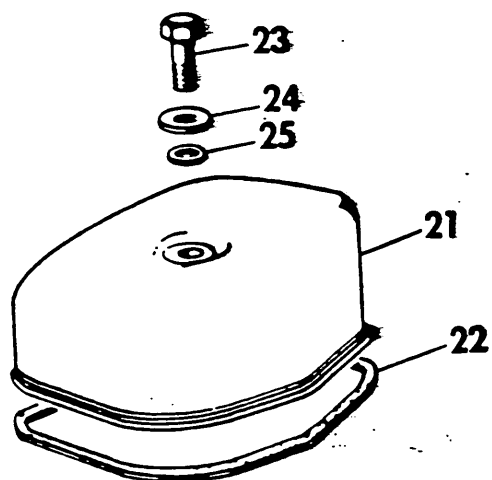
DEUTZ F2L-511D
PISTON AND CRANKSHAFT GROUP



DEUTZ F2L-511D
PISTON AND CRANKSHAFT GROUP

Ref. No.	DEUTZ Part No.	No. Used	Description
1	223 3661	2	Piston Assembly, Standard, 100mm
	223 3662	2	Piston Assembly, 100.5mm
	223 4087	2	Piston Assembly, 101mm
2	223 3660	2	Piston Pin
3	110 7821	4	Retainer
4	223 4094	2	Ring Set, Standard, 92mm
	223 4095	2	Ring Set, 92.5mm
	223 4096	2	Ring Set, 93mm
5	116 2303	2	Trapezoidal Ring, Standard, 100mm
	117 1720	2	Trapezoidal Ring, 100.5mm
	117 1759	2	Trapezoidal Ring, 101mm
6	116 1084	4	Tapered Ring, Standard, 100mm
	117 1721	4	Tapered Ring, 100.5mm
	117 1758	4	Tapered Ring, 101mm
7	116 1089	2	Oil Control Ring, Standard, 100mm
	116 2103	2	Oil Control Ring, 100.5mm
	116 2313	2	Oil Control Ring, 101mm
8	223 4013	2	Connecting Rod Assembly
9	223 3650	2	Bushing
10	335 7249	2	Pin
11	223 3656	4	Connecting Rod Bolt
12	223 4014	2	Bearing Liner Set, Standard, 52.04mm
	223 4115	2	Bearing Liner Set, 51.54mm
	223 4116	2	Bearing Liner Set, 51.04mm
	223 4117	2	Bearing Liner Set, 50.54mm
13	223 3640	1	Crank Shaft
14	223 3642	2	Counterweight
14A	223 3644	2	Counterweight
15	112 6136	8	Socket Head, Cap Screw, M 10 x 40
16	110 2800	8	Washer
17	223 3817	1	Gear
18	112 4832	4	Hex Head, Cap Screw, M 10 x 35
19	111 5450	1	Dowel Pin, M 6 x 10
20	223 3631	1	Bearing Plate
21	223 3605	1	Gasket
21A	223 3996	1	Gasket
22	111 2258	7	Hex Head, Cap Screw, M 6 x 18
23	110 2797	7	Lockwasher
24	223 4056	1	Stop Ring, Standard, 3mm
	223 4057	1	Stop Ring, 3.25mm
	223 4058	1	Stop Ring, 3.50mm
	223 4059	1	Stop Ring, 3.75mm
25	223 3710	1	Bearing, Standard, 64mm
	223 3712	1	Bearing, 63.5mm
	223 4045	1	Bearing, 63mm
	223 4055	1	Bearing, 62.5mm
26	223 4498	1	Seal
27	224 5209	1	Flywheel
28	224 5579	1	Ring Gear
29	113 7741	4	Hex Head, Cap Screw, M 12 x 1.5 x 40
30	223 1077	4	Washer
31	213 4268	1	Nozzle
32	111 9611	1	Washer
33	223 4028	1	Crankshaft Pulley
34	117 3444	1	Special Bolt, M 14 x 1.5 x 90
35	121 6107	1	Washer
36	213 3358	1	Thrust Bearing
37	223 5374	1	V-Belt Set

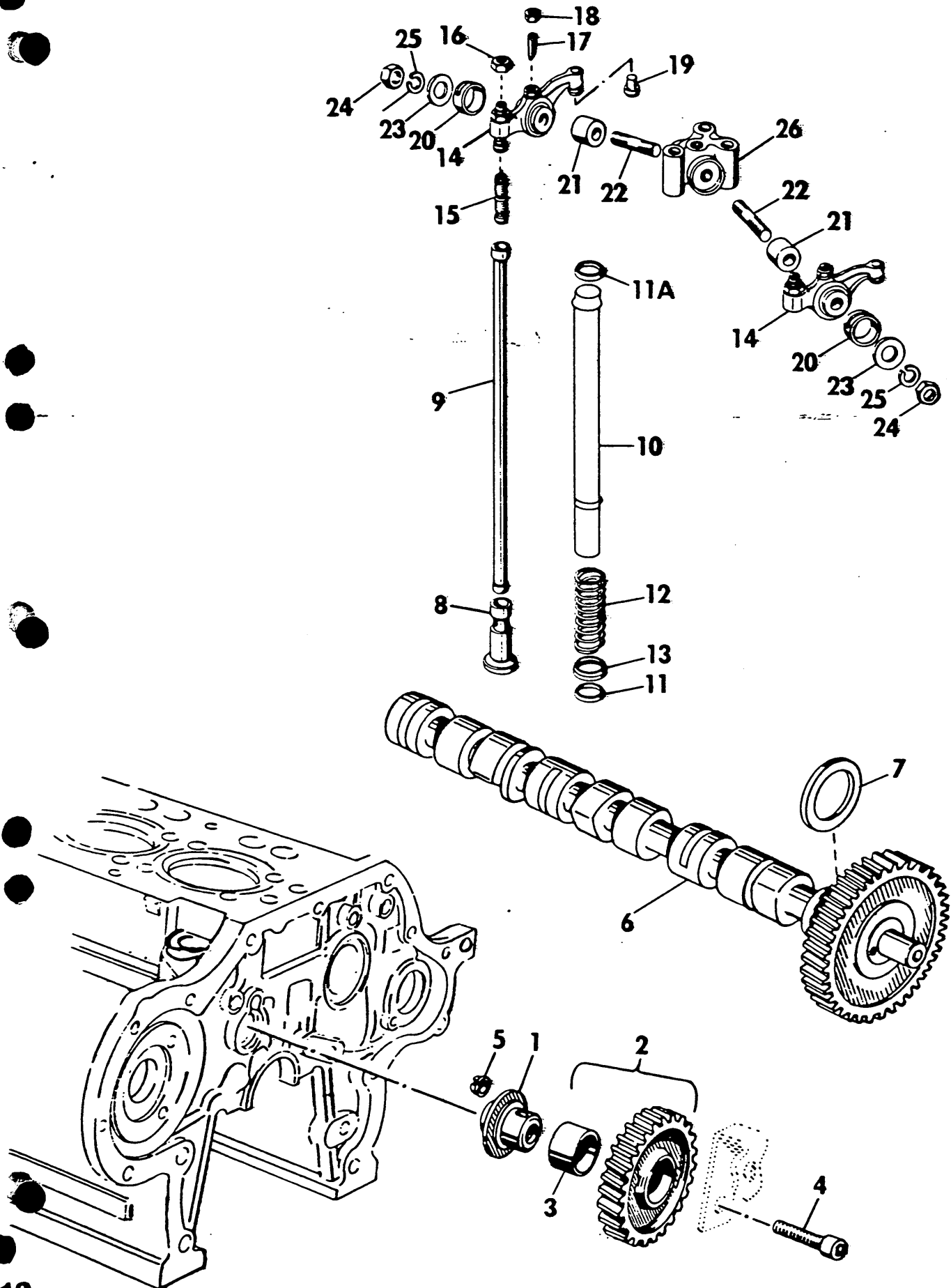
DEUTZ F2L-511D
CYLINDER HEAD



DEUTZ F2L-511D
CYLINDER HEAD

Ref. No.	DEUTZ Part No.	No. Used	Description
1	223 0878	2	Cylinder Head Assembly
2	223 3774	8	Head Bolt
3	337 1666	8	Spacer
4	213 6596	4	Screw Plug
5	111 8760	4	Washer
6	112 4753	6	Stud, Rocker Arm Support, M 8 x 55
7	111 2824	6	Hex Nut, M 8
8	223 2528	4	Valve Guide
9	121 5500	4	Snap Ring
10	336 9305	4	Valve Spring
11	337 1748	4	Spring Retainer
12	116 8817	8	Keeper
13	213 7301	2	Intake Valve
14	213 7302	2	Seat, Intake Valve, Standard, 45.66mm
	213 7303	2	Seat, Intake Valve, 45.76mm
	213 7304	2	Seat, Intake Valve, 45.86mm
	213 7305	2	Seat, Intake Valve, 45.96mm
15	213 7300	2	Exhaust Valve
16	213 7306	2	Seat, Exhaust Valve, Standard, 40.16mm
	213 7307	2	Seat, Exhaust Valve, 40.26mm
	213 7308	2	Seat, Exhaust Valve, 40.36mm
	213 7309	2	Seat, Exhaust Valve, 40.46mm
17	113 5976	2	Stud, M 10 x 65
18	110 2659	2	Hex Nut, M 10
19	213 7591	2	Retainer
20	213 7580	2	Spacer
21	223 4784	2	Cover
22	337 1692	2	Gasket
23	111 1132	2	Hex Head, Cap Screw, M 8 x 30
24	110 7101	2	Washer, M 8
25	121 6307	2	Washer
26	213 1029	2	Rotator
27	223 0216	2	Seal Ring

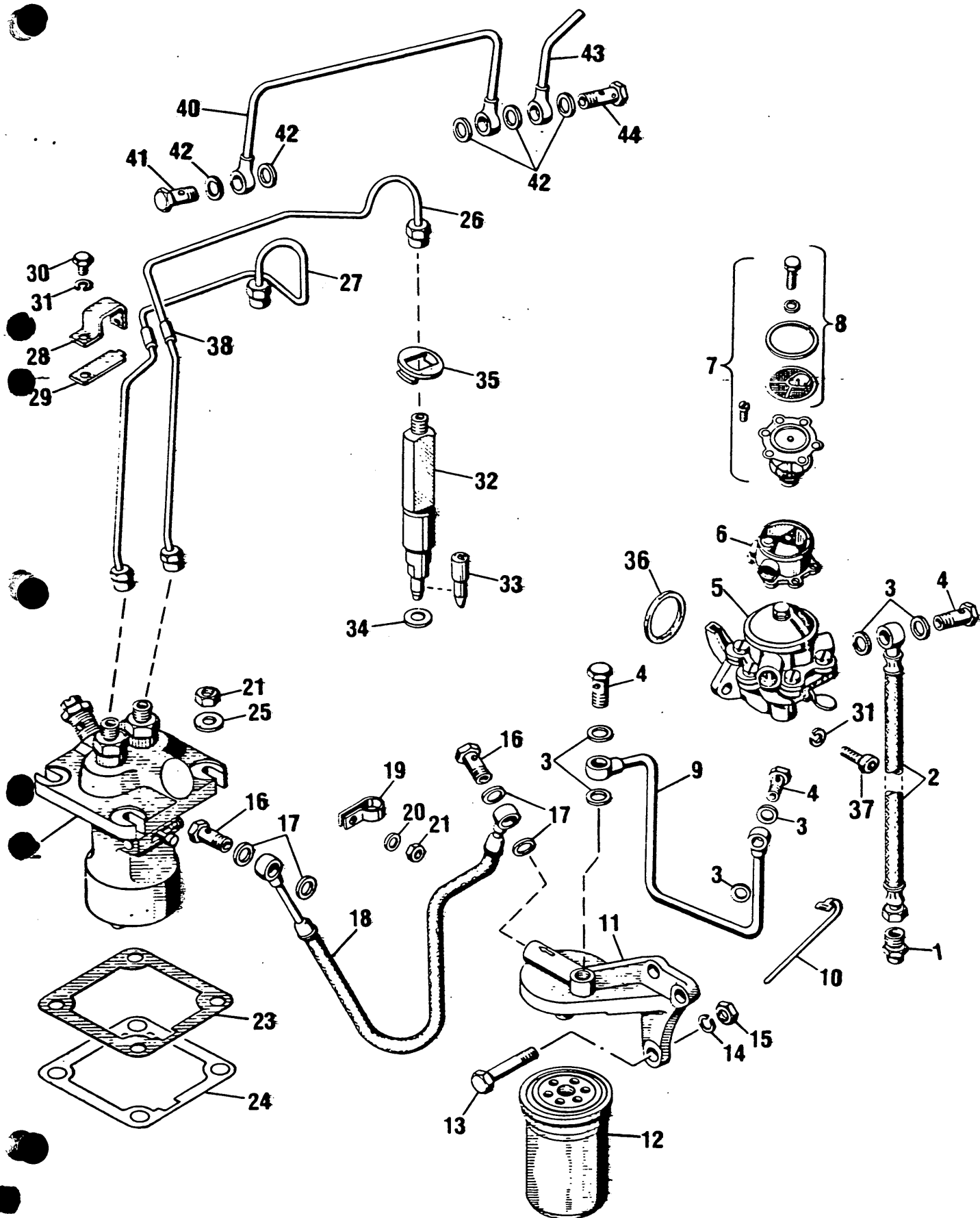
DEUTZ F2L-511D CAMSHAFT AND ROCKER ARM



**DEUTZ F2L-511D
CAMSHAFT AND ROCKER ARM**

Ref. No.	DEUTZ Part No.	No. Used	Description
1	210 1006	1	Support, Idler Gear
2	336 2541	1	Idler Gear and Bushing Assembly
3	336 2538	1	Bushing
4	111 0688	1	Socket Head, Cap Screw, M10 x 60
5	210 1007	1	Bushing
6	223 3672	1	Camshaft with Gear
7	336 7789	1	Spacer
8	223 3682	4	Tappet
9	223 3683	4	Push Rod
10	223 3705	4	Cover Tube
11	223 3681	4	"O" Ring Seal
11A	223 3685	4	Seal
12	337 1876	4	Spring
13	223 3686	4	Spacer
14	223 0849	4	Rocker Arm
15	336 5861	4	Adjusting Screw
16	111 3146	4	Hex Jam Nut, M10 x 1
17	223 0850	4	Oil Nozzle
18	111 2813	4	Hex Nut, M 6
19	213 9600	4	Thrust Pad
20	223 0851	4	Bushing
21	337 1866	4	Bushing
22	111 3476	4	Stud, M 10 x 35
23	121 6080	4	Washer
24	110 2659	4	Hex Nut, M 10
25	110 2800	4	Lockwasher, M10
26	337 1867	4	Rocker Arm Support

DEUTZ F2L-511D FUEL SYSTEM

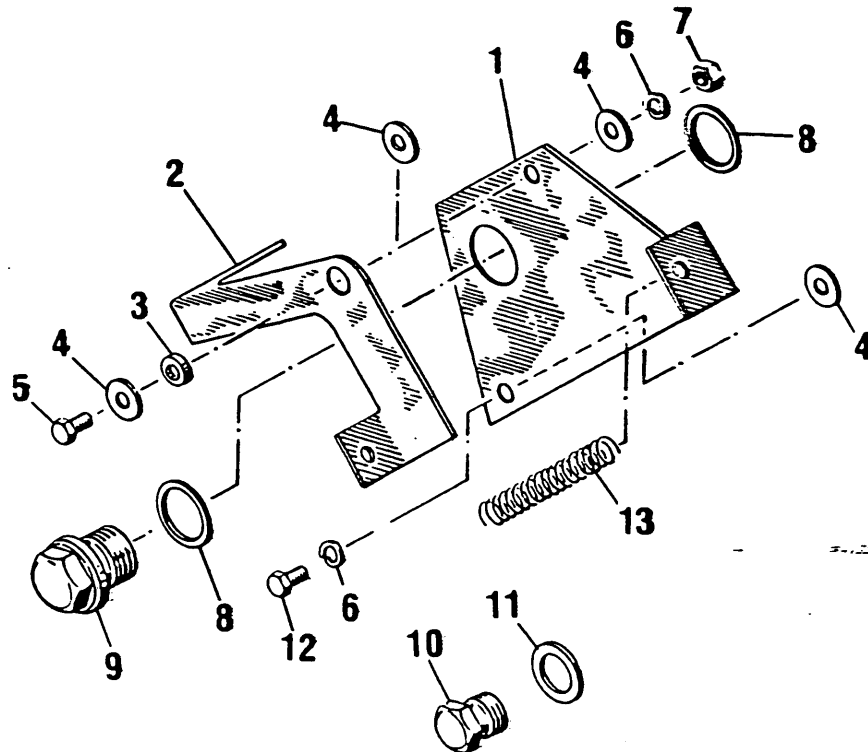


DEUTZ F2L-511D
FUEL SYSTEM

Ref. No.	DEUTZ Part No.	No. Used	Description
1	111 9182	1	Fitting
2	126 6142	1	Hose Assembly
3	111 8688	6	Washer, M 14 x 18
4	111 9243	3	Fluid Type Bolt
5	117 2781	1	Fuel Pump
6	210 2660	1	Housing
7	126 0051	1	Repair Kit
8	126 0049	1	Repair Kit
9	224 4828	1	Fuel Line, Pump to Filter
10	116 9361	1	Strap
11	335 7531	1	Filter Base
12	116 1341	1	Filter Cartridge
13	110 1308	2	Hex Head, Cap Screw, M 10 x 50
14	110 2800	2	Lockwasher, M 10
15	110 2659	2	Hex Nut, M 10
16	111 9238	2	Fluid Type Bolt
17	111 8673	4	Washer, M 12 x 15.5
18	346 9058	1	Hose Assembly
19	121 8534	1	Clamp
20	110 7095	1	Washer
21	111 2824	5	Hex Nut, M 8
22	223 3729	1	Injection Pump
23	223 4007	AR	Shim
24	223 4006	1	Gasket
25	223 4263	4	Washer
26	223 3746	1	Injection Line, #1 Cylinder
27	223 3741	1	Injection Line, #2 Cylinder
28	116 1469	1	Clip
29	117 0642	1	Plate
30	111 2813	1	Hex Head, Cap Screw, M 6 x 12
31	110 2797	2	Lockwasher, M 6
32	223 3085	2	Injection Assembly
33	223 3086	2	Nozzle
34	337 2164	2	Washer
35	223 7568	2	Cap
36	116 0382	1	Seal
37	110 4181	2	Cap Screw, 6 x 16
38	337 2269	2	Rubber Sleeve
40	223 3733	1	Leak-Off Line
41	111 9231	1	Fluid Type Bolt
42	111 8647	5	Washer, M 8 x 11
43	335 7614	1	Leak-Off Line
44	121 6492	1	Fluid Type Bolt

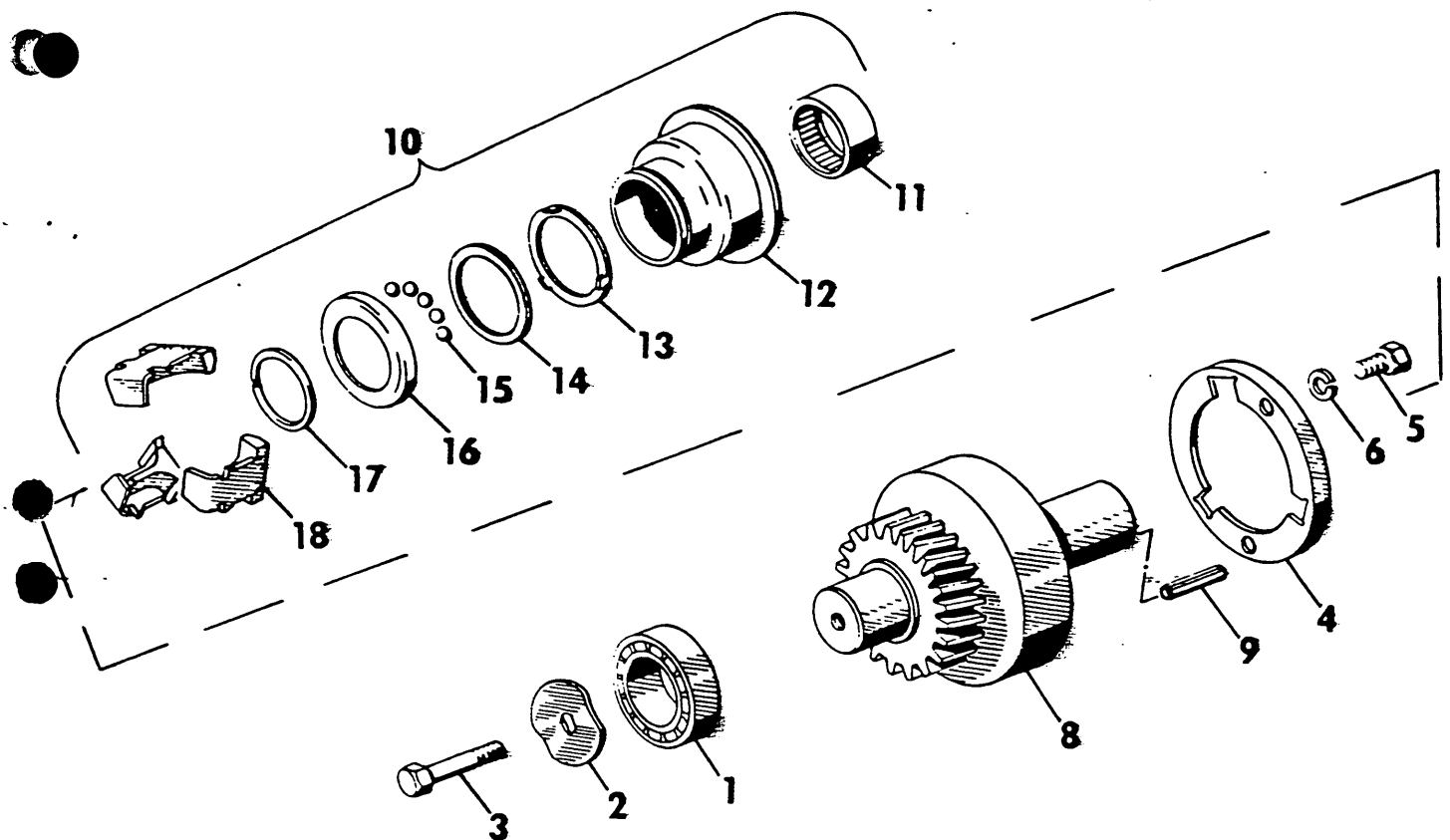
AR - As Required

DEUTZ F2L-511D
GOVERNOR CONTROL



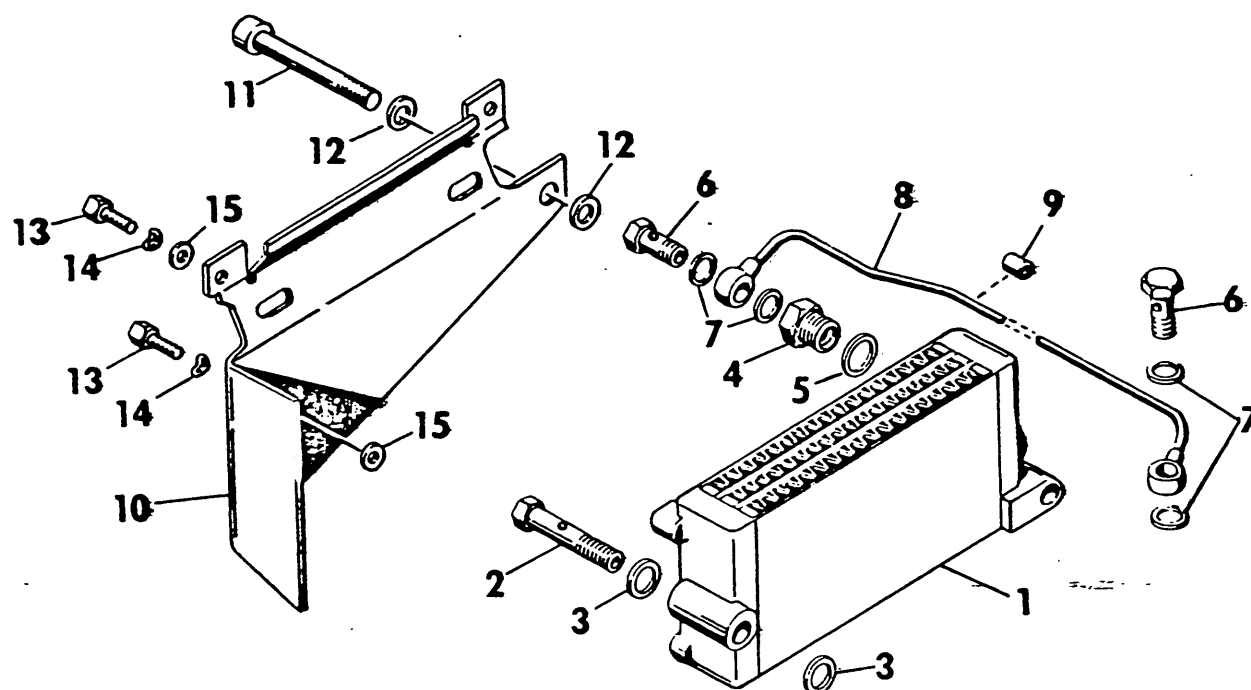
Ref. No.	DEUTZ Part No.	No. Used	Description
1	223 2952	1	Support Bracket
2	223 2951	1	Lever
3	223 2950	1	Spacer
4	111 9817	4	Washer
5	110 3316	1	Cap Screw, Hex Head, M 6 x 16
6	110 2797	2	Lockwasher, M 6
7	111 2813	1	Hex Nut, M 6
8	111 8736	2	Washer, M 22 x 27
9	111 0440	1	Plug, M 22 x 1.5
10	111 8964	1	Plug, M 16 x 1.5
11	111 8706	1	Washer, M 16 x 22
12	111 2240	1	Cap Screw, Hex Head, M 6 x 12
13	223 2956	1	Spring

DEUTZ F2L-511D
GOVERNOR SHAFT GROUP



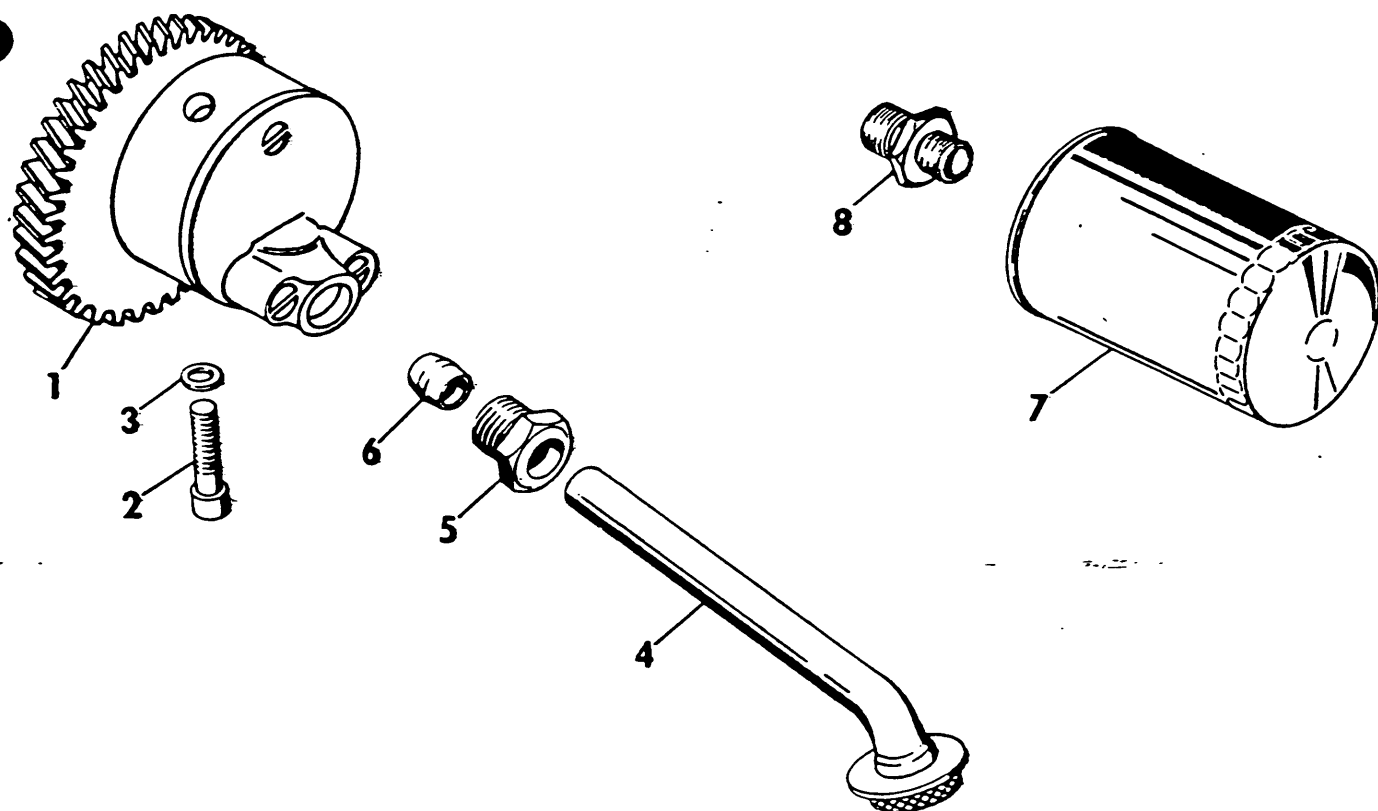
Ref. No.	DEUTZ Part No.	No. Used	Description
1	110 0960	1	Ball Bearing
2	213 6035	1	Spring Washer
3	110 2664	1	Hex Head, Cap Screw, M 6 x 45
4	223 3926	1	Guide Plate
5	111 2232	2	Hex Head, Cap Screw, M 6 x 10
6	111 9609	2	Lockwasher, M 6
8	223 3922	1	Shaft and Gear
9	111 5406	1	Pin
10	223 3907	1	Governor
11	117 0831	1	Needle Bearing
12	223 3913	1	Cup
13	213 9557	2	Shim
14	223 0063	1	Inside Ring
15	111 6956	20	Ball
16	223 0064	1	Outer Race
17	116 4216	1	Retaining Ring
18	223 3736	3	Flyweight

DEUTZ F2L-511D
OIL COOLER



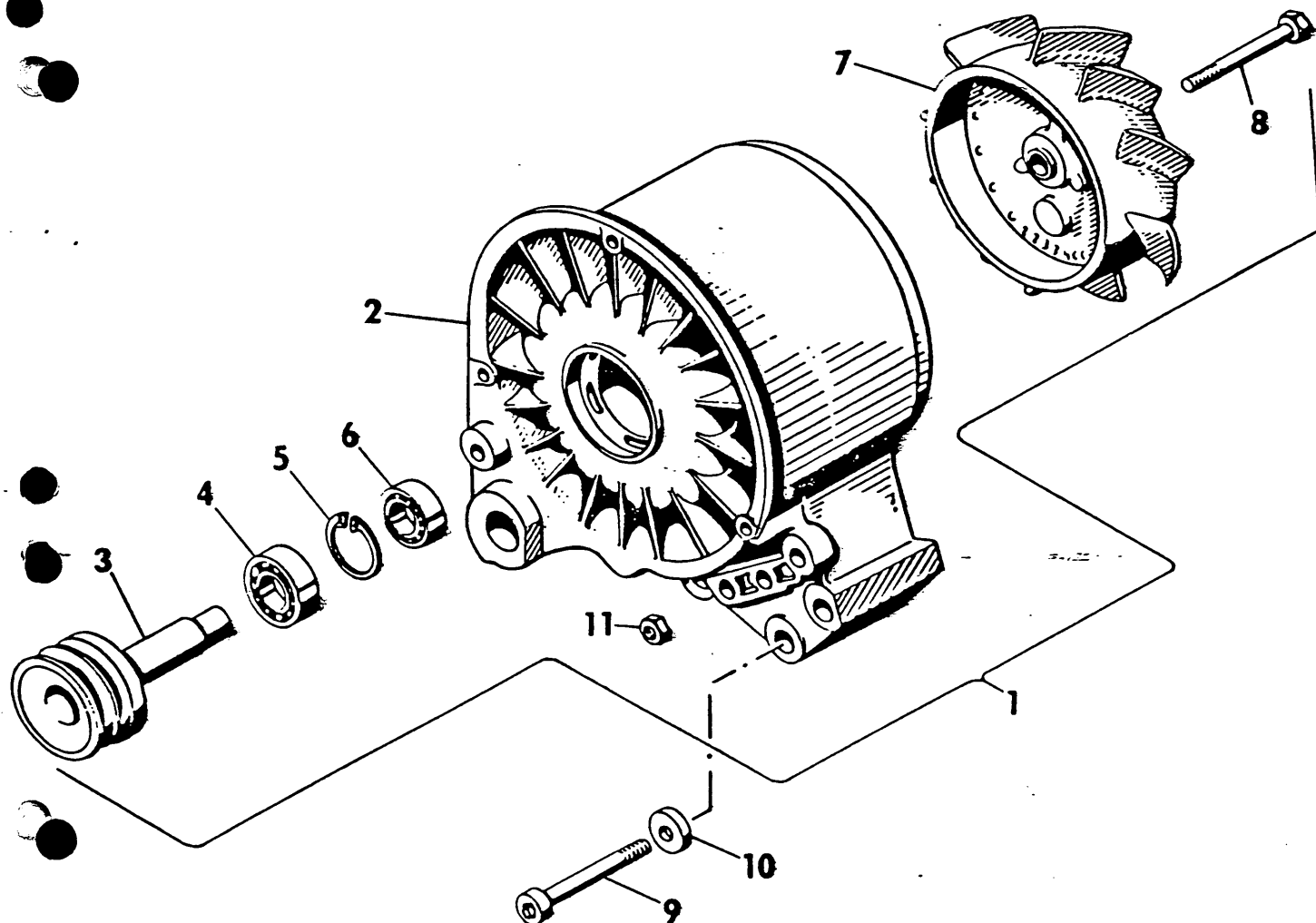
f. No.	DEUTZ Part No.	No. Used	Description
1	223 4259	1	Oil Cooler
2	223 3876	1	Fluid Type Bolt
3	111 8681	2	Washer
4	121 6169	1	Reducer Bearing
5	111 8693	1	Washer
6	111 9237	2	Fluid Type Bolt
7	111 8659	4	Washer
8	223 4022	1	Oil Line
9	121 6311	2	Rubber Sleeve
10	223 5346	1	Shield
11	112 6935	1	Socket Head, Cap Screw, M 12 x 75
12	110 7110	2	Washer
13	110 3316	3	Hex Head, Cap Screw, M 6 x 16
14	112 6726	3	Lockwasher
15	121 6078	3	Washer

DEUTZ F2L-511D
OIL PUMP AND OIL FILTER



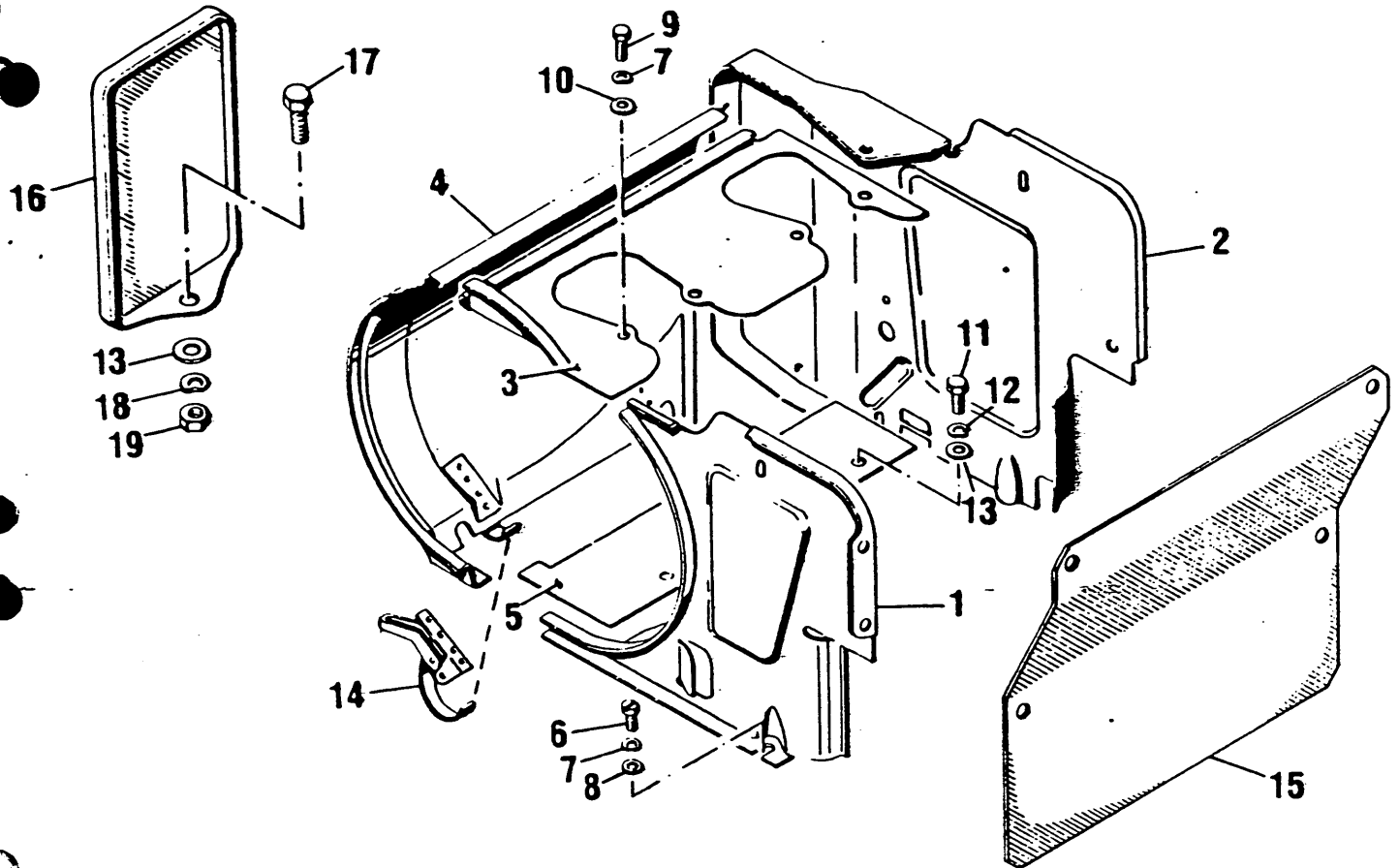
Ref. No.	DEUTZ Part No.	No. Used	Description
1	223 3688	1	Oil Pump
2	111 0541	1	Socket Head, Cap Screw, M 6 x 60
3	111 8641	1	Washer
4	223 3719	1	Suction Tube
5	121 0032	1	Fitting
6	121 0033	1	Ferrule
7	117 2346	1	Cartridge
8	223 4045	1	Nipple

DEUTZ F2L-511D
BLOWER GROUP



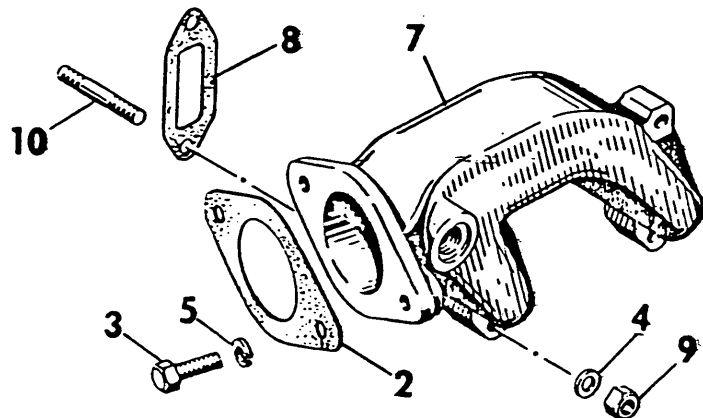
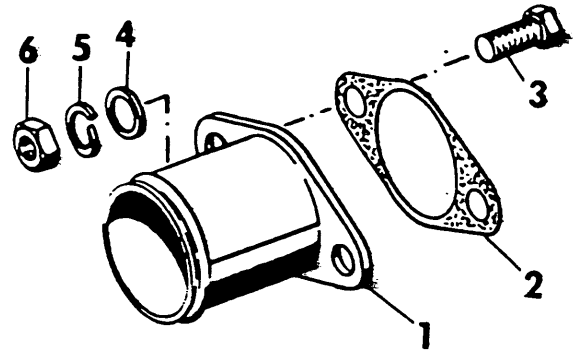
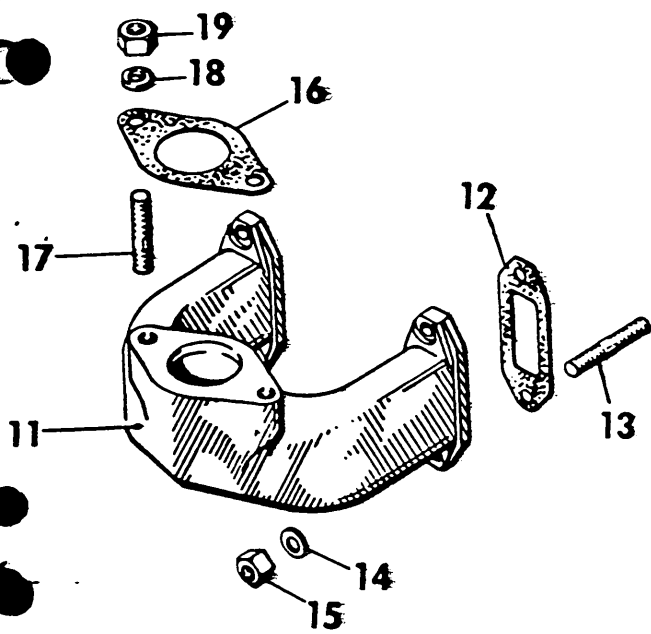
Ref. No.	DEUTZ Part No.	No. Used	Description
1	223 3895	1	Blower Assembly
2	223 3898	1	Housing
3	223 4205	1	Pulley and Shaft
4	110 2627	1	Ball Bearing
5	110 7821	1	Snap Ring
6	110 9031	1	Ball Bearing
7	223 3904	1	Fan
8	111 1190	1	Hex Head, Cap Screw, M 8 x 80
9	111 0706	3	Hex Head, Cap Screw, M 10 x 80
10	121 6110	3	Washer
11	111 2824	1	Hex Nut, M 8

DEUTZ F2L-511D SHROUDING



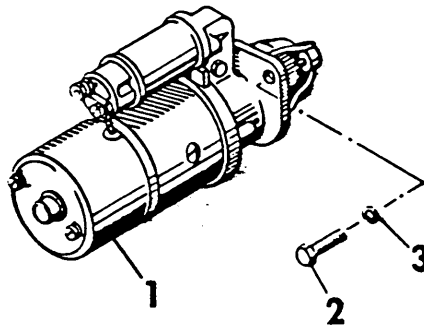
Ref. No.	DEUTZ Part No.	No. Used	Description
1	223 4306	1	Cover
2	223 3783	1	Cover
3	223 3787	1	Top Cover
4	223 6664	1	Cowling
5	223 4308	1	Bottom Cover
6	110 5533	2	Cap Screw, Socket Head, M 6 x 10
7	110 7279	8	Lockwasher, M 6
8	110 7095	2	Washer
9	110 3316	6	Cap Screw, Hex Head, M 6 x 16
10	121 5850	6	Washer
11	111 2307	2	Cap Screw, Hex Head, M 8 x 16
12	110 7281	2	Lockwasher, M 8
13	110 7101	2	Washer
14	121 2482	2	Clamp
15	223 3807	1	Baffle
16	223 3792	1	Shield
17	111 2311	1	Cap Screw, Hex Head, M 8 x 18
18	110 7283	1	Lockwasher, M 8
19	111 2824	1	Hex Nut, M 8

DEUTZ F2L-511D MANIFOLDS



Ref. No.	DEUTZ Part No.	No. Used	Description
1	216 4169	1	Connector
2	121 0035	2	Gasket
3	111 2322	4	Hex Head, Cap Screw, M 8 x 20
4	110 7101	6	Washer, 8mm
5	110 2799	4	Lockwasher, 8mm
6	111 2824	2	Hex Nut, M 8
7	223 3763	1	Intake, Manifold
8	223 0704	2	Gasket
9	241 1054	4	Hex Nut, M 8
10	113 6481	4	Stud, M 8 x 40
11	337 2456	1	Exhaust Manifold
12	337 1689	2	Gasket
13	111 0180	4	Stud, M 8 x 25
14	110 7102	4	Washer
15	331 6466	4	Hex Nut, M 8
16	112 0833	1	Gasket
17	111 3464	2	Stud, M 10 x 25
18	110 7105	2	Washer
19	110 2659	2	Hex Nut, M 10

DEUTZ F2L-511D
STARTER



Ref. No.	DEUTZ Part No.	No. Used	Description
1	117 1481	1	Starter Assembly
2	112 4836	2	Cap Screw, Hex Head, M 12 x 28
3	110 2801	2	Lockwasher, M 12

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Rogers Diesel Engineering Co.
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Bainbridge, GA 31717
(912) 248-7050

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Anchorage, Alaska 99502
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(501) 673-3575

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San Diego, California 92110
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Fresno, California 93791
(209) 237-0869

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Woodland, California 95695
(916) 662-4633

L. O. McClure & Sons
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(805) 325-5888

Johns Tire, Inc.
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P. O. Box 221
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Farmington, New Mexico 87401
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Gambetta, MD 21054
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Fort Lauderdale, Florida 33315
(305) 525-6396

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Jacksonville, Florida 32205
Telex: 5-6588
(904) 781-7531

Jos. L. Rozier Machinery Co.
1809 N. Highway 301
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Tampa, Florida 33601
(813) 621-5851

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Air Industrial Park
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Atlanta, Georgia 30324
(404) 876-3622

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Wahiawa, Hawaii 96797
Telex: 72-3397
(808) 677-9111

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Ore-Ida Diesel Company
219 North Ninth Street
Nysa, Oregon 97913
(503) 372-5268

Eastern Idaho Diesel, Inc.
P. O. Box 1723, 405-408 College
Idaho Falls, Idaho 83401
(208) 523-5768

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615 West Lake Street
Elmhurst, Illinois 60126
(312) 530-2200

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State Equipment Co., Inc.
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P. O. Box 33103
Indianapolis, Indiana 46203
(317) 358-7265

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Blue Grass, Iowa 52726
(319) 381-2874

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South Highway 283
Dodge City, Kansas 67801
(316) 225-1796

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1801 Watterson Trail
P. O. Box 1705
Louisville, Kentucky 40201
(502) 491-4000

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Diesel Engine Center
Highway 90 East, P. O. Box 30345
Lafayette, Louisiana 70503
(318) 837-3001

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Eastern Tractor & Equipment Co.
48 Cove Street, P. O. Box 1160
Portland, Maine 04104
(207) 772-5444

Eastern Tractor & Equipment Co.
Presque Isle Road
Caribou, Maine 04738
(207) 496-3781

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Gambetta, Maryland 21054
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Witt Equipment Co.
80 South Street
Hopkinton, Massachusetts 01748
(617) 435-6321

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David A. MacPherson, Inc.
P. O. Box 32, County Road 653
Iron River, Michigan 49935
(306) 265-5197

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2351 Mason Road
Farmdale, Michigan 48220
(313) 399-0002

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1650 Carroll Avenue
St. Paul, Minnesota 55104
(612) 645-3971

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Shutspan, AR 72160
(501) 673-3575

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Mine La Motte, Missouri 63659
(314) 783-6438

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Johnson Power Products
Northwest Business
P. O. Box 3049
Great Falls, MT 59403
(406) 453-1453

NEBRASKA

Diesel Power, Inc.
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Omaha, NE 68117
(402) 731-8300
Mailing address: P. O. Box 34190
Omaha, NE 68134

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305 Edison Ave.
Reno, Nevada 89501
(722) 796-0300

U. S. Machinery Co.
3448 W. Macenda Blvd.
Las Vegas, Nevada 89118
(722) 739-7484

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Northwest Diesel
P. O. Box 4757
Manchester, New Hampshire 03108
(603) 823-3030

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Camden, New Jersey 08105
(609) 365-8631

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5623 East Pecos Drive
El Paso, Texas 79925
Telex: 74-9439
(915) 772-1451

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Farmington, New Mexico 87401
(505) 327-0421

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College Point, New York 11356
(212) 253-9300

Jersey Engine Rebuilders, Inc.
Box 81, R.D. #2
Nichols, New York 13812
(717) 395-3181

NORTH CAROLINA

Diesel Imports, Inc.
530 Chapel Hill Road
P. O. Box 2115
Burlington, North Carolina 27215
(919) 226-8484

NORTH DAKOTA

Nicholson Company
1650 Carroll Avenue
St. Paul, Minnesota 55104
(612) 645-3971

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Harley Industries, Inc.
P. O. Box 45450
Tulsa, Oklahoma 74145
(918) 627-9220

Harley Industries, Inc.
P. O. Box 94906
Oklahoma City, Oklahoma 73129
(405) 670-1341

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Willoughby, OH 44094
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2355 NW Chumby Avenue
Portland, Oregon 97210
(503) 228-7968

Ore-Ida Diesel Company
219 North Ninth Street
Nysa, Oregon 97913
(503) 372-5268

PENNSYLVANIA

Penn Power Products
5111 Old William Penn Highway
Murrysville, PA 15668
(412) 327-3003

Jersey Engine Rebuilders
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Nichols, New York 13812
(717) 395-3181

Engine Distributors, Inc.
Wilson Blvd. at 17th Street
Camden, New Jersey 08105
(609) 365-8631

Stauffer Diesel, Inc.
312 W. Main Street
New Holland, PA 17557
(717) 354-4181
Telex: 84-8452

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G.P.O. Box 1918
San Juan, Puerto Rico 00938
(809) 789-9831

RHODE ISLAND

Witt Equipment Company
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(617) 435-6321

SOUTH CAROLINA

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530 Chapel Hill Road
P. O. Box 2115
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(919) 226-8484

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St. Paul, Minnesota 55104
(612) 645-3971

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1921 East Magnolia Avenue
Knoxville, TN 37917
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(615) 637-4658

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Corpus Christi, TX 78408
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Harley Industries, Inc.
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Dallas, TX 75247
(214) 638-4504

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Houston, TX 77084
(713) 492-6445

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P. O. Box 1549
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Seattle, Washington 98119
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Spokane, Washington 99220
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Pewaukee, Wisconsin 53072
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Casper, Wyoming 82401
(307) 234-1548

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(404) 458-6140
Telex: 70-7478

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Paramount, CA 90723
(213) 774-4850
Telex: 67-7697

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90 Monrovia De Lussac
Montreal, Quebec H4T 1R6
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Telex: 05-828776
(after 9/22/80 Telex: 05-824889)

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Mississauga, Ontario L4T 1G3
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Middle River Drive
R. R. 2, Box 740
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Telex: 04-507843
(403) 434-6437

Simson-Maxwell
6447 - 2nd Street, S.E.
Calgary, Alberta T2H 1T8
(403) 252-8131

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Vancouver, British Columbia
V6H 1A2
(604) 736-5437

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Prince George, British Columbia
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Corpus, TX 77301
(713) 756-3018

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Klaus Sanders, Branch Manager
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Ernst Boescher, Regional Service Manager
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Inver Grove Heights, MN 55075
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Gary Picoe, Regional Service Rep.
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(816) 756-3647

(7) NE, IA, KS, MO, MN, ND, SD

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R. Schorn
Regional Sales Manager
Deutz Diesel (Canada) Ltd.
20 Woodcrest Close
Calgary, Alberta T2W 3P8
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