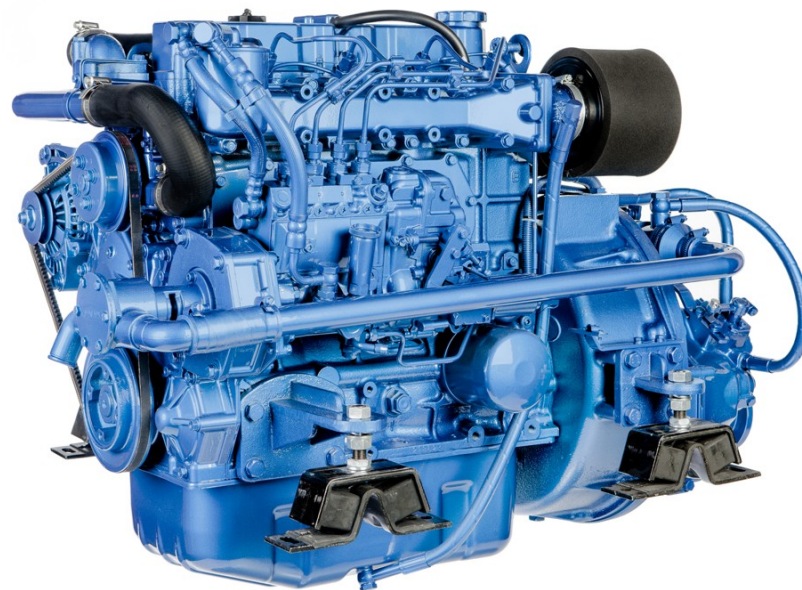
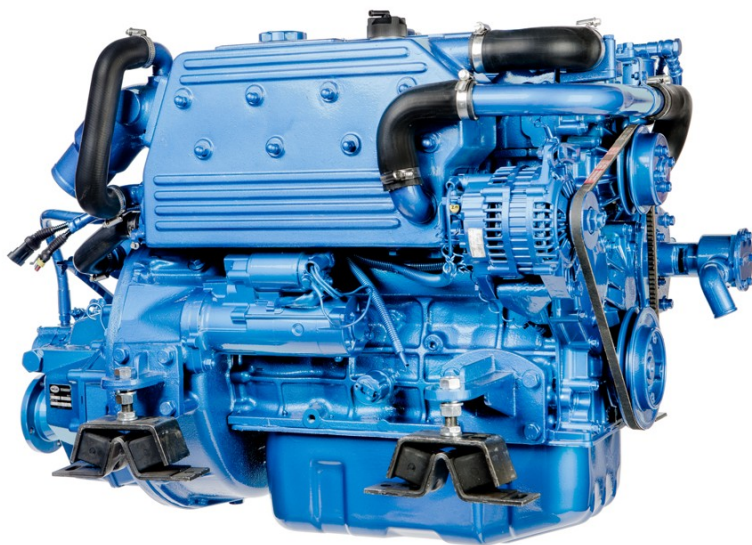




Engine MINI-74

VERSION 2024-4

PART LIST



PARTS LIST CATALOGUE

NORMS TO PLACE AN ORDER

For fast and more efficient service, please specify the following information on spare parts orders that must be preferably done by e-mail as specified below:

- 1- Engine model: As shown in identification plate
- 2- Engine serial number: As shown in identification plate and stamped on crankcase
- 3- Item description + part number + quantity required

Spare parts requests must be addressed to :

orders@solediesel.com

Telf.: +34 93 775 44 05

The components shown in the catalog have:

- Figure: Number by which they are represented in scheme
- Description: Trade name of the component
- Quantity: Total number of parts used in the assembly of the part represented (may differ from the total minimum quantities)

Hoses, indicates the total length in meters

The diagrams shown in this catalog of spare parts, have only the purpose to identify the piece in question, its representation is not meaningful and may differ from the actual piece.

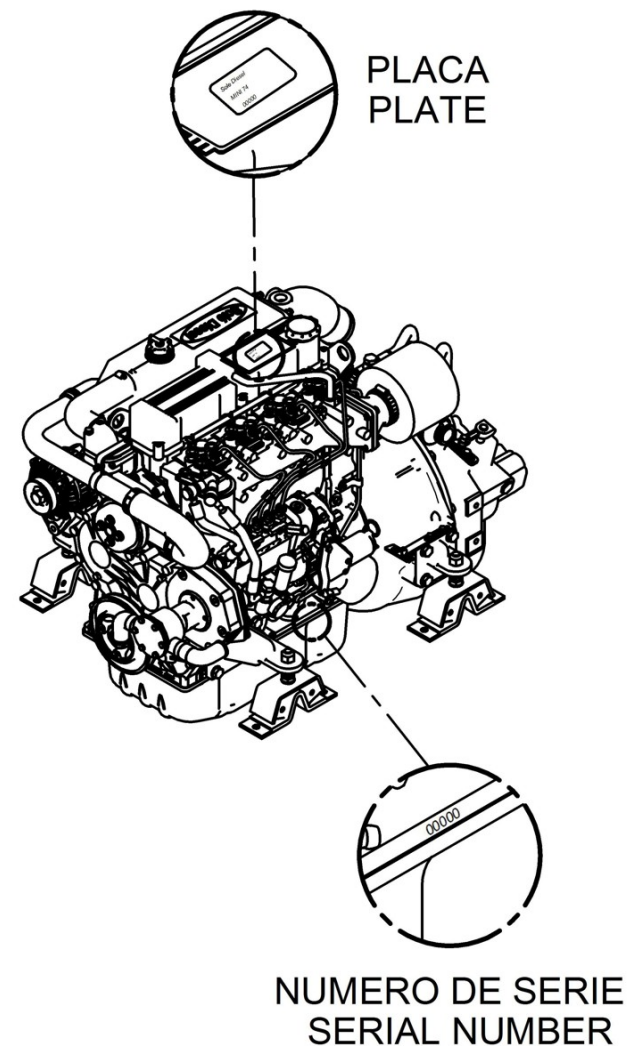
In case of doubt, contact Solé Diesel, or your authorized dealer.

The parts i / or references in this catalog are subject to change without notice.

SOLÉ, S.A.

C-243b, km, 2

08760 Martorell (Barcelona) Spain



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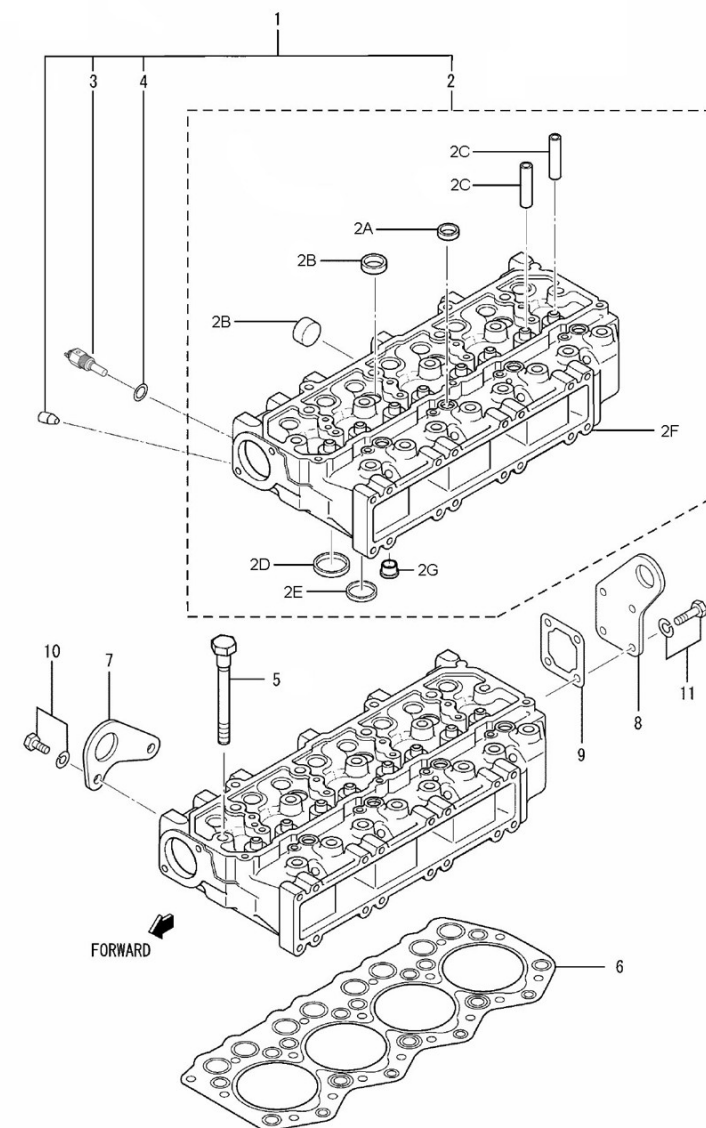
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Astern Shaft Group
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Case Group
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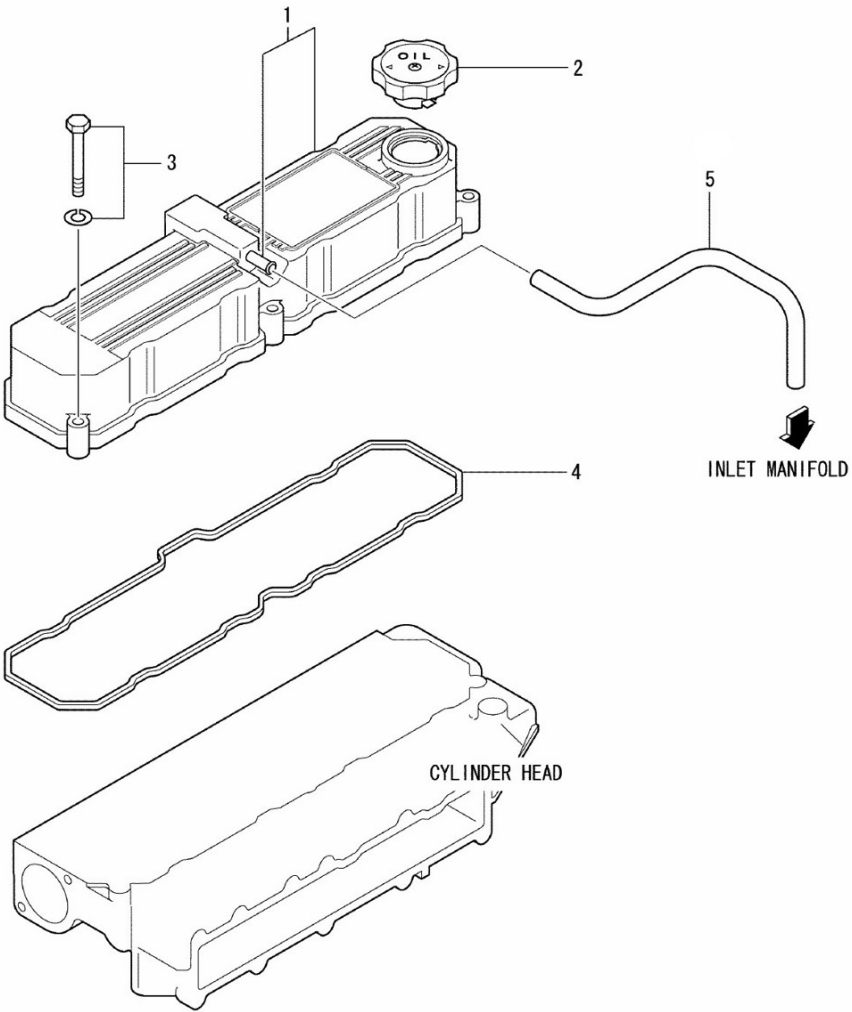
Kit GearBox TMC-260 MINI-74
Kit GearBox ZF 68 IV
Kit DONG-I DMT-25AL Gearbox
Kit DONG-I DMT-50A Gearbox

D_MI74_1_1		Cylinder Head			
Fig.	Ref.	Qty.	Descr.	Obs	From UpTo
1	17421001	1	Head Assy,Cylinder		
2	(*)	2	Not available		
2A	17220006	8	Cap, Sealing		
2B	13220012	7	Cap Sealing		
2C	17421002	8	Guide,Valve		
2D	17421061	4	Seat,Valve,IN		
2E	17421062	4	Seat,Valve,Exhaust		
2F	(*1)	1	Not available		
2G	17421015	4	JET,COMBUSTION		
3	17121016	1	Plug, drain		17/10/2017
3	17427080	1	Switch,Thermo	17/10/2017	
4	17121013	1	Gasket		
5	17421005	17	Bolt,cylinder head		
6	17421004	1	Gasket,Cylinder Head		
7	17420014	1	Eye,Lifting,Front		
8	17421018	1	Eye,Lifting;Head Rea		
9	17421011	1	Gasket		
10	13820043	2	Bolt,W/Washer		
11	17121012	4	Bolt, w/washer		

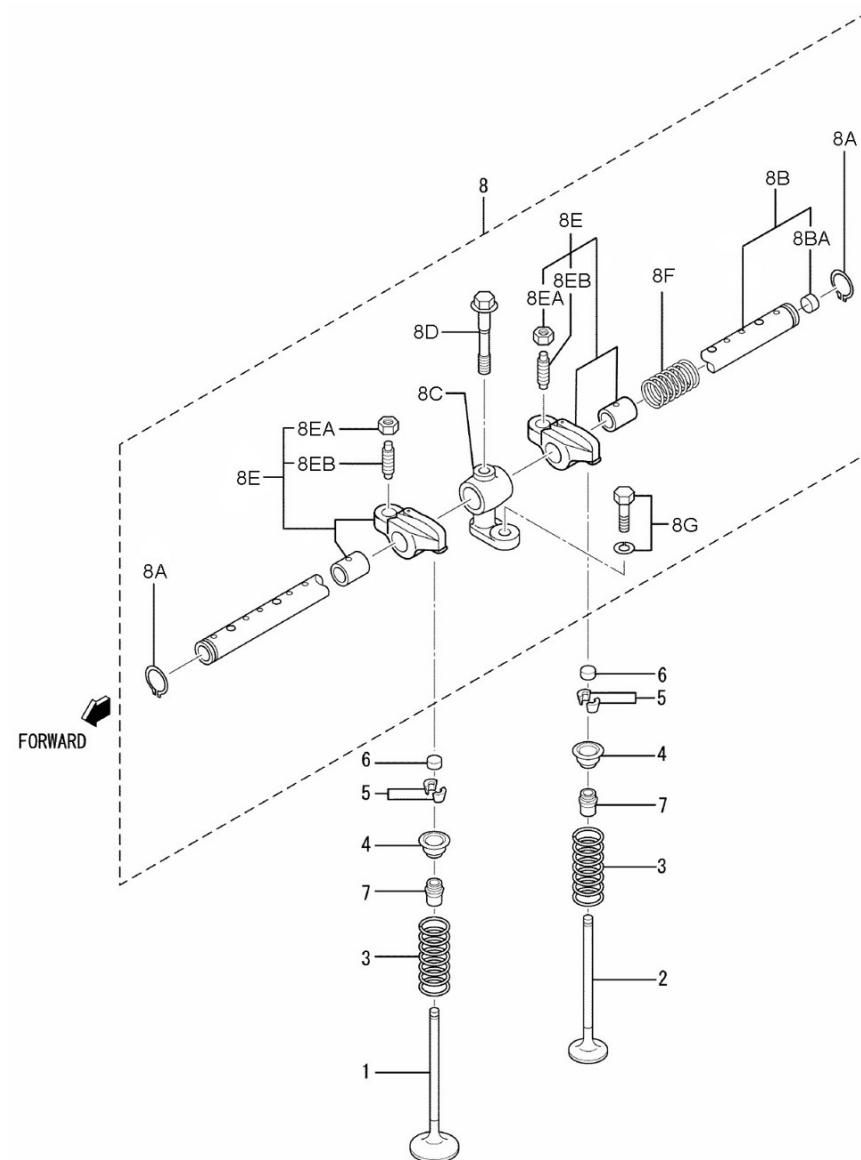


D_MI74_1_2		Rocker Cover & Breather				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo

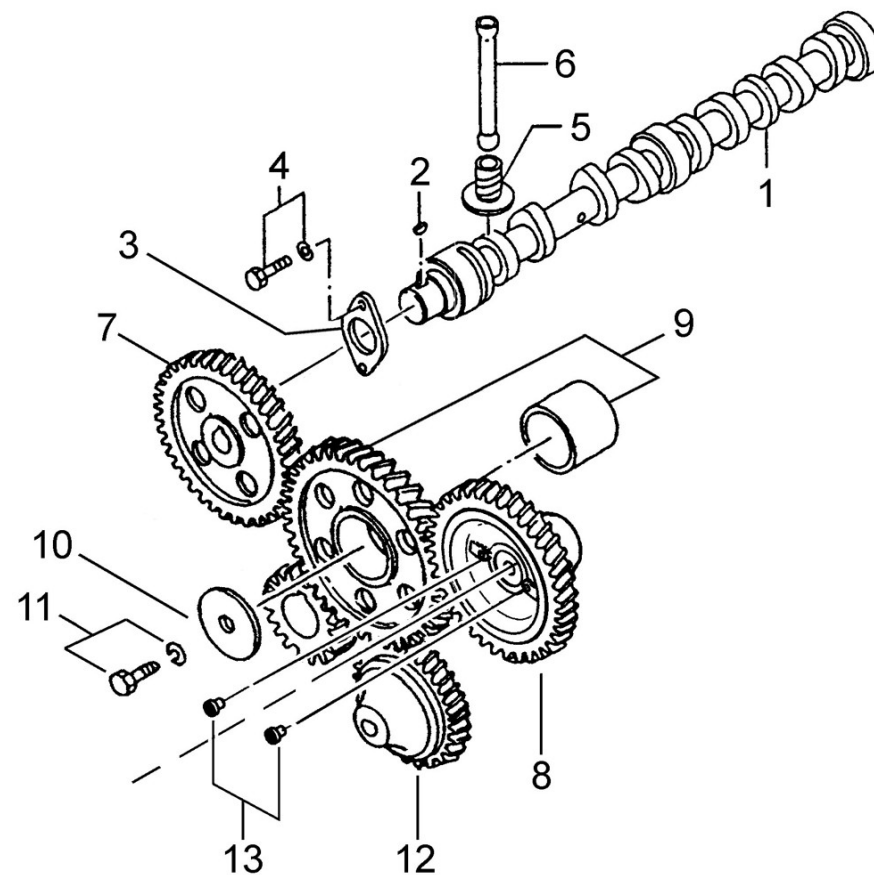
1	17421009.2	1	Cover Assy,Rocker			
2	13221003	1	Cap Oil FILLER			
3	52101261	5	Bolt DIN 931 M8-40 8.8			
4	17421010	1	Rocker Cover Gasket			
5	17421006G.1	1	Hose,BREATHER (Generator)			



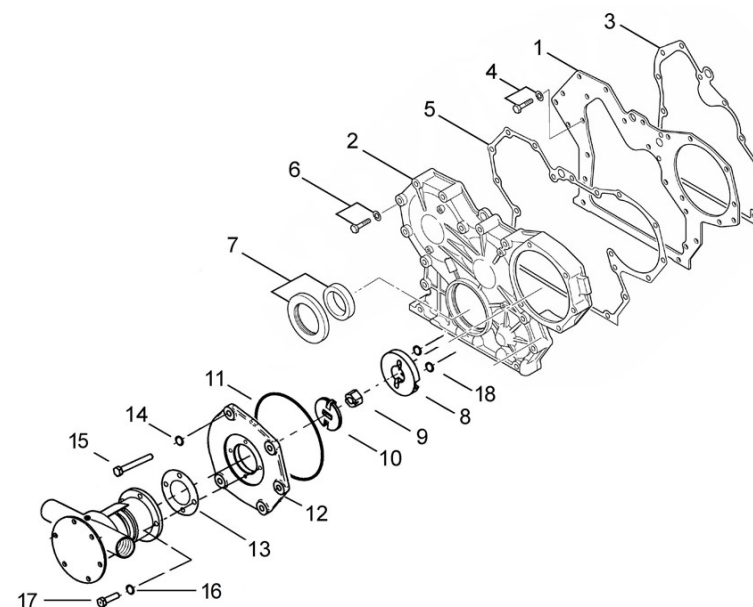
D_MI74_1_3			Valve Drive		
Fig.	Ref.	Qty.	Descr.	Obs	From UpTo
1	17422055.1	4	Valve,Inlet		
2	17422056	4	Exhaust Valve		
3	13322028	8	Spring, valve outler		
4	17422058	8	Retainer,Upper		
5	17122059.1	16	Cotter,Valve		
6	13322024	8	Cap		
7	17422054	8	Seal,Valve Stem		
8	(*)	1	Not available		
8A	17222050	2	Ring, SNAP		
8B	17422046	1	Shaft Assy,Rocker		
8BA	13322023	2	Cap, Sealing		
8C	17422048	4	Bracket,Rocker Shaft		
8D	17422053	4	Bolt,Rocker Bracket		
8E	17422142.1	8	Rocker Assy		
8EA	17122060	8	Nut		
8EB	17122044	8	Screw Adjusting		
8F	17422047G.1	3	Spring,Rocker		
8G	17122051	4	Bolt, w/washer		



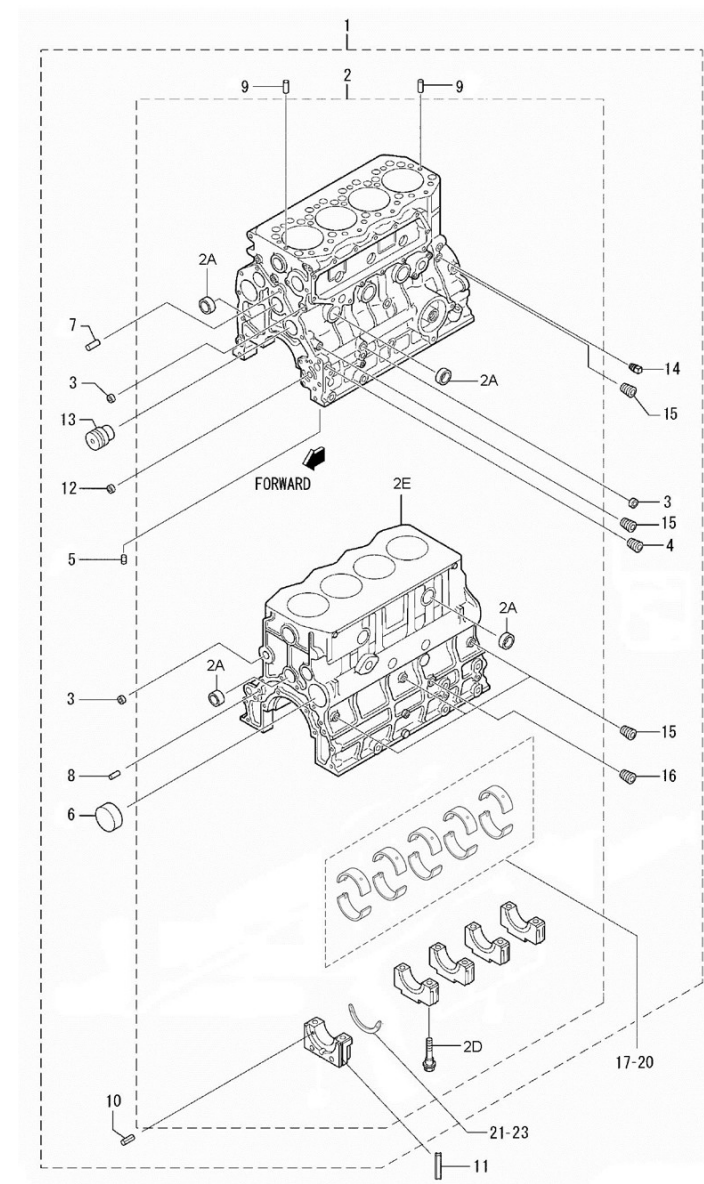
D_MI74_1_4		Timing Parts				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	17422035	1	CamShaft			
2	13322034	1	Key Woodruff			
3	17422075	1	Plate,THRUST			
4	13820043	2	Bolt,W/Washer			
5	17122061	8	Tappet			
6	17122041	8	Rod, push			
7	17422037	1	Gear,CamShaft Z=46			
8	17422040	1	Gear,INJ.Pump Z=46			
9	17422038	1	Gear,IDLER Assy Z=49			
10	17122032	1	Plate, thrust			
11	13322079	1	Bolt			
12	17422066	1	Gear,Oil Pump Z=31			
13	53104255	2	Bolt DIN 7984 M8-12 10.9			



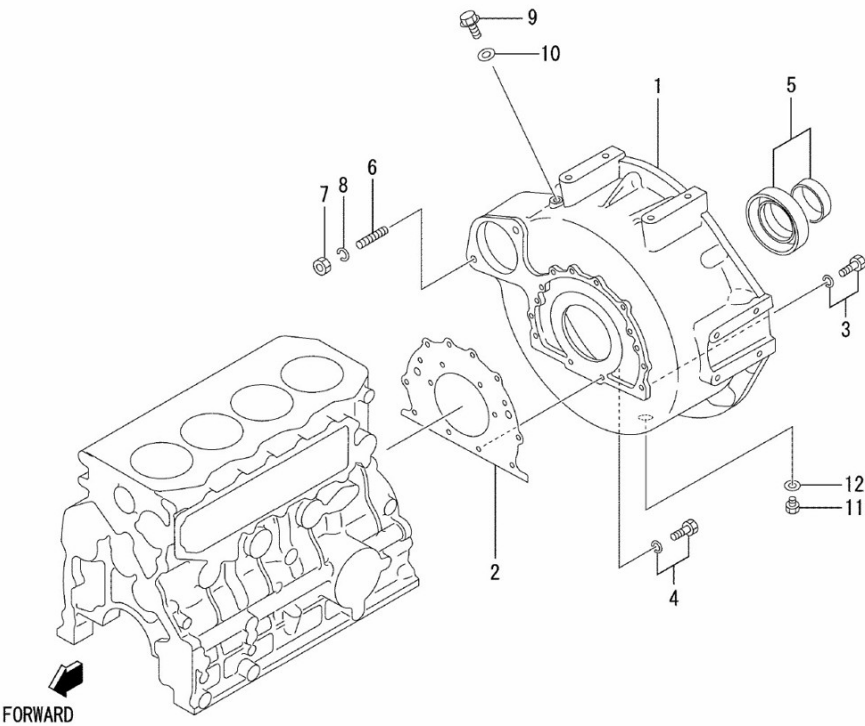
D_MI74_1_5		Gear Case				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	17420024	1	Plate, Front			
2	17420035	1	Case Gear			
3	17420018	1	Gasket,Front Plate			
4	13820043	5	Bolt,W/Washer			
5	17420040	1	Gasket,Gear			
6	17120047	13	Bolt, w/washer			
7	17420039.1	1	Seal Assy,Oil			
8	17411026	1	Coupling Drive			
9	17422071	1	Nut,INJ.Pump			
10	15310072	1	CrossHead Jaw Coupling			
11	17420047	1	O-Ring D. 140X2			
12	17410010	1	Block Water Pump			
13	13310013	1	Gasket,water pump			
14	53038008	5	Washer DIN 6798-A 8			
15	52101266	5	Bolt DIN 931 M8-65 8.8			
16	51030006	4	Washer DIN 125-6			
17	52103156	4	Bolt DIN 912 M6-16 8.8			
18	53104255	2	Bolt DIN 7984 M8-12 10.9			



D_MI74_1_6		Crankcase			
Fig.	Ref.	Qty.	Descr.	Obs	From UpTo
1	17420001.1	1	CRANKCase Assy		
2	(*)	10	Not available		
2A	13320006	10	Cap, Sealing		
2D	17420009	10	Bolt Bearing Cap		
3	13320007	4	Cap, Sealing		
4	17420027G.1	1	Plug, TAPPERED (Generator)		
5	(*1)	1	Not available		
6	17420013	1	Plug, Cam		
7	17420036	2	Pin, Dowel		
8	13320025	2	Pin		
9	17120019	2	Pin, dowel		
10	17420012	6	Pin, Spring		
11	17420112	2	Seal, Valve		
12	17420011	1	Bushing		
13	17420034	1	Shaft, IDLER		
14	17120022	1	Plug, tapered		
15	17820011	7	Plug, Tapered		
16	17120021	1	Plug, taper		
17	17420003	1	METAL, MAIN Set STD		
18	17420004	1	METAL, MAIN Set -0,25		
19	17420005	1	METAL, MAIN Set -0,50		
20	17420006	1	METAL, MAIN Set -0,75		
21	17420109	3	Plate, THRUST.C/S STD		
22	17420110	3	Plate, THRUST.C/S +0,15		
23	17420111	3	Plate, THRUST.C/S +0,30		

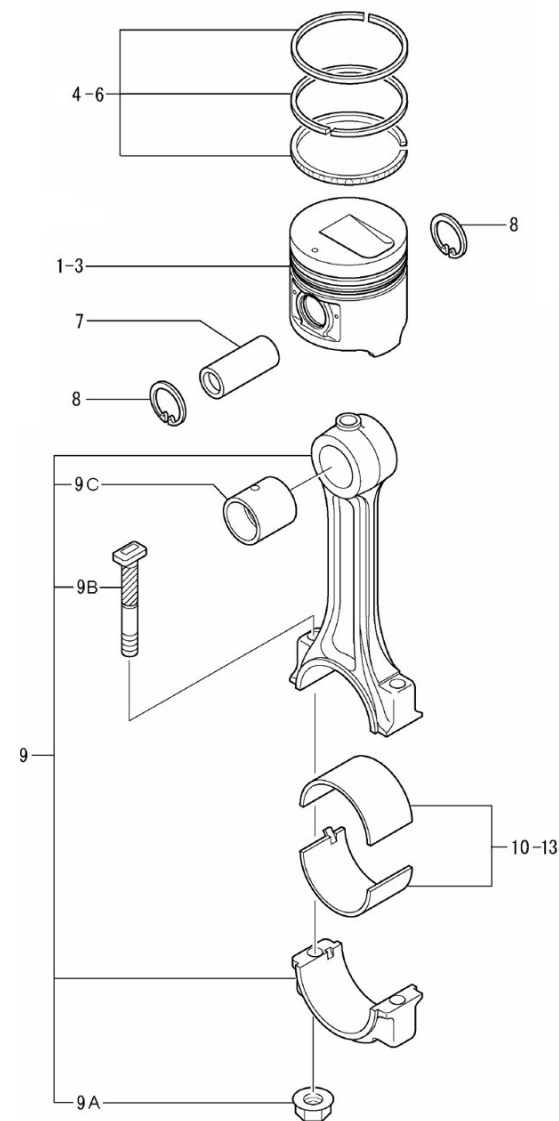


D_MI74_1_7		Flywheel Housing				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	17420002	1	FLYWEEL Housing			
2	17420025	1	Gasket,Rear			
3	17120062	10	Bolt,w/washer			
4	13327004	2	Bolt			
5	13320063	1	Seal Oil			
6	17420067G	2	Stud (Generator)			
7	13127002	2	Nut			
8	53033010	2	Washer GROWER DIN 127-10			
9	17121016	1	Plug, drain			
10	17121013	1	Gasket			
11	13224045	1	Plug			
12	13120032	1	Gasket			

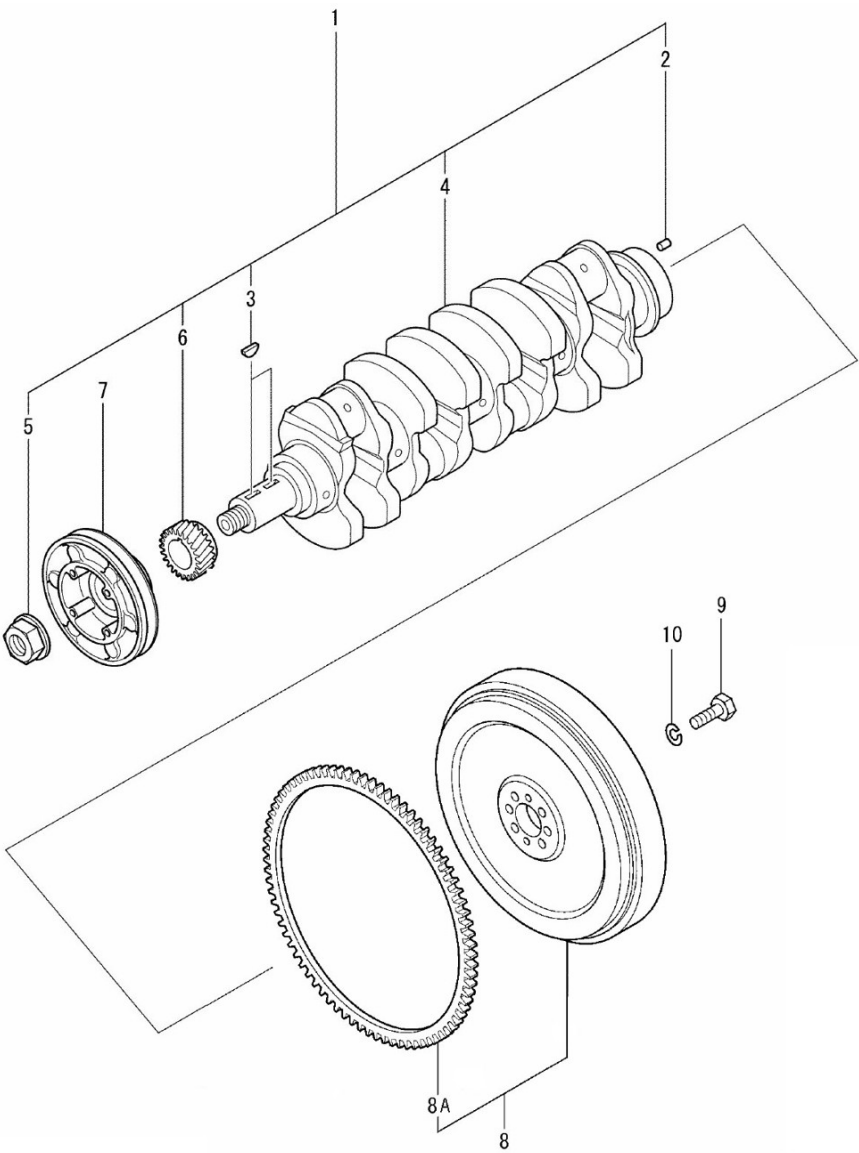


D_MI74_1_8 **Piston & Connectiong Rod**

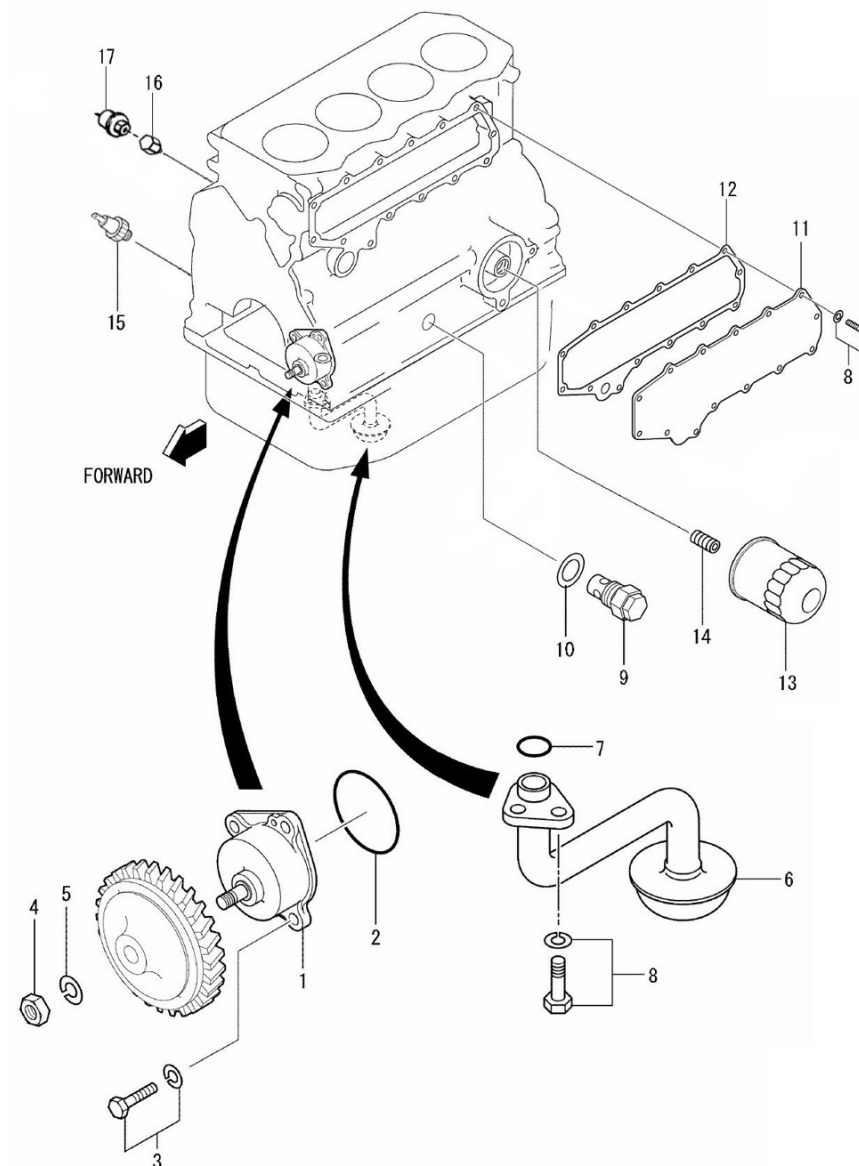
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	17422001	4	Piston STD.			
2	17422002	4	Piston O.S 0,25			
3	17422003	4	Piston O.S 0,50			
4	17422006	4	Ring Set,Piston STD.			
5	17422007	4	Ring,Piston O.S 0,25			
6	17422008	4	Ring,Piston O.S 0,50			
7	17422009	4	Pin,Piston			
8	17422010	8	Ring,Snap			
9	17822012	4	Rod Assy. Connecting			
9A	17122011	8	Nut,connecting rod			
9B	17122013	8	Bolt,connecting rod			
9C	17422033	4	Bushing,Con-Rod			
10	17422014	1	Bearing Set,Con-Rod,STD.			
11	17422015	1	Bearing Set,Con-Rod,U.S -0,25			
12	17822016	1	Bearing Set, Con-Rod, U.S 0,50			
13	17822017	1	Bearing Set, Con-Rod, U.S 0,75			



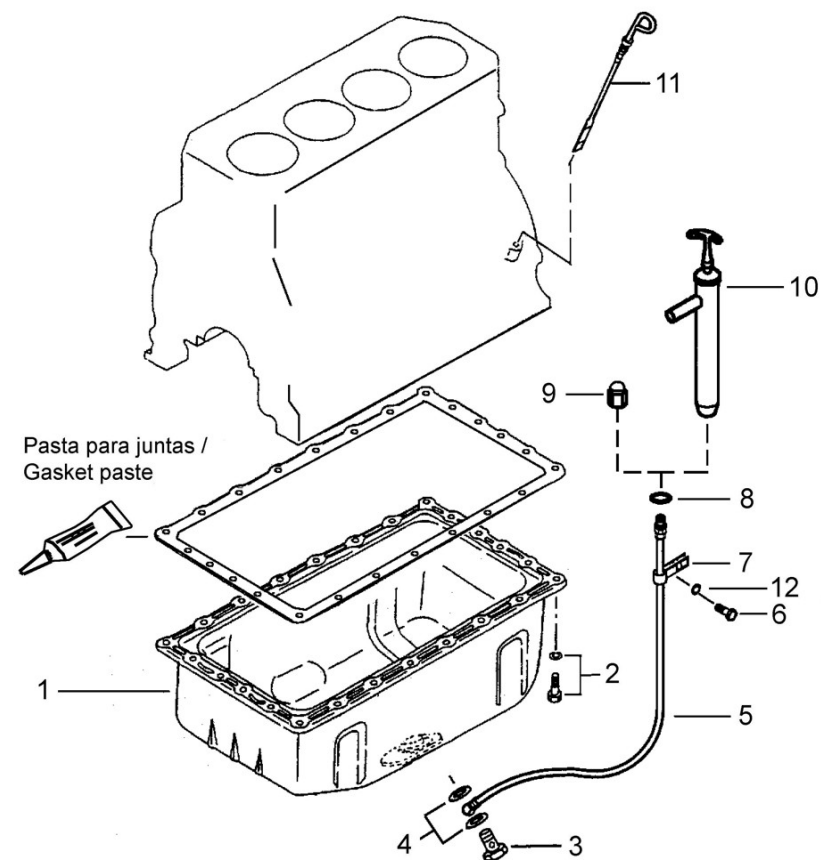
D_MI74_1_9 Crankshaft & Flywheel					
Fig.	Ref.	Qty.	Descr.	Obs	From UpTo
1	17422018	1	CrankShaft Assy		
2	13322059	2	Pin		
3	13322034	2	Key Woodruff		
4	(*)	1	Not available		
5	17422026	1	Nut,CrankShaft		
6	17422019	1	Gear,CrankShaft		
7	17422024	1	Pulley CrankShaft		
8	17422027	1	Flywheel Assy		
8A	17422029	1	Gear,Ring Z=122		
9	13322065	4	Bolt		
10	53033012	4	Washer Grower DIN 127-12		



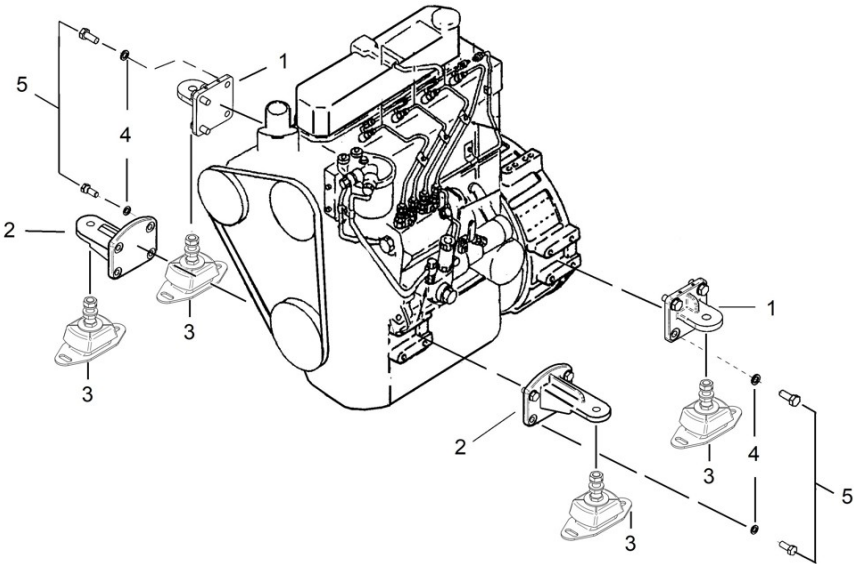
D_MI74_1_10		Oil Sysem				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	17424040	1	Pump Assy,Oil			
2	17424055.1	1	O-Ring			
3	17121012	4	Bolt, w/washer			
4	13122045	1	Nut			
5	53033010	1	Washer GROWER DIN 127-10			
6	17424052	1	STrainer,Oil			
7	17424060	1	O-Ring D. 22X2,4			
8	13820043	16	Bolt,W/Washer			
9	17124072	1	Valve, Assy			
10	17424063	1	Gasket			
11	17424065G	1	Cover,CRANKCase Side			
12	17424062.1	1	Gasket,Side Cover			
13	17424051	1	Oil Filter Element MINI-74/SM-82/94			
14	17424054	1	Union,Oil Filter			
15	17827027	1	Switch, Oil pressure			
16	17117052	1	Oil Pressure Sensor Adaptor		29/09/2015	
17	60900985	1	Pressure Sensor			



D_MI74_1_11		Oil Pan				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	17420030	1	Oil PAN Assy			
2	13820043	24	Bolt,W/Washer			
3	12814051	1	Screw,eye			
4	56000069	2	Washer 14-20-1,5			
5	18014021	1	Extraction Hose			
6	52102259	1	Bolt DIN 933 M8-30 8.8			
7	18014022	1	Bracket,pipe			
8	56000217	1	Washer 13-20-3			
9	16514020	1	Plug			
10	14714001	1	Oil Extraction Pump			
11	17420029	1	Gauge Oil LEVEL			
12	53033008	1	Washer GROWER DIN 127-8			

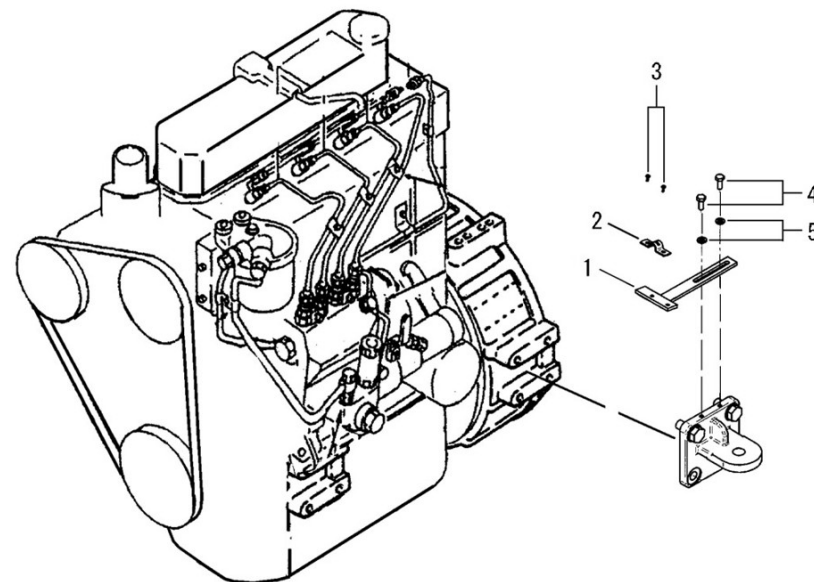


D_MI74_1_12		Engine Brackets				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	17410002	2	Rear Bracket			
2	17410001	2	Front Bracket			
3	61678001	4	55 SHA M16 H 110 Engine Mount Type D			
4	53033012	16	Washer Grower DIN 127-12			
5	52102359	16	Bolt DIN 933 M12-30 8.8			

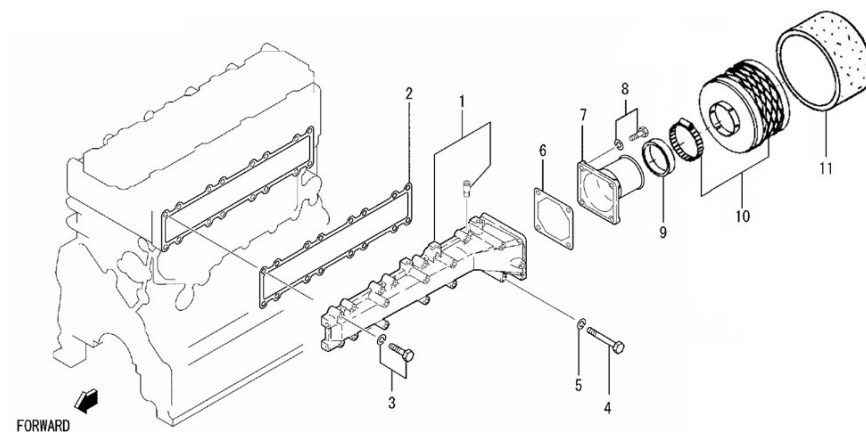


D_MI74_1_13 **Bracket, Engine Control**

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	17419001	1	Bracket,Engine Control			
2	14719013	1	Clamp,cable			
3	55307104	2	Bolt DIN 86 W3/16-10			
4	52102156	2	Bolt DIN 933 M6-16 8.8			
5	51030006	2	Washer DIN 125-6			

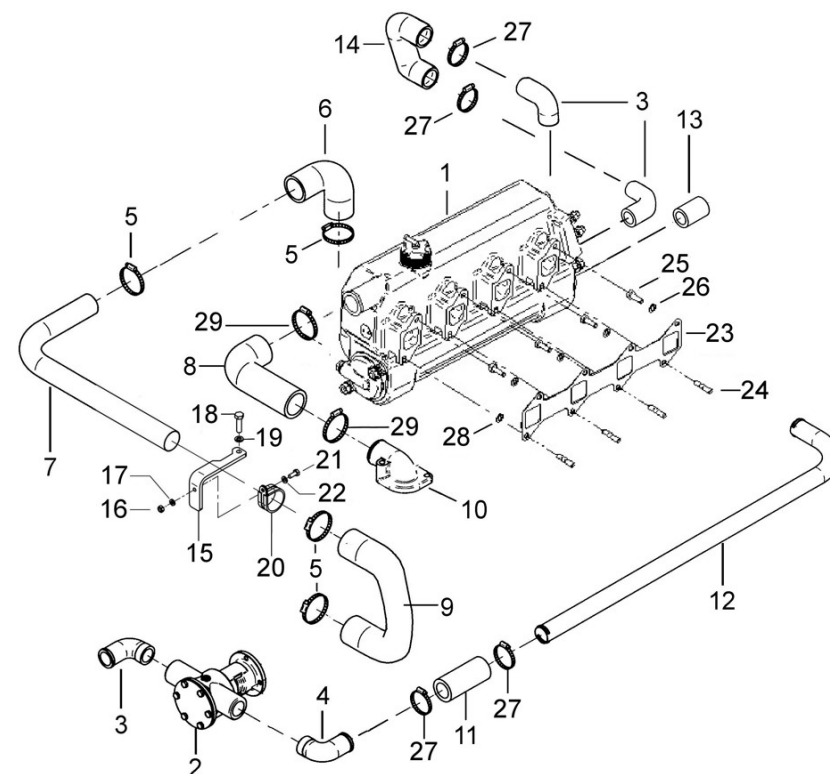


D_MI74_2_1		Inlet				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	17421030	1	MANIFOLD Assy,Inlet			
2	17421032	1	Gasket IN.MANIFOLD			
3A	52101261	14	Bolt DIN 931 M8-40 8.8			
3B	53033008	14	Washer GROWER DIN 127-8			
4	17421014G	2	Bolt (Generator)			
5	13321016	2	Washer Spring			
6	17421042	1	Gasket			
7	17421029	1	Pipe,Air Inlet			
8	17421012	3	Bolt			
9	17410032	1	Ring			
10	17410034	1	Air Filter			
11	17410031	1	Filter Element (Air Filter)			

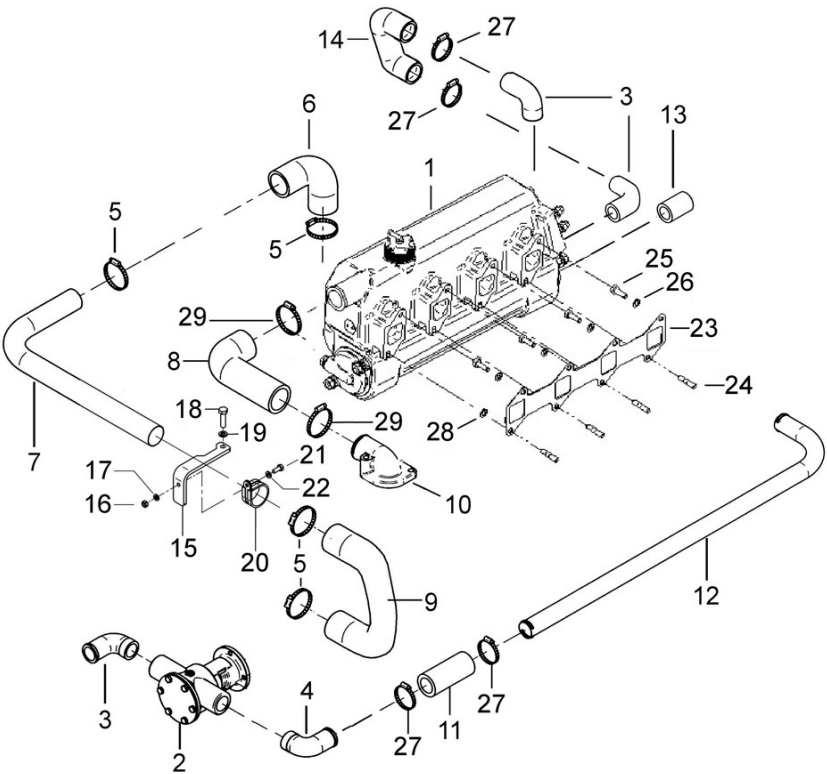


Exploded view diagram of a 1997-2000 Ford 4.0L V6 engine showing the timing belt assembly and other components. The diagram includes a large view of the engine block on the right and a detailed exploded view of the timing belt assembly on the left. Components are numbered 1 through 20. A "FORWARD" arrow indicates the direction of assembly.

D_MI74_3_2		Cooler Pipes			
Fig.	Ref.	Qty.	Descr.	Obs	From UpTo
1	17411000REC	1	Water Cooler Assy MINI-74		29/01/2018
1	17811003REC	1	Water Cooler Assy MINI-74		30/01/2018
2	36511000	1	Cross Brace Pump from 74 to 616		
3	14711021	3	Elbow N°1		
4	14711022	1	Elbow N°2		
5	54082032	4	Clamp DIN 3017 32-50/12 W4		
6	15211026	1	Elbow,rubber		
7	17011022	1	Pipe,from cooler to engine		
8	17411013	1	Thermostat Water Outlet Elbow		
9	16711016	1	Rubber Elbow		
10	17111020	1	Fitting,water outlet		
11	13211036	1	Pipe 30-40-100		
12	17411011	1	Pipe		
13	14711029	1	Pipe		
14	17411034	1	Hose		
15	17511014	1	Bracket		
16	52120006	1	Nut DIN 934 M6 8.8		
17	53033006	1	Washer GROWER DIN 127-6		
18	52102259	1	Bolt DIN 933 M8-30 8.8		
19	53033008	1	Washer GROWER DIN 127-8		
20	59071383	1	Clamp TYP.1 38/15 W1		
21	52102157	1	Bolt DIN 933 M6-20 8.8		
22	51030006	1	Washer DIN 125-6		
23	17421035	1	Gasket,Exhaust Manifold		
24	14711008	4	Stud,cover		30/01/2018
24	17411015	8	Stud		29/01/2018
25	52102258	4	Bolt DIN 933 M8-25 8.8		30/01/2018
26	53038008	4	Washer DIN 6798-A 8		30/01/2018
26	56000057	8	Washer 8-13-1,5		29/01/2018
27	54082025	4	Clamp DIN 3017 25-40/12 W4		
28	51125008	4	Nut Exhaust		30/01/2018

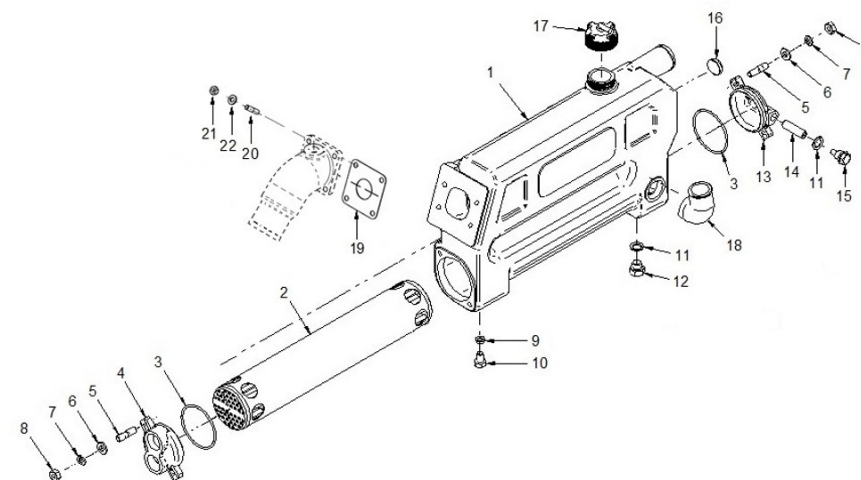


D_MI74_3_2		Cooler Pipes				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
28	55122008	8	Nut DIN 1587 M8			29/01/2018
29	54082040	2	Clamp DIN 3017 40-60/12 W4			



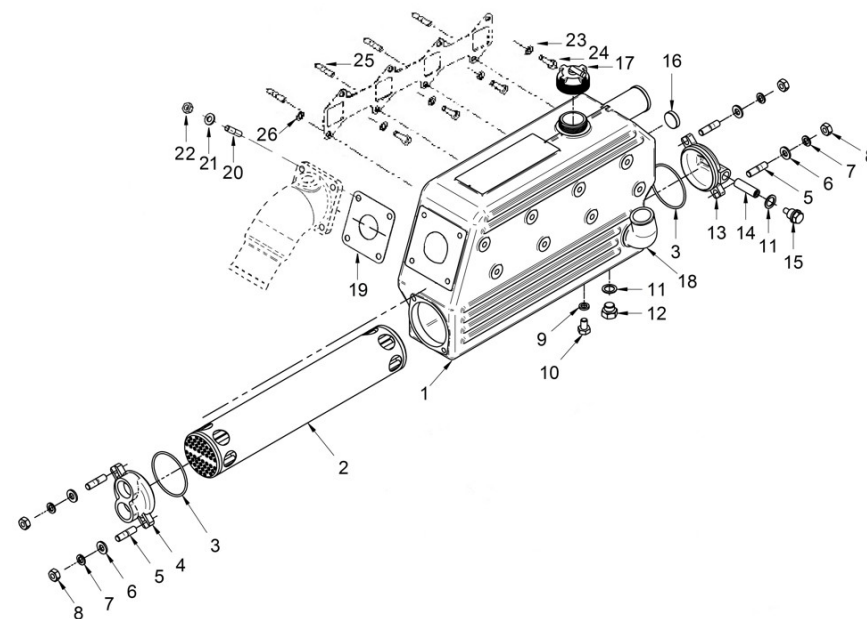
D_17811003REC Water Cooler Assy MINI-74 from 30/01/2018

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	17811001	1	Body, Warter Cooler			
2	18011004	1	Tubular Bundle			
3	18011008	2	O-Ring D. 72X3			
4	17411003	1	Water Cooler Cover			
5	16511007	4	Stud			
6	51030010	4	Washer DIN 125-10			
7	53033010	4	Washer GROWER DIN 127-10			
8	52120010	4	Nut DIN 934 M10 8.8			
9	56000205	1	Washer 10-16-3			
10	54102306	1	Bolt DIN 933 M10-16 INOX.			
11	56000073	2	Copper Washer 16-23-1,5			
12	12111076	1	Plug			
13	18011002	1	Water Cooler Cover			
14	18011031	1	Engine Anode 45 mm M.8			
15	18011009	1	Anode Plug			
16	12113092	1	Plug			
17	13811010	1	Cap			
18	17111011	1	Elbow 1 1/8"			
19	16513002	1	Exhaust Elbow Gasket			
20	19613016	4	Turbo Stud M8-M10			
21	54120008	4	Nut DIN 934 M8			
22	53033008	4	Washer GROWER DIN 127-8			
NS	17411040	1	Label MINI-74			

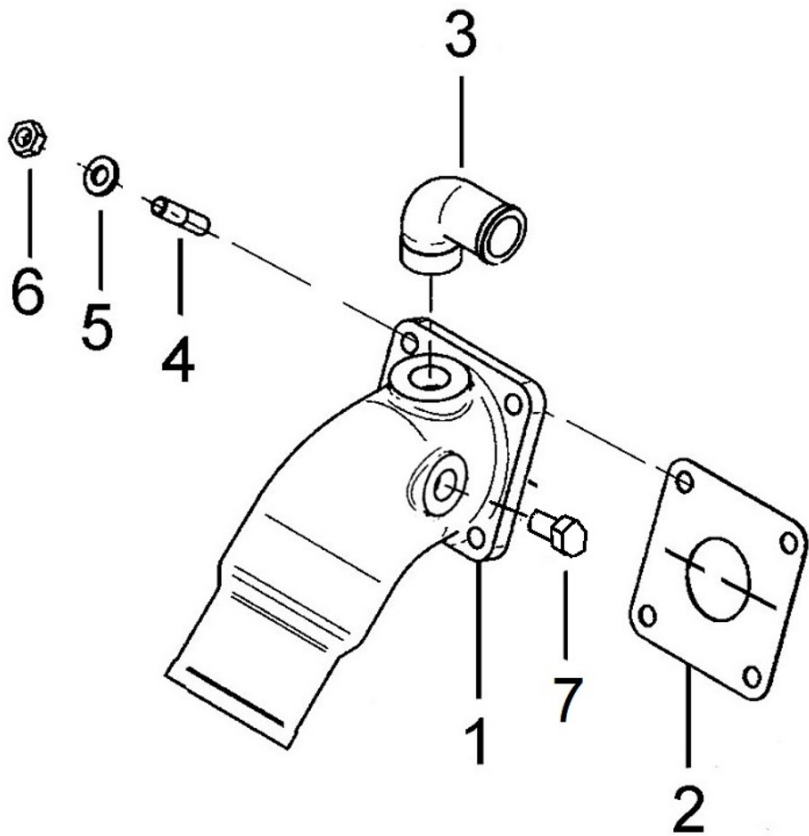


D_17411000REC Water Cooler Assy MINI-74 upto 29/01/2018

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	17811001	1	Body, Warter Cooler			
2	18011004	1	Tubular Bundle			
3	18011008	2	O-Ring D. 72X3			
4	17411003	1	Water Cooler Cover			
5	16511007	4	Stud			
6	51030010	4	Washer DIN 125-10			
7	53033010	4	Washer GROWER DIN 127-10			
8	52120010	4	Nut DIN 934 M10 8.8			
9	56000205	1	Washer 10-16-3			
10	54102306	1	Bolt DIN 933 M10-16 INOX.			
11	56000073	2	Copper Washer 16-23-1,5			
12	12111076	1	Plug			
13	18011002	1	Water Cooler Cover			
14	18011031	1	Engine Anode 45 mm M.8			
15	18011009	1	Anode Plug			
16	12113092	1	Plug			
17	13811010	1	Cap			
18	17111011	1	Elbow 1 1/8"			
19	16513002	1	Exhaust Elbow Gasket			
20	19613016	4	Turbo Stud M8-M10			
21	53033008	4	Washer GROWER DIN 127-8			
22	54120008	4	Nut DIN 934 M8			
23	53038008	4	Washer DIN 6798-A 8			
24	52102258	4	Bolt DIN 933 M8-25 8.8			
25	14711008	4	Stud,cover			
26	51125008	4	Nut Exhaust			
NS	17411040	1	Label MINI-74			

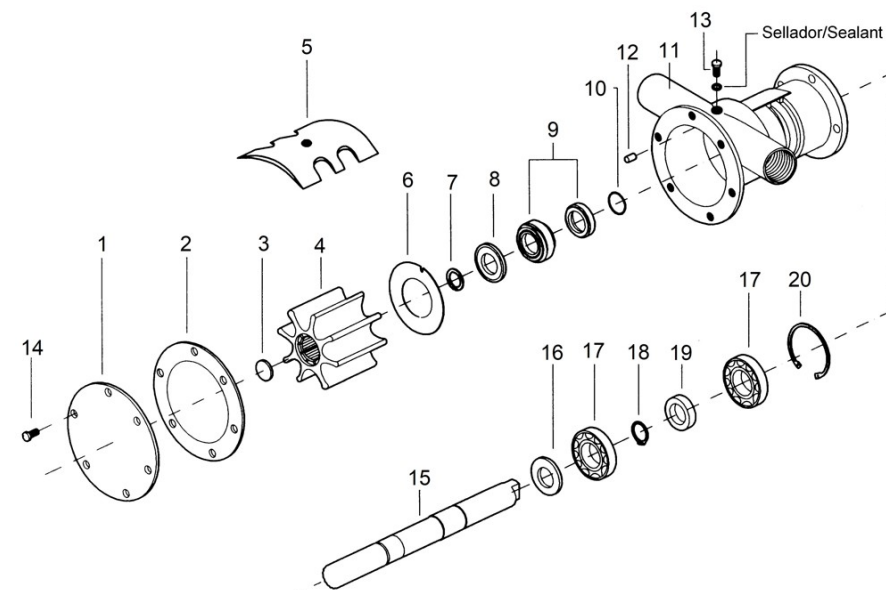


D_MI74_3_3		Wet Exhaust				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	16613015	1	Elbow, wet exhaust			
2	16513002	1	Exhaust Elbow Gasket			
3	14711021	1	Elbow N°1			
4	16511007	4	Stud			30/05/2017
4	19613016	4	Turbo Stud M8-M10		31/05/2017	
5	53033008	4	Washer GROWER DIN 127-8		31/05/2017	
5	53033010	4	Washer GROWER DIN 127-10			30/05/2017
6	54120008	4	Nut DIN 934 M8		31/05/2017	
6	55120110	4	Nut DIN 934 M10			30/05/2017
7	55102405	1	Bolt DIN 933 M14-1,50-12 Brass		26/04/2024	

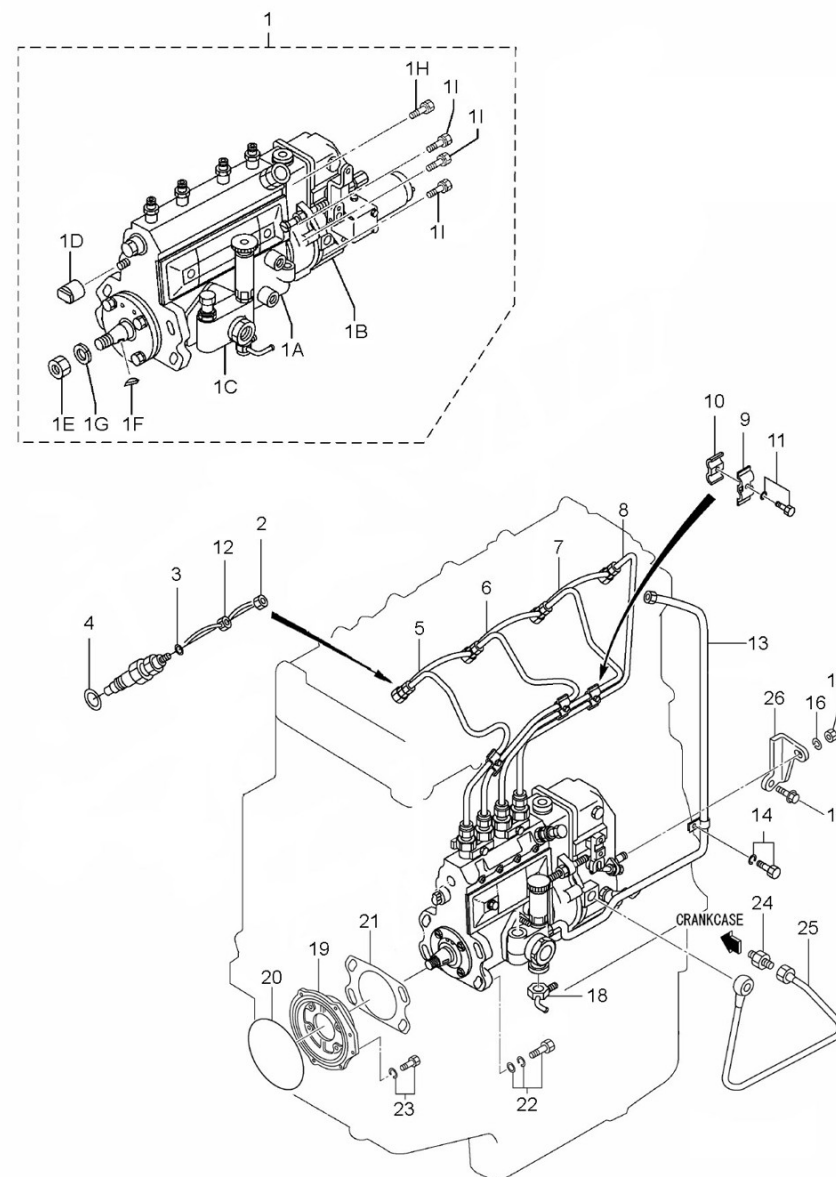


36511000 Cross Brace Pump from 74 to 616

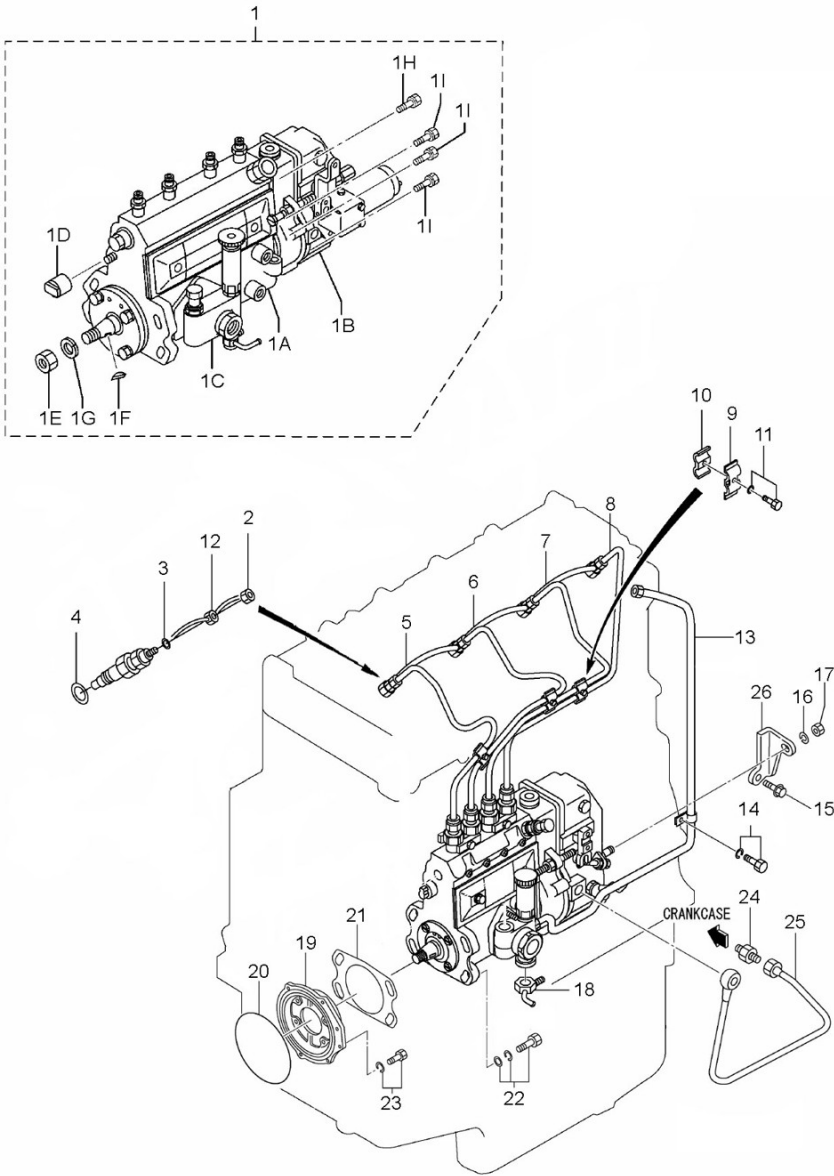
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	34711002	1	Cover Pump			
2	34711003	1	Gasket Cover			
3	34711041	1	Impeller Plug			
4	34711008	1	1" Impeller			
5	34711005	1	Cam			
6	34711026	1	Plate,Friction			
7	54040016	1	CIRClip E-16			
8	36511018	1	Washer,seal			
9	36511019	1	Seal			
10	33311013	1	O-Ring D. 15X2			
11	36511001	1	Body,water pump			
12	36511017	1	Pin,Dowel			
13	54108154	1	Bolt DIN 84 M6-10			
14	54102154	6	Bolt DIN 933 M6-10 INOX			
15	36511010	1	Shaft,pump			
16	36511015	1	Spacer 17X24X7			
17	33311014	2	Ball Bearing 6203			
18	53040017	1	Circlip DIN 471 E-17			
19	36511020	1	Seal 16-30-7			
20	53041040	1	Circlip DIN 472 I-40			



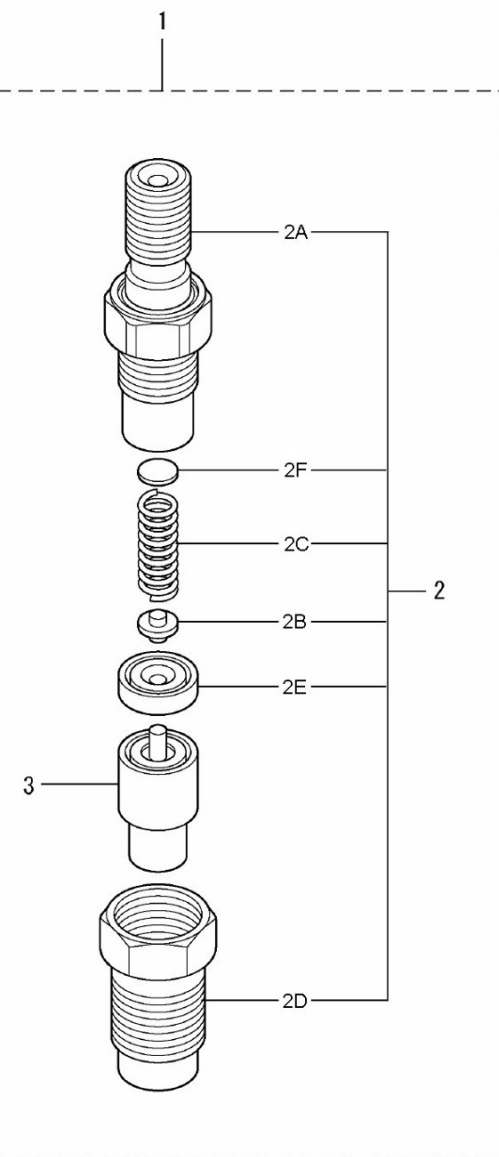
D_MI74_4_1		Fuel Pipe			
Fig.	Ref.	Qty.	Descr.	Obs	From UpTo
1	17425001	1	Pump Assy,Fuel Injection		
1A	(*)	1	Not available		
1B	(*1)	1	Not available		
1C	17425002	1	Cover,Control		
1D	13325274	1	Nut		
1E	13325268	1	KEY WOODRUFF		
1F	13325273	1	Washer		
1G	13325100	1	Pump Feed		
1H	17425003	1	Bolt,W/Washer		
1I	17425004	6	Bolt,W/Washer		
2	13824024	4	Nut		
3	17424025G.1	4	Gasket Fuel Return (Genset)		
4	13824013	4	Injector Washer		
5	17424015	1	Pipe Injection N.1		
6	17424016	1	Pipe Injection N.2		
7	17424019	1	Pipe Injection N.3		
8	17424022	1	Pipe Injection N.4		
9	13124018	3	Clamp (A)		
10	13124017	3	Clamp (B)		
11	17524025	3	Bolt,W/Washer		
12	17424004	1	Assy,Fuel Return		
13	17424005	1	Pipe,Fuel		
14	17424025	1	Bolt,W/Washer		
15	17425036	1	Bolt,Flange		
16	13321016	1	Washer Spring		
17	17120049	1	Nut M8		
18	17424027	1	JOINT,EYE		
19	17425005	1	Flange,INJ.Pump		
20	17420047	1	O-Ring D. 140X2		
21	17425028	1	Gasket		
22	17425029	4	Bolt,W/Washer		



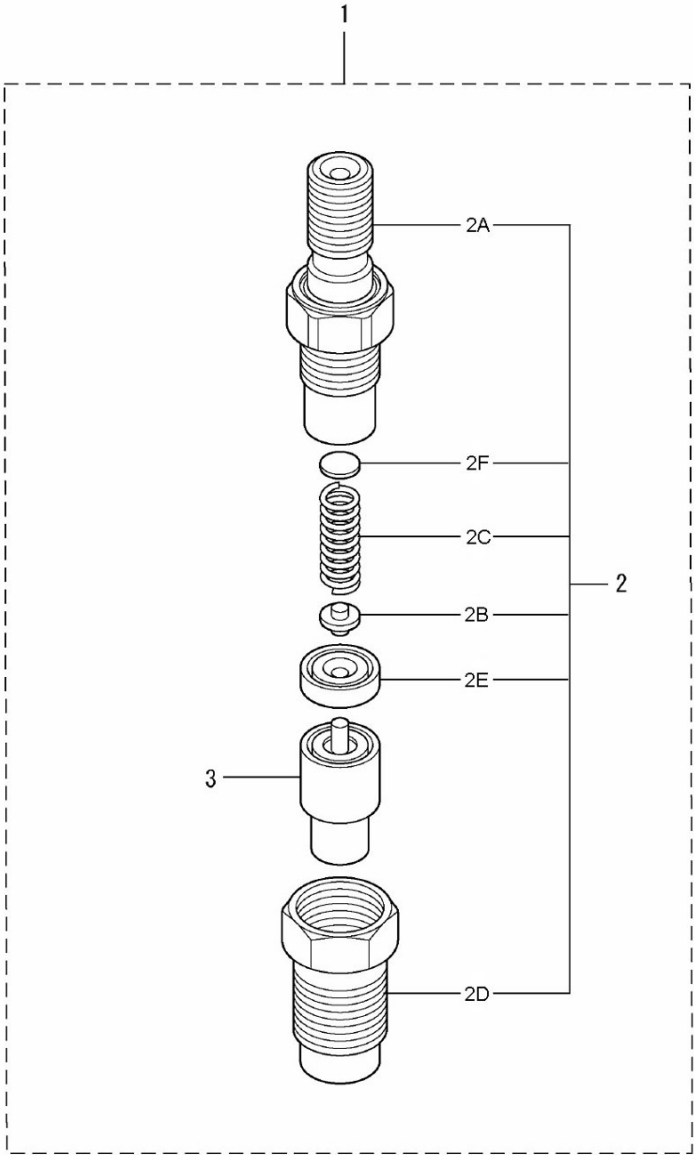
D_MI74_4_1		Fuel Pipe				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
23	17121012	1	Bolt, w/washer			
24	17424032	1	Connector			
25	17424033	1	Pipe,Oil			
26	17424034	1	Bracket,INJ.Pump			



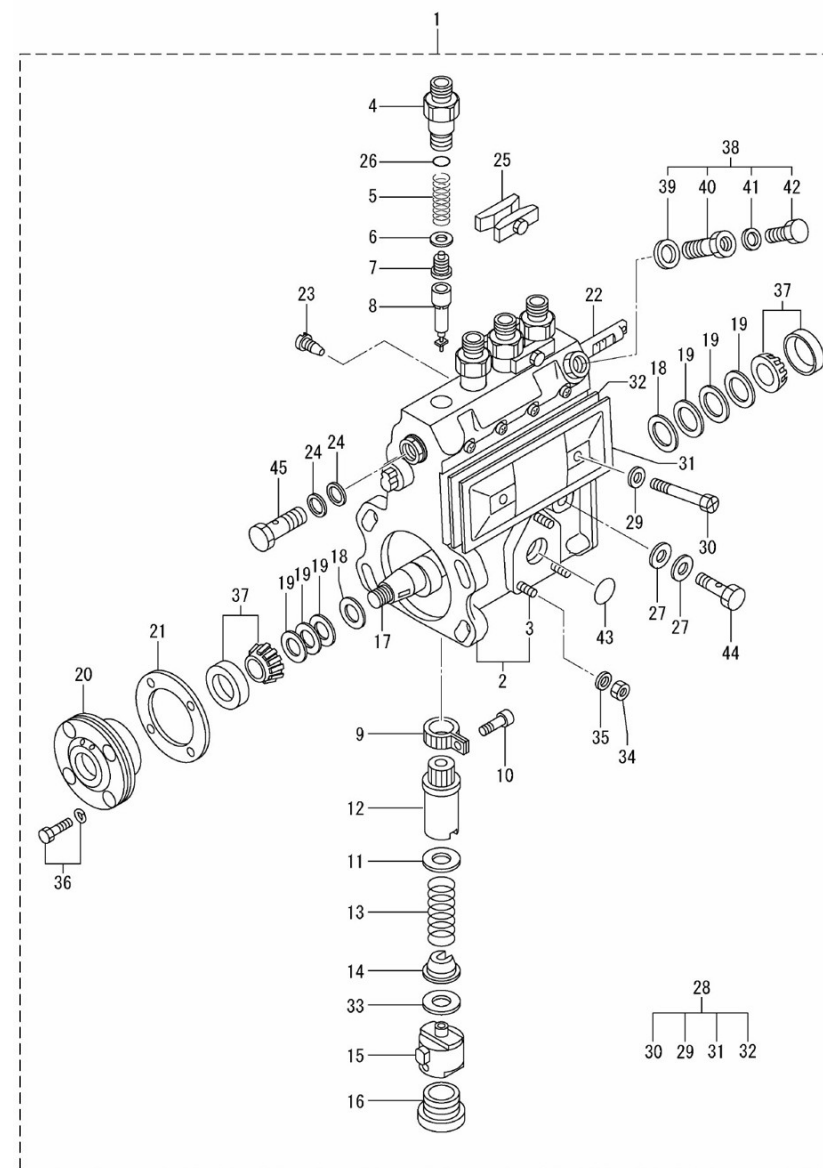
D_MI74_4_2		Injection Nozzle				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	17126001	4	Nozzle, Assy			
2	17126003	4	Holder			
2A	17126002	4	Body, Assy			
2B	13826003	4	Pin Pressure			
2C	17126004	4	Spring, pressure			
2D	17226006	4	Nut, Nozzle RETAINING			
2E	13826007	4	PIECE DISTANCE			
2F	13826010	0	Washer 1,25	#		
2F	13826011	0	Washer 1,30	#		
2F	13826012	0	Washer 1,35	#		
2F	13826013	0	Washer 1,40	#		
2F	13826014	0	Washer 1,45	#		
2F	13826015	0	Washer 1,50	#		
2F	13826016	0	Washer 1,55	#		
2F	13826017	0	Washer 1,60	#		
2F	13826019	0	Washer 1,65	#		
2F	13826020	0	Washer 1,70	#		
2F	17126020	0	Washer 0.900	#		
2F	17126021	0	Washer 0.925	#		
2F	17126022	0	Washer 0.950	#		
2F	17126023	0	Washer 0.975	#		
2F	17126024	0	Washer 1.000	#		
2F	17126025	0	Washer 1.025	#		
2F	17126026	0	Washer 1.050	#		
2F	17126027	0	Washer 1.075	#		
2F	17126028	0	Washer 1.100	#		
2F	17126029	0	Washer 1.125	#		
2F	17126030	0	Washer 1.150	#		
2F	17126031	0	Washer 1.175	#		
2F	17126032	0	Washer 1.200	#		
2F	17126033	0	Washer 1.225	#		



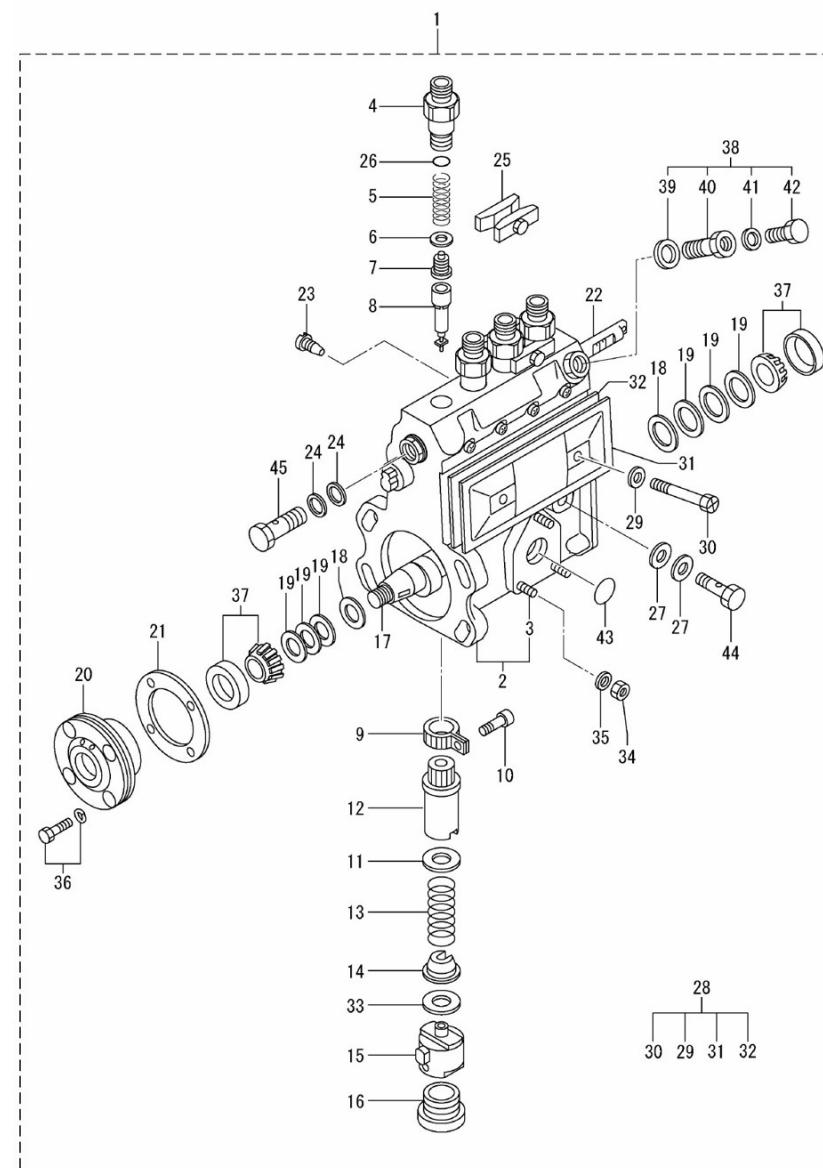
D_MI74_4_2		Injection Nozzle				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
2F	17126035	0	Washer 1.275	#		
2F	17126037	0	Washer 1.325	#		
2F	17126039	0	Washer 1.375	#		
2F	17126041	0	Washer 1.425	#		
2F	17126043	0	Washer 1.475	#		
2F	17126045	0	Washer 1.525	#		
2F	17126047	0	Washer 1.575	#		
2F	17126049	0	Washer 1.625	#		
2F	17126051	0	Washer 1.675	#		
2F	17126053	0	Washer 1.725	#		
2F	17126054	0	Washer 1.750	#		
2F	17126055	0	Washer 1.775	#		
2F	17126056	0	Washer 1.800	#		
2F	17126057	0	Washer 1.825	#		
2F	17126058	0	Washer 1.850	#		
2F	17126059	0	Washer 1.875	#		
2F	17126060	0	Washer 1.900	#		
2F	17126061	0	Washer 1.925	#		
2F	17126062	0	Washer 1.950	#		
3	13326130	4	TIP Assy Nozzle			



D_MI74_4_3		Fuel Injection Pump				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	(*)	1	Not available			
2	17425005.1	1	Flange,INJ.Pump			
3	13325239	3	Stud			
4	17425046	4	Support SOUPAPE			
5	17425014	4	Spring,Valve			
6	17425012	4	Gasket,Valve			
7	17425008	4	Valve,DELIVERY			
8	17425009	4	Element,Pump			
9	13325241	4	PinION Control			
10	13325240	4	Screw			
11	17425015	4	SLEEVE,Control			
12	17425011	4	SHEET,Upper Spring			
13	13325244	4	Spring Plunger			
14	17425013	4	SHEET,LOWER Spring			
15	13325261	4	Tappet Assy			
16	17425022	4	Plug,Screw			
17	17425023	1	CamShaft			
18	13325226	2	Ring			
19A	13325219	0	Plate 0,1	#		
19B	13325220	0	Plate 0,12	#		
19C	13325221	0	Plate 0,14	#		
19D	13325222	0	Plate 0,16	#		
19E	13325223	0	Plate 0,18	#		
19F	13325225	0	Plate 0,5	#		
19G	13325224	0	Plate 0,3	#		
19H	17425030	0	Shim Adjusting T=1.00	#		
19I	17425031	0	Shim Adjusting T=1,50	#		
19J	17425032	0	Shim Adjusting T=2.00	#		
19K	17425033	0	Shim Adjusting T=0.03	#		
20	13325271	1	Cover			
21	17425025	1	Gasket,Bearing Cover			

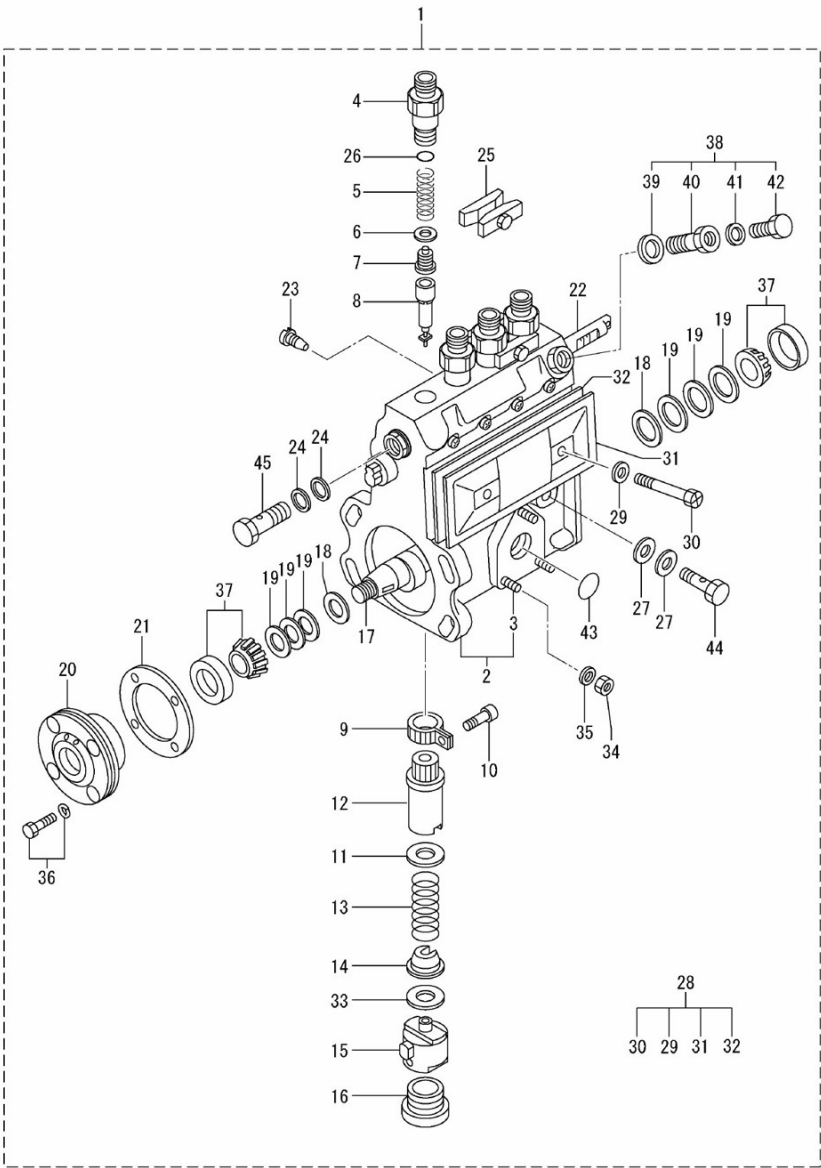


D_MI74_4_3		Fuel Injection Pump				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
22	17425006	1	RACK,Control			
23	17425027	1	Screw,RACK Guide			
24	13325202	2	Washer			
25	17425035	2	Plate			
26	17425010	4	O-Ring			
27	13825031.3	2	Washer,DRAIN Union			
28	17425040	1	Cover,Pump			
29	13325215	3	Washer			
30	17425041	2	Screw,HEXAGON			
31	17425042	1	Cover,Plate			
32	17425043	1	Gasket,Cover Plate			
33A	13125014	0	Shim T=0.60	#		
33B	13325253	0	Shim T=0.70	#		
33C	13325254	0	Shim T=0.80	#		
33D	13325255	0	Shim T=0.90	#		
33E	13325256	0	Shim T=1.00	#		
33F	13325257	0	Shim T=1.10	#		
33G	13325258	0	Shim T=1.20	#		
33H	13325259	0	Shim T=1.30	#		
33I	13325260	0	Shim T=1.40	#		
33J	13325246	0	Shim T=0.10	#		
33K	13125015	0	Shim T=0.2	#		
33L	13325249	0	Shim T=0.30	#		
33M	13125017	0	Shim T=0.4	#		
33N	13125018	0	Shim T=0.5	#		
33O	13325247	0	Shim T=0.15	#		
33P	17425034	0	Shim T=0.13	#		
34	17425019	3	Nut			
35	17425007	3	Washer,Spring			
36	13325272	4	Screw			
37	13325217	2	Conical Roller Bearing 30203			

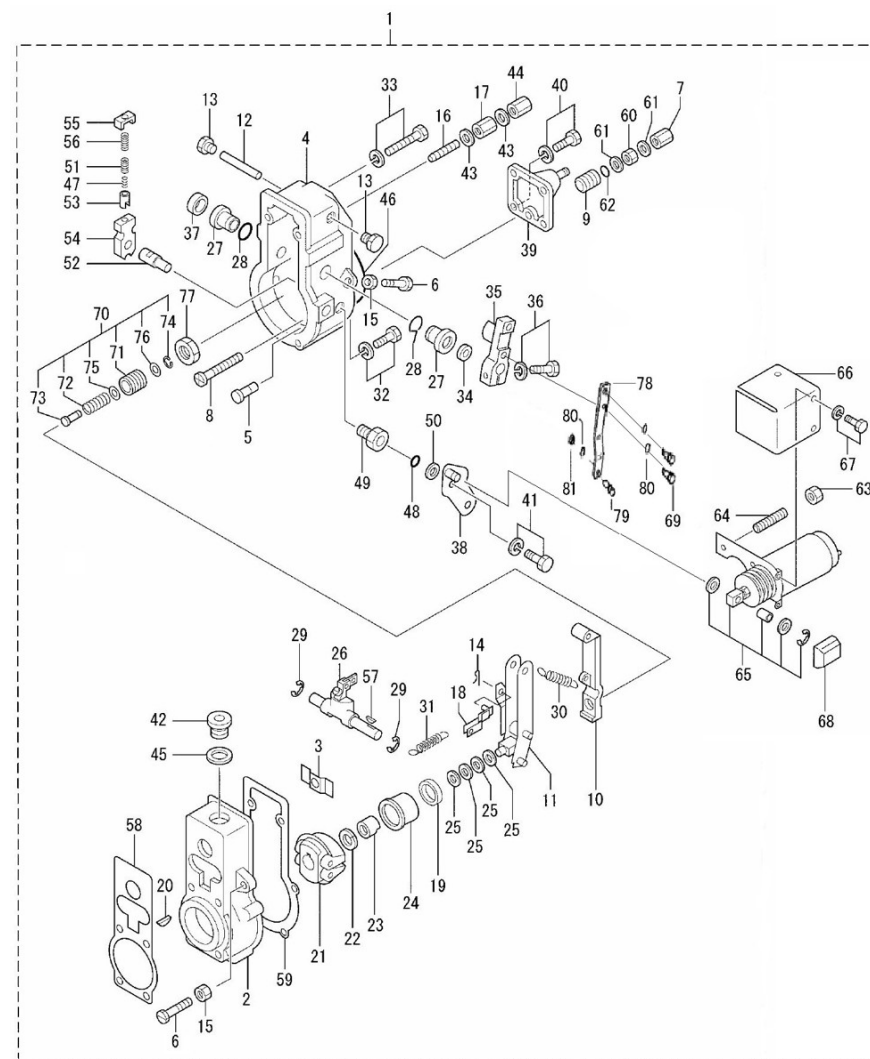


D_MI74_4_3		Fuel Injection Pump			
Fig.	Ref.	Qty.	Descr.	Obs	From UpTo

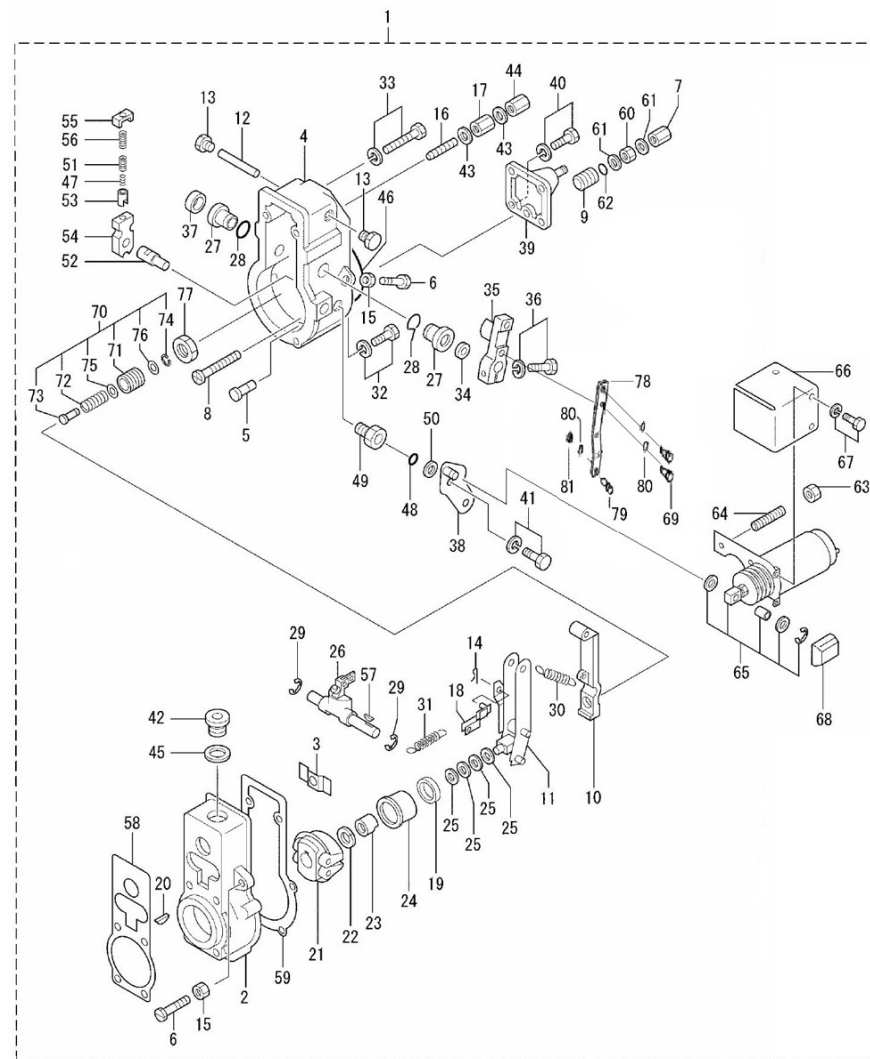
38	13325212	1	BREATHER Air		
39	13325213	1	Washer NIPPLE		
40	13325214	1	NIPPLE		
42	13325216	1	Screw		
43	13325234	1	O-Ring		
44	13325231	1	Screw, Racord		
45	13325201	1	Screw, Racord		



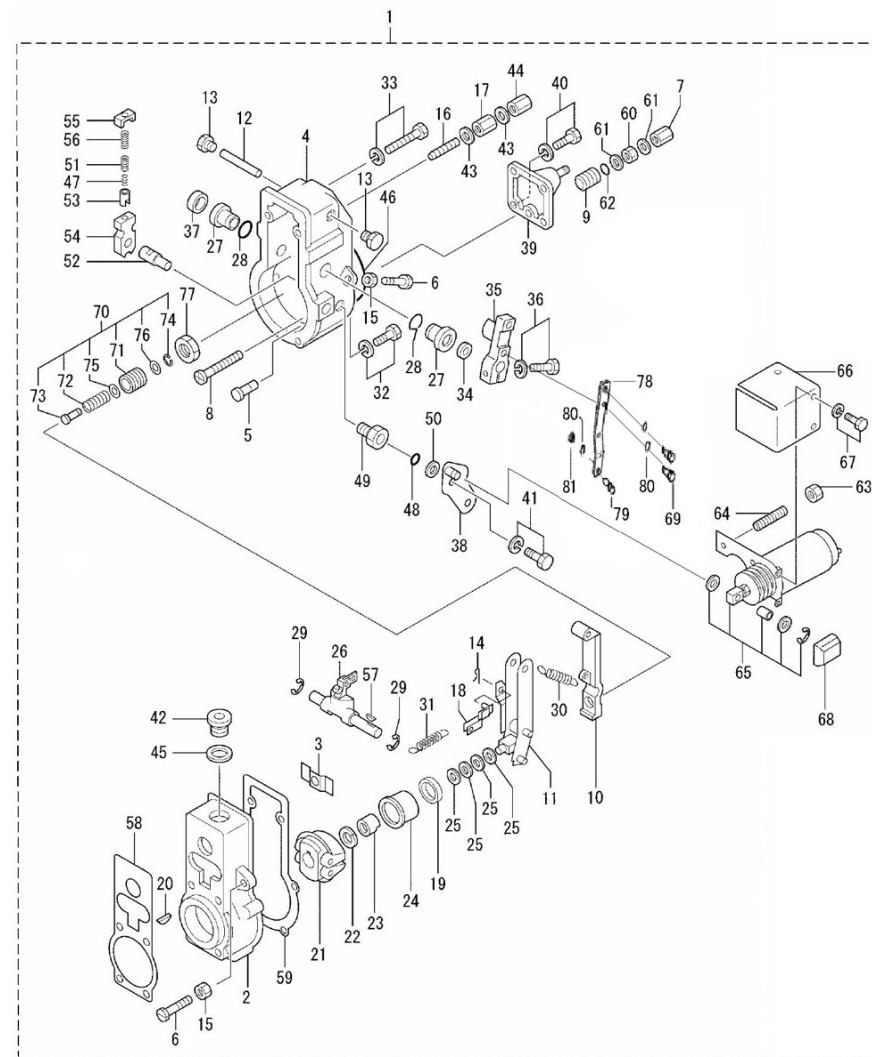
D_MI74_4_4		Governor Parts				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	(*)	1	Not available		01/01/2016	
2	17425201	1	Housing,GOverNOR			
3	17425203	1	Plate			
4	17425208	1	Cover,GOverNOR			
5	17425209	1	Pin			
6	17425210	2	Screw,Adjusting			
7	17425217	1	Nut			
8	17425212	1	Screw,Adjusting			
9	17425213	1	Bushing			
10	17425218	1	Lever,TENSION			
11	17425245	1	Lever,TENSION			
12	17425222	1	Shaft,Lever			
13	17425223	2	Plug,Screw			
14	17425246	1	Pin,SPLIT			
15	17425211	2	Nut,W/Hole			
16	17425230	1	CapSULE			
17	17425232	1	Nut,Adapter LOCK			
18	17425247	1	SHACKLE			
19	17425239	1	Bearing,Ball			
20	17425205	1	KEY,WOODRUFF			
21	17425235	1	FLYWEIGHT Assy			
22	13325273	1	Washer			
23	17425237	1	Nut,ROUND			
24	17425238	1	SLEEVE,GOverNOR			
25A	17425240	0	Washer,Plate T=0.2	#		
25B	17425241	0	Washer,Plate T=0.3	#		
25C	17425242	0	Washer,Plate T=0.4	#		
25D	17425243	0	Washer,Plate T=0.1	#		
25E	17425244	0	Washer,Plate T=1.0	#		
26	17425250	1	Lever,SWIVELLING			
27	17425227	2	Bushing,Lever			



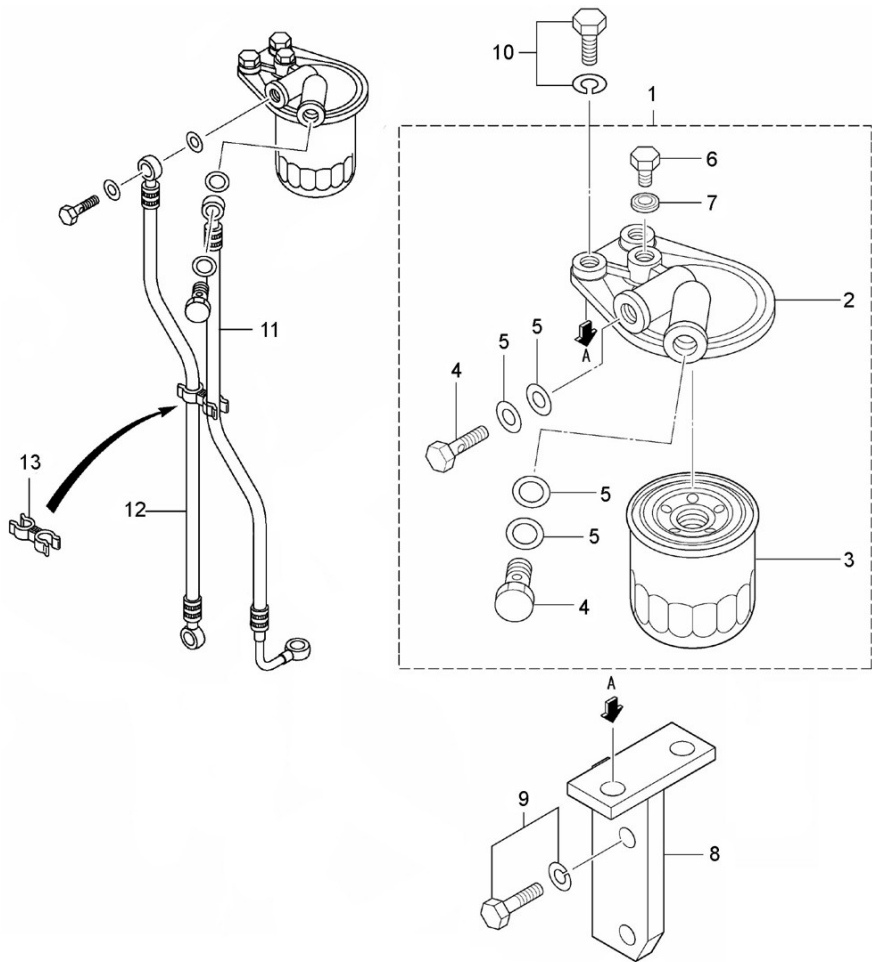
D_MI74_4_4		Governor Parts				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
28	17425226	2	O-Ring			
29	17425251	2	Washer,SNAP			
30	17425220	1	Spring,Control			
31	17425248	1	Spring,START			
32	17425255	4	Bolt,W/Washer			
33	17425300	2	Bolt,W/Washer			
34	17425229	1	Seal,Oil			
35	17425224	1	Lever,Adjusting			
36	17425225	1	Bolt,W/Washer			
37	17425228	1	Cap,Lever			
38	17425259	1	Lever,Stop			
39	17425296	1	Plate,Cover			
40	17425297	1	Bolt,W/Washer			
41	17425260	1	Bolt,W/Washer			
42	17425206	1	Plug,Screw			
43	13325213	2	Washer NIPPLE			
44	17425233	1	Nut,Cap			
45	17425207	1	Washer,COPPER Plate			
46	17425295	1	Packing,Rubber Plate			
47	17425276	1	Spring			
48	17425257	1	O-Ring			
49	17425256G	1	Bushing,Bearing (Generator)			
50	17425270	1	Washer			
51	17425275	1	Spring			
52	17425279	1	Shaft,GOverNOR			
53	17425277	1	SHEET,spring			
54	17425278	1	Lever,Support			
55	17425273	1	Plate,Cap			
56	17425274	1	Spring			
57	17425252	1	KEY,WOODRUFF			
58	17425204	1	Gasket			



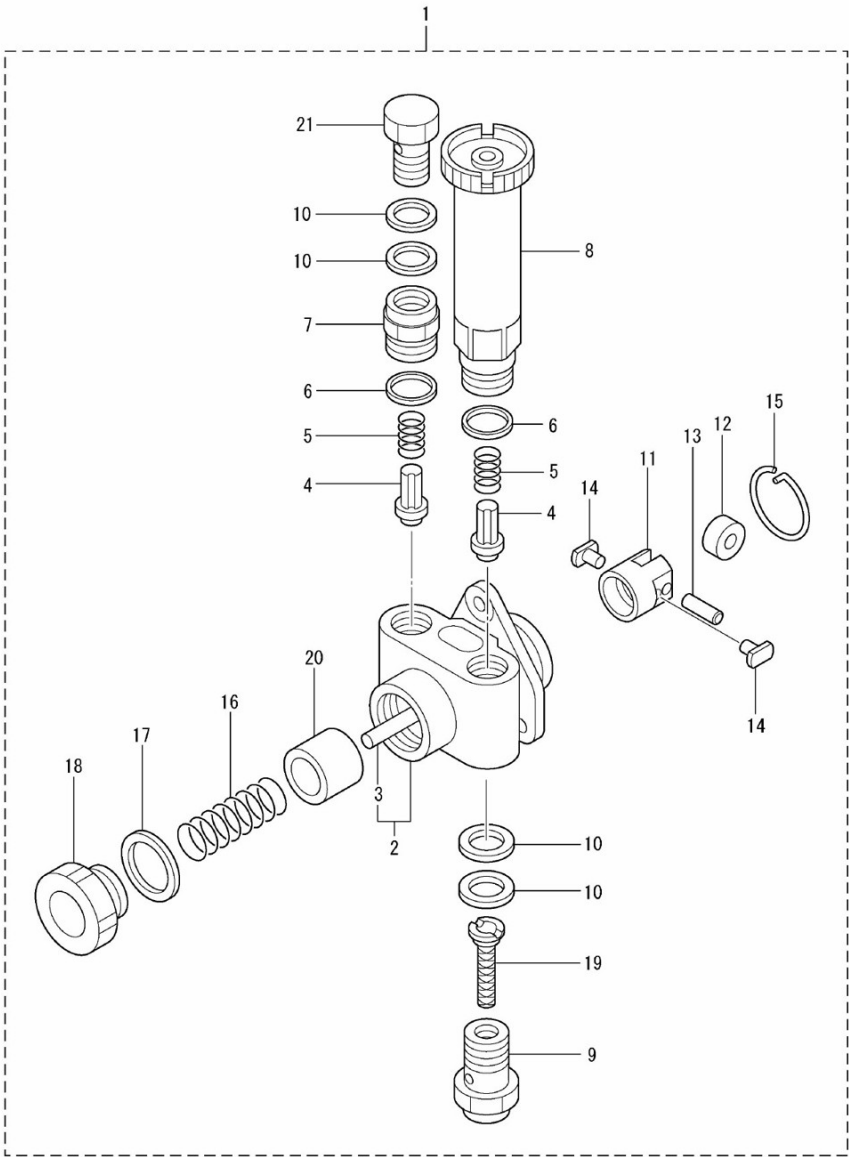
D_MI74_4_4		Governor Parts				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
59	17425202	1	Gasket			
60	17425215	1	Nut,HEXAGON			
61	17225025	2	Washer, Pipe Union			
62	17425214	1	O-Ring			
63	17425268	3	Nut,HEXAGON			
64	17425271	3	Bolt,Stud			
65	17425264	1	Stop SOLENOID			
66	17425280	1	Plate			
67	17425281	3	Bolt,W/Washer			
68	17425265	1	Cover			
69	52102156	2	Bolt DIN 933 M6-16 8.8			
70	17425283.1	1	Adapter			
71	17425267	1	Screw,Adapter			
72	17425284	1	SPRINT,GOverNOR			
73	17425283	1	Adapter			
74	17025033	1	Washer			
75A	17425285	0	Washer T=0.10	#		
75B	17425286	0	Washer T=0.25	#		
75C	17425287	0	Washer T=0.50	#		
75D	17425288	0	Washer T=0.20	#		
76	17425289	1	Washer			
77	17425292	1	Nut			
78	17419002	1	Lever, Morse			
79	14419023	1	Ball JOINT			
80	53033006	3	Washer GROWER DIN 127-6			
81	52120006	1	Nut DIN 934 M6 8.8			



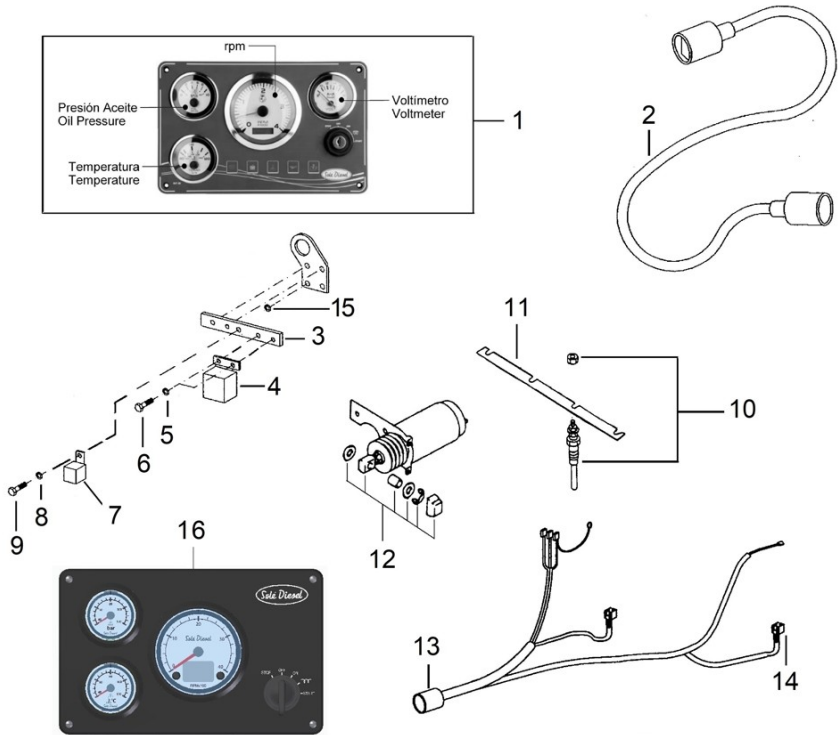
D_MI74_4_5						Fuel Filter
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	17424020	1	Fuel Filter Assy			
2	17424001	1	Bracket,Fuel Filter			
3	17414022	1	Fuel Filter Element MINI-74 SM-105			
4	17424003	2	Bolt,EYE			
5	17424008	4	Washer,SealING			
6	13324072	1	Plug			
7	13324011	1	Washer			
8	17424002	1	Bracket,Fuel Filter			
9	17121012	2	Bolt, w/washer			
10	17120062	2	Bolt,w/washer			
11	17424007	1	Hose,Fuel			
12	13324068	1	Hose			
13	17424026	1	Clamp,Pipe			



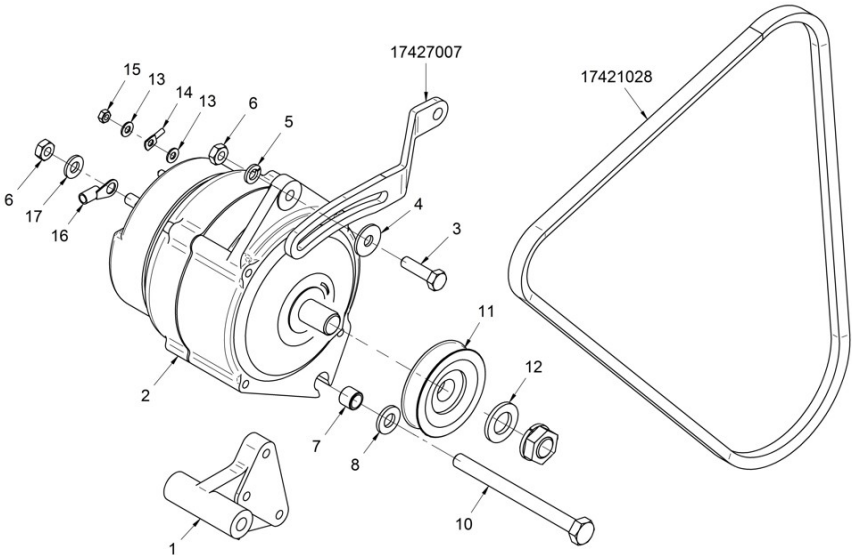
D_MI74_4_6		Feed Pump				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	13325100	1	Pump Feed			
2	13325107	1	Housing Feed Pump			
3	13325120	1	ROD,PUSH			
4	13325106	2	Valve			
5	13325105	2	Spring			
6	13325104	2	Washer			
7	13325103	1	Support			
8	17425102	1	Pump S/Assy,PRIMING			
9	13325112	1	Screw, Racord			
10	17425106	4	Washer,Pipe Union			
11	13325115	1	Tappet			
12	13325118	1	Roller			
13	13325117	1	Pin,Roller			
14	13325116	2	Block			
15	13325119	2	Ring			
16	13325110	1	Spring			
17	13325109	1	Washer			
18	13325108	1	Plug			
19	13325113	1	Filter			
20	13325111	1	Piston			
21	17425105	1	Srew,Hollow			
NS	17425121	1	Seal,Oil			



D_MI74_5_5		12V Electrical Wiring				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	60974130R	1	SVT 30 MINI-74/SM-105 Panel (Repl.)			04/03/2024
2	60938210.1	1	Engine Wiring Ext. 3 M. SUPERSEAL			
3	17417001	1	Support, Relay			
4	13827005	1	Glow Relay			
5	51030006	2	Washer DIN 125-6			
6	52102154	2	Bolt DIN 933 M6-10 8.8			
7	13817005	1	Relay 6V			
8	51030005	1	Washer DIN 125-5			
9	52102104	1	Bolt DIN 933 M5-10 8.8			
10	17127017	4	Plug, glow			
11	17427018	1	Plate Glow Plug			
12	17425264	1	Stop SOLENOID			
13	60974200	1	Wiring Electrical MINI-74 SVT			
14	60900136	1	Fuse 15A		03/11/2016	
15	51030008	1	Washer DIN 125-8			
16A	63974311NS	1	Panel SSG 30 MINI-74/SM-105/103 ETS 12V Black		04/03/2024	
16B	63974311BS	1	Panel SSG 30 MINI-74/SM-105/103 ETS 12V White		04/03/2024	

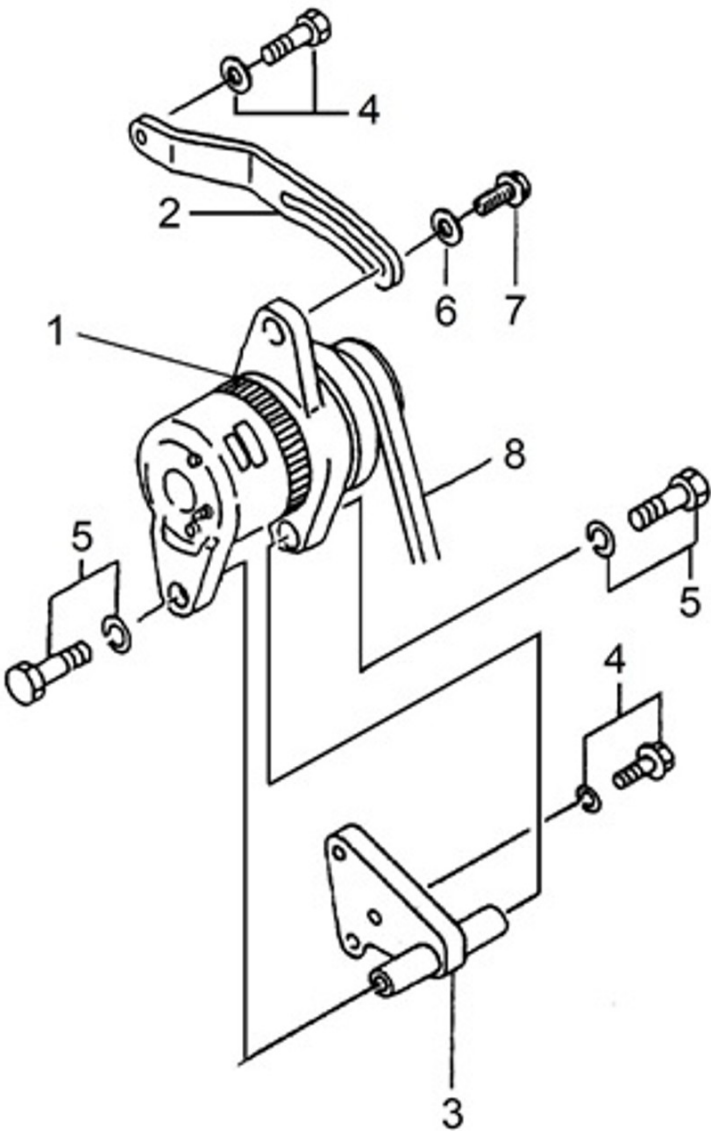


17417053 Kit Alternator 14V/95A ISKRA						
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	17427002.4	1	Bracket, Alternator 14V/95A			
2	17417026	1	Alt. 14V/95A			
3	52102259	1	Bolt DIN 933 M8-30 8.8			
4	51031008	1	Washer DIN 9021 8			
5	53033008	1	Washer GROWER DIN 127-8			
6	52120008	2	Nut DIN 934 M8 8.8			
7	17417025	1	Spacer 13.5x10.2x11			
8	53038010	1	Washer DIN 6798-A 10			
10	52101325	1	Bolt DIN 931 M10-120 8.8			
11	17117016.7	1	Pulley			
12	13817016	1	Spacer 17X28X4			
13	51030005	2	Washer DIN 125-5			
15	52120005	1	Nut DIN 934 M5 8.8			
16	TR.10.8	1	Ring Terminal 10 Sec.			
17	51030008	1	Washer DIN 125-8			

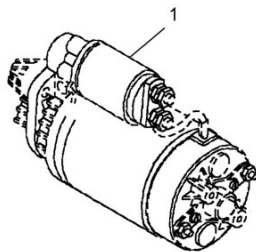


D_MI74_5_1 Kit Alternator 14V/110A

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	17417019P	1	ALT.110A/14V With Pulley			
2	17427007	1	Plate,Adjusting			
3	17427002.2	1	Bracket,Alternator			
4	17121012	2	Bolt, w/washer			
5A	52202309	2	Bolt DIN 933 M10-1,25-30 8.8			
5B	53038010	2	Washer DIN 6798-A 10			
6	51031008	1	Washer DIN 9021 8			
7	13827012	1	Bolt			
8	60574028	1	V-Belt			

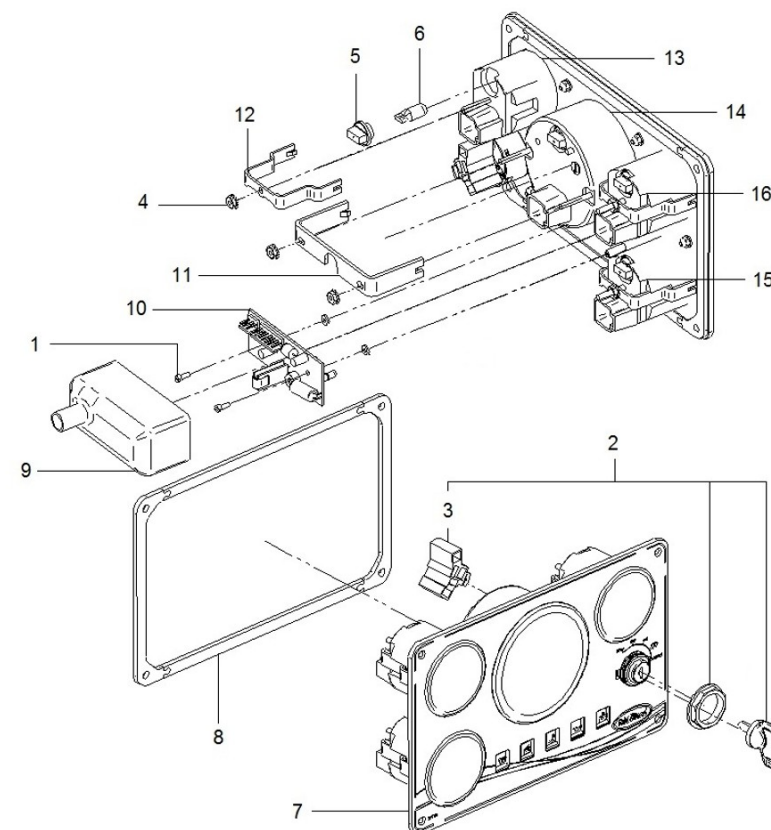


D_MI74_5_3 Starter					
Fig.	Ref.	Qty.	Descr.	Obs	From UpTo
1	17427001G	1	Starter Assy 12 V		
NS	51030008	1	Washer DIN 125-8		



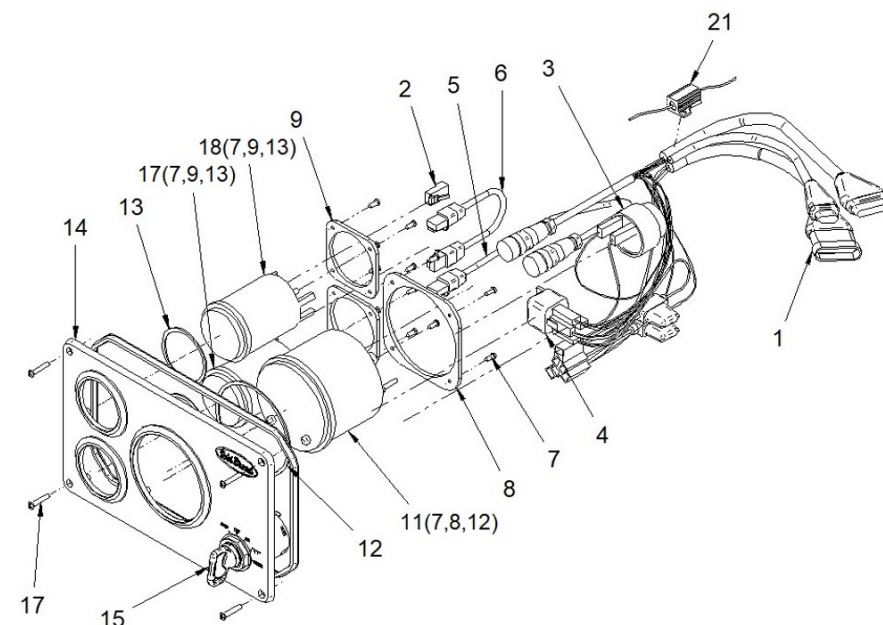
D_60974130 SVT 30 MINI-74/SM-103/105L Panel

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	54108003	2	Bolt DIN 84 M3-8 INOX.			
2	60900037	1	Key-Locking			
3	60900037.2	1	Connector			
4	60900910.2	5	Fixing Nut Gauge+Terminal			
5	60900931	4	SOCKET,WEDGE BASE			
6	60900929	4	Bulb 12V			
7	60990005.1	1	Panel N.3			
8	60990006.1	1	Gasket Panel			
9	60900096	1	Cover Plate for Motor Propeller			
10	60900301.2	1	Integrated Circuit Plate 12V Protection			
11	60900910.1	1	Revolution Counter Fixing Bracket			
12	60900915.2	3	Gauge Fixing Bracket			
13	60900941	1	Voltmeter VT 12V			
14	60974911	1	Revol. Counter VT 12V MINI-74 SM-105			
15	60900937	1	Thermometer VT 12V			
16	60900939	1	Pressure Gauge VT 12V			
NS	60900091	1	MICRO Relay 12V 12-20			
NS	60910014	1	System Back Panel SVT/MVT 30 12V		07/12/2016	

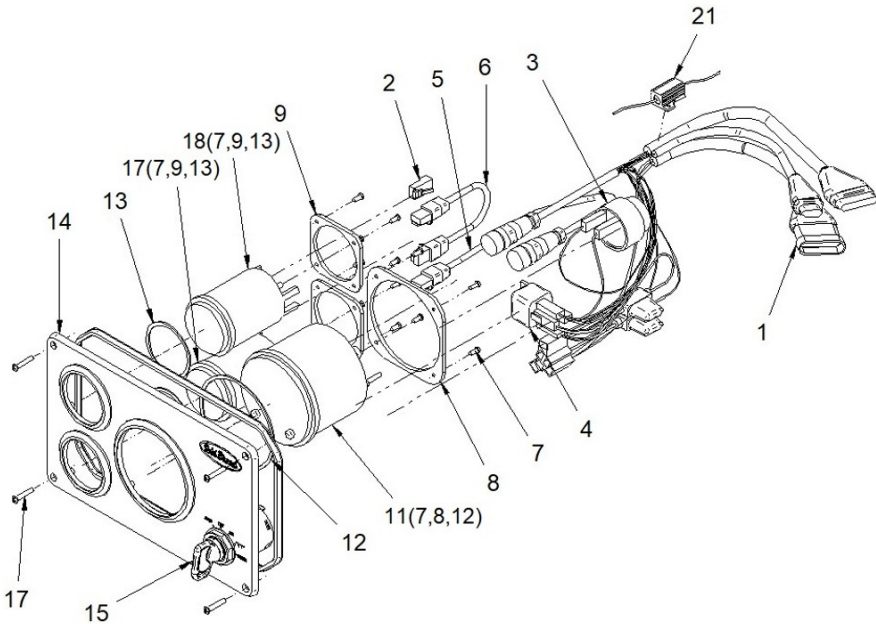


D_1633 Panel SSG 30 Spare Parts

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	63900032	1	Electrical Installation Panel SSG Master			
2	63900026	1	CAN RJ45 Bus End Resistor			
2	63900037	1	CAN RJ45 Bus End Resistor CAN M12-5pin NMEA2000			
3	60900060	1	Alarm, Buzzer			
4A	63900028	1	Relay 12V 20/30A NO+NC			
Figure A for 12V System						
4B	63900029	1	Relay 24V 10/20A NO+NC			
Figure b for 24V System						
5	63900025	1	M12-5 Pin To Connector RJ45 0.2m SG			
6	63900027	1	Ethernet Cable RJ45 0.2m			
7	5191B003	12	Bolt CL81Z 3.1X8			
8	63900007	1	SG D.85 Tachometer Bracket			
8	63900008	2	SG D.52 Watch Support			
11A	63938001BSR	1	Revolution Counter SG Solé MINI-17/29 White			
11B	63938001BNR	1	Revolution Counter SG Solé MINI-17/29 Black			
11C	63972001BSR	1	Revolution Counter SG Solé MINI-33/44/55 White			
11D	63972001BNR	1	Revolution Counter SG Solé MINI-33/44/55 Black			
11E	639A0001BSR	1	Revolution Counter SG Solé SK-60 White			
11F	639A0001BNR	1	Revolution Counter SG Solé SK-60 Black			
11G	63971001BSR	1	Revolution Counter SG Solé MINI-62 White			
11H	63971001BNR	1	Revolution Counter SG Solé MINI-62 Black			
11I	63974001BSR	1	Revolution Counter SG Solé MINI-74/SM-105/103 White			
11J	63974001BNR	1	Revolution Counter SG Solé MINI-74/SM-105/103 Black			
11K	63978001BSR	1	Revolution Counter SG Solé SM-82/94 White			
11L	63978001BNR	1	Revolution Counter SG Solé SM-82/94 Black			
11M	63994001BSR	1	Revolution Counter SG Solé SDZ-165/205/280 White			
11N	63994001BNR	1	Revolution Counter SG Solé SDZ-165/205/280 Black			
12	63900009	1	Silicone Tachometer Gasket SG 94x84x1 Frontal			
13	63900010	2	Silicone Watch Gasket SG 54x48x1 Frontal			
14	63900014	1	SSG 30 Panel Solé Diesel			
15	60900037	1	Key-Locking			



D_1633 Panel SSG 30 Spare Parts					
Fig.	Ref.	Qty.	Descr.	Obs	From UpTo
17	51918057	4	Bolt DIN 7981 3,9-22		
18A	63900003BSR	1	Pressure Gauge SG Solé Master White		
18B	63900042NSR	1	Pressure Gauge SG Solé Master Black		
19A	63900002BSR	1	Temperature Gauge SG Solé Master White		
19B	63900041NSR	1	Temperature Gauge SG Solé Master Black		
20	63900018	1	Gasket Panel SSG30		
21A	61100000	1	Resistance 12V 18 Ohm with Connectors Panel SG		
Figure A for 12V System					
21B	61100001	1	Resistance 24V 75 Ohm with Connectors Panel SG		
Figure b for 24V System					
22	63900040	1	Buzzer Bracket		
23	53033005	2	Washer GROWER DIN 127-5		
24	52120004	2	Nut DIN 934 M4 8.8		
NS	LLAVERO.1A	1	Floating Keyring Solé Diesel		

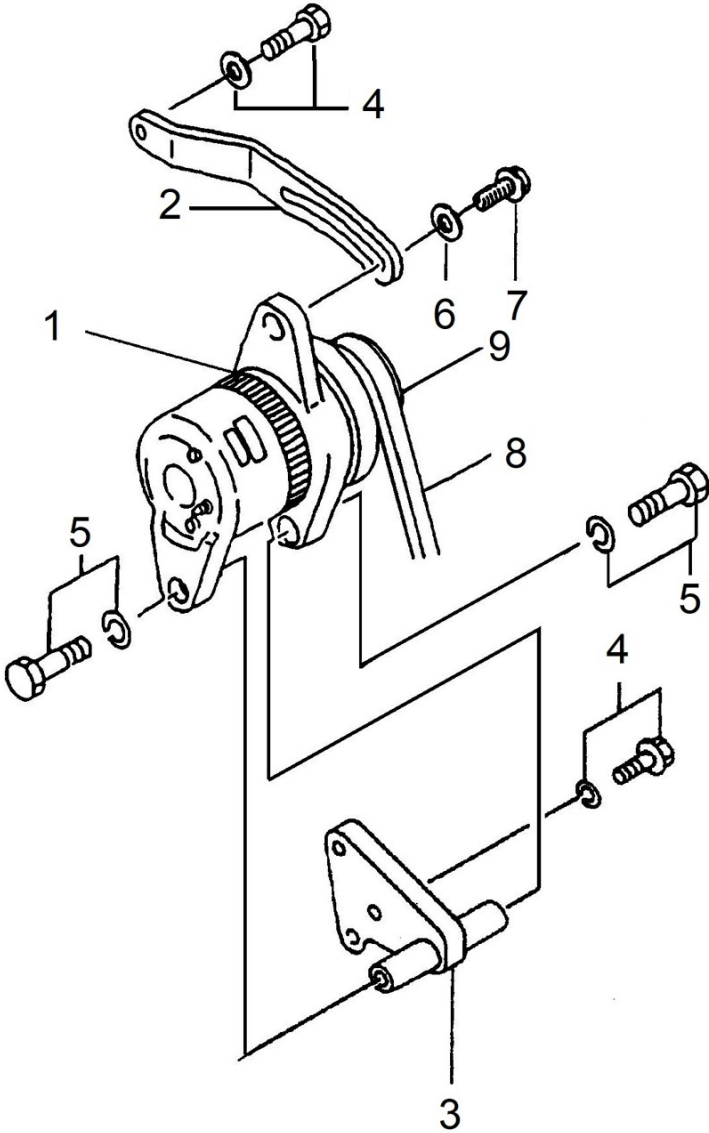


D_ALARPRO_1		Engine Extension				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1A	60938210.1	1	Engine Wiring Ext. 3 M. SUPERSEAL			
1B	60985210.1	1	Engine Wiring Ext. 4 M. SUPERSEAL			
1C	60938211	1	Engine Wiring Ext. 8 M. SUPERSEAL			
1D	60985210.12.1	1	Engine Wiring Ext. 12 M. SUPERSEAL			
1E	60985210.15.1	1	Engine Wiring Ext. 15 M. SUPERSEAL			
1F	60985210.24.1	1	Engine Wiring Ext. 24 M. SUPERSEAL			
1G	60974552	1	3-way Wiring Wxtension for Auxiliary Kits 4 m			
1H	60900165	1	3-way Wiring Extension for Auxiliary Kits 6 m			
1I	60900166	1	3-way Wiring Extension for Auxiliary Kits 12 m			
1J	60900167	1	3-way Wiring Extension for Auxiliary Kits 24 m			

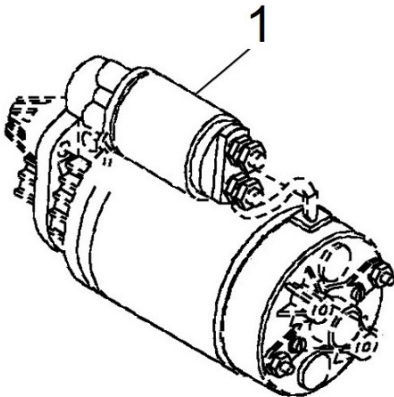


D_MI74_6_1 Alternator 28V/55A

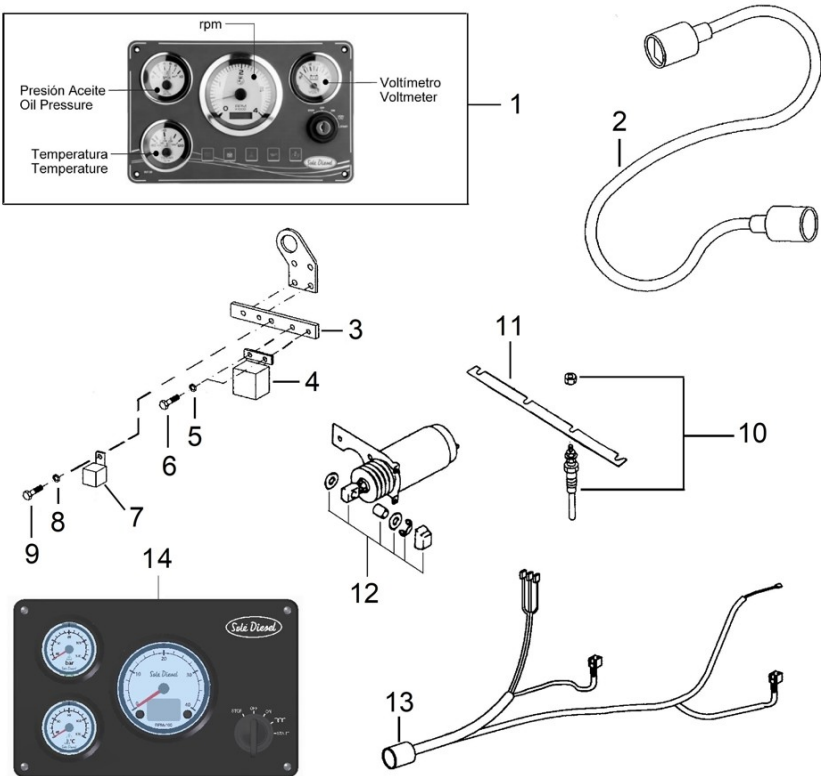
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	17417024	1	Alternator 28V/55A			
2	17427007	1	Plate,Adjusting			
3	17427002.2	1	Bracket,Alternator			
4	17121012	2	Bolt, w/washer			
5A	52202309	2	Bolt DIN 933 M10-1,25-30 8.8			
5B	53038010	2	Washer DIN 6798-A 10			
6	51031008	1	Washer DIN 9021 8			
7	13827012	1	Bolt			
8	17521028	1	Belt Type AX 45 1175			
9	17117022	1	Pulley Alternator, Type A		18/07/2017	
9	17417022	1	Pulley			18/07/2017



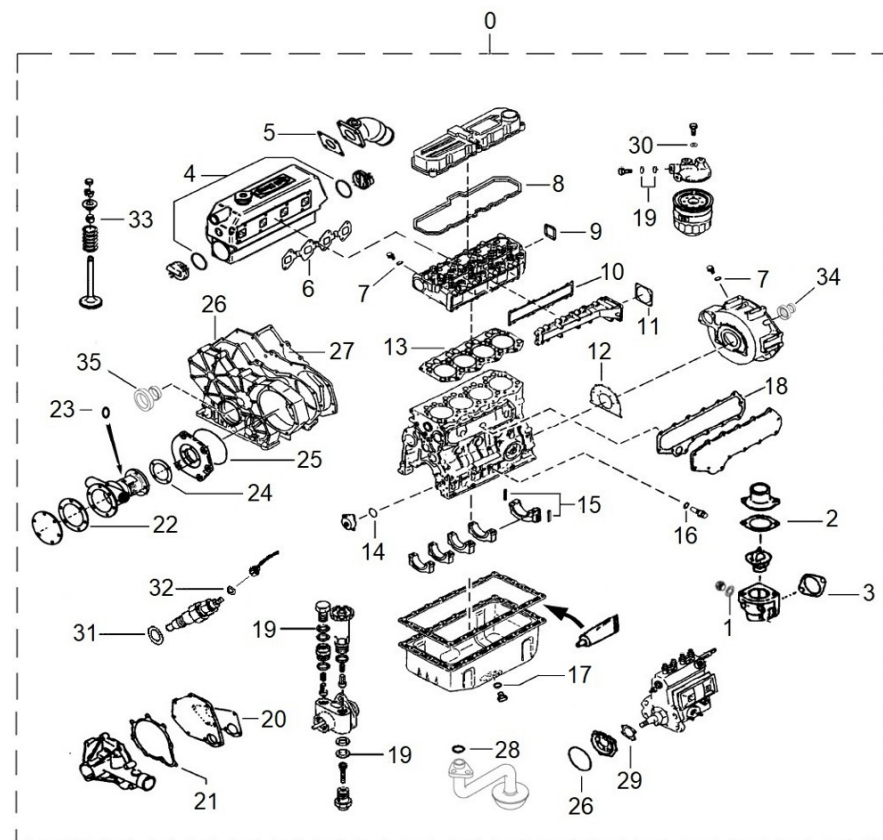
D_MI74_6_3 Starter					
Fig.	Ref.	Qty.	Descr.	Obs	From UpTo
1	17527001.2	1	Starter Assy 24V		



D_MI74_6_5		24V Electrical Wiring			
Fig.	Ref.	Qty.	Descr.	Obs	From UpTo
1	60975130R	1	SVT 30 MINI-74/SM-105 24V Panel (Repl.)		04/03/2024
2	60985210	1	Engine Wiring Ext. 4 M.		
3	17417001	1	Support, Relay		
4	17417005	1	Relay 24V 24-100		
5	51030006	1	Washer DIN 125-6		
6	52102154	2	Bolt DIN 933 M6-10 8.8	17/11/2016	
6	52102156	2	Bolt DIN 933 M6-16 8.8		16/11/2016
7	17417005.1	1	Relay 24V 24-22A		
8	51030005	1	Washer DIN 125-5		
9	52102104	1	Bolt DIN 933 M5-10 8.8		
10	17527017.2	4	Glow Plug 24V		
11	17427018	1	Plate Glow Plug		
12	17525264.2	1	Stop Solenoid 24V		
13	60974200R.2	1	Inst. Elect. MINI-74 ISKRA		
14A	63974321NS	1	Panel SSG 30 MINI-74/SM-105/103 ETS 24V Black	04/03/2024	
14B	63974321BS	1	Panel SSG 30 MINI-74/SM-105/103 ETS 24V White	04/03/2024	

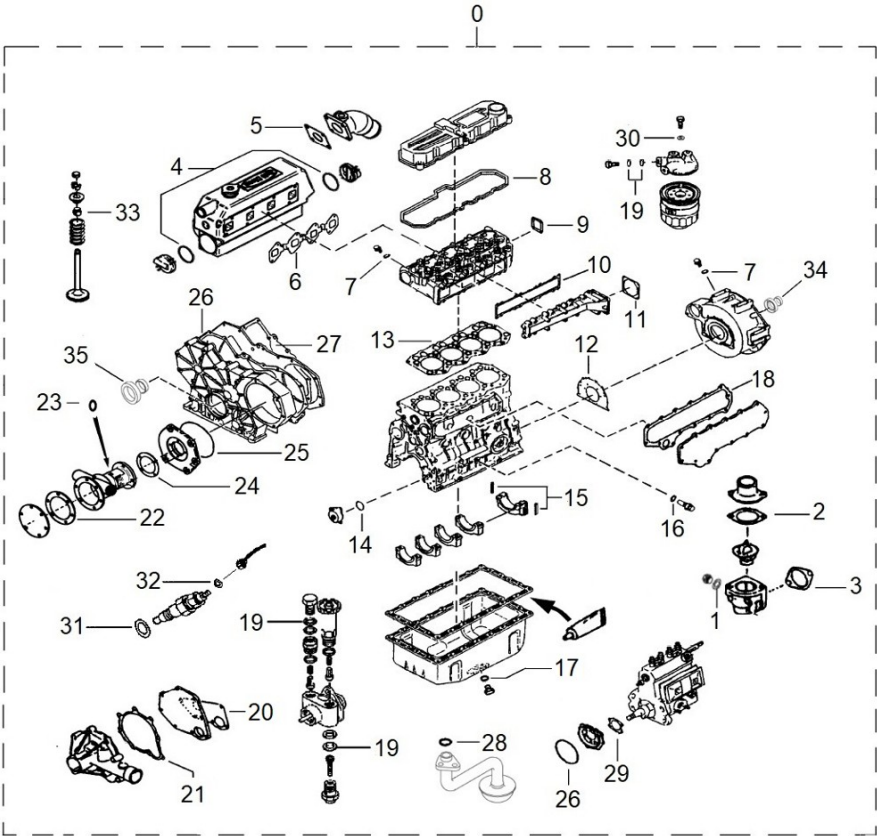


D_17420101 Gasket Kit						
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
0	17420101	1	Gasket Kit			
1	56000073	1	Copper Washer 16-23-1,5			
2	17111021	1	Gasket			
3	13321014	1	Gasket			
4	18011008	2	O-Ring D. 72X3			
5	16513002	1	Exhaust Elbow Gasket			
6	17421035	1	Gasket,Exhaust Manifold			
7	17121013	2	Gasket			
8	17421010	1	Rocker Cover Gasket			
9	17421011	1	Gasket			
10	17421032	1	Gasket IN.MANIFOLD			
11	17421042	1	Gasket			
12	17420025	1	Gasket,Rear			
13	17421004	1	Gasket,Cylinder Head			
14	17424055	1	O-Ring D. 60X2			
15	17420112	2	Seal,Valve			
16	17424063	1	Gasket			
17	56000069	2	Washer 14-20-1,5			
18	17424062.1	1	Gasket,Side Cover			
19	17424008	8	Washer,Sealing			
20	17421041	1	Gasket,Side Cover			
21	17421022	1	Gasket,Pump Cover			
22	34711003	1	Gasket Cover			
23	33311013	1	O-Ring D. 15X2			
24	13310013	1	Gasket,water pump			
25	17420047	2	O-Ring D. 140X2			
26	17420040	1	Gasket,Gear			
27	17420018	1	Gasket,Front Plate			
28	17424060	1	O-Ring D. 22X2,4			
29	17425028	1	Gasket			
30	13324011	1	Washer			



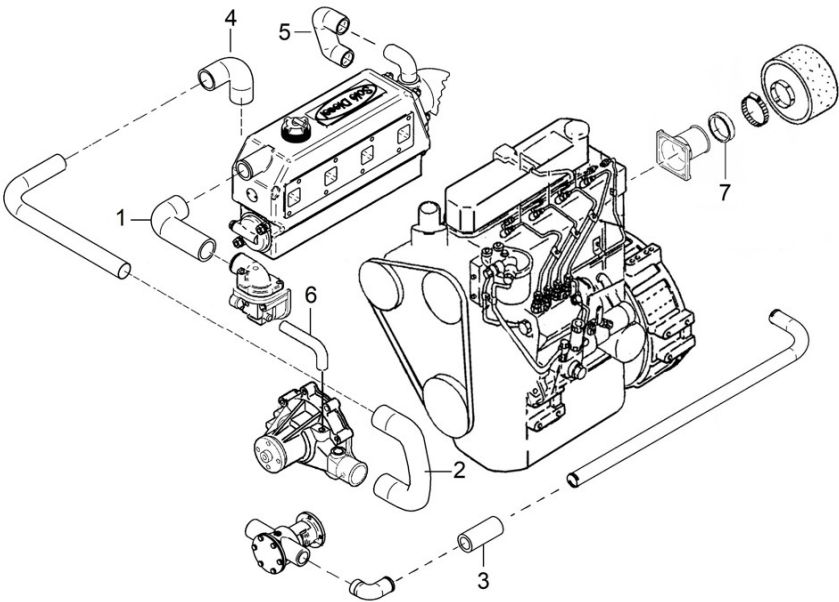
D_17420101 Gasket Kit					
Fig.	Ref.	Qty.	Descr.	Obs	From UpTo

31	13824013	4	Injector Washer		
32	17424025G.1	4	Gasket Fuel Return (Genset)		
33	17422054	8	Seal,Valve Stem		
34	13320063	1	Seal Oil		
35	17420039.1	1	Seal Assy,Oil		



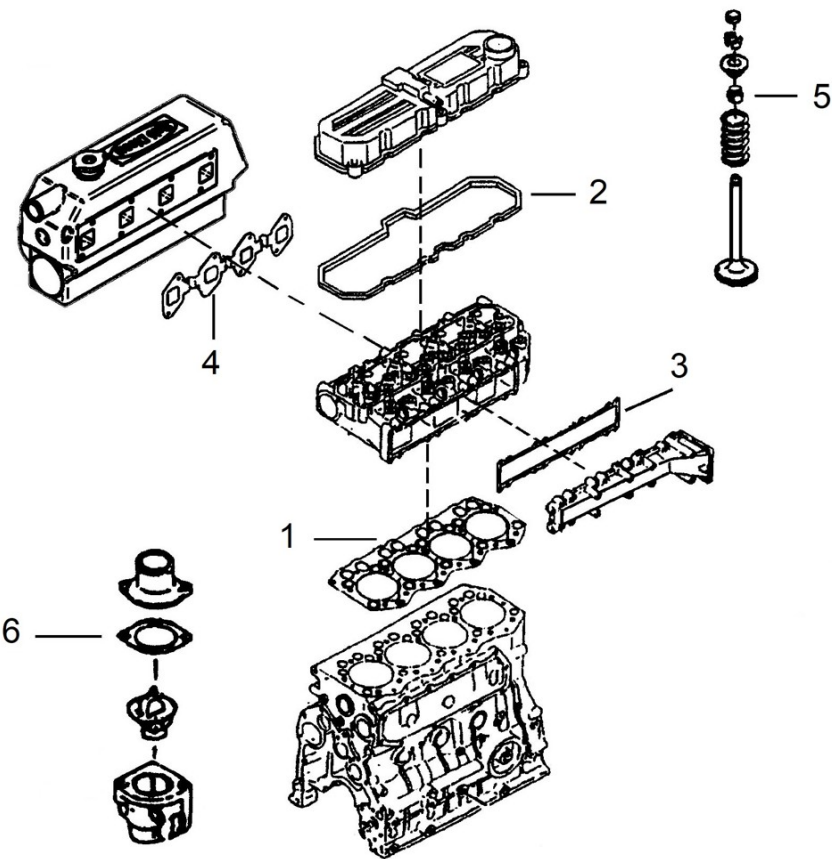
17411100 Pipe Rubber Set,Water Line

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	17411013	1	Thermostat Water Outlet Elbow			
2	16711016	1	Rubber Elbow			
3	13211036	1	Pipe 30-40-100			
4	15211026	1	Elbow,rubber			
5	17411034	1	Hose			
6	17421025	1	Hose,BY-PASS			
7	17410032	1	Ring			



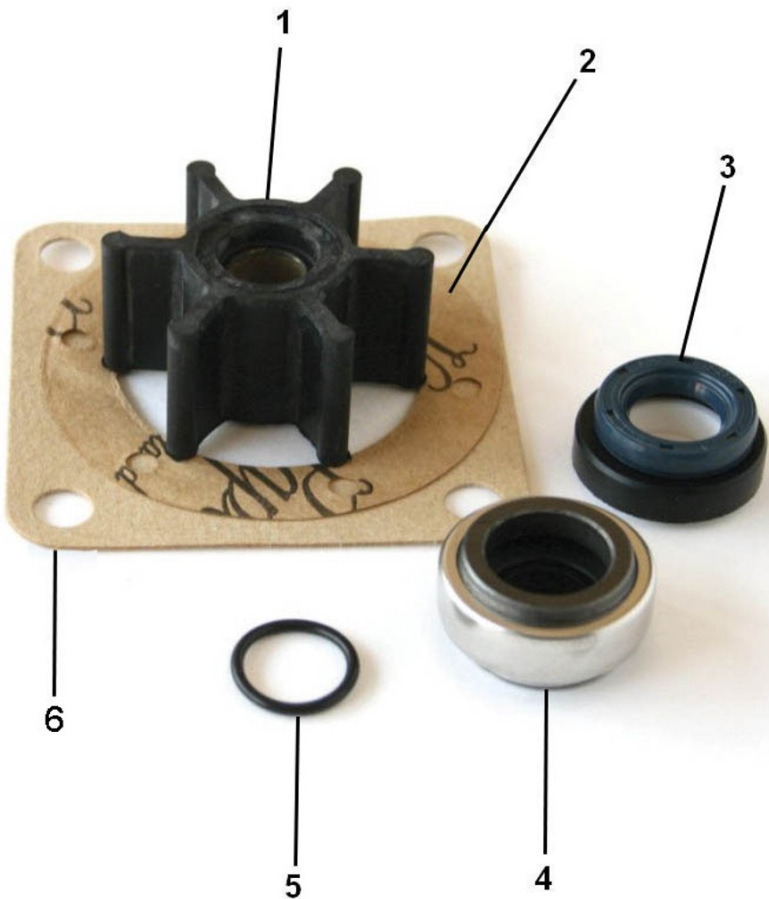
17420101.1 Gasket Kit MINI-74/74G

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	17421004	1	Gasket,Cylinder Head			
2	17421010	1	Rocker Cover Gasket			
3	17421032	1	Gasket IN.MANIFOLD			
4	17421035	1	Gasket,Exhaust Manifold			
5	17422057	8	Seal, Valve Stem			
6	17111021	1	Gasket			



36511000K Repair Kit Water Pump 1"

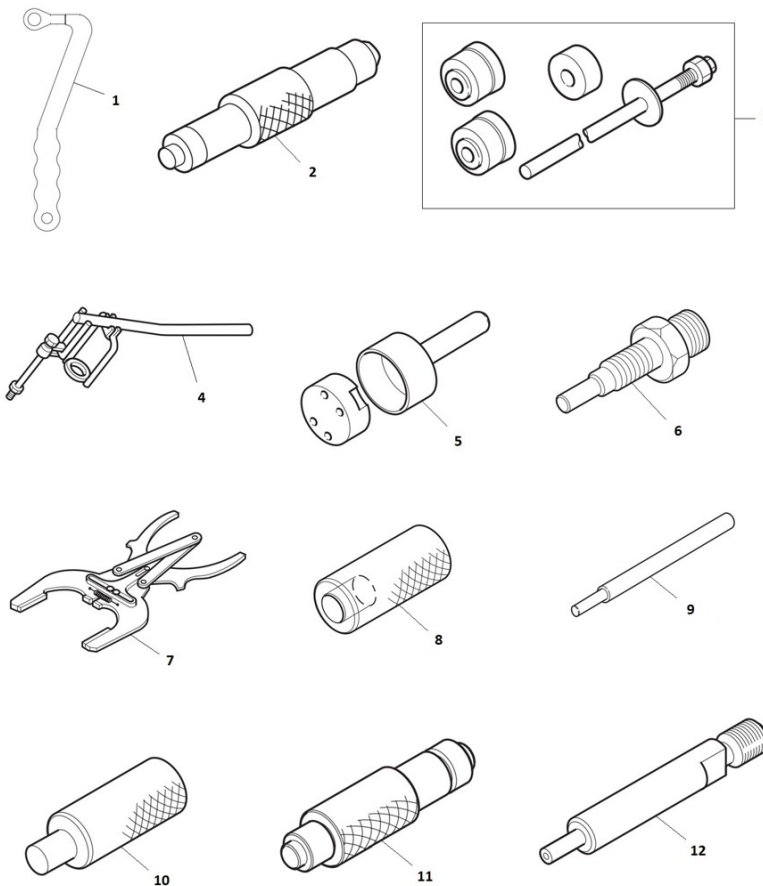
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	34711008	1	1" Impeller			
2	34711003	1	Gasket Cover			
3	36511020	1	Seal 16-30-7			
4	36511019	1	Seal			
5	33311013	1	O-Ring D. 15X2			
6	13310013	1	Gasket,water pump			



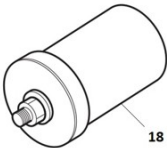
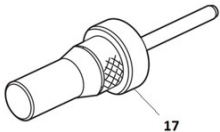
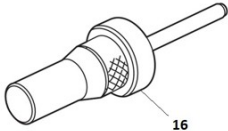
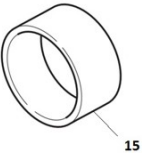
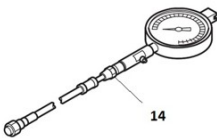
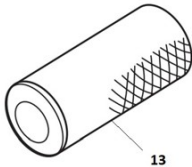
D_UTILFA0960_1

Special Tools

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	13811063	1	Refrigerator Mounting Key			
2	U3009107300	1	Idler Bushing Installer			
3	U3069100010	1	Camshaft Bushing Installer Set			
4	U3069104500	1	Valve Spring Pusher			
5	U3069113010	1	Oil seal sleeve installer set			
6	U3069121100	1	Gauge Adapter			
7	UMM74007	1	Piston Ring Pliers			
8	U32A9100100	1	Valve Guide Installer			
9	U32A9100300	1	Valve Guide Remover			
10	U32A9100400	1	Oil Pump Bushing Installer			
11	U32A9100500	1	Connecting rod bushing puller			
12	U32A9101100	1	Gauge adapter (direct injection)			

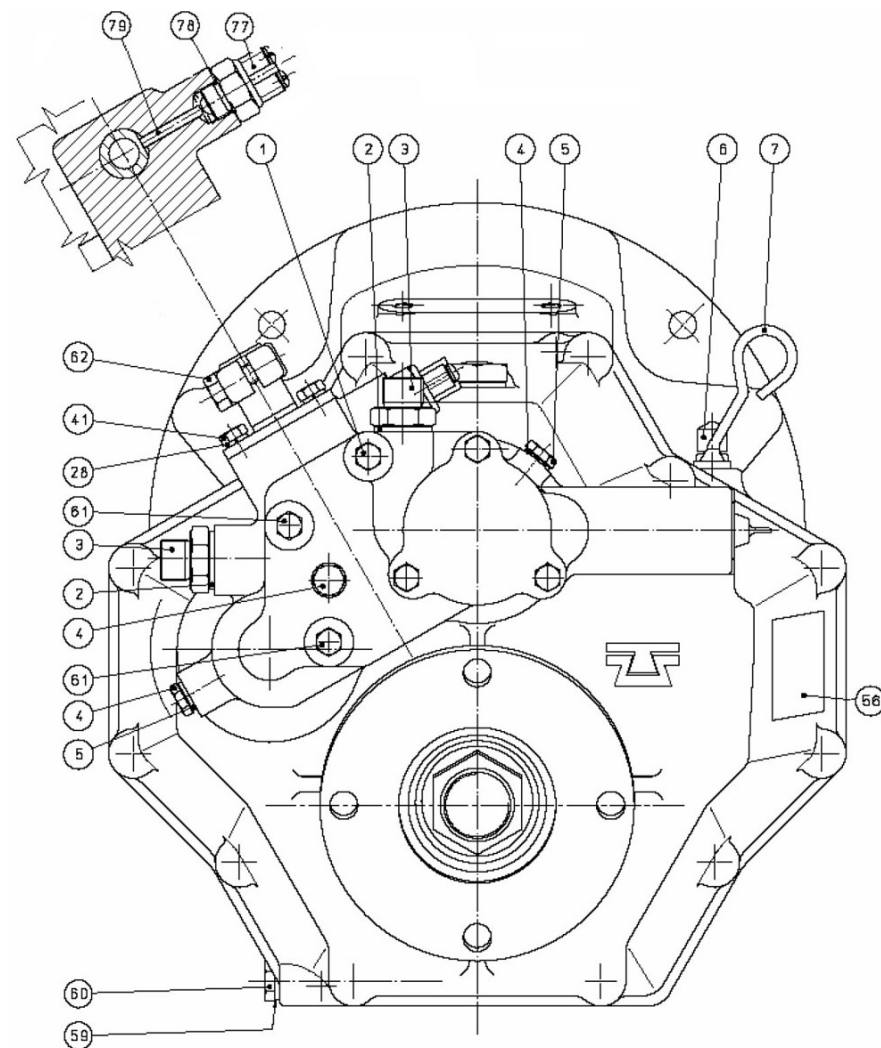


D_UTILFA0960_2		Special Tools				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
13	U32A9110200	1	Stem Seal Installer			
14	19440400.2	1	Compression Manometer 10-60 Bar			
15	U3449100200	1	Piston Installer			
16	U3449103020	1	Valve Sheet Insert Caulking Tool			
17	U3679100200	1	Valve Sheet Insert Caulking Tool			
18	UMH061077	1	Idler Shaft Puller			

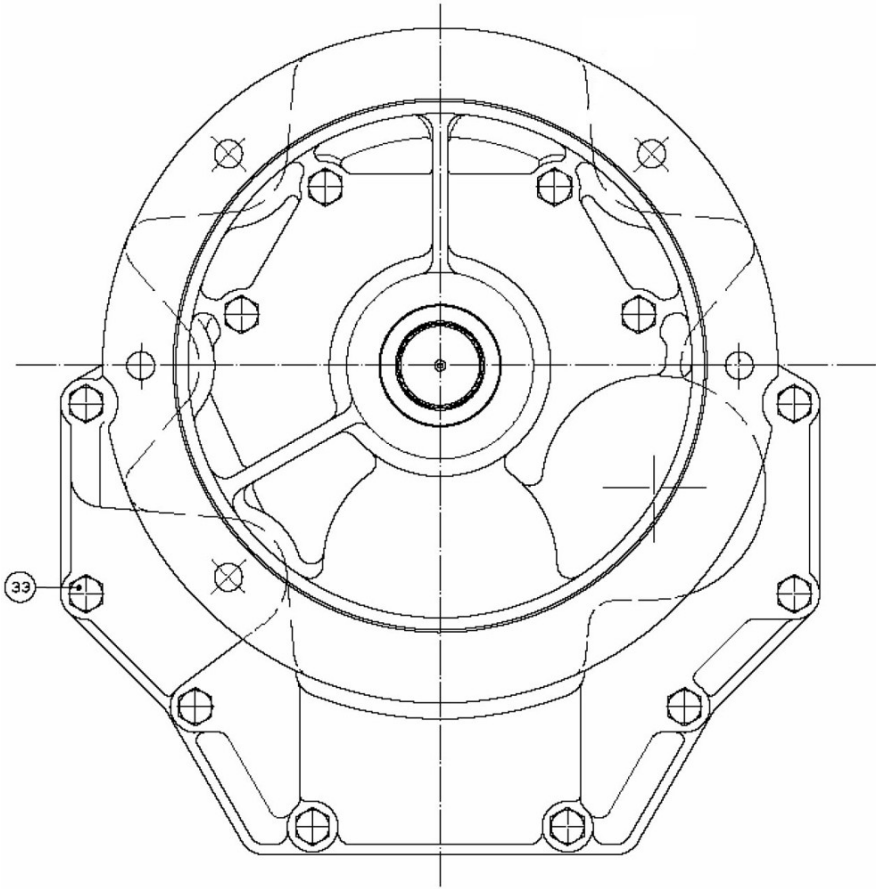


D_5023_1 Sheet 1/4

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	24850091	1	Screw			
2	24850092	3	Washer			
3	24850090	2	Washer			
4	24820068	3	Plug M8X1			
5	56000057	3	Washer 8-13-1,5			
6	24810065	1	Plug			
7	24850008	1	Gauge Oil LEVEL			
26	24850028	11	Screw			
41	52102156	5	Bolt DIN 933 M6-16 8.8			
56	24850005	1	Plate, IDENTIFICATION			
59	24810063	1	Plane Washer			
60	24850011	1	Plug,oil drain			
61	52102158	2	Bolt DIN 933 M6-25 8.8			
62	52102258	1	Bolt DIN 933 M8-25 8.8			
77	24810532	1	SWITCHER			
78	24810533	1	O-Ring D. 14X1,7			
79	24850527	1	Pin			

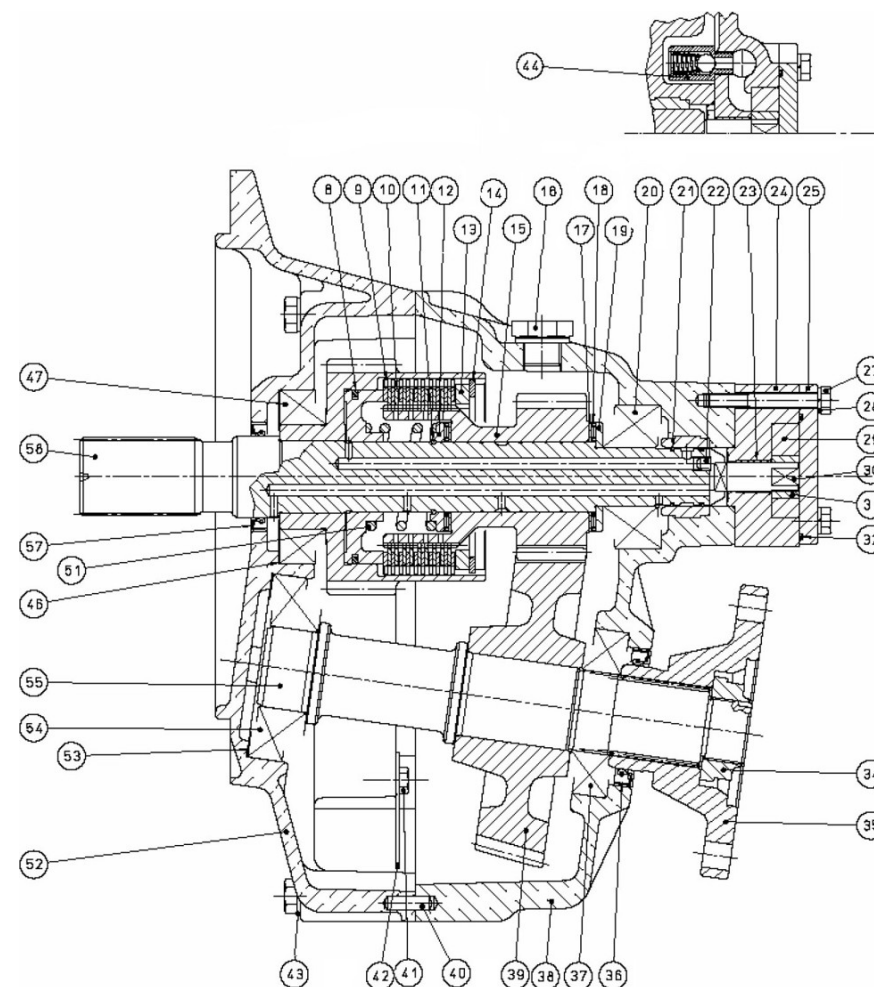


D_5023_2		Sheet 2/4			
Fig.	Ref.	Qty.	Descr.	Obs	From UpTo
33	24830113	1	Screw		



D_5023_3 Sheet 3/4

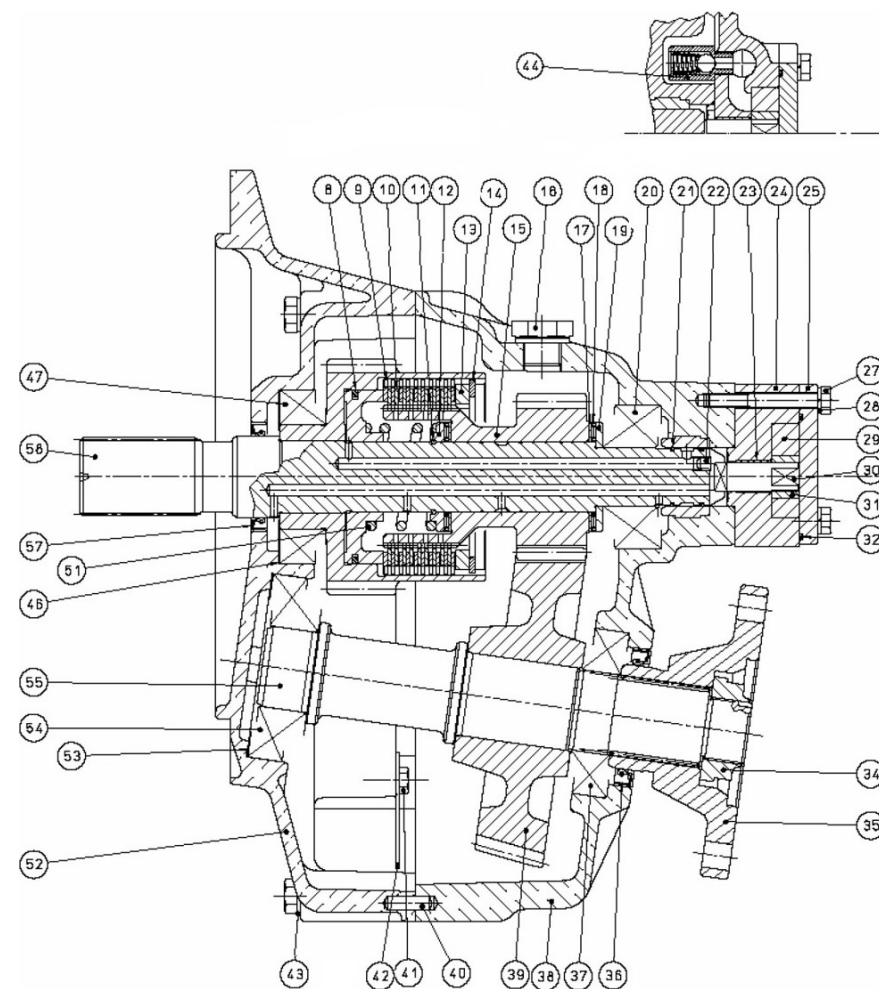
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
8	24850323	2	Washer			
11	24850310	2	Ring			
12	24850307	2	Ring			
13	24850333	2	Spacer			
14	24850312	2	SEGER			
15A	24852203	1	Gear R. 1,54 TM 345			
15B	24853203	1	Gear R. 2 TM 345			
15C	24854203	1	Gear R. 2,47 TM 345			
16	24850012	1	Plug			
17	24850318	4	Ring			
18	24850306	4	Bearing, needle			
19	24850325	2	Washer			
20	24850308	2	Conical Roller Bearing 32305			
21	24850328	4	Washer			
22	24810326	2	Plug			
23	24850016	1	Bushing			
24	24850020	1	PUMB Box			
25	24850015	1	Pump Cover			
27	24850029	3	Screw			
28	53033006	9	Washer GROWER DIN 127-6			
29	24850095	1	Gear, Pump Out			
30	24850094	1	Pump Shaft			
31	24850096	1	Gear, Pump INNER			
32	24850097	1	O-Ring D. 50X1,7			
34	24850099	1	Nut			
35	24850224	1	Flange, Output TM-345			
36	24840103	1	Grommet			
37	24850212	1	Conical Roller Bearing 30207A			
38	24850001	1	Front Body TM-345			
39A	24852210	1	Gear R. 1,54 TM 345			
39B	24853210	1	Gear R. 2 TM 345			



D_5023_3

Sheet 3/4

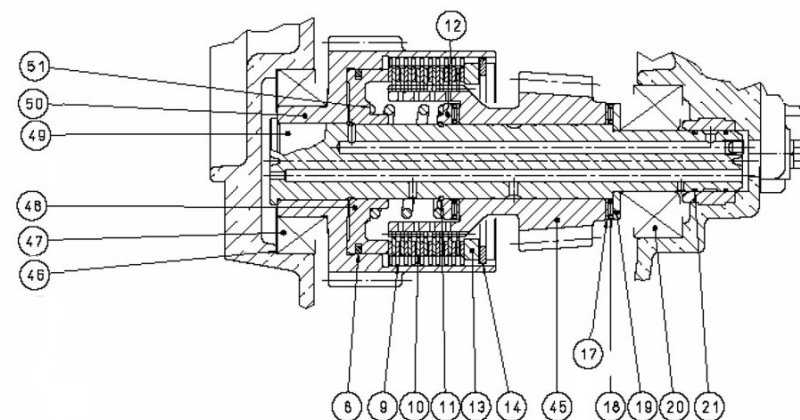
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
39C	24854210	1	Gear R. 2,47 TM 345			
40	24850013	2	Pin			
42	24850080	1	Plate Pipe			
43	24850093	12	Washer			
44	24850063	1	By pass Valve			
46	24850108	6	Shim Adjusting			
47	24850104	2	Conical Roller Bearing 32009-X			
51	24850122	2	Spring			
52	24850207	1	Cover TM-345			
53	24810333	3	Spacer			
54	24850206	1	Conical Roller Bearing 31307A			
55	24850201	1	Output Shaft			
57	24810103S	1	Grommet, Oil SILICON			
58	24850101	1	Input Shaft			



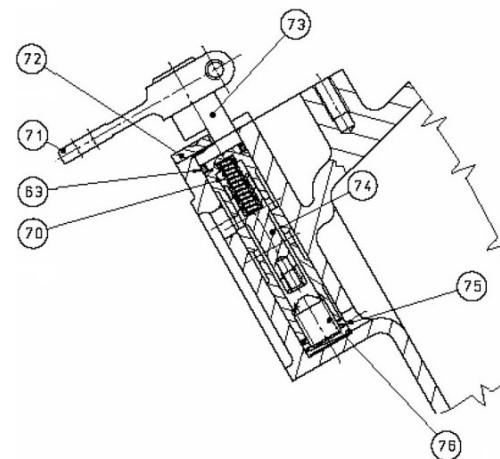
D_5023_4

Sheet 4/4

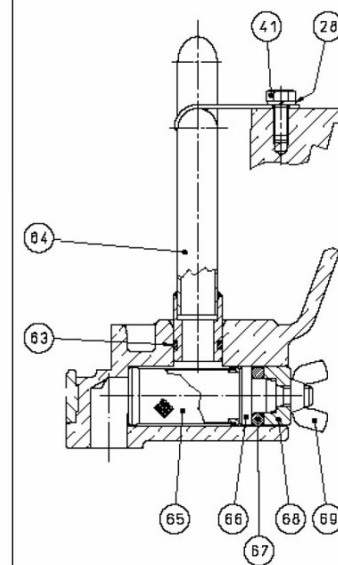
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
45A	24852203	1	Gear R. 1,54 TM 345			
45B	24853203	1	Gear R. 2 TM 345			
45C	24854203	1	Gear R. 2,47 TM 345			
48	24850124	2	Piston			
49	24850301	1	INTERMEDIATE Shaft			
50	24850330	1	Bell			
63	24810045	2	O-Ring D. 15,08X2,62			
64	24850081	1	Aspiration Tube			
65	24810035	1	Oil Filter			
66	24850085	1	Pin			
67	24850059	1	O-Ring D. 50X5,3			
68	24850076	1	Spacer			
69	24850057	1	Nut			
70	24850030	1	Spring			
71	24810424	1	Lever			
72	24810041	1	Support			
73	24850062	1	Selector Valve			
74	24850052	1	Valve			
75	24850078	1	Spring			
76	24850079	1	Screw			



INTERMEDIATE SHAFT ASSEMBLY

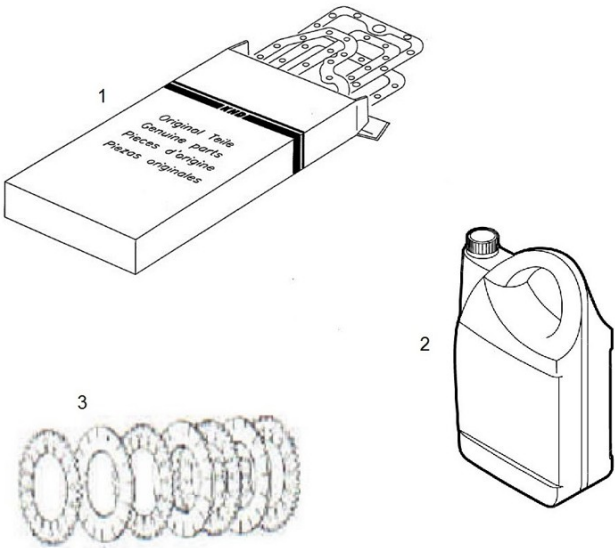


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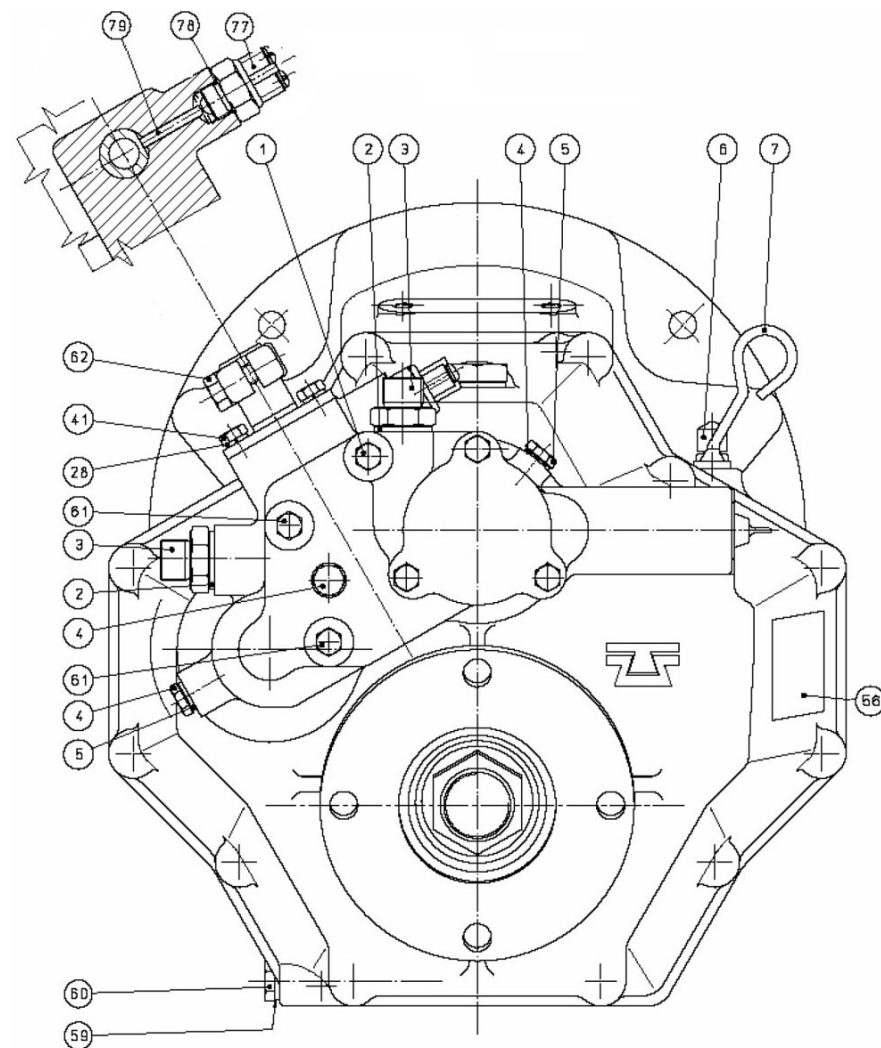
OIL FILTER ASSEMBLY

D_5023_5		Maintenance Kit				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	24850401	1	Kit Gasket			
1	24850401	1	Kit Gasket			
2	A0105000	1	15W40 Sole Diesel Oil 5L			
2	A0105000	1	15W40 Sole Diesel Oil 5L			
3	24850403	2	Clutch Plate Kit			
3	24850403	2	Clutch Plate Kit			

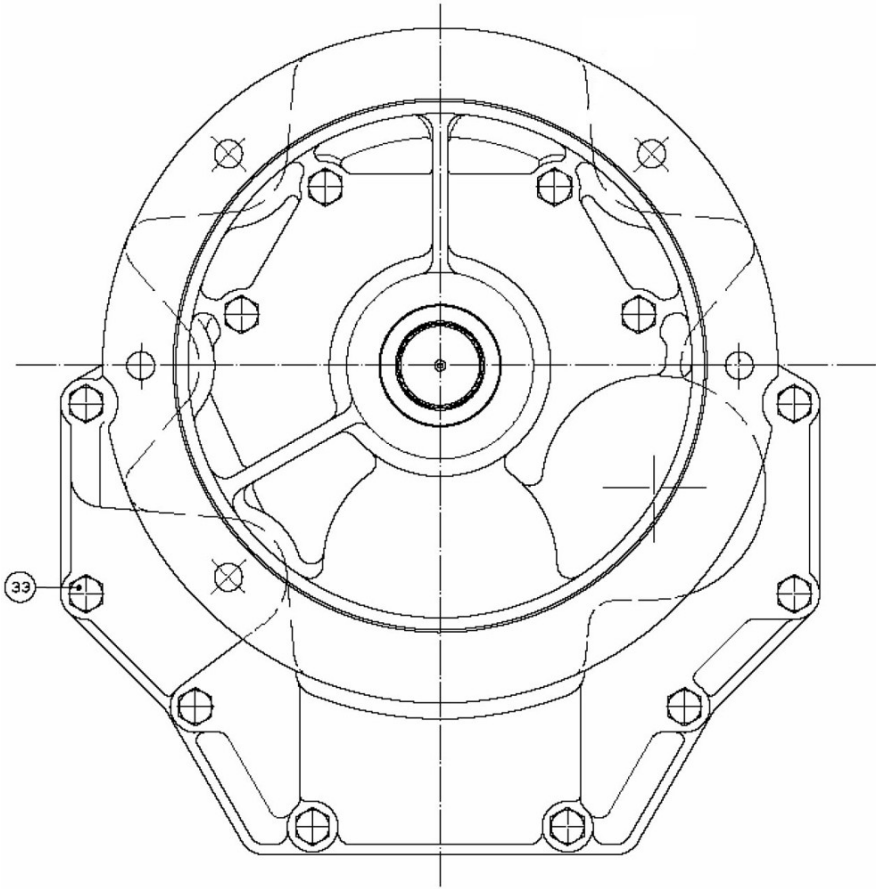


D_5024_1 Sheet 1/4

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	24850091	1	Screw			
2	24850092	3	Washer			
3	24850090	2	Washer			
4	24820068	3	Plug M8X1			
5	56000057	3	Washer 8-13-1,5			
6	24810065	1	Plug			
7	24850008	1	Gauge Oil LEVEL			
26	24850028	11	Screw			
41	52102156	3	Bolt DIN 933 M6-16 8.8			
56	24850005	1	Plate, IDENTIFICATION			
59	24810063	1	Plane Washer			
60	24850011	1	Plug,oil drain			
61	52102158	2	Bolt DIN 933 M6-25 8.8			
62	52102258	2	Bolt DIN 933 M8-25 8.8			
77	24810532	1	SWITCHER			
78	24810533	1	O-Ring D. 14X1,7			
79	24850527	1	Pin			

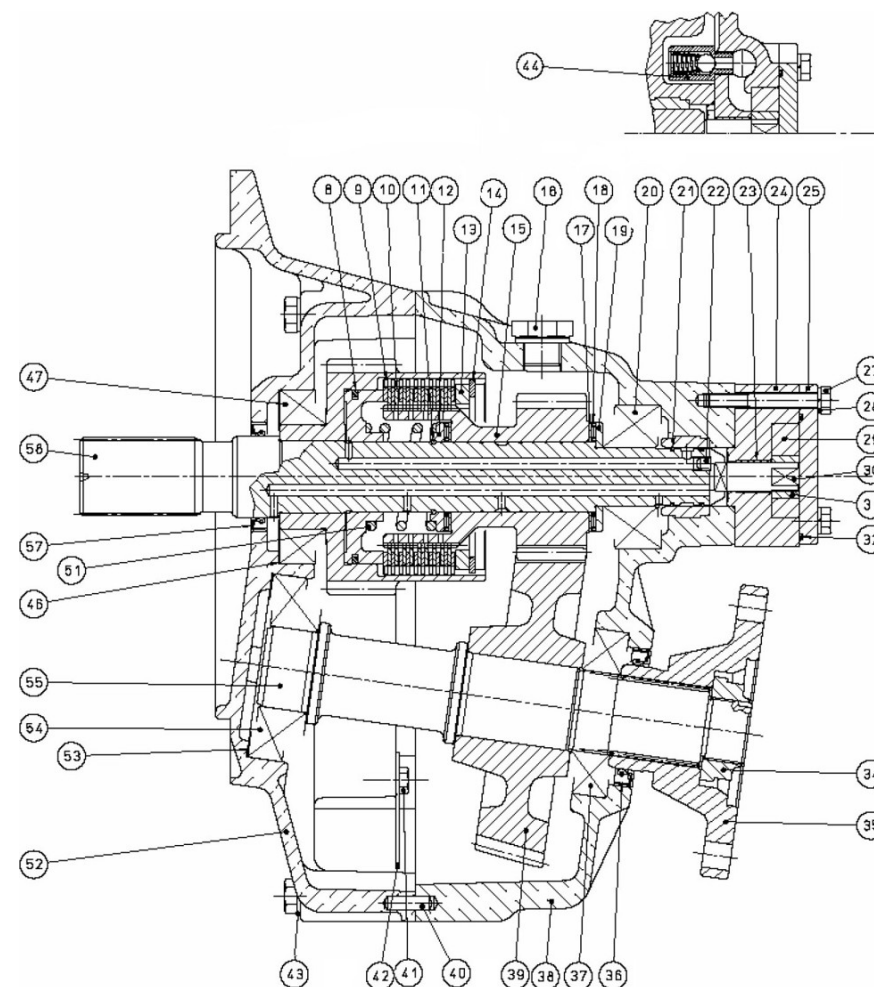


D_5024_2		Sheet 2/4			
Fig.	Ref.	Qty.	Descr.	Obs	From UpTo
33	24830113	1	Screw		



D_5024_3 Sheet 3/4

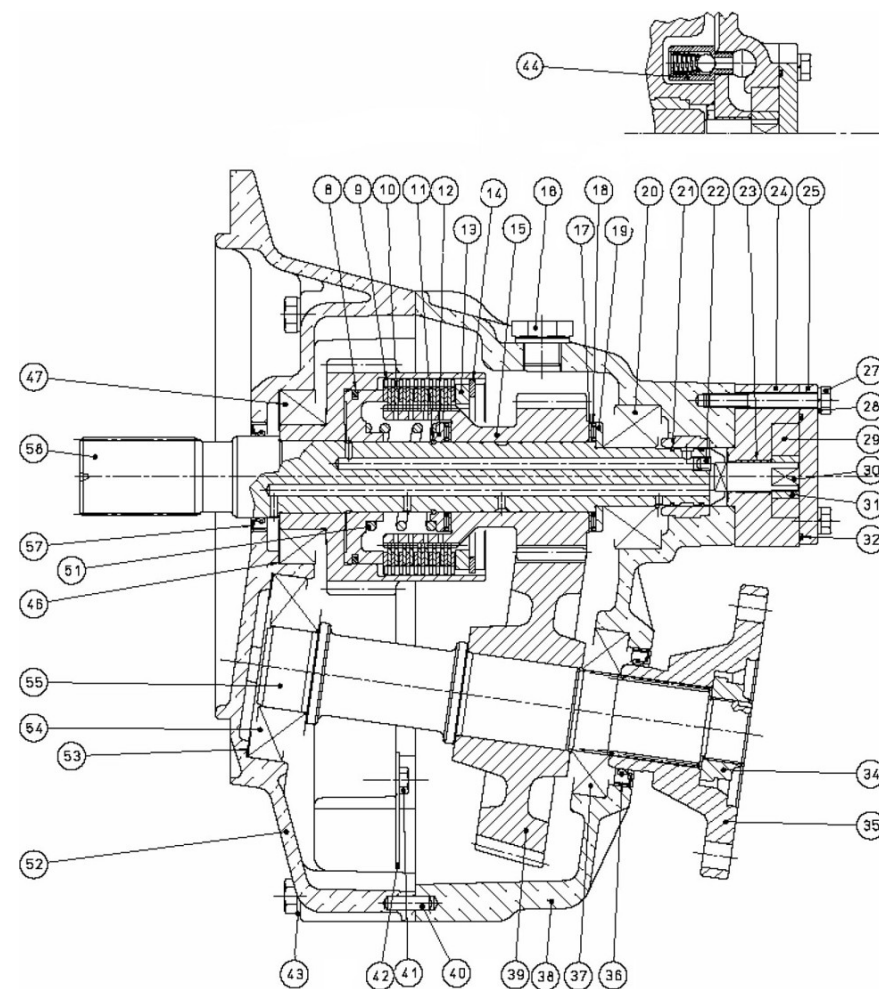
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
8	24850323	2	Washer			
11	24850310	2	Ring			
12	24850307	2	Ring			
13	24850333	2	Spacer			
14	24850312	2	SEGER			
15A	24852203A	1	Gear R. 1,54 TM 345A			
15B	24853203A	1	Gear Red. 2 TM 345A			
15C	24854203A	1	Gear R. 2,47 TM 345A			
16	24850012	1	Plug			
17	24850318	4	Ring			
18	24850306	4	Bearing, needle			
19	24850325	2	Washer			
20	24850308	2	Conical Roller Bearing 32305			
21	24850328	4	Washer			
22	24810326	2	Plug			
23	24850016	1	Bushing			
24	24850020	1	PUMB Box			
25	24850015	1	Pump Cover			
27	24850029	3	Screw			
28	53033006	9	Washer GROWER DIN 127-6			
29	24850095	1	Gear, Pump Out			
30	24850094	1	Pump Shaft			
31	24850096	1	Gear, Pump INNER			
32	24850097	1	O-Ring D. 50X1,7			
34	24850099	1	Nut			
35	24850224A	1	Flange, Output TM-345A			
36	24840103	1	Grommet			
37	24850212	1	Conical Roller Bearing 30207A			
38	24850001A	1	Front Body TM-345A			
39A	24852210A	1	Gear R. 1,54 TM 345A			
39B	24853210A	1	Gear R. 2 TM 345A			



D_5024_3

Sheet 3/4

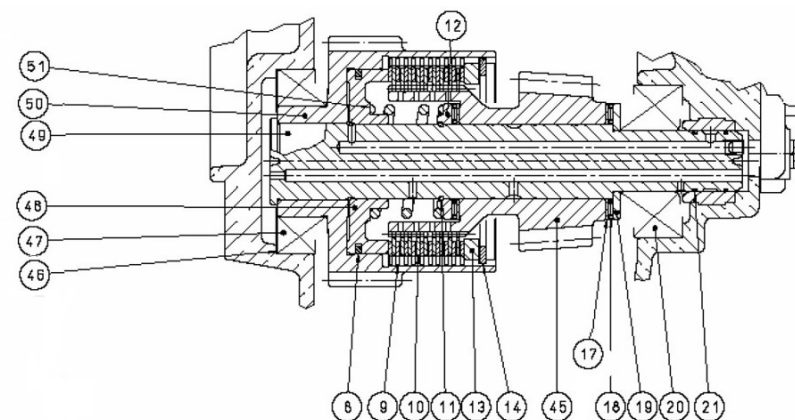
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
39C	24854210A	1	Gear R. 2,47 TM 345A			
40	24850013	2	Pin			
42	24850080	1	Plate Pipe			
43	24850093	12	Washer			
44	24850063	1	By pass Valve			
46	24850108	6	Shim Adjusting			
47	24850104	2	Conical Roller Bearing 32009-X			
51	24850122	2	Spring			
52	24850207A	1	Cover TM-345A			
53	24810333	3	Spacer			
54	24850206	1	Conical Roller Bearing 31307A			
55	24850201	1	Output Shaft			
57	24810103S	1	Grommet, Oil SILICON			
58	24850101	1	Input Shaft			



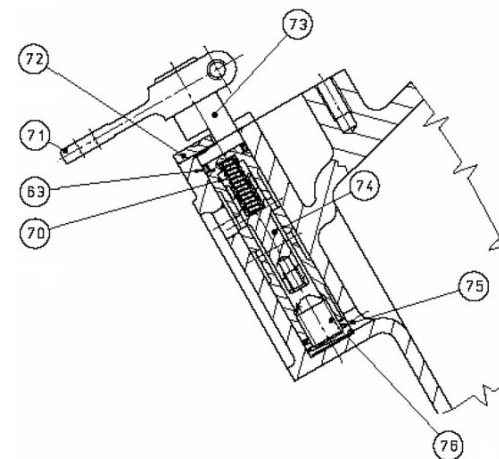
D_5024_4

Sheet 4/4

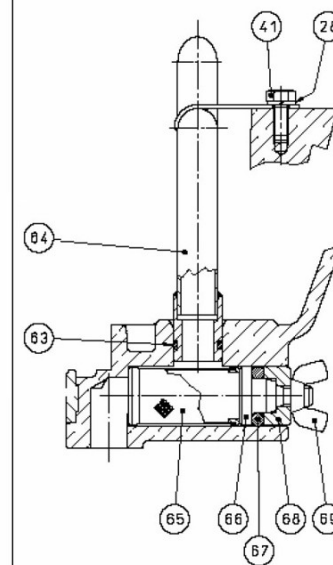
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
45A	24852302	1	Gear R. 1,54 TM 345A			
45B	24853302	1	Gear R. 2 TM 345A			
45C	24854302	1	Gear R. 2,47 TM 345A			
48	24850124	2	Piston			
49	24850301	1	INTERMEDIATE Shaft			
50	24850330	1	Bell			
63	24810045	2	O-Ring D. 15,08X2,62			
64	24850081	1	Aspiration Tube			
65	24810035	1	Oil Filter			
66	24850085	1	Pin			
67	24850059	1	O-Ring D. 50X5,3			16/12/2019
68	24850076	1	Spacer			
69	24850057	1	Nut			
70	24850030	1	Spring			
71	24810424	1	Lever			
72	24810041	1	Support			
73	24850062	1	Selector Valve			
74	24850052	1	Valve			
75	24850078	1	Spring			
76	24850079	1	Screw			



INTERMEDIATE SHAFT ASSEMBLY

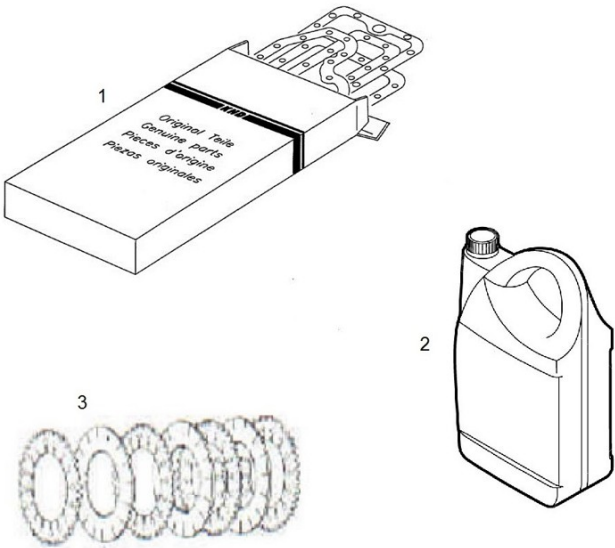


SELECTOR VALVE ASSEMBLY



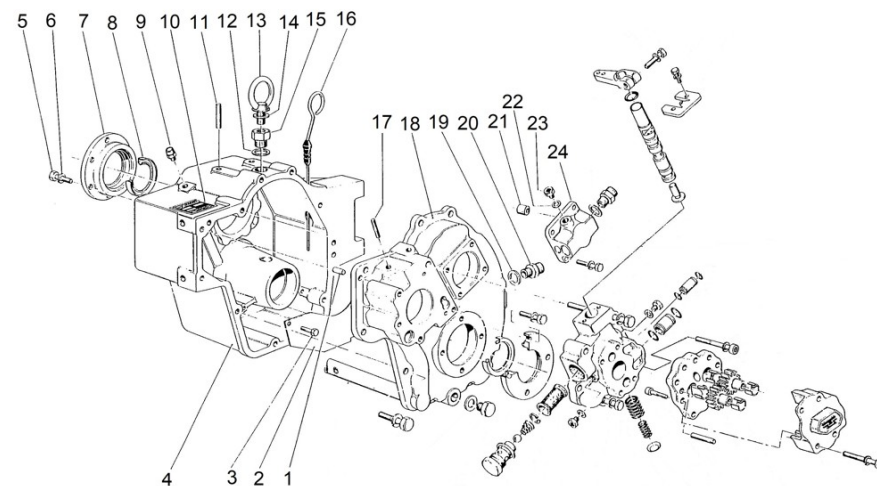
OIL FILTER ASSEMBLY

D_5023_5		Maintenance Kit				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	24850401	1	Kit Gasket			
1	24850401	1	Kit Gasket			
2	A0105000	1	15W40 Sole Diesel Oil 5L			
2	A0105000	1	15W40 Sole Diesel Oil 5L			
3	24850403	2	Clutch Plate Kit			
3	24850403	2	Clutch Plate Kit			



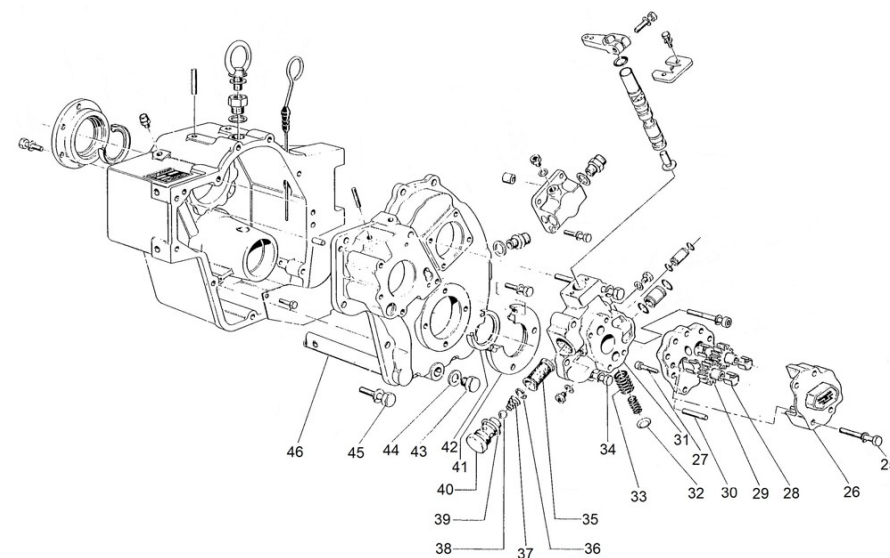
D_5026_1.1 Sheet 1.1/4

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	24820090	2	Pin			
2	24816080	1	Plate Pipe			
3	24810082	2	Screw			
4	24816001	1	Front Body TM 880A			
5	24810047	6	Screw			
6	24810014	6	Washer			
7	24820072	1	Cover Input Shaft			
8	24820103	1	Oil Grommet			
9	24810065	1	Plug			
10	24820005.1	1	NAME Plate			
11	24810071	2	Stud			
12	56000083	1	Washer 21-26-1,5			
13	24810012	1	Nut			
14	24810063	1	Plane Washer			
15	24810068	1	Plug			
16	24810008	1	ROD, Oil LEVEL			
17	24820071	2	Stud			
18	24816002	1	REVERSE Body TM 880A			
19	24810059	1	Plane Washer			
20	24810060	1	Racord			
21	24810062	1	Valve BY PASS			
22	24820086	1	Washer			
23	24830105	1	Plug			
24	24820102	1	Cover, REAR			



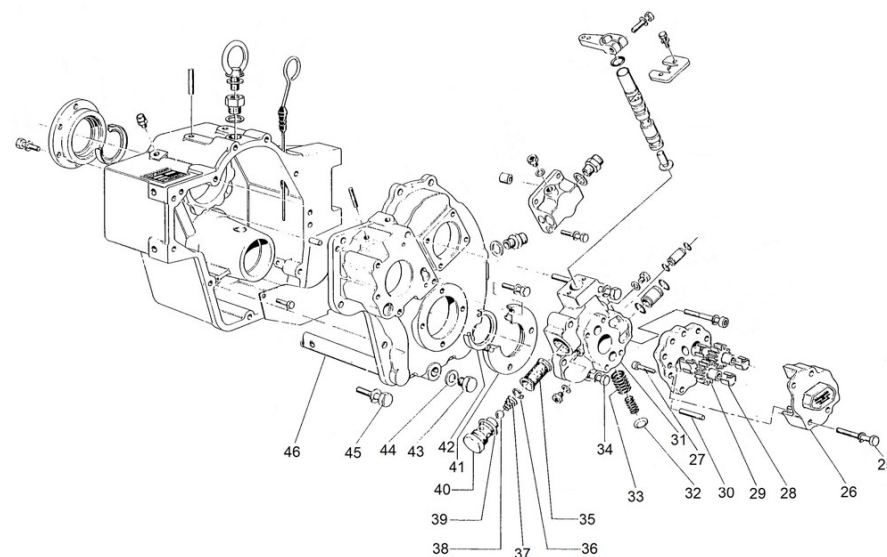
D_5026_1.2 Sheet 1.2/4

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
25	24810013	4	Screw			
25	24810013	4	Screw			
25	24810013	4	Screw			
26	24820015.1	1	Oil Pump Body			
26	24820015.1	1	Oil Pump Body			
26	24820015.1	1	Oil Pump Body			
27	24820025.1	3	Screw			
27	24820025.1	3	Screw			
27	24820025.1	3	Screw			
28	24810025	4	Bushing			
28	24810025	4	Bushing			
28	24810025	4	Bushing			
29	24810096	1	Gear, Driver			
29	24810096	1	Gear, Driver			
29	24810096	1	Gear, Driver			
30	24820023.1	2	Pin			
30	24820023.1	2	Pin			
30	24820023.1	2	Pin			
31	24820026	1	Distributor Cap			
31	24820026	1	Distributor Cap			
31	24820026	1	Distributor Cap			
32	24810055	1	Expansion Plug			
32	24810055	1	Expansion Plug			
32	24810055	1	Expansion Plug			
33	24816054	1	Spring, Valve			
33	24816054	1	Spring, Valve			
33	24816054	1	Spring, Valve			
34	24820098	2	Screw M10X50			
34	24820098	2	Screw M10X50			
34	24820098	2	Screw M10X50			
35	24810035	1	Oil Filter			



D_5026_1.2 Sheet 1.2/4

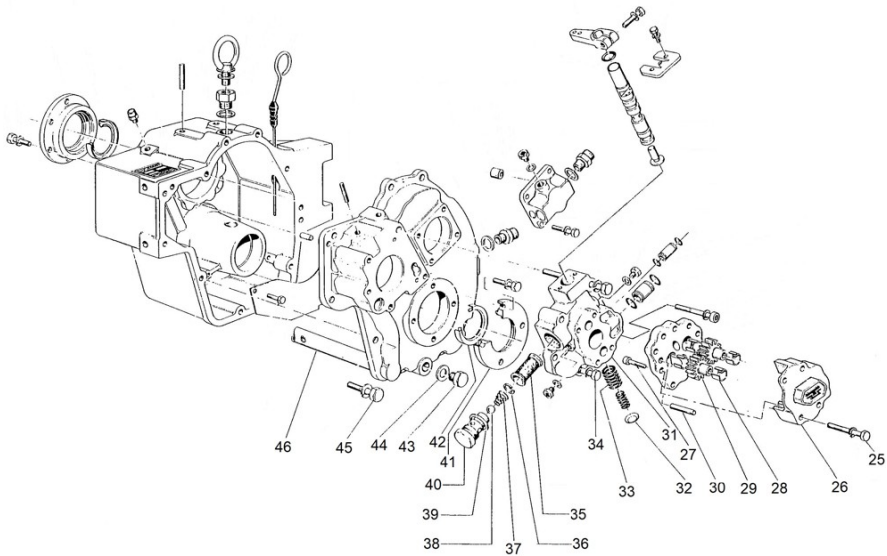
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
36	24810032	1	SNAP Ring			
37	24810030	1	Valve Spring			
37	24810030	1	Valve Spring			
37	24810030	1	Valve Spring			
38	18024143	1	Ball,steel 1/2"			
38	18024143	1	Ball,steel 1/2"			
38	18024143	1	Ball,steel 1/2"			
39	24810027	1	Washer			
39	24810027	1	Washer			
39	24810027	1	Washer			
40	24810024	1	Plug, Oil Filter DRAIN			
40	24810024	1	Plug, Oil Filter DRAIN			
40	24810024	1	Plug, Oil Filter DRAIN			
41	24820208	1	Cover Front			
41	24820208	1	Cover Front			
41	24820208	1	Cover Front			
42	24820214	1	Grommet			
42	24820214	1	Grommet			
42	24820214	1	Grommet			
43	24810011	1	Plug,oil drain			
43	24810011	1	Plug,oil drain			
43	24810011	1	Plug,oil drain			
44	24810088	1	Plane Washer			
44	24810088	1	Plane Washer			
44	24810088	1	Plane Washer			
45	52101314	1	Bolt DIN 931 M10-55 8.8			
45	52101314	1	Bolt DIN 931 M10-55 8.8			
45	52101314	1	Bolt DIN 931 M10-55 8.8			
46	24816081	1	Aspiration Tube TM 880A			
46	24816081	1	Aspiration Tube TM 880A			
46	24816081	1	Aspiration Tube TM 880A			





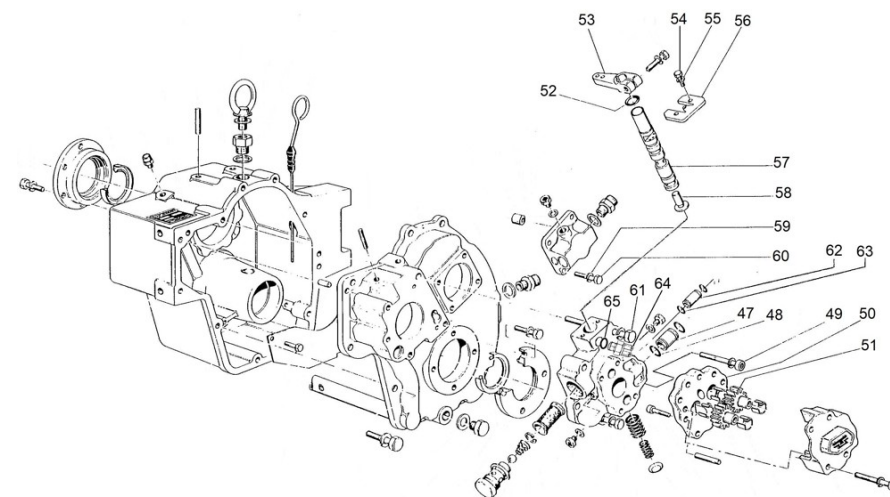
D_5026_1.2 Sheet 1.2/4

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
NS	52103311	9	Bolt DIN 912 M10-40 8.8			



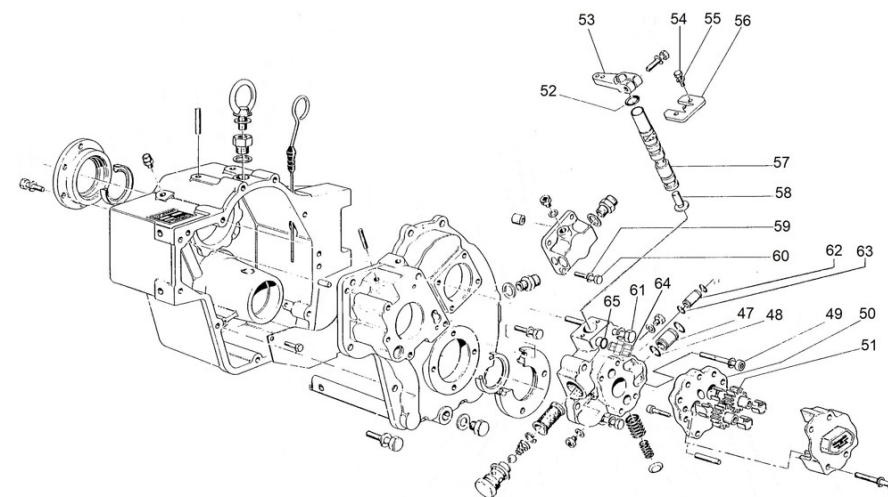
D_5026_1.3 Sheet 1.3/4

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
47	24820062	2	Tube, Racord			
47	24820062	2	Tube, Racord			
47	24820062	2	Tube, Racord			
48	24820063	2	O-Ring D. 15X1,7			
48	24820063	2	O-Ring D. 15X1,7			
48	24820063	2	O-Ring D. 15X1,7			
49	24820013	2	Screw M10X30			
49	24820013	2	Screw M10X30			
49	24820013	2	Screw M10X30			
50	24810026.1	3	Cover			
50	24810026.1	3	Cover			
50	24810026.1	3	Cover			
51	24810095	3	Gear, Driven			
51	24810095	3	Gear, Driven			
51	24810095	3	Gear, Driven			
52	24810056	1	O-Ring			
52	24810056	1	O-Ring			
52	24810056	1	O-Ring			
53	24810424	1	Lever			
53	24810424	1	Lever			
53	24810424	1	Lever			
54	24810044	2	Screw			
54	24810044	2	Screw			
54	24810044	2	Screw			
55	24810042	2	Washer			
55	24810042	2	Washer			
55	24810042	2	Washer			
56	24810041	1	Support			
56	24810041	1	Support			
56	24810041	1	Support			
57	24810051	1	Distributor			

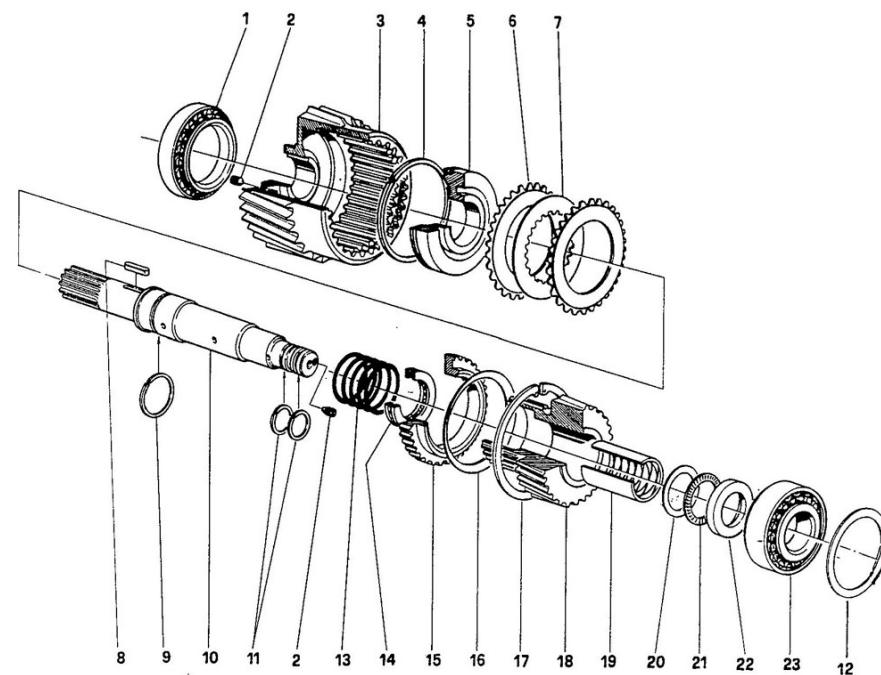


D_5026_1.3 Sheet 1.3/4

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
58	24810052	1	Valve			
59	24820075	4	Washer			
59	24820075	4	Washer			
59	24820075	4	Washer			
60	24820076	4	Screw M10X30			
60	24820076	4	Screw M10X30			
60	24820076	4	Screw M10X30			
61	24820087	1	Screw M10X130			
61	24820087	1	Screw M10X130			
61	24820087	1	Screw M10X130			
62	24820060	1	Tube, Racord			
62	24820060	1	Tube, Racord			
62	24820060	1	Tube, Racord			
63	24820059	2	O-Ring D. 10X1,7			
63	24820059	2	O-Ring D. 10X1,7			
63	24820059	2	O-Ring D. 10X1,7			
64	24810048	1	GR. Crazy Switch			
64	24810048	1	GR. Crazy Switch			
64	24810048	1	GR. Crazy Switch			
65	24810533	1	O-Ring D. 14X1,7			
65	24810533	1	O-Ring D. 14X1,7			
65	24810533	1	O-Ring D. 14X1,7			

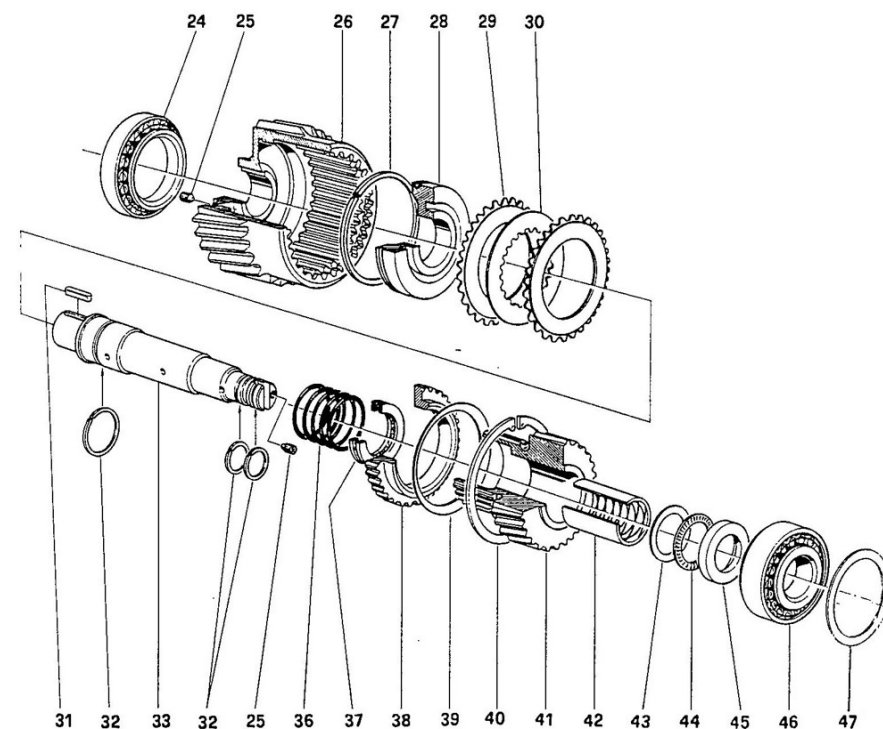


D_5026_2		Input Shaft 2/4				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	24820134	1	Conical Roller Bearing 32011-JR			
2	24810326	2	Plug			
3	24820130	1	Bell			
4	24820125	1	Washer			
5	24820124	1	Piston			
6	24820115	9	Disk			
7	24820116	8	Disk			
8	24810211	1	KEY			
9	24820126	1	Washer			
10	24820101	1	Input Shaft			
11	24810328	2	Washer			
12	24810333	0	Spacer	#		
13	24820122	1	Spring			
14	24820123	1	Bearing			
15	24820113	1	Grommet			
16	24820129	1	Ring			
17	24820128	1	SNAP Ring			
18A	24822302	1	Gear R. 1,50 TM 170			
18B	24823302	1	Gear R. 2,04 TM 170			
18C	24824302	1	Gear R. 2.50 TM 170			
19	24820117	1	Bushing			
20	24820118	1	Ring			
21	24820121	1	Roller Bearing AXK-4060			
22	24820105	1	Washer			
23	24820104	1	Conical Roller Bearing 32307			

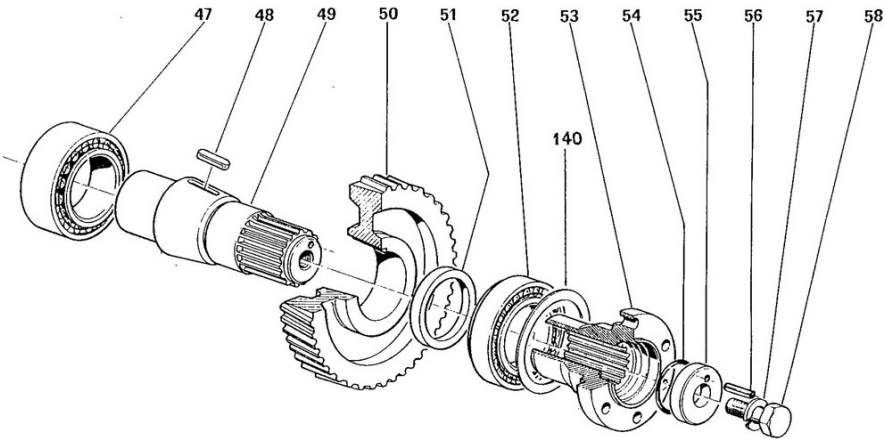


D_5026_3 Intermediate Shaft 3/4

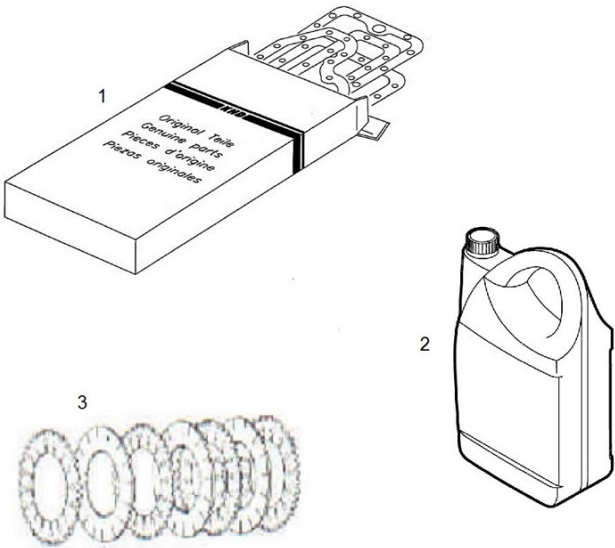
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
24	24820134	1	Conical Roller Bearing 32011-JR			
25	24810326	2	Plug			
26	24820330	1	Bell			
27	24820125	1	Washer			
28	24820124	1	Piston			
29	24820115	9	Disk			
30	24820116	8	Disk			
31	24810211	1	KEY			
32	24820126	2	Washer			
33	24820301	1	INTERMEDIATE Shaft			
36	24820122	1	Spring			
37	24820123	1	Bearing			
38	24820113	1	Grommet			
39	24820129	1	Ring			
40	24820128	1	SNAP Ring			
41A	24822302A	1	Gear R. 1,53 TM 170A			
41B	24823302A	1	Gear R. 2,08 TM 170A			
41C	24824302A	1	Gear R. 2,60 TM 170A			
42	24820117	1	Bushing			
43	24820118	1	Ring			
44	24820121	1	Roller Bearing AXK-4060			
45	24820105	1	Washer			
46	24820104	1	Conical Roller Bearing 32307			
47	24810333	0	Spacer	#		



D_5026_4 Output Shaft 4/4					
Fig.	Ref.	Qty.	Descr.	Obs	From UpTo
47	24820206	1	Conical Roller Bearing 33210		
4851	24822201AC	1	Gear+Output Shaft Kit+Spacer		
4851	24823201AC	1	Gear+Output Shaft Kit+Spacer		
4851	24824201AC	1	Gear+Output Shaft Kit+Spacer		
52	24820212	1	Conical Roller Bearing 30210-J2/Q		
53	24820224	1	Flange, Output		
54	24820225	1	O-Ring D. 45X3,5		
55	24820219	1	BUTT Washer		
56	24820220	1	Pin		
57	24820221	1	Washer D.16		
58	24820222.1	1	Screw		
140	24820333.1	0	Shim	#	

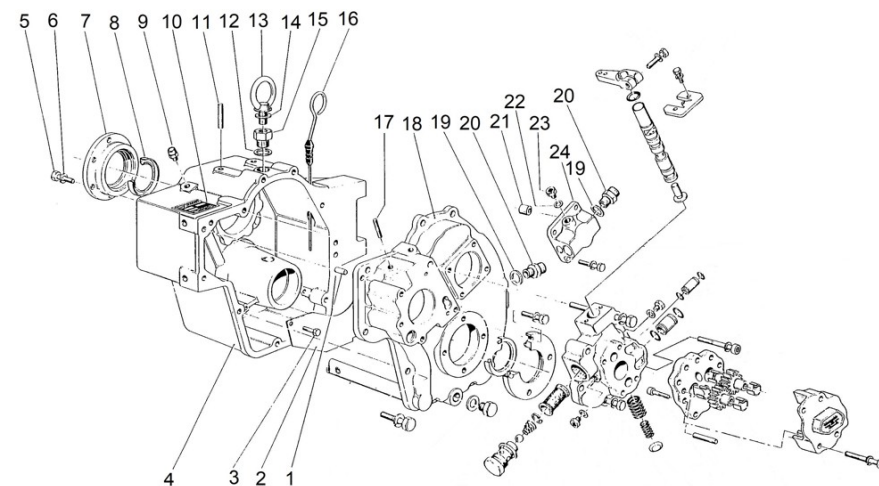


D_5027_5 Maintenance Kit						
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	24820401	1	Kit Gasket		15/06/2016	
1	24820401	1	Kit Gasket		15/06/2016	
2	A0105000	1	15W40 Sole Diesel Oil 5L		15/06/2016	
2	A0105000	1	15W40 Sole Diesel Oil 5L		15/06/2016	
3	24820403	2	Clutch Plate Kit		15/06/2016	
3	24820403	2	Clutch Plate Kit		15/06/2016	

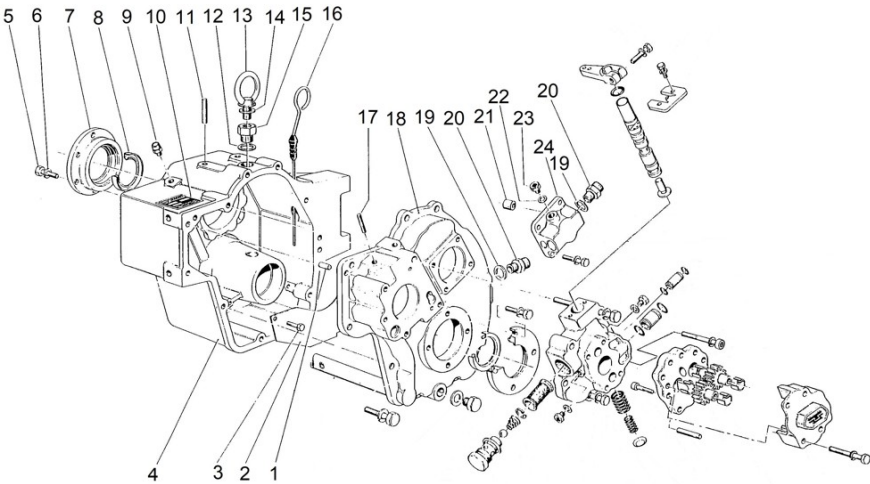


D_5027_1.1 Sheet 1.1/4

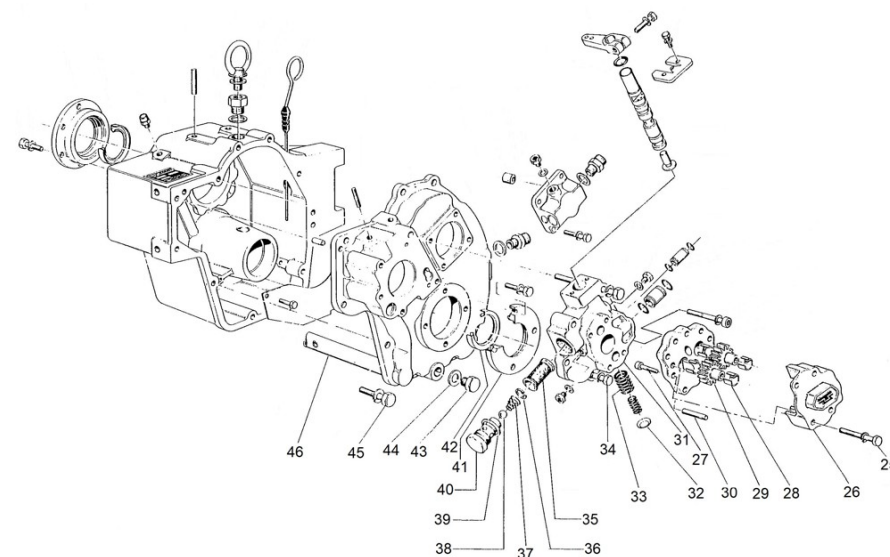
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	24820090	2	Pin			
1	24820090	2	Pin			
2	24816080	1	Plate Pipe			
2	24816080	1	Plate Pipe			
3	24810082	2	Screw			
3	24810082	2	Screw			
4	24820001	1	Front Body TM 170			
4	24820001	1	Front Body TM 170			
5	24810047	6	Screw			
5	24810047	6	Screw			
6	24810014	6	Washer			
6	24810014	6	Washer			
7	24820072	1	Cover Input Shaft			
7	24820072	1	Cover Input Shaft			
8	24820103	1	Oil Grommet			
8	24820103	1	Oil Grommet			
9	24810065	1	Plug			
9	24810065	1	Plug			
10	24820005.1	1	NAME Plate			
10	24820005.1	1	NAME Plate			
11	24810071	2	Stud			
11	24810071	2	Stud			
12	56000083	1	Washer 21-26-1,5			
12	56000083	1	Washer 21-26-1,5			
13	24810012	1	Nut			
13	24810012	1	Nut			
14	24810063	1	Plane Washer			
14	24810063	1	Plane Washer			
15	24810068	1	Plug			
15	24810068	1	Plug			
16	24810008	1	ROD, Oil LEVEL			



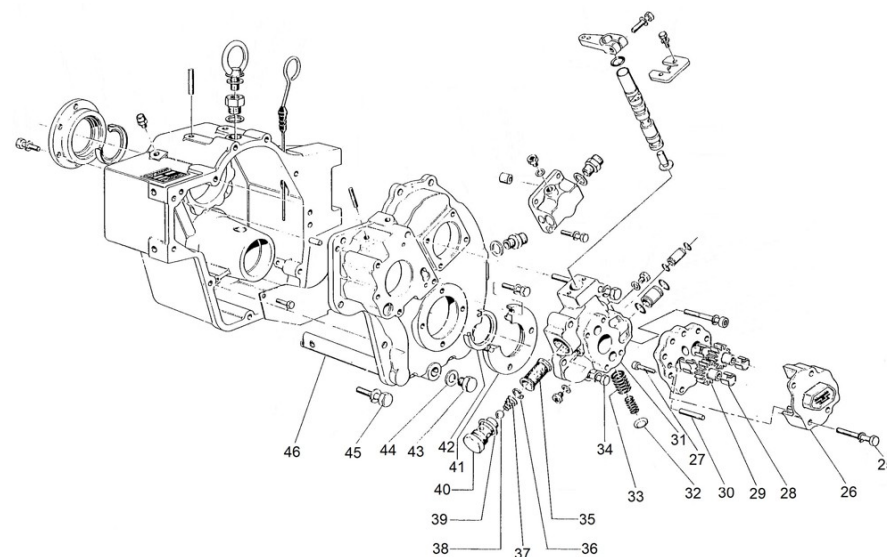
D_5027_1.1		Sheet 1.1/4				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
17	24820071	2	Stud			
18	24820002	1	Reverse Body TM 170			
18	24820002	1	Reverse Body TM 170			
19	24810059	2	Plane Washer			
19	24810059	2	Plane Washer			
20	24810060	2	Racord			
20	24810060	2	Racord			
21	24810062	1	Valve BY PASS			
21	24810062	1	Valve BY PASS			
22	24820086	1	Washer			
22	24820086	1	Washer			
23	24830105	1	Plug			
23	24830105	1	Plug			
24	24820102	1	Cover, REAR			
24	24820102	1	Cover, REAR			



D_5026_1.2		Sheet 1.2/4				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
25	24810013	4	Screw			
25	24810013	4	Screw			
25	24810013	4	Screw			
26	24820015.1	1	Oil Pump Body			
26	24820015.1	1	Oil Pump Body			
26	24820015.1	1	Oil Pump Body			
27	24820025.1	3	Screw			
27	24820025.1	3	Screw			
27	24820025.1	3	Screw			
28	24810025	4	Bushing			
28	24810025	4	Bushing			
28	24810025	4	Bushing			
29	24810096	1	Gear, Driver			
29	24810096	1	Gear, Driver			
29	24810096	1	Gear, Driver			
30	24820023.1	2	Pin			
30	24820023.1	2	Pin			
30	24820023.1	2	Pin			
31	24820026	1	Distributor Cap			
31	24820026	1	Distributor Cap			
31	24820026	1	Distributor Cap			
32	24810055	1	Expansion Plug			
32	24810055	1	Expansion Plug			
32	24810055	1	Expansion Plug			
33	24816054	1	Spring, Valve			
33	24816054	1	Spring, Valve			
33	24816054	1	Spring, Valve			
34	24820098	2	Screw M10X50			
34	24820098	2	Screw M10X50			
34	24820098	2	Screw M10X50			
35	24810035	1	Oil Filter			

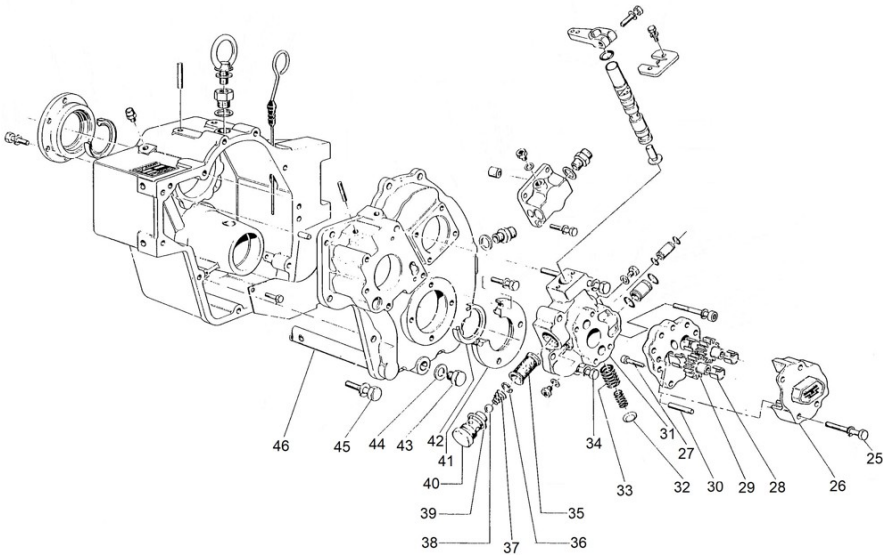


D_5026_1.2		Sheet 1.2/4				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
36	24810032	1	SNAP Ring			
37	24810030	1	Valve Spring			
37	24810030	1	Valve Spring			
37	24810030	1	Valve Spring			
38	18024143	1	Ball,steel 1/2"			
38	18024143	1	Ball,steel 1/2"			
38	18024143	1	Ball,steel 1/2"			
39	24810027	1	Washer			
39	24810027	1	Washer			
39	24810027	1	Washer			
40	24810024	1	Plug, Oil Filter DRAIN			
40	24810024	1	Plug, Oil Filter DRAIN			
40	24810024	1	Plug, Oil Filter DRAIN			
41	24820208	1	Cover Front			
41	24820208	1	Cover Front			
41	24820208	1	Cover Front			
42	24820214	1	Grommet			
42	24820214	1	Grommet			
42	24820214	1	Grommet			
43	24810011	1	Plug,oil drain			
43	24810011	1	Plug,oil drain			
43	24810011	1	Plug,oil drain			
44	24810088	1	Plane Washer			
44	24810088	1	Plane Washer			
44	24810088	1	Plane Washer			
45	52101314	1	Bolt DIN 931 M10-55 8.8			
45	52101314	1	Bolt DIN 931 M10-55 8.8			
45	52101314	1	Bolt DIN 931 M10-55 8.8			
46	24816081	1	Aspiration Tube TM 880A			
46	24816081	1	Aspiration Tube TM 880A			
46	24816081	1	Aspiration Tube TM 880A			

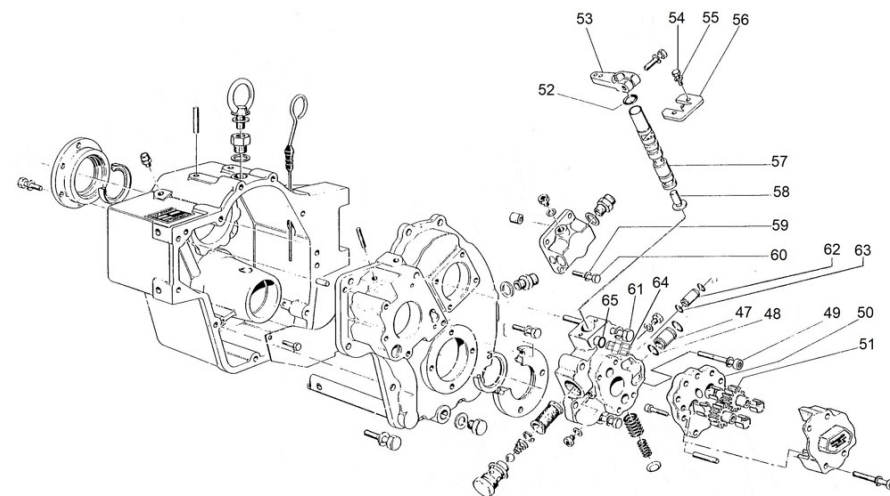


D_5026_1.2Sheet 1.2/4

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
NS	52103311	9	Bolt DIN 912 M10-40 8.8			

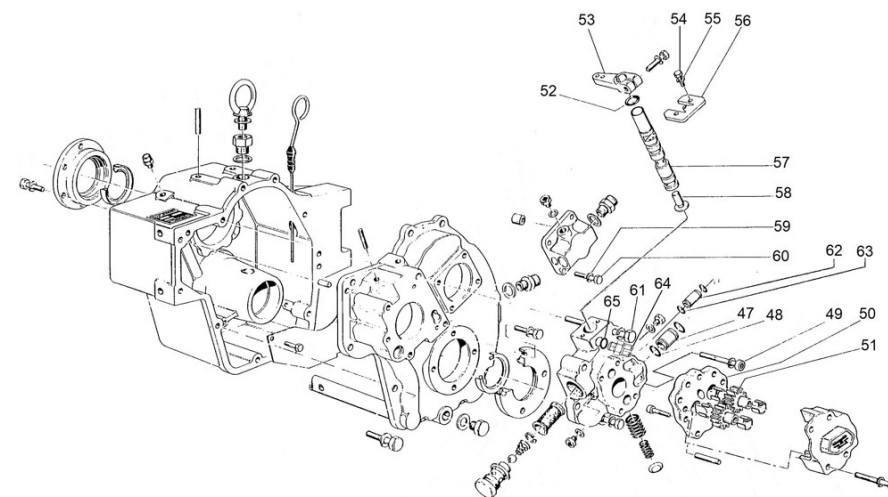


D_5026_1.3		Sheet 1.3/4				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
47	24820062	2	Tube, Racord			
47	24820062	2	Tube, Racord			
47	24820062	2	Tube, Racord			
48	24820063	2	O-Ring D. 15X1,7			
48	24820063	2	O-Ring D. 15X1,7			
48	24820063	2	O-Ring D. 15X1,7			
49	24820013	2	Screw M10X30			
49	24820013	2	Screw M10X30			
49	24820013	2	Screw M10X30			
50	24810026.1	3	Cover			
50	24810026.1	3	Cover			
50	24810026.1	3	Cover			
51	24810095	3	Gear, Driven			
51	24810095	3	Gear, Driven			
51	24810095	3	Gear, Driven			
52	24810056	1	O-Ring			
52	24810056	1	O-Ring			
52	24810056	1	O-Ring			
53	24810424	1	Lever			
53	24810424	1	Lever			
53	24810424	1	Lever			
54	24810044	2	Screw			
54	24810044	2	Screw			
54	24810044	2	Screw			
55	24810042	2	Washer			
55	24810042	2	Washer			
55	24810042	2	Washer			
56	24810041	1	Support			
56	24810041	1	Support			
56	24810041	1	Support			
57	24810051	1	Distributor			

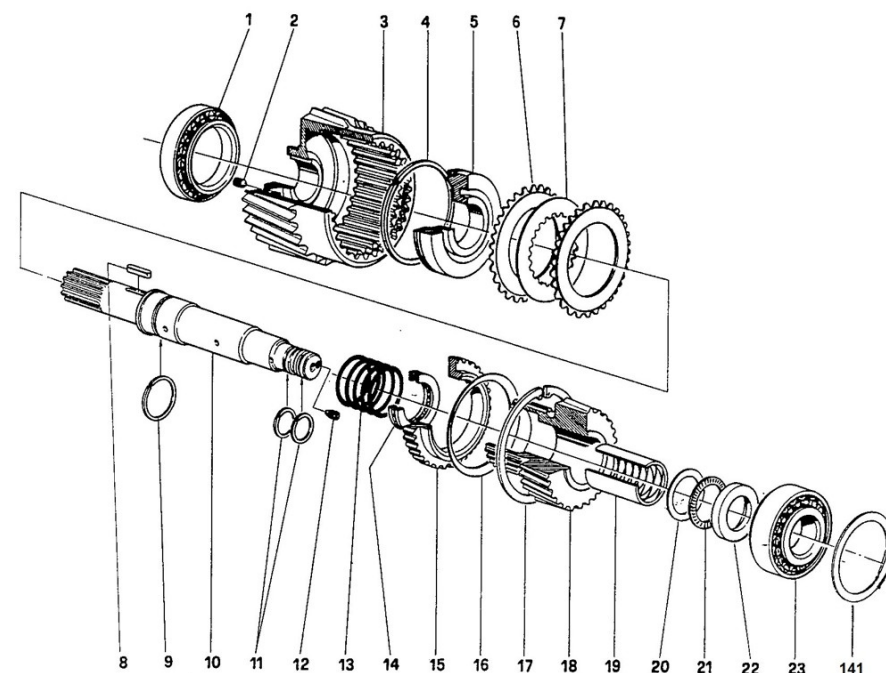


D_5026_1.3 Sheet 1.3/4

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
58	24810052	1	Valve			
59	24820075	4	Washer			
59	24820075	4	Washer			
59	24820075	4	Washer			
60	24820076	4	Screw M10X30			
60	24820076	4	Screw M10X30			
60	24820076	4	Screw M10X30			
61	24820087	1	Screw M10X130			
61	24820087	1	Screw M10X130			
61	24820087	1	Screw M10X130			
62	24820060	1	Tube, Racord			
62	24820060	1	Tube, Racord			
62	24820060	1	Tube, Racord			
63	24820059	2	O-Ring D. 10X1,7			
63	24820059	2	O-Ring D. 10X1,7			
63	24820059	2	O-Ring D. 10X1,7			
64	24810048	1	GR. Crazy Switch			
64	24810048	1	GR. Crazy Switch			
64	24810048	1	GR. Crazy Switch			
65	24810533	1	O-Ring D. 14X1,7			
65	24810533	1	O-Ring D. 14X1,7			
65	24810533	1	O-Ring D. 14X1,7			

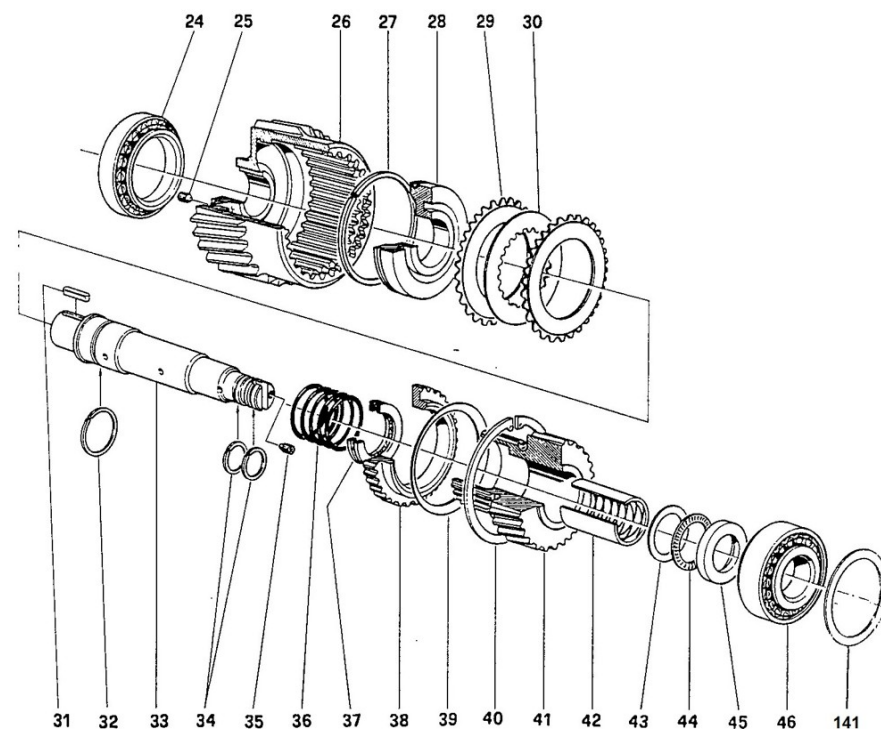


D_5027_2		Input Shaft 2/4				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	24820134	1	Conical Roller Bearing 32011-JR			
2	24810334	1	Plug			
3	24820130	1	Bell			
4	24820125	1	Washer			
5	24820124	1	Piston			
6	24820115	9	Disk			
7	24820116	8	Disk			
8	24810211	1	KEY			
9	24820126	1	Washer			
10	24820101	1	Input Shaft			
11	24810328	2	Washer			
12	24810326	1	Plug			
13	24820122	1	Spring			
14	24820123	1	Bearing			
15	24820113	1	Grommet			
16	24820129	1	Ring			
17	24820128	1	SNAP Ring			
18A	24822302	1	Gear R. 1,50 TM 170			
18B	24823302	1	Gear R. 2,04 TM 170			
18C	24824302	1	Gear R. 2.50 TM 170			
18D	24825302	1	Gear Red. 2,94 TM 170			
19	24820117	1	Bushing			
20	24820118	1	Ring			
21	24820121	1	Roller Bearing AXK-4060			
22	24820105	1	Washer			
23	24820104	1	Conical Roller Bearing 32307			
141	24810333	0	Spacer	#		

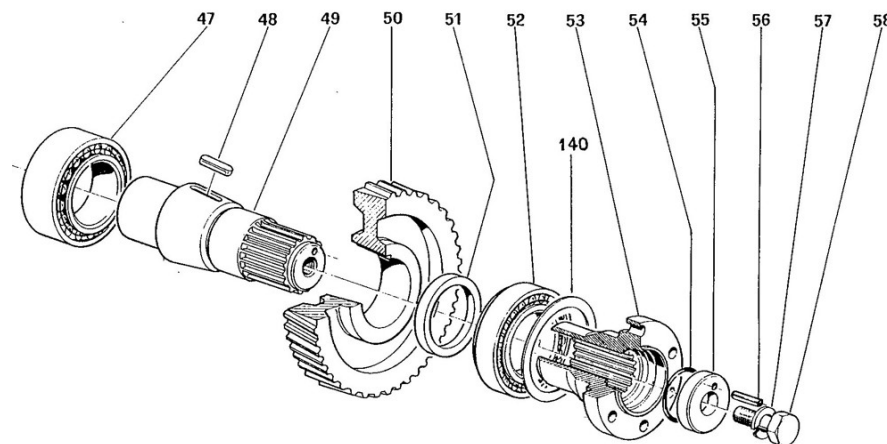


D_5027_3 Intermediate Shaft 3/4

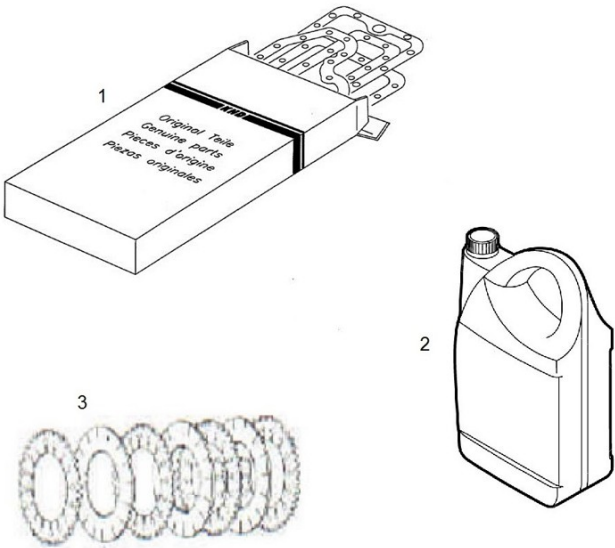
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
24	24820134	1	Conical Roller Bearing 32011-JR			
25	24810334	1	Plug			
26	24820330	1	Bell			
27	24820125	1	Washer			
28	24820124	1	Piston			
29	24820115	9	Disk			
30	24820116	8	Disk			
31	24810211	1	KEY			
32	24820126	1	Washer			
33	24820301	1	INTERMEDIATE Shaft			
34	24810328	2	Washer			
35	24810326	1	Plug			
36	24820122	1	Spring			
37	24820123	1	Bearing			
38	24820113	1	Grommet			
39	24820129	1	Ring			
40	24820128	1	SNAP Ring			
41A	24822302	1	Gear R. 1,50 TM 170			
41B	24823302	1	Gear R. 2,04 TM 170			
41C	24824302	1	Gear R. 2.50 TM 170			
41D	24825302	1	Gear Red. 2,94 TM 170			
42	24820117	1	Bushing			
43	24820118	1	Ring			
44	24820121	1	Roller Bearing AXK-4060			
45	24820105	1	Washer			
46	24820104	1	Conical Roller Bearing 32307			
141	24810333	0	Spacer	#		



D_5027_4		Output Shaft 4/4				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
47	24820206	1	Conical Roller Bearing 33210			
4950	24822201C	1	Gear+Output Shaft Kit+Spacer			
4950	24823201C	1	Gear+Output Shaft Kit+Spacer			
4950	24824201C	1	Gear+Output Shaft Kit+Spacer			
4950	24825201C	1	Gear+Output Shaft Kit+Spacer			
51	24820209	1	Spacer, Output Shaft			
52	24820212	1	Conical Roller Bearing 30210-J2/Q			
53	24820224	1	Flange, Output			
54	24820225	1	O-Ring D. 45X3,5			
55	24820219	1	BUTT Washer			
56	24820220	1	Pin			
57	24820221	1	Washer D.16			21/09/2018
57	53033016C	1	Washer			22/09/2018
58	24820222.1	1	Screw			
140	24820333.1	0	Shim	#		

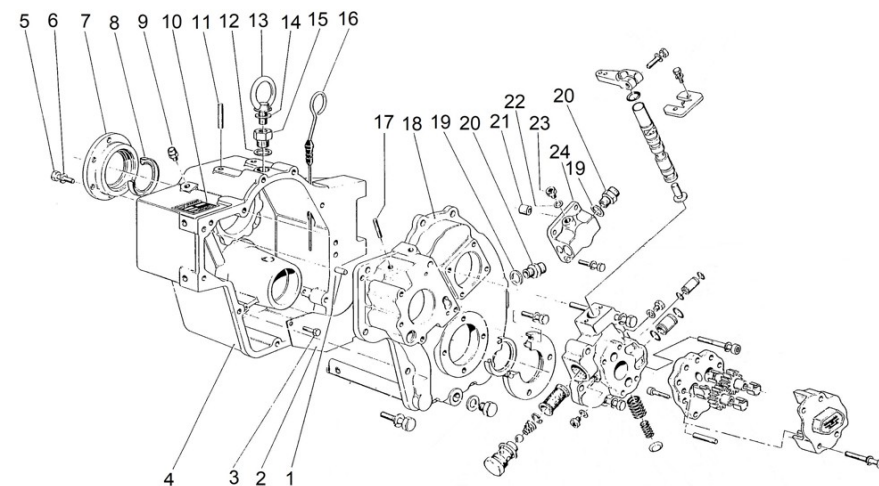


D_5027_5		Maintenance Kit				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	24820401	1	Kit Gasket		15/06/2016	
1	24820401	1	Kit Gasket		15/06/2016	
2	A0105000	1	15W40 Sole Diesel Oil 5L		15/06/2016	
2	A0105000	1	15W40 Sole Diesel Oil 5L		15/06/2016	
3	24820403	2	Clutch Plate Kit		15/06/2016	
3	24820403	2	Clutch Plate Kit		15/06/2016	



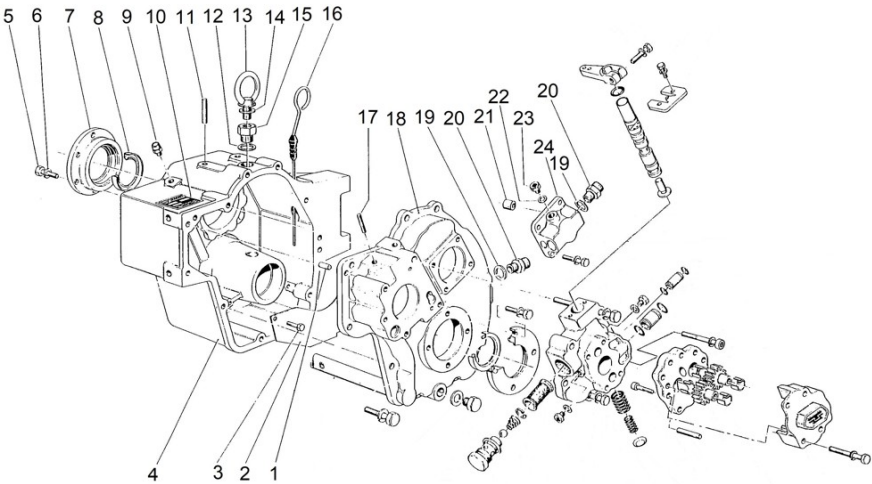
D_5027_1.1 Sheet 1.1/4

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	24820090	2	Pin			
1	24820090	2	Pin			
2	24816080	1	Plate Pipe			
2	24816080	1	Plate Pipe			
3	24810082	2	Screw			
3	24810082	2	Screw			
4	24820001	1	Front Body TM 170			
4	24820001	1	Front Body TM 170			
5	24810047	6	Screw			
5	24810047	6	Screw			
6	24810014	6	Washer			
6	24810014	6	Washer			
7	24820072	1	Cover Input Shaft			
7	24820072	1	Cover Input Shaft			
8	24820103	1	Oil Grommet			
8	24820103	1	Oil Grommet			
9	24810065	1	Plug			
9	24810065	1	Plug			
10	24820005.1	1	NAME Plate			
10	24820005.1	1	NAME Plate			
11	24810071	2	Stud			
11	24810071	2	Stud			
12	56000083	1	Washer 21-26-1,5			
12	56000083	1	Washer 21-26-1,5			
13	24810012	1	Nut			
13	24810012	1	Nut			
14	24810063	1	Plane Washer			
14	24810063	1	Plane Washer			
15	24810068	1	Plug			
15	24810068	1	Plug			
16	24810008	1	ROD, Oil LEVEL			

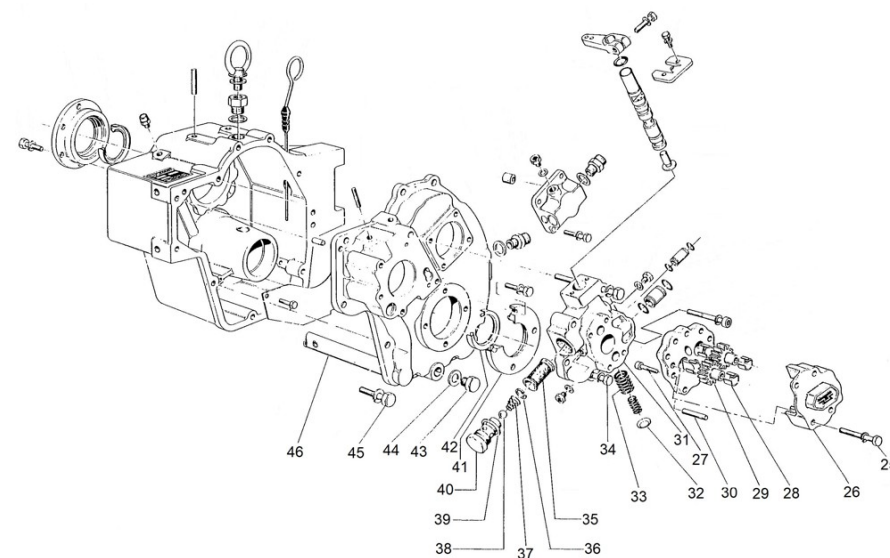


D_5027_1.1 Sheet 1.1/4

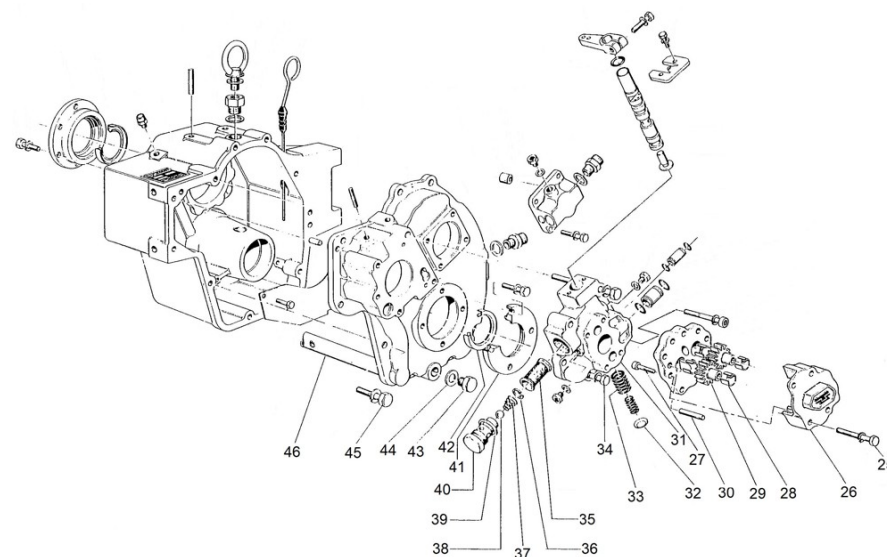
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
17	24820071	2	Stud			
18	24820002	1	Reverse Body TM 170			
18	24820002	1	Reverse Body TM 170			
19	24810059	2	Plane Washer			
19	24810059	2	Plane Washer			
20	24810060	2	Racord			
20	24810060	2	Racord			
21	24810062	1	Valve BY PASS			
21	24810062	1	Valve BY PASS			
22	24820086	1	Washer			
22	24820086	1	Washer			
23	24830105	1	Plug			
23	24830105	1	Plug			
24	24820102	1	Cover, REAR			
24	24820102	1	Cover, REAR			



D_5026_1.2		Sheet 1.2/4				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
25	24810013	4	Screw			
25	24810013	4	Screw			
25	24810013	4	Screw			
26	24820015.1	1	Oil Pump Body			
26	24820015.1	1	Oil Pump Body			
26	24820015.1	1	Oil Pump Body			
27	24820025.1	3	Screw			
27	24820025.1	3	Screw			
27	24820025.1	3	Screw			
28	24810025	4	Bushing			
28	24810025	4	Bushing			
28	24810025	4	Bushing			
29	24810096	1	Gear, Driver			
29	24810096	1	Gear, Driver			
29	24810096	1	Gear, Driver			
30	24820023.1	2	Pin			
30	24820023.1	2	Pin			
30	24820023.1	2	Pin			
31	24820026	1	Distributor Cap			
31	24820026	1	Distributor Cap			
31	24820026	1	Distributor Cap			
32	24810055	1	Expansion Plug			
32	24810055	1	Expansion Plug			
32	24810055	1	Expansion Plug			
33	24816054	1	Spring, Valve			
33	24816054	1	Spring, Valve			
33	24816054	1	Spring, Valve			
34	24820098	2	Screw M10X50			
34	24820098	2	Screw M10X50			
34	24820098	2	Screw M10X50			
35	24810035	1	Oil Filter			

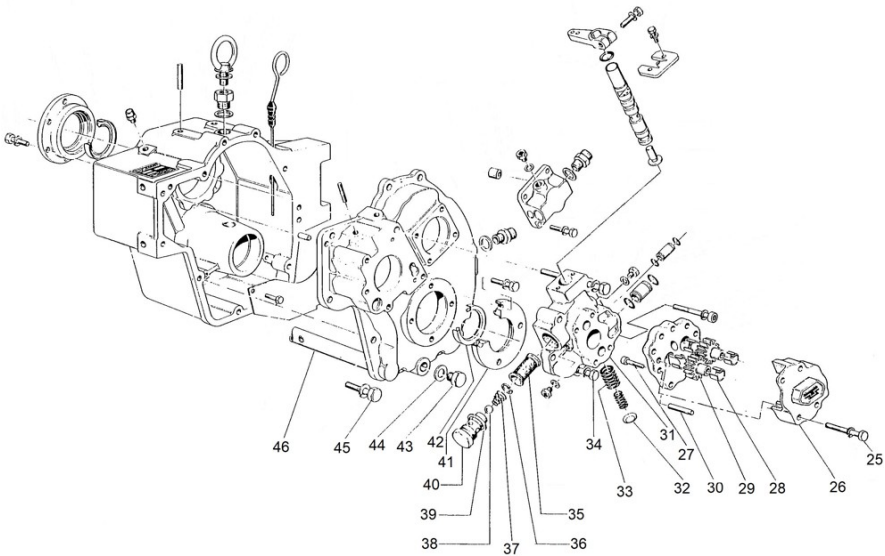


D_5026_1.2		Sheet 1.2/4				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
36	24810032	1	SNAP Ring			
37	24810030	1	Valve Spring			
37	24810030	1	Valve Spring			
37	24810030	1	Valve Spring			
38	18024143	1	Ball,steel 1/2"			
38	18024143	1	Ball,steel 1/2"			
38	18024143	1	Ball,steel 1/2"			
39	24810027	1	Washer			
39	24810027	1	Washer			
39	24810027	1	Washer			
40	24810024	1	Plug, Oil Filter DRAIN			
40	24810024	1	Plug, Oil Filter DRAIN			
40	24810024	1	Plug, Oil Filter DRAIN			
41	24820208	1	Cover Front			
41	24820208	1	Cover Front			
41	24820208	1	Cover Front			
42	24820214	1	Grommet			
42	24820214	1	Grommet			
42	24820214	1	Grommet			
43	24810011	1	Plug,oil drain			
43	24810011	1	Plug,oil drain			
43	24810011	1	Plug,oil drain			
44	24810088	1	Plane Washer			
44	24810088	1	Plane Washer			
44	24810088	1	Plane Washer			
45	52101314	1	Bolt DIN 931 M10-55 8.8			
45	52101314	1	Bolt DIN 931 M10-55 8.8			
45	52101314	1	Bolt DIN 931 M10-55 8.8			
46	24816081	1	Aspiration Tube TM 880A			
46	24816081	1	Aspiration Tube TM 880A			
46	24816081	1	Aspiration Tube TM 880A			



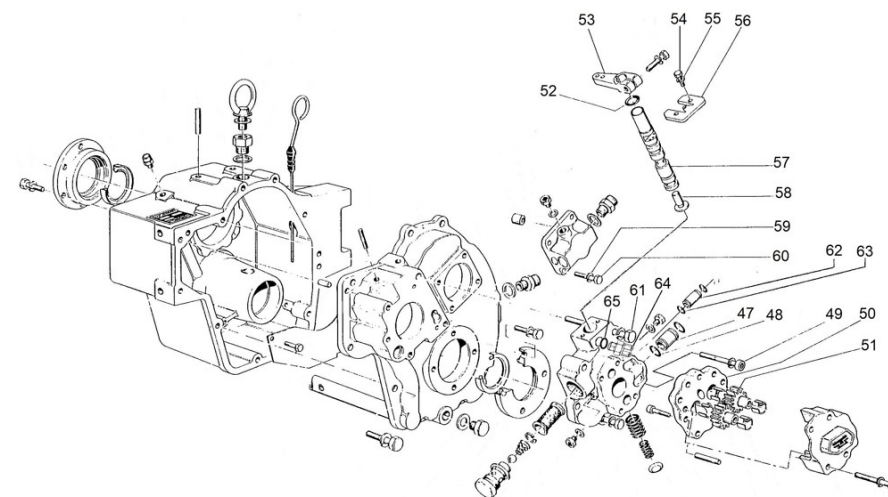
D_5026_1.2 Sheet 1.2/4

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
NS	52103311	9	Bolt DIN 912 M10-40 8.8			



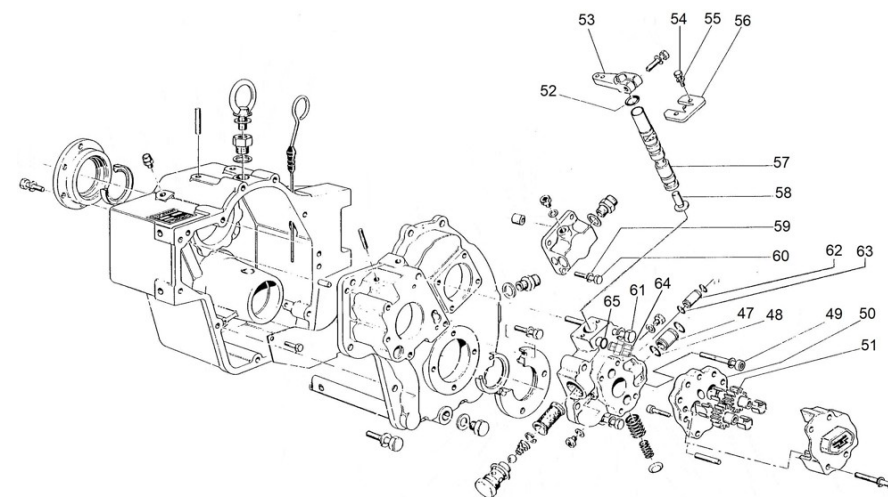
D_5026_1.3 Sheet 1.3/4

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
47	24820062	2	Tube, Racord			
47	24820062	2	Tube, Racord			
47	24820062	2	Tube, Racord			
48	24820063	2	O-Ring D. 15X1,7			
48	24820063	2	O-Ring D. 15X1,7			
48	24820063	2	O-Ring D. 15X1,7			
49	24820013	2	Screw M10X30			
49	24820013	2	Screw M10X30			
49	24820013	2	Screw M10X30			
50	24810026.1	3	Cover			
50	24810026.1	3	Cover			
50	24810026.1	3	Cover			
51	24810095	3	Gear, Driven			
51	24810095	3	Gear, Driven			
51	24810095	3	Gear, Driven			
52	24810056	1	O-Ring			
52	24810056	1	O-Ring			
52	24810056	1	O-Ring			
53	24810424	1	Lever			
53	24810424	1	Lever			
53	24810424	1	Lever			
54	24810044	2	Screw			
54	24810044	2	Screw			
54	24810044	2	Screw			
55	24810042	2	Washer			
55	24810042	2	Washer			
55	24810042	2	Washer			
56	24810041	1	Support			
56	24810041	1	Support			
56	24810041	1	Support			
57	24810051	1	Distributor			

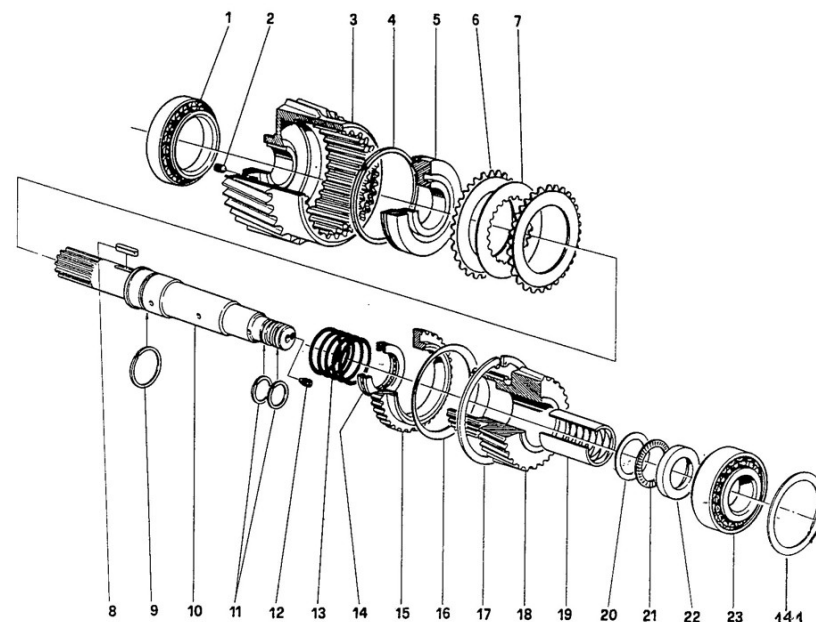


D_5026_1.3 Sheet 1.3/4

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
58	24810052	1	Valve			
59	24820075	4	Washer			
59	24820075	4	Washer			
59	24820075	4	Washer			
60	24820076	4	Screw M10X30			
60	24820076	4	Screw M10X30			
60	24820076	4	Screw M10X30			
61	24820087	1	Screw M10X130			
61	24820087	1	Screw M10X130			
61	24820087	1	Screw M10X130			
62	24820060	1	Tube, Racord			
62	24820060	1	Tube, Racord			
62	24820060	1	Tube, Racord			
63	24820059	2	O-Ring D. 10X1,7			
63	24820059	2	O-Ring D. 10X1,7			
63	24820059	2	O-Ring D. 10X1,7			
64	24810048	1	GR. Crazy Switch			
64	24810048	1	GR. Crazy Switch			
64	24810048	1	GR. Crazy Switch			
65	24810533	1	O-Ring D. 14X1,7			
65	24810533	1	O-Ring D. 14X1,7			
65	24810533	1	O-Ring D. 14X1,7			

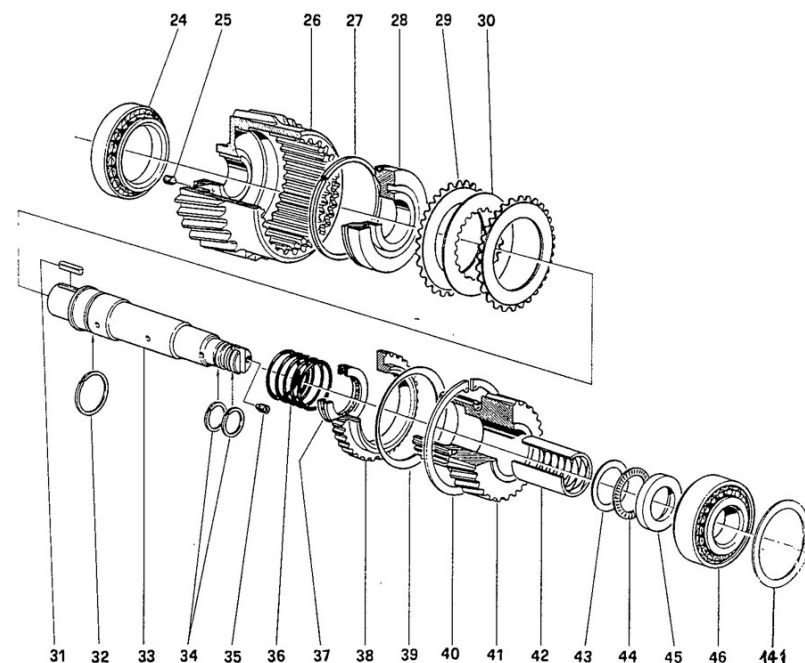


D_5028_2		Input Shaft 2/4				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	24820134	1	Conical Roller Bearing 32011-JR			
2	24810334	1	Plug			
3	24820130	1	Bell			
4	24820125	1	Washer			
5	24820124	1	Piston			
6	24820115	9	Disk			
7	24820116	8	Disk			
8	24810211	1	KEY			
9	24820126	1	Washer			
10	24820101	1	Input Shaft			
11	24810328	2	Washer			
12	24810326	1	Plug			
13	24820122	1	Spring			
14	24820123	1	Bearing			
15	24820113	1	Grommet			
16	24820129	1	Ring			
17	24820128	1	SNAP Ring			
18A	24822302	1	Gear R. 1,50 TM 170			
18B	24823302	1	Gear R. 2,04 TM 170			
18C	24824302	1	Gear R. 2.50 TM 170			
19	24820117	1	Bushing			
20	24820118	1	Ring			
21	24820121	1	Roller Bearing AXK-4060			
22	24820105	1	Washer			
23	24820104	1	Conical Roller Bearing 32307			
141	24810333	0	Spacer	#		

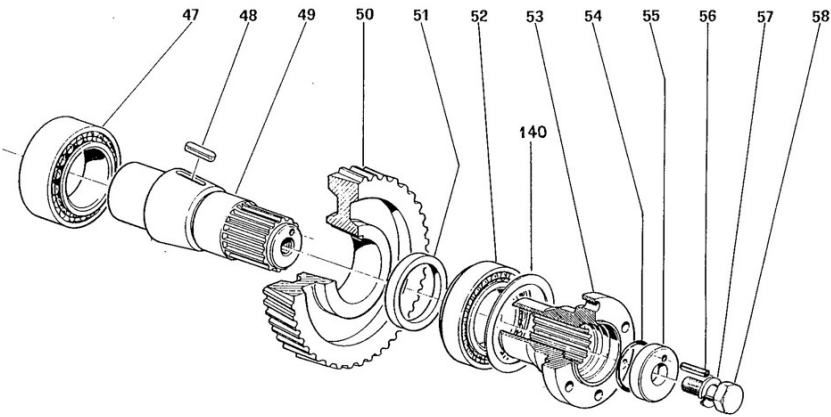


D_5028_3 Intermediate Shaft 3/4

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
24	24820134	1	Conical Roller Bearing 32011-JR			
25	24810334	1	Plug			
26	24820330	1	Bell			
27	24820125	1	Washer			
28	24820124	1	Piston			
29	24820115	9	Disk			
30	24820116	8	Disk			
31	24810211	1	KEY			
32	24820126	1	Washer			
33	24820301	1	INTERMEDIATE Shaft			
34	24810328	2	Washer			
35	24810326	1	Plug			
36	24820122	1	Spring			
37	24820123	1	Bearing			
38	24820113	1	Grommet			
39	24820129	1	Ring			
40	24820128	1	SNAP Ring			
41A	24822302A	1	Gear R. 1,53 TM 170A			
41B	24823302A	1	Gear R. 2,08 TM 170A			
41C	24824302A	1	Gear R. 2,60 TM 170A			
42	24820117	1	Bushing			
43	24820118	1	Ring			
44	24820121	1	Roller Bearing AXK-4060			
45	24820105	1	Washer			
46	24820104	1	Conical Roller Bearing 32307			
141	24810333	0	Spacer	#		

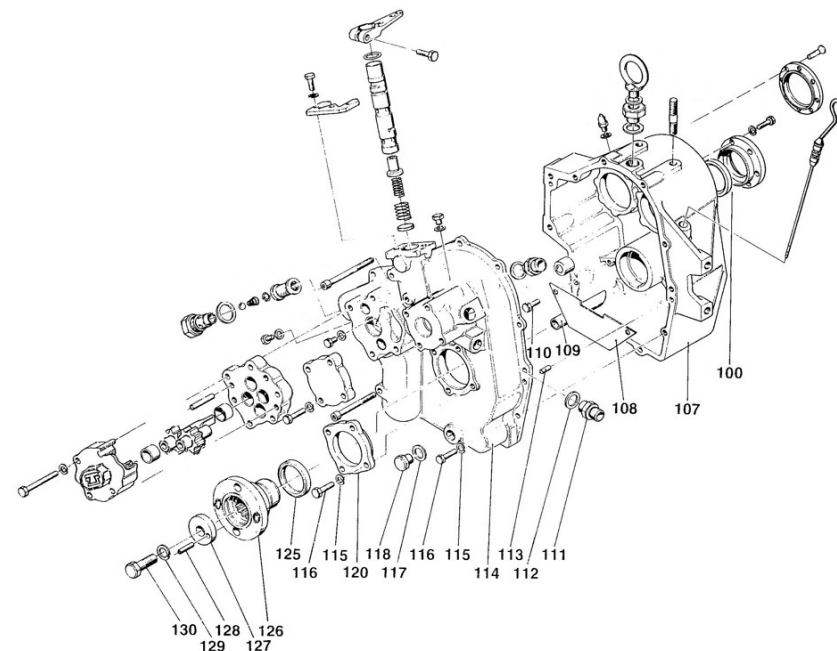


D_5028_4						Output Shaft 4/4	
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo	
47	24820206	1	Conical Roller Bearing 33210				
4950	24822201AC	1	Gear+Output Shaft Kit+Spacer				
4950	24823201AC	1	Gear+Output Shaft Kit+Spacer				
4950	24824201AC	1	Gear+Output Shaft Kit+Spacer				
51	24820209	1	Spacer, Output Shaft				
52	24820212	1	Conical Roller Bearing 30210-J2/Q				
53	24820224	1	Flange, Output				
54	24820225	1	O-Ring D. 45X3,5				
55	24820219	1	BUTT Washer				
56	24820220	1	Pin				
57	24820221	1	Washer D.16				
58	24820222.1	1	Screw				
140	24820333.1	0	Shim	#			



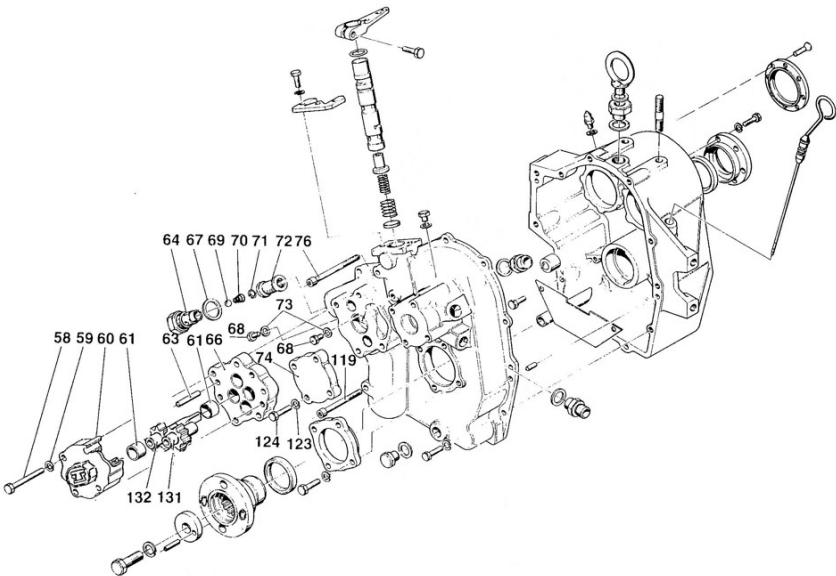
D_5030_1.1 Sheet 1.1/4

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
100	24810103S	1	Grommet, Oil SILICON			
107	24810001	1	Front Body TM 93			
108	24810080	1	Plate Pipe			
109	24810081	1	ASPIRATION Tube			
110	24810082	2	Screw			
111	24810060	1	Racord			
112	24810059	1	Plane Washer			
113	24810085	2	Pin			
114	24810002	1	Reverse Body TM 93			
115	53033008	13	Washer GROWER DIN 127-8			
116	52102258	13	Bolt DIN 933 M8-25 8.8			
117	24810088	1	Plane Washer			
118	24810011	1	Plug,oil drain			
120	24810090	1	Cover			
125	24810214	1	Oil Grommet			
126	24810224	1	Flange, Output			
127	24810219	1	BUTT Washer			
128	24840220	1	Pin			
129	24810221	1	Washer			
130	24810222	1	Bolt DIN 933 M14X40 12.9			
NS	24810046	1	Pump Assy Oil			
NS	24810098	3	Screw			

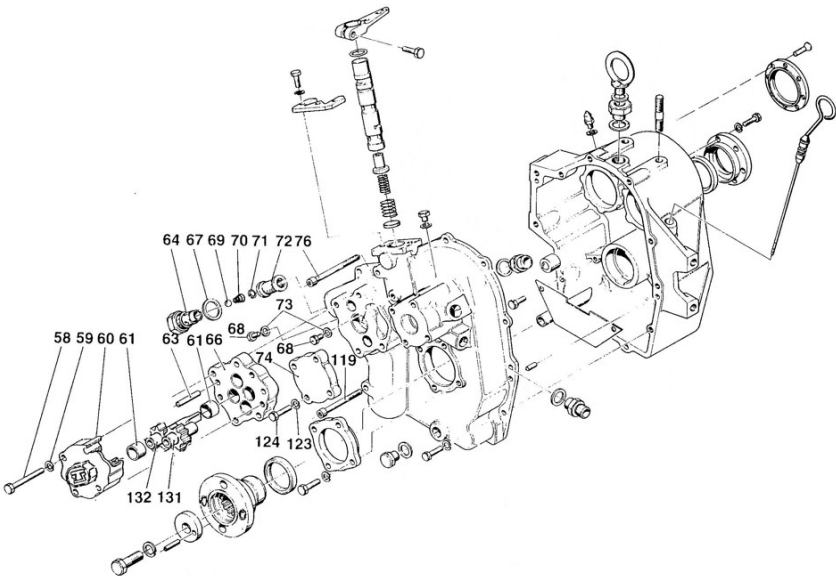


D_5030_1.2 Sheet 1.2/4

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
58	52101266	4	Bolt DIN 931 M8-65 8.8			
58	52101266	4	Bolt DIN 931 M8-65 8.8			
59	24810014	4	Washer			
59	24810014	4	Washer			
60	24810004	1	Oil Pump Body Cover			
60	24810004	1	Oil Pump Body Cover			
61	24810025	4	Bushing			
61	24810025	4	Bushing			
63	24820023.1	2	Pin			
63	24820023.1	2	Pin			
64	24810024	1	Plug, Oil Filter DRAIN			
64	24810024	1	Plug, Oil Filter DRAIN			
66	24810003	1	Oil Pump Body, Engine Side			
66	24810003	1	Oil Pump Body, Engine Side			
67	24810027	1	Washer			
67	24810027	1	Washer			
68	24810028	2	Screw			
68	24810028	2	Screw			
69	18024143	1	Ball,steel 1/2"			
69	18024143	1	Ball,steel 1/2"			
70	24810030	1	Valve Spring			
70	24810030	1	Valve Spring			
71	24810032	1	SNAP Ring			
71	24810032	1	SNAP Ring			
72	24810035	1	Oil Filter			
72	24810035	1	Oil Filter			
73	24810036	2	Washer			
73	24810036	2	Washer			
74	24810038	1	Cover			
74	24810038	1	Cover			
76	24810040	1	Screw			

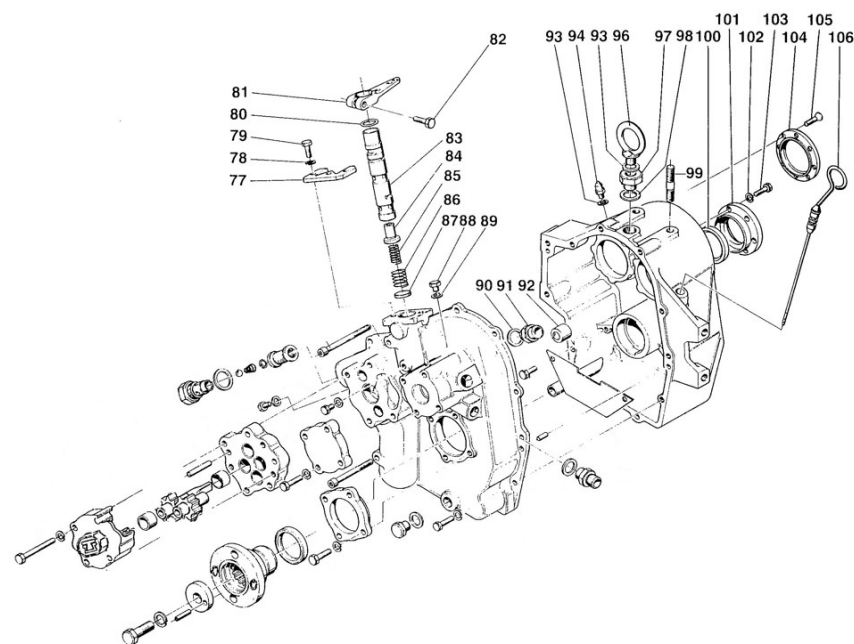


D_5030_1.2		Sheet 1.2/4				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
119	24810089	1	Screw			
123	53033008	4	Washer GROWER DIN 127-8			
123	53033008	4	Washer GROWER DIN 127-8			
124	52102258	4	Bolt DIN 933 M8-25 8.8			
124	52102258	4	Bolt DIN 933 M8-25 8.8			
131	24810095	1	Gear, Driven			
131	24810095	1	Gear, Driven			
132	24810096	1	Gear, Driver			
132	24810096	1	Gear, Driver			
NS	52103158	3	Bolt DIN 912 M6-25 8.8			
NS	52103158	3	Bolt DIN 912 M6-25 8.8			



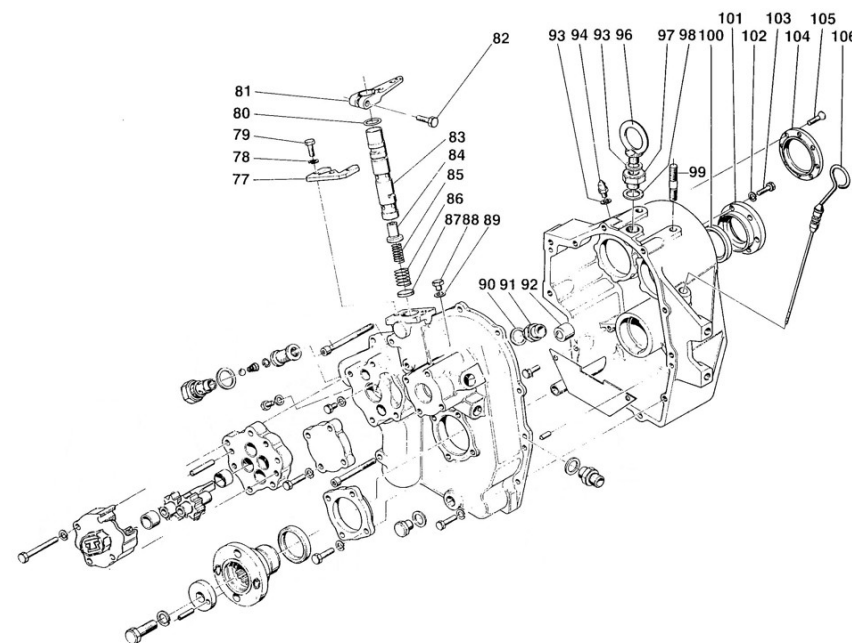
D_5030_1.3 Sheet 1.3/4

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
77	24810041	1	Support			
77	24810041	1	Support			
78	24810042	2	Washer			
78	24810042	2	Washer			
79	24810044	2	Screw			
79	24810044	2	Screw			
80	24810056	1	O-Ring			
80	24810056	1	O-Ring			
81	24810424	1	Lever			
81	24810424	1	Lever			
82	24810047	1	Screw			
82	24810047	1	Screw			
83	24810051	1	Distributor			
83	24810051	1	Distributor			
84	24810052	1	Valve			
84	24810052	1	Valve			
85	24810053	1	Spring, Valve INNER			
85	24810053	1	Spring, Valve INNER			
86	24810054	1	Spring, Valve			
86	24810054	1	Spring, Valve			
87	24810055	1	Expansion Plug			
87	24810055	1	Expansion Plug			
88	24810028	1	Screw			
88	24810028	1	Screw			
89	24810036	1	Washer			
89	24810036	1	Washer			
90	24810059	1	Plane Washer			
90	24810059	1	Plane Washer			
91	24810060	1	Racord			
91	24810060	1	Racord			
92	24810062	1	Valve BY PASS			



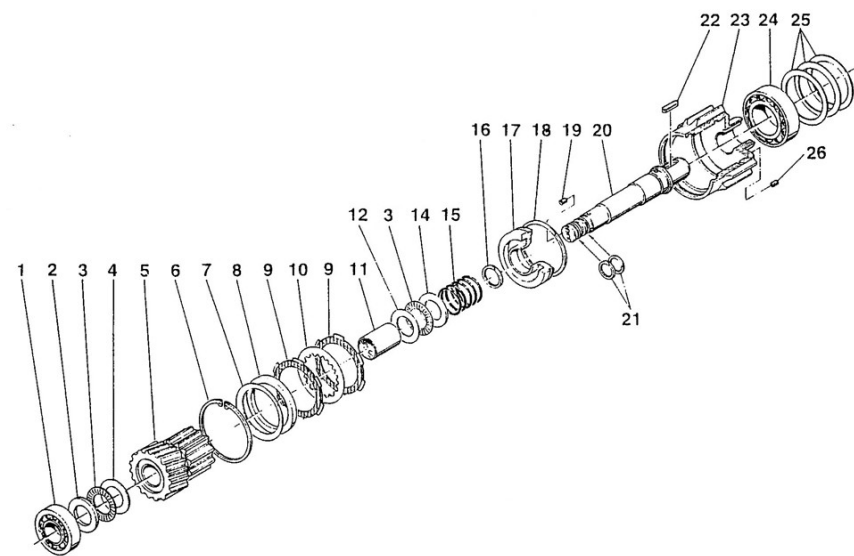
D_5030_1.3 Sheet 1.3/4

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
93	24810063	2	Plane Washer			
94	24810065	1	Plug			
94	24810065	1	Plug			
96	24810012	1	Nut			
96	24810012	1	Nut			
97	24810068	1	Plug			
97	24810068	1	Plug			
98	56000083	1	Washer 21-26-1,5			
98	56000083	1	Washer 21-26-1,5			
99	24810071	2	Stud			
99	24810071	2	Stud			
100	24810103S	1	Grommet, Oil SILICON			
100	24810103S	1	Grommet, Oil SILICON			
101	24810072	1	Cover			
101	24810072	1	Cover			
102	53033008	6	Washer GROWER DIN 127-8			
102	53033008	6	Washer GROWER DIN 127-8			
103	52102258	6	Bolt DIN 933 M8-25 8.8			
103	52102258	6	Bolt DIN 933 M8-25 8.8			
104	24810075	1	Cover			
104	24810075	1	Cover			
105	24810076	8	Screw			
105	24810076	8	Screw			
106	24830008	1	ROD, LEVEL Oil			
106	24830008	1	ROD, LEVEL Oil			

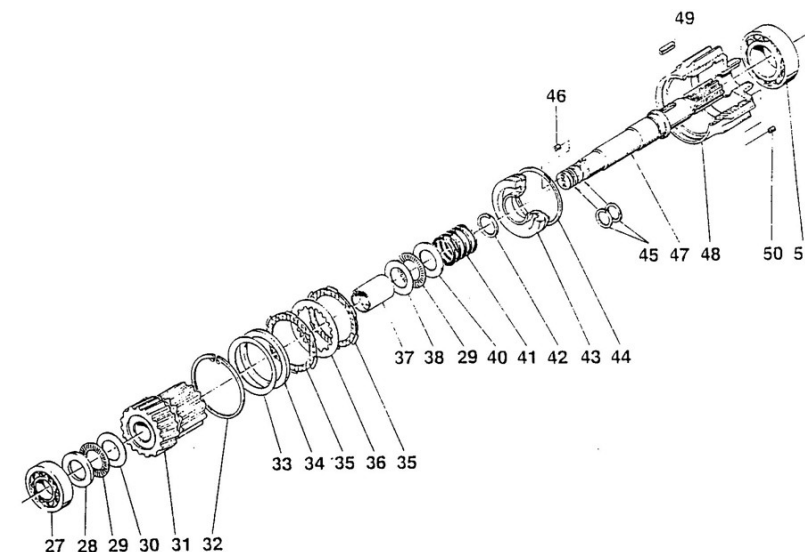


D_5030_2 Intermediate Shaft 2/4

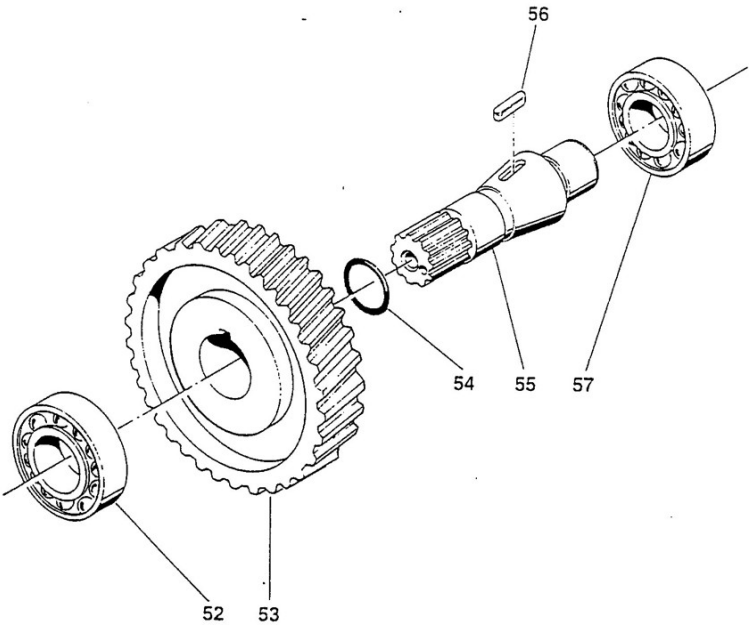
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	24870207	1	Bearing			
2	24810307	1	Washer			
3	24810309	2	Roller			
4	24810310	1	Ring			
5A	24812302	1	Gear R. 1,5 TM 93			
5B	24813302	1	Gear R. 2 TM 93			
5C	24814302	1	Gear R. 2,4 TM 93			
5D	24815302	1	Gear R. 2,8 TM 93			
6	24810312	1	SNAP Ring			
7	24810313	1	Ring			
8	24810314	1	Grommet			
9	24810315	10	Disk			
10	24810316	9	Disk			
11	24810317	1	BushING			
12	24870118	1	THRUST RACE			
14	24870318	1	THRUST RACE			
15	24810322	1	Spring			
16	24810323	1	Washer			
17	24810324	1	Piston			
18	24810325	1	Washer			
19	24810326	1	Plug			
20	24810301	1	INTERMEDIATE Shaft			
21	24810328	2	Washer			
22	24810329	1	KEY			
23	24810330	1	Bell			
24	24870206	1	Bearing			
25	24810333	0	Spacer	#		
26	24810334	1	Plug			



D_5030_3		Input Shaft 3/4			
Fig.	Ref.	Qty.	Descr.	Obs	From UpTo
27	24870207	1	Bearing		
28	24810307	1	Washer		
29	24810309	2	Roller		
30	(*)	1	Not available		
31A	24812302	1	Gear R. 1,5 TM 93		
31B	24813302	1	Gear R. 2 TM 93		
31C	24814302	1	Gear R. 2,4 TM 93		
31D	24815302	1	Gear R. 2,8 TM 93		
32	24810312	1	SNAP Ring		
33	24810313	1	Ring		
34	24810314	1	Grommet		
35	24810315	10	Disk		
36	24810316	9	Disk		
37	24810317	1	BushING		
38	24870118	1	THRUST RACE		
40	24870318	1	THRUST RACE		
41	24810322	1	Spring		
42	24810323	1	Washer		
43	24810324	1	Piston		
44	24810325	1	Washer		
45	24810328	2	Washer		
46	24810326	1	Plug		
47	24810101	1	Input Shaft		
48	24810330	1	Bell		
49	24810329	1	KEY		
50	24810334	1	Plug		
51	24870206	1	Bearing		

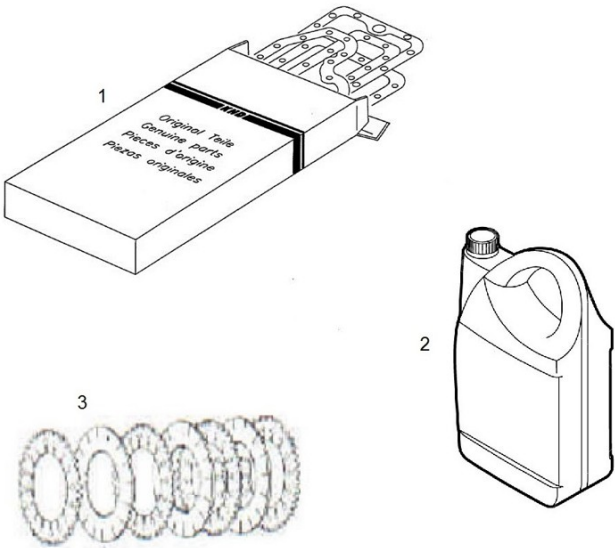


D_5030_4		Output Shaft 4/4			
Fig.	Ref.	Qty.	Descr.	Obs	From UpTo
52	24810206	1	Conical Roller Bearing 32208		
5355	24812201C	1	Gear+Output Shaft Kit R 1.51		
5355	24813201C	1	Gear+Output Shaft Kit R 2.09		
5355	24814201C	1	Gear+Output Shaft Kit R 2.40		
5355	24815201C	1	Gear+Output Shaft Kit R 2.77		
54	24810209	1	O-Ring D. 38X3,5		
57	24810212	1	Bearing		



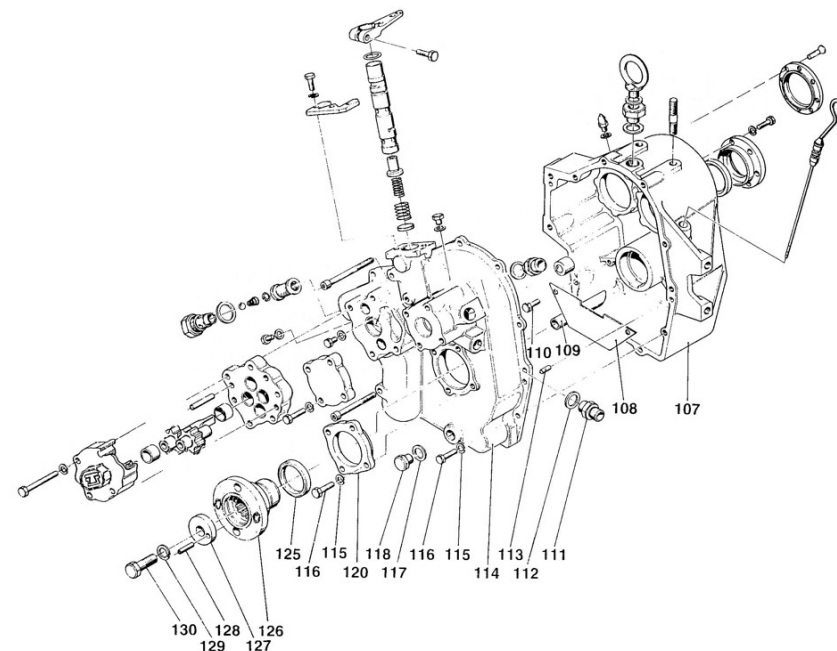


D_5030_5Maintenance Kit					
Fig.	Ref.	Qty.	Descr.	Obs	FromUpTo
1	24810401	1	Kit Gasket		
2	A0105000	1	15W40 Sole Diesel Oil 5L		
3	24810403	2	Clutch Plate Kit		



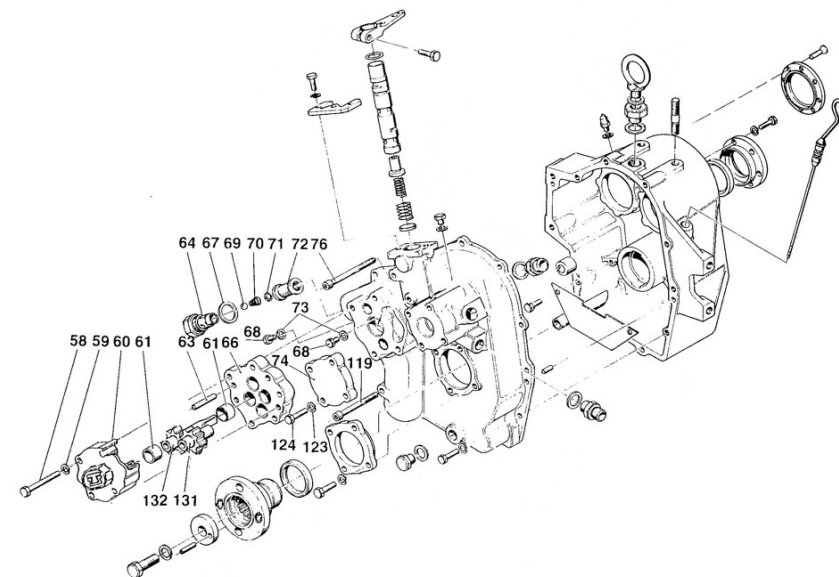
D_5031_1.1 Sheet 1.1/4

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
107	24810001A	1	Front Body TM 93A			
108	24810080	1	Plate Pipe			
109	24810081	1	ASPIRATION Tube			
110	24810082	2	Screw			
111	24810060	1	Racord			
112	24810059	1	Plane Washer			
113	24810085	2	Pin			
114	24810002A	1	Reverse Body TM 93A			
115	53033008	13	Washer GROWER DIN 127-8			
116	52102258	13	Bolt DIN 933 M8-25 8.8			
117	24810088	1	Plane Washer			
118	24810011	1	Plug,oil drain			
120	24810090	1	Cover			
125	24810214	1	Oil Grommet			
126	24810224	1	Flange, Output			
127	24810219	1	BUTT Washer			
128	24840220	1	Pin			
129	24810221	1	Washer			
130	24810222	1	Bolt DIN 933 M14X40 12.9			
NS	24810046	1	Pump Assy Oil			
NS	24810098	3	Screw			



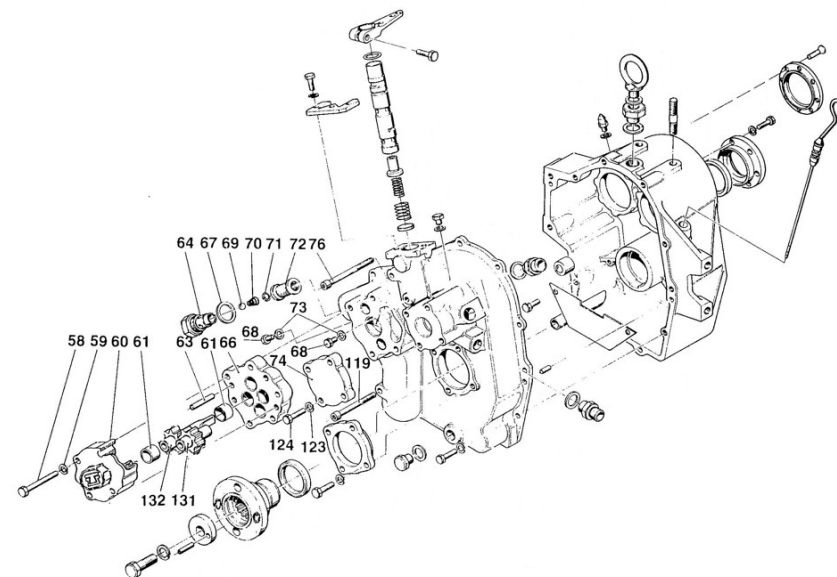
D_5030_1.2 Sheet 1.2/4

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
58	52101266	4	Bolt DIN 931 M8-65 8.8			
58	52101266	4	Bolt DIN 931 M8-65 8.8			
59	24810014	4	Washer			
59	24810014	4	Washer			
60	24810004	1	Oil Pump Body Cover			
60	24810004	1	Oil Pump Body Cover			
61	24810025	4	Bushing			
61	24810025	4	Bushing			
63	24820023.1	2	Pin			
63	24820023.1	2	Pin			
64	24810024	1	Plug, Oil Filter DRAIN			
64	24810024	1	Plug, Oil Filter DRAIN			
66	24810003	1	Oil Pump Body, Engine Side			
66	24810003	1	Oil Pump Body, Engine Side			
67	24810027	1	Washer			
67	24810027	1	Washer			
68	24810028	2	Screw			
68	24810028	2	Screw			
69	18024143	1	Ball,steel 1/2"			
69	18024143	1	Ball,steel 1/2"			
70	24810030	1	Valve Spring			
70	24810030	1	Valve Spring			
71	24810032	1	SNAP Ring			
71	24810032	1	SNAP Ring			
72	24810035	1	Oil Filter			
72	24810035	1	Oil Filter			
73	24810036	2	Washer			
73	24810036	2	Washer			
74	24810038	1	Cover			
74	24810038	1	Cover			
76	24810040	1	Screw			



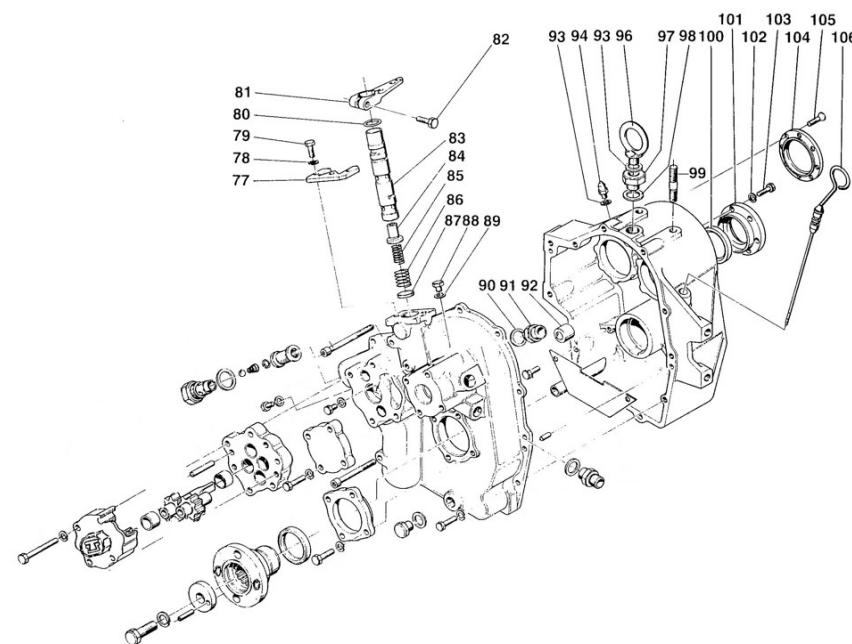
D_5030_1.2 Sheet 1.2/4

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
119	24810089	1	Screw			
123	53033008	4	Washer GROWER DIN 127-8			
123	53033008	4	Washer GROWER DIN 127-8			
124	52102258	4	Bolt DIN 933 M8-25 8.8			
124	52102258	4	Bolt DIN 933 M8-25 8.8			
131	24810095	1	Gear, Driven			
131	24810095	1	Gear, Driven			
132	24810096	1	Gear, Driver			
132	24810096	1	Gear, Driver			
NS	52103158	3	Bolt DIN 912 M6-25 8.8			
NS	52103158	3	Bolt DIN 912 M6-25 8.8			



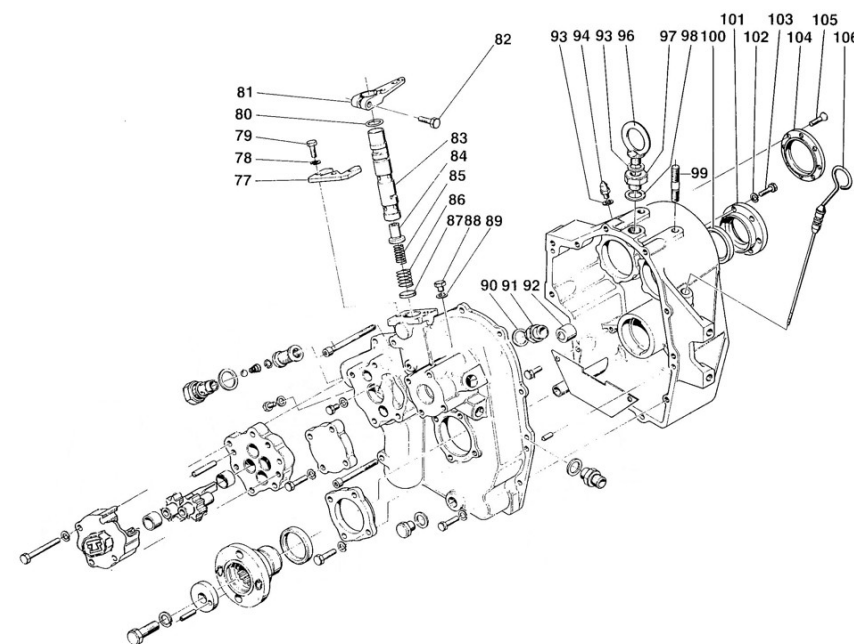
D_5030_1.3 Sheet 1.3/4

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
77	24810041	1	Support			
77	24810041	1	Support			
78	24810042	2	Washer			
78	24810042	2	Washer			
79	24810044	2	Screw			
79	24810044	2	Screw			
80	24810056	1	O-Ring			
80	24810056	1	O-Ring			
81	24810424	1	Lever			
81	24810424	1	Lever			
82	24810047	1	Screw			
82	24810047	1	Screw			
83	24810051	1	Distributor			
83	24810051	1	Distributor			
84	24810052	1	Valve			
84	24810052	1	Valve			
85	24810053	1	Spring, Valve INNER			
85	24810053	1	Spring, Valve INNER			
86	24810054	1	Spring, Valve			
86	24810054	1	Spring, Valve			
87	24810055	1	Expansion Plug			
87	24810055	1	Expansion Plug			
88	24810028	1	Screw			
88	24810028	1	Screw			
89	24810036	1	Washer			
89	24810036	1	Washer			
90	24810059	1	Plane Washer			
90	24810059	1	Plane Washer			
91	24810060	1	Racord			
91	24810060	1	Racord			
92	24810062	1	Valve BY PASS			



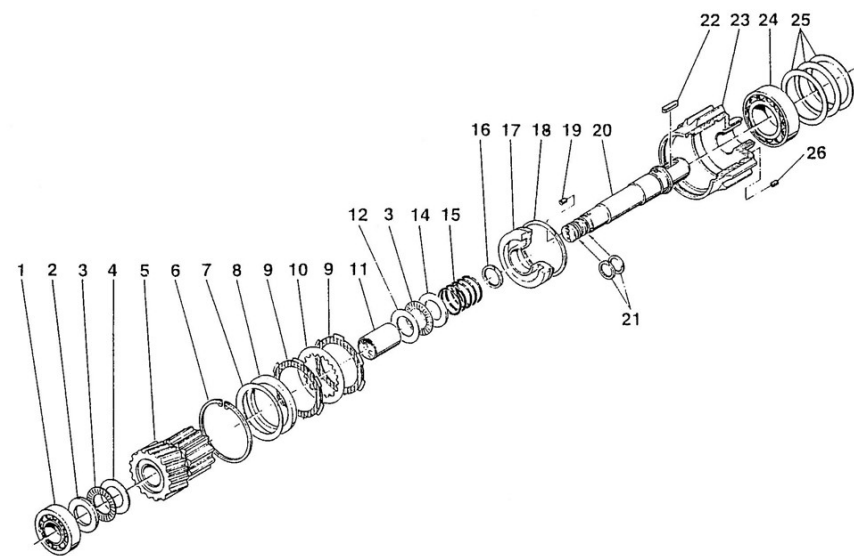
D_5030_1.3 Sheet 1.3/4

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
93	24810063	2	Plane Washer			
94	24810065	1	Plug			
94	24810065	1	Plug			
96	24810012	1	Nut			
96	24810012	1	Nut			
97	24810068	1	Plug			
97	24810068	1	Plug			
98	56000083	1	Washer 21-26-1,5			
98	56000083	1	Washer 21-26-1,5			
99	24810071	2	Stud			
99	24810071	2	Stud			
100	24810103S	1	Grommet, Oil SILICON			
100	24810103S	1	Grommet, Oil SILICON			
101	24810072	1	Cover			
101	24810072	1	Cover			
102	53033008	6	Washer GROWER DIN 127-8			
102	53033008	6	Washer GROWER DIN 127-8			
103	52102258	6	Bolt DIN 933 M8-25 8.8			
103	52102258	6	Bolt DIN 933 M8-25 8.8			
104	24810075	1	Cover			
104	24810075	1	Cover			
105	24810076	8	Screw			
105	24810076	8	Screw			
106	24830008	1	ROD, LEVEL Oil			
106	24830008	1	ROD, LEVEL Oil			

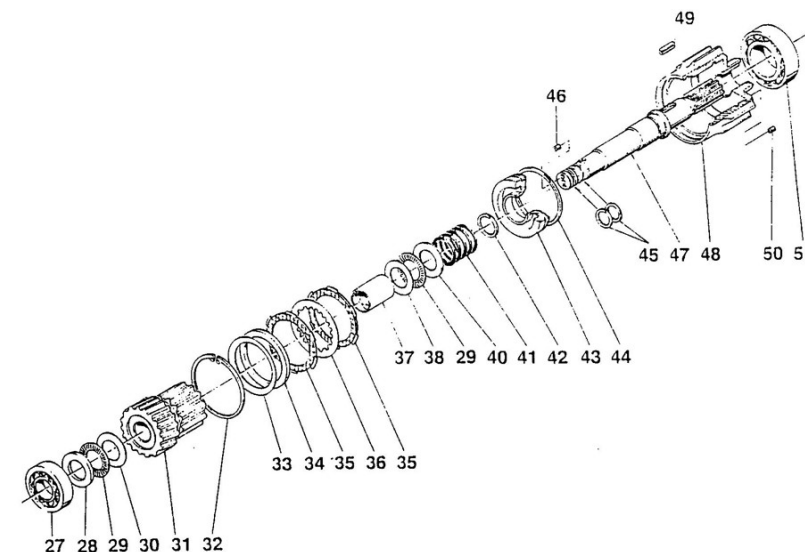


D_5031_2 Intermediate Shaft 2/4

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	24870207	1	Bearing			
2	24810307	1	Washer			
3	24810309	2	Roller			
4	24810310	1	Ring			
5	24812302A	1	Gear R. 1,5 TM 93A			
5	24813302A	1	Gear Red. 2 TM 93A			
5	24814302A	1	Gear R. 2,4 TM 93A			
6	24810312	1	SNAP Ring			
7	24810313	1	Ring			
8	24810314	1	Grommet			
9	24810315	10	Disk			
10	24810316	9	Disk			
11	24810317	1	BushING			
12	24870118	1	THRUST RACE			
14	24870318	1	THRUST RACE			
15	24810322	1	Spring			
16	24810323	1	Washer			
17	24810324	1	Piston			
18	24810325	1	Washer			
19	24810326	1	Plug			
20	24810301	1	INTERMEDIATE Shaft			
21	24810328	2	Washer			
22	24810329	1	KEY			
23	24810330	1	Bell			
24	24870206	1	Bearing			
25	24810333	0	Spacer	#		
26	24810334	1	Plug			

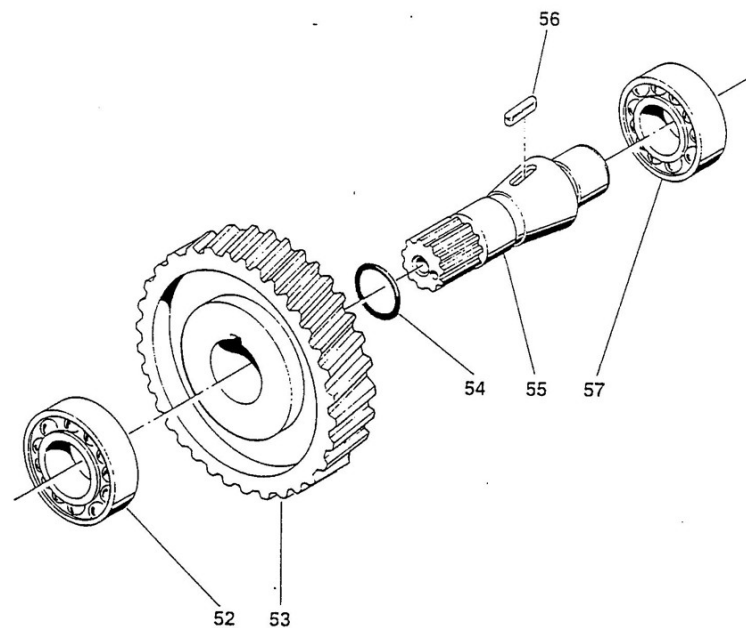


D_5031_3		Input Shaft 3/4			
Fig.	Ref.	Qty.	Descr.	Obs	From UpTo
27	24870207	1	Bearing		
28	24810307	1	Washer		
29	24810309	2	Roller		
30	(*)	1	Not available		
31	24812302	1	Gear R. 1,5 TM 93		
31	24813302	1	Gear R. 2 TM 93		
31	24814302	1	Gear R. 2,4 TM 93		
32	24810312	1	SNAP Ring		
33	24810313	1	Ring		
34	24810314	1	Grommet		
35	24810315	10	Disk		
36	24810316	9	Disk		
37	24810317	1	BushING		
38	24870118	1	THRUST RACE		
40	24870318	1	THRUST RACE		
41	24810322	1	Spring		
42	24810323	1	Washer		
43	24810324	1	Piston		
44	24810325	1	Washer		
45	24810328	2	Washer		
46	24810326	1	Plug		
47	24810101	1	Input Shaft		
48	24810330	1	Bell		
49	24810329	1	KEY		
50	24810334	1	Plug		
51	24870206	1	Bearing		



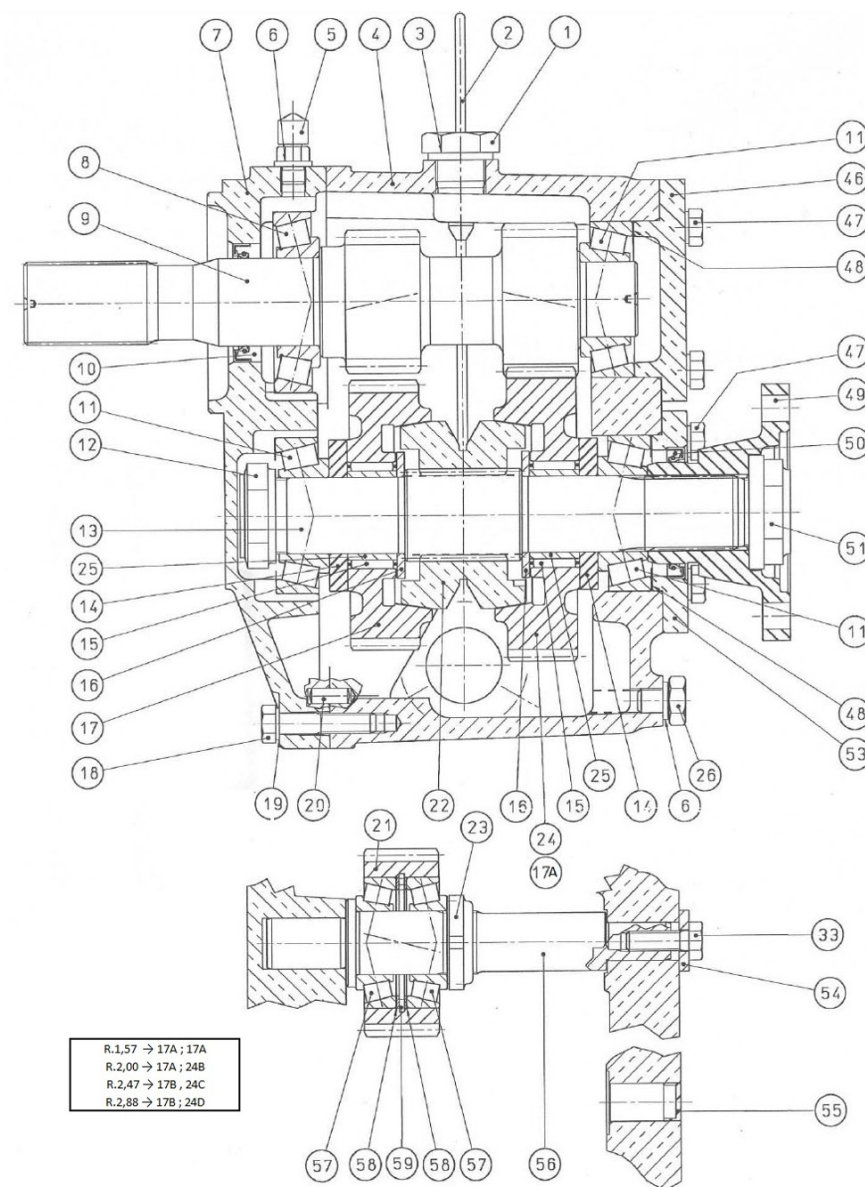
D_5031_4 **Output Shaft 4/4**

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
52	24810206	1	Conical Roller Bearing 32208			
5355	24812201AC	1	Gear+Output Shaft Kit			
5355	24813201AC	1	Gear+Output Shaft Kit r 2,09			
5355	24814201AC	1	Gear+Output Shaft Kit r 2,40			
54	24810209	1	O-Ring D. 38X3,5			
57	24810212	1	Bearing			



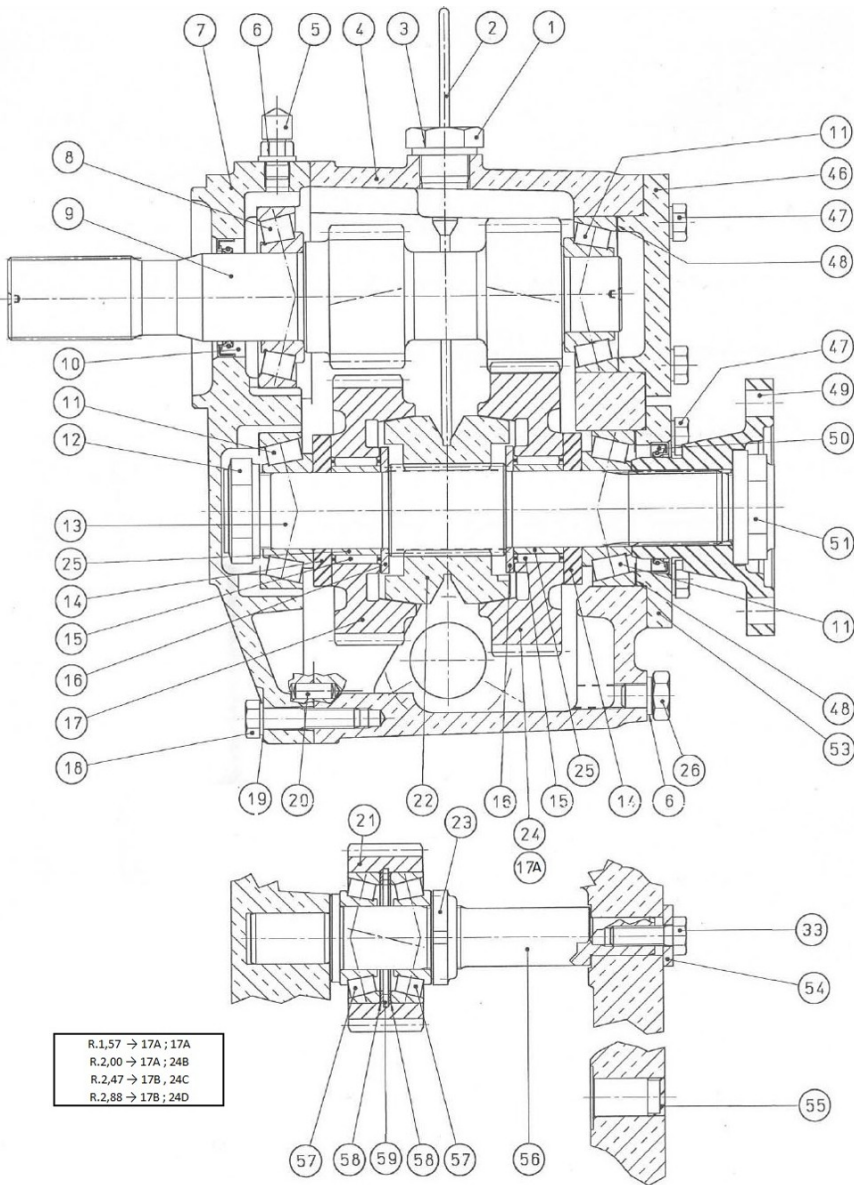
D_5032_1 Sheet 1/3

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	24830011	1	Plug			
2	24890008	1	Gauge Oil Level			
3	56000083	1	Washer 21-26-1,5			
4	24890001	1	Cover			
5	24810065	1	Plug			
6	24810063	2	Plane Washer			
7	24890102	1	Cover			
8	24850212	1	Conical Roller Bearing 30207A			
9A	24895101	1	Input Shaft			
9B	24894101	1	Input Shaft			
9C	24893101	1	Input Shaft			
9D	24892101	1	Input Shaft			
10	24810103	1	Oil Grommet			
11	25710104	3	Conical Roller Bearing 32206-J2/Q			
12	24880222	1	Nut			
13	24880201	1	Shaft Output			
14	24880217	2	Shim			
15	24880204	2	Bearing, needle			
16	24880218	2	Shim			
17A	24894203	1	Gear			
17B	24892203	1	Gear			
18	52101261	9	Bolt DIN 931 M8-40 8.8			
19	24850093	17	Washer			
20	24860023	2	Pin			
21	24890302	1	Gear			
22	24890202	1	Clutch			
23	24890307	1	Nut			
24B	24895210	1	Gear			
24C	24894210	1	Gear			
24D	24893210	1	Gear			
25	24880205	2	CAGE			



D_5032_1 Sheet 1/3

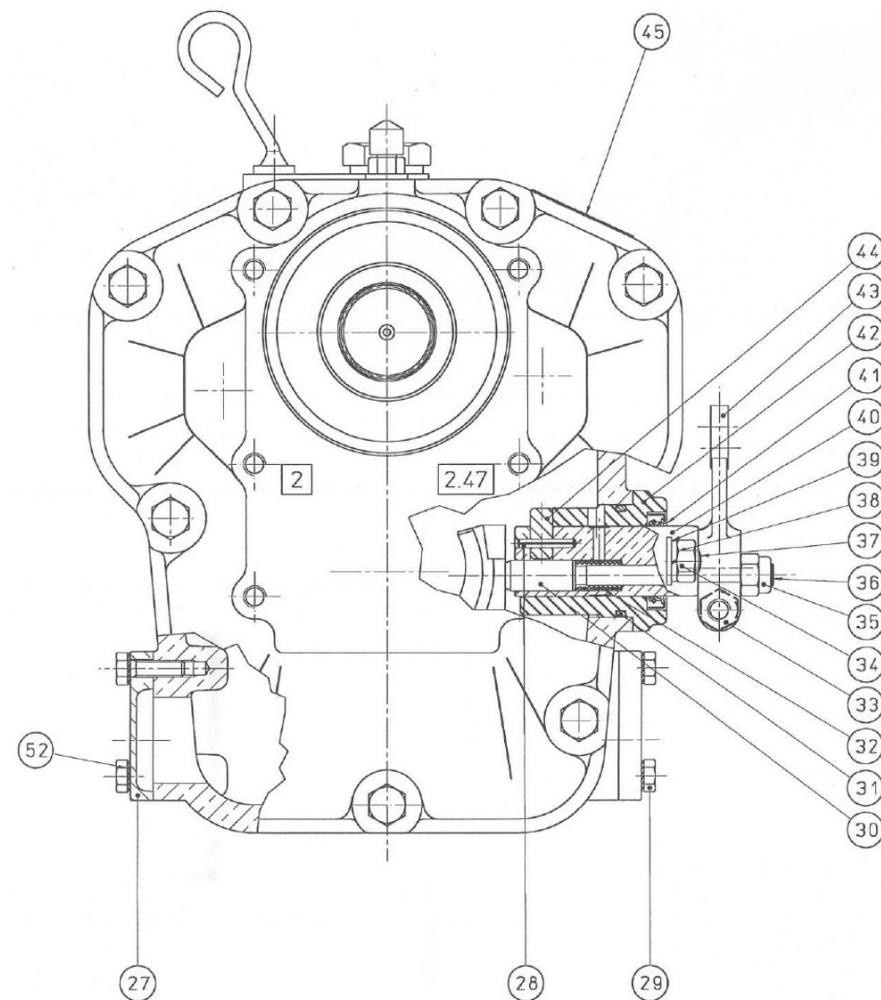
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
26	24850011	1	Plug,oil drain			
33	52102258	1	Bolt DIN 933 M8-25 8.8			
46	24890205	1	Cover			
47	52102259	8	Bolt DIN 933 M8-30 8.8			
48	24813500.67	6	Spacer			
49	24880224	1	Flange Output			22/11/2019
50	24890214	1	Oil Seal			
51	24850099	1	Nut			
53	24890208	1	Cover			
54	24890306	1	Washer			
55	24890305	1	Plug			
56	24890301	1	INTERMEDIATE Shaft			
57	24860207	2	Conical Roller Bearing 30205A			
58	24890304	2	Washer			
59	53041052	1	CIRClip DIN 472 I-52			



D_5032_2

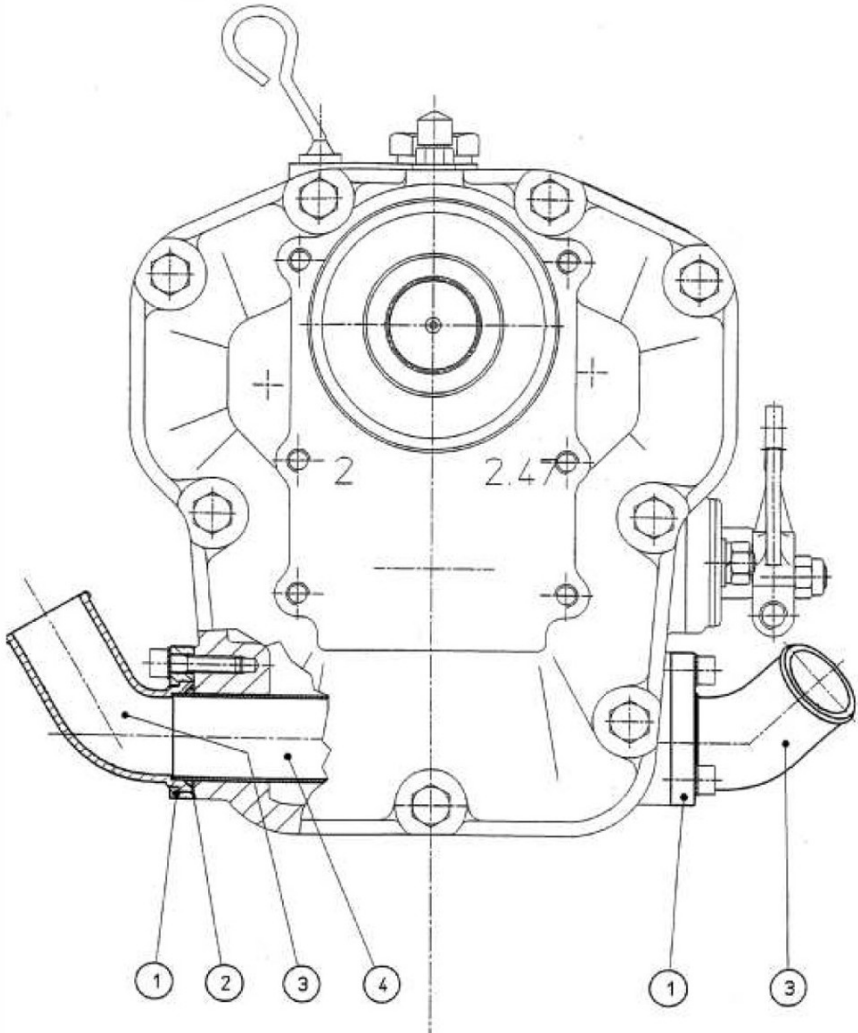
Sheet 2/3

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
27	24890026	2	Cover			
28	53052210	1	Pin DIN 1481 3-20			
29	52102257	6	Bolt DIN 933 M8-20 8.8			
30	24880423	1	Pad			
31	24860417	1	O-Ring			
32	24860411	1	Spring			
33	52102258	1	Bolt DIN 933 M8-25 8.8			
34	52120008	2	Nut DIN 934 M8 8.8			
35	51123008	1	Nut DIN 985 M8 5.6			
36	52111260	1	ROD DIN 913 M8-35 8.8			
37	24860071	2	STUD			
38	53033008	2	Washer GROWER DIN 127-8			
39	51030008	2	Washer DIN 125-8			
40	24880402	1	Shaft			
41	24860404	1	Oil Seal			
42	24880401	1	Cover			
43	24810424	1	Lever			
44	24860419	1	Pin			
45	24850005	1	Plate, IDENTIFICATION			
52	53038006	6	Washer DIN 6798-A 6			
NS	24890021	1	SAE 7 - BW housing coupling TMC			



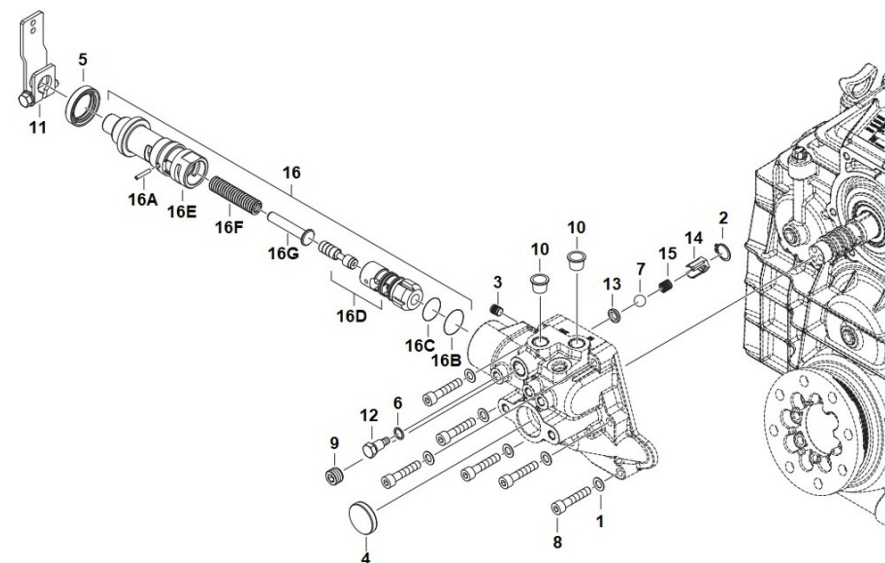
D_5032_3 Cooling System 3/3

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	24890051	2	Cover			
2	24890052	2	O-Ring D. 32X2,5			
3	24890053	2	Elbow			
4	24890054	1	Cooler Pipe			



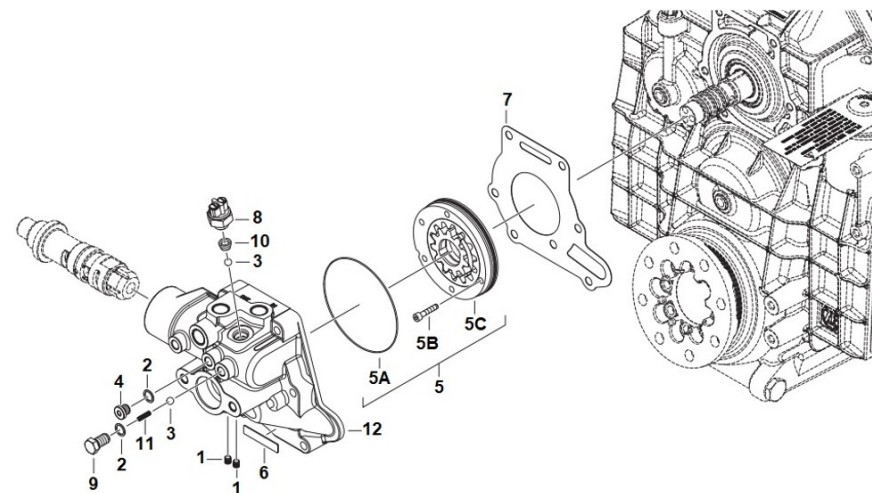
D_ZF68_1 Sheet 1/5

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	Z0630100251	7	Spring Washer			
2	Z0630502005	1	Circlip			
3	Z0631405003	1	Plug			
4	Z0631405061	1	Plug			
5	Z0634309621	1	Shaft Seal			
6	Z0634801152	3	Sealing Ring			
7	Z0635460023	1	Ball			
8	Z0636115291	6	Cap Screw			
9	Z0636309007	1	Drain Plug			
10	Z0637510251	2	Plug			
11	Z3312208032	1	Lever			
12	Z3312308195	1	Locking Screw			
13	Z3312308036	1	Spacer			
14	Z3312308038	1	Bush			
15	Z3312308042	1	Compression Spring			
16	Z3312108021	1	Control Unit			
16A	Z0631313002	1	Cylindrical Pin			
16B	Z0634303233	1	O-Ring			
16C	Z0634304539	1	O-Ring			
16D	Z3312208009	1	Valve Part			
16E	Z3312308033	1	Valve Body			
16F	Z3312308040	1	Compression Spring			
16G	Z3312308043	1	Guide Pin			



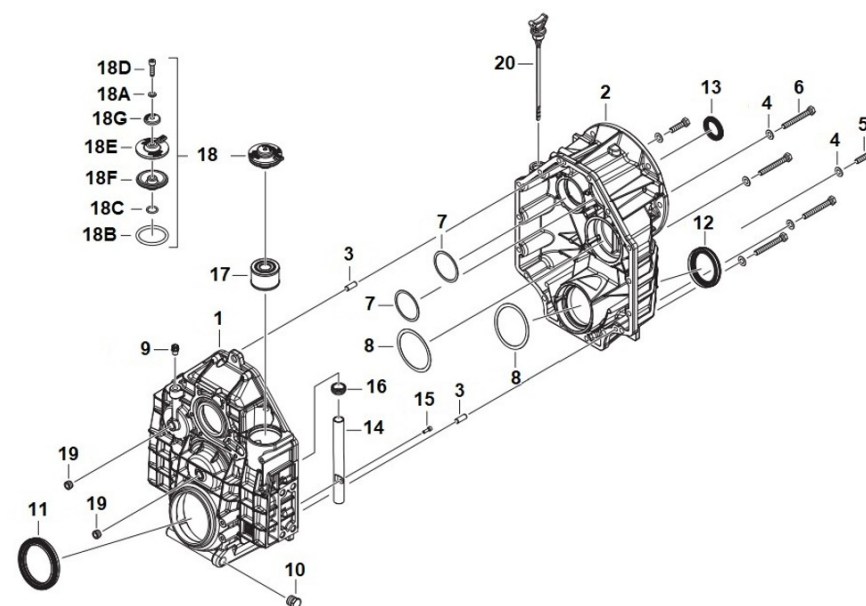
D_ZF68_2 Sheet 2/5

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	Z0631100217	2	Plug			
2	Z0634801152	3	Sealing Ring			
3	Z0635460014	2	Ball			
4	Z0636100793	1	Screw Plug			
5	Z3312106002	1	Pump Drive			
5A	Z0634303373	1	O-Ring			
5B	Z0636102006	5	Cap Screw			
5C	Z3312206101	1	Gear Pump			
6	Z3312308202	1	Plate			
7	Z3312308020	1	Gasket			
8	Z3312308029	1	Cut-Out Switch			
9	Z3312308037	1	Threaded Bush			
10	Z3312308039	1	Beilegring			
11	Z3312308047	1	Compression Spring			
12	Z3312308188	1	Distributor Piece			



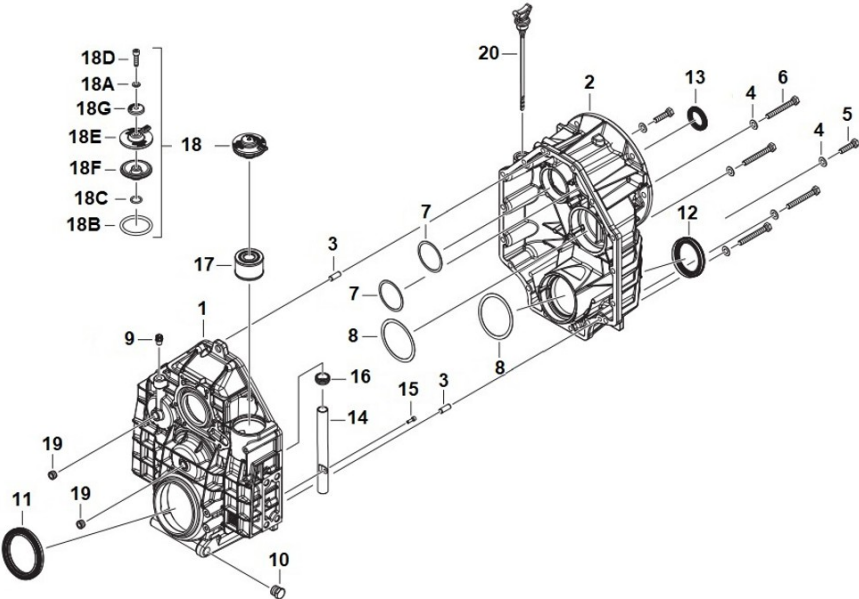
D_ZF68_3 Sheet 3/5

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	Z3312301100	1	Housing			
2	Z3312201004	1	Housing Cover			
3	Z0631315520	2	Cylindrical Pin			
4	Z0630100241	16	Spring Washer			
5	Z0636015683	12	Hexagon Screw			
6	Z0636100347	4	Hexagon Screw			
7A	Z3312302023	0	Shim 62.2X71.7X0.1	#		
7B	Z3312302024	0	Shim 62.2X71.7X0.15	#		
7C	Z3312302025	0	Shim 62.2X71.7X0.2	#		
7D	Z3312302026	0	Shim 62.2X71.7X0.5	#		
8A	Z3312304022	0	Shim 0.1	#		
8B	Z3312304023	0	Shim 0.15	#		
8C	Z3312304024	0	Shim 0.3	#		
8D	Z3207303013	0	Shim H=0.50	#		
9	Z0501396898	1	Breather			
10	Z3312301017	1	Drain Plug			
11	Z0501399222	1	Shaft Seal			
12	Z0501399223	1	Shaft Seal			
13	Z0501399224	1	Shaft Seal			
14	Z3312301034	1	Tube			
15	Z0636101439	1	Cap Screw			
16	Z3312301008	1	Profiled Seal Ring			
17	Z3312301007	1	Oil Filter			
18	Z3312101003	1	Cover			
18A	Z0630100295	1	Washer			
18B	Z0634304688	1	O-Ring			
18C	Z0634306204	1	O-Ring			
18D	Z0636100790	1	Cap Screw			
18E	Z3312301009	1	Filter Cover			
18F	Z3312301010	1	Filter Cover			
18G	Z3312301014	1	Filter Cover			



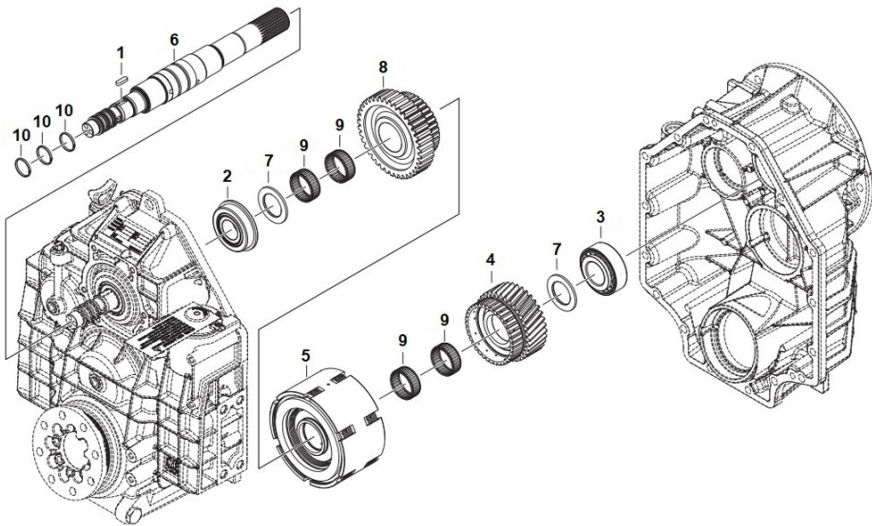
D_ZF68_3 Sheet 3/5

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
19	Z0636100473	1	Screw Plug			
20	Z3312201003	1	Oil Dipstick			



D_ZF68_4 Sheet 4/5

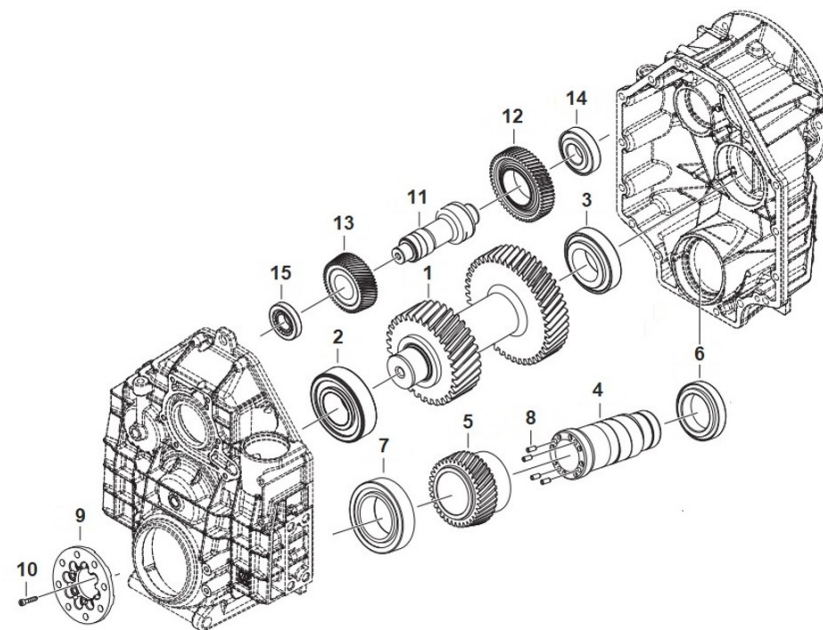
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	Z0631501062	1	Fitted Key			
2	Z0635501937	1	Ta.Roller Bearing			
3	Z0635501940	1	Ta.Roller Bearing			
4	Z3312302103	1	Gear			
5	Z3312202102	1	Clutch Cylinder			
6	Z3312302001	1	Input Shaft			
7	Z3312302004	2	Thrust Washer			
8	Z3312302104	1	Gear			
9	Z3312302040	4	Needle Cage			
10	Z3312302042	3	Sealing Ring			



D_ZF68_5

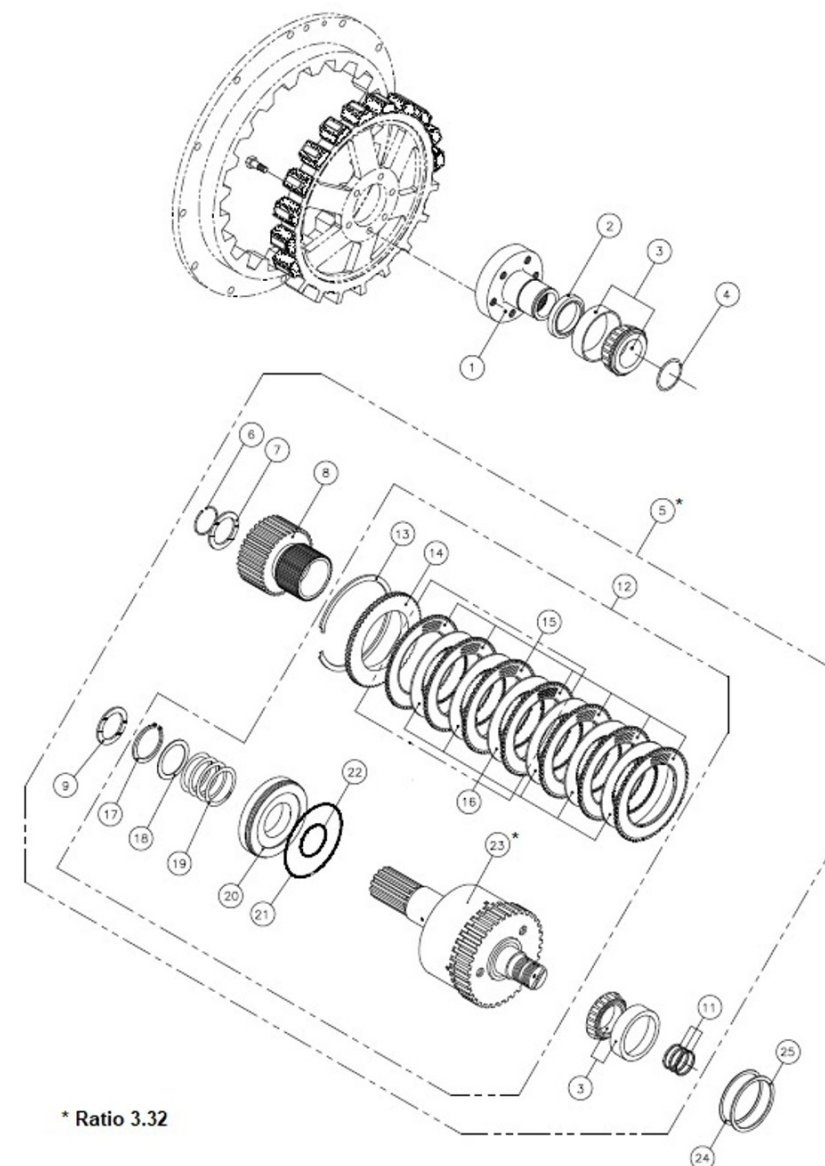
Sheet 5/5

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1A	Z3312303105	1	Intermediate Shaft Z/Z=45/32 R:1.56			
1B	Z3312303107	1	Intermediate Shaft Z=36 R:1.29			
1BC	Z3312303106	1	Gear Z=45 R:1.29 / 1.99 / 2.48			
1C	Z3312303109	1	Intermediate Shaft Z=27 R:1.99 / 2.48			
2	Z0635501941	1	Ta.Roller Bearing			
3	Z0735302485	1	Tapered Roller Bearing			
4	Z3312304014	1	Quill Shaft			
5A	Z3312304101	1	Gear Z=34 R:1.29 / 1.56 / 1.99			
5B	Z3312304100	1	Gear Z=41 R:2.48			
6	Z0635370020	1	Ta.Roller Bearing			
7	Z0635376005	1	Ta.Roller Bearing			
8	Z0631313008	4	Cylindrical Pin			
9	Z3312304105	1	Output Flange			
10	Z0636102823	8	Cap Screw			
11	Z3312303016	1	Interm.Shaft			
12A	Z3312303103	1	Gear Z=53 R:1.56			
12B	Z3312303101	1	Gear Z=49 R:1.29			
12C	Z3312303102	1	Gear Z=58 R:1.99 / 2.48			
13A	Z3312303110	1	Gear Z=33 R:1.29 / 1.56 / 1.99			
13C	Z3312303100	1	Gear Z=32 R:2.48			
14	Z0635100087	1	Ta.Roller Bearing			
15	Z0635376012	1	Tapered Roller Bearing			



D_50DB_1 Sheet 1/8

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	243D5010	1	Input Coupling Assy			
2	243D5011	1	Seal, Oil			
3	243D5012	1	Bearing, Taper Roller			
4	243D5013	1	Retainer			
5E	243D5101	1	Input Shaft Group			
6	243D5102	1	Retainer			
7	243D5103	1	Washer, Thrust			
8E	243D5104	1	Pinion, Assy			
9	243D5105	1	Washer, Thrust			
11	243D5106	3	Ring, Oil Seal			
12	243D5107	1	Input Shaft Assy			
13	243D5108	1	Ring, Snap Internal			
14	243D5109	1	Plate, Back			
15	243D5110	7	Plate, Sintered			
16	243D5111	6	Plate, Steel			
17	243D5112	1	Ring, Snap External			
18	243D5113	1	Washer			
19	243D5114	1	Spring, Return			
20	243D5115	1	Piston, Clutch			
21	243D5116	1	O-Ring			
22	243D5117	1	O-Ring			
23	243D5118	1	Input Shaft Sub Assy			
24A	243D5119	1	Shim			
24B	243D5120	1	Shim			
24C	243D5121	1	Shim			
25A	243D5122	1	Spacer			
25B	243D5123	1	Spacer			

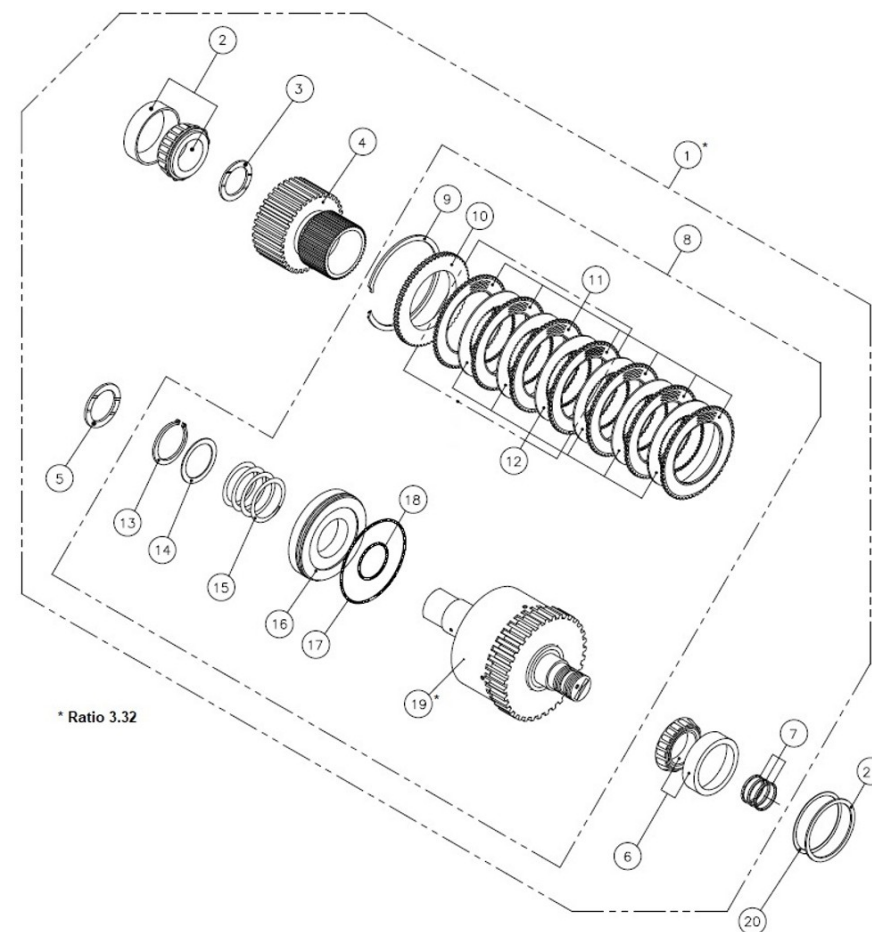


* Ratio 3.32

D_50DB_2

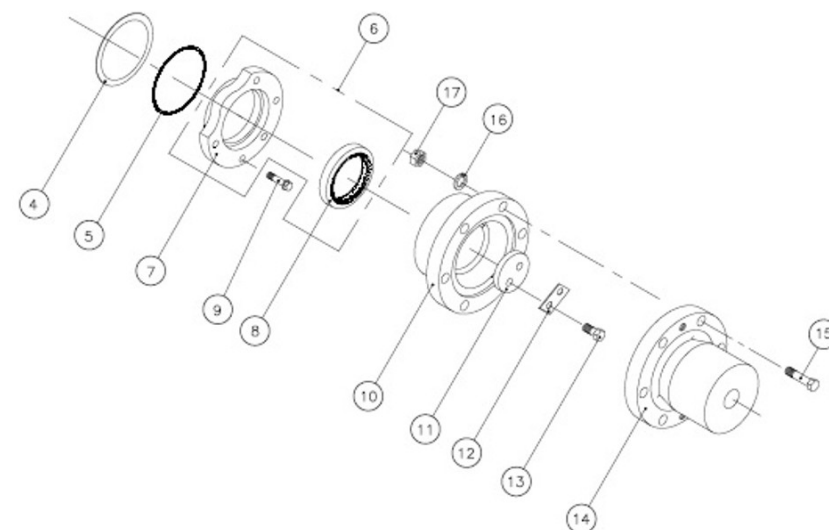
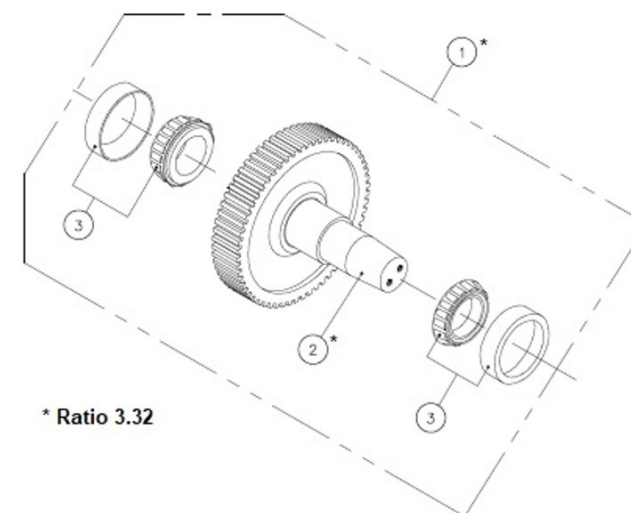
Sheet 2/8

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1E	243D5201	1	Astern Shaft Group			
2	243D5202	1	Bearing, Taper Roller			
3	243D5103	1	Washer, Thrust			
4E	243D5104	1	Pinion, Assy			
5	243D5105	1	Washer, Thrust			
6	243D5012	1	Bearing, Taper Roller			
7	243D5106	3	Ring, Oil Seal			
8	243D5203	1	Astern Shaft Assy			
9	243D5108	1	Ring, Snap Internal			
10	243D5109	1	Plate, Back			
11	243D5110	7	Plate, Sintered			
12	243D5111	6	Plate, Steel			
13	243D5112	1	Ring, Snap External			
14	243D5113	1	Washer			
15	243D5114	1	Spring, Return			
16	243D5115	1	Piston, Clutch			
17	243D5116	1	O-Ring			
18	243D5117	1	O-Ring			
19	243D5204	1	Astern Shaft Sub Assy			
20A	243D5119	1	Shim			
20B	243D5120	1	Shim			
20C	243D5121	1	Shim			
21A	243D5122	1	Spacer			
21B	243D5123	1	Spacer			



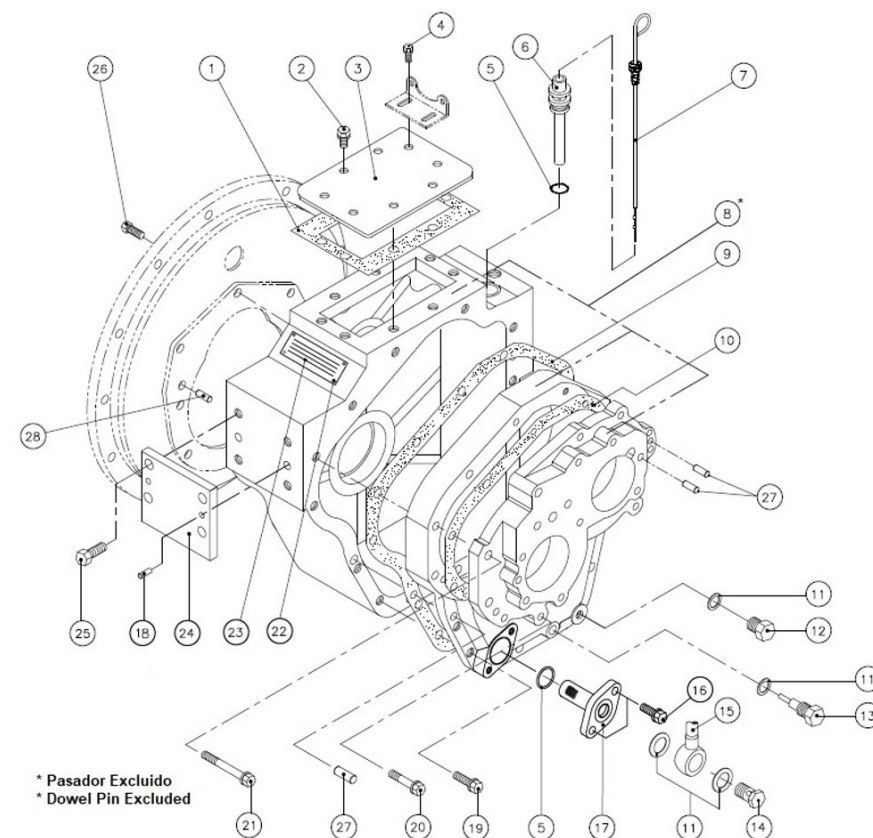
D_50DB_3 Sheet 3/8

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1E	243D5014	1	Output Shaft Group			
2E	243D5015	1	Output Shaft Assy			
3	243D5016	2	Bearing, Taper Roller			
4A	243D5017	1	Shim			
4B	243D5018	1	Shim			
4C	243D5019	1	Shim			
5	243D5020	1	O-Ring			
6	243D5021	1	Carrier, Seal Assy			
7	243D5022	1	Carrier, Seal			
8	243D5023	1	Seal, Oil			
9	243D5024	5	Screw			
10	243D5025	1	Coupling, Output			
11	243D5026	1	Washer, Retainer			
12	243D5027	1	Plate, Lock			
13	243D5028	2	Screw			
14	243D5029	1	Coupling, Propeller			
15	243D5030	4	Bolt, Reamer			
16	243D5031	4	Washer, Spring			
17	243D5032	4	Nut			



D_50DB_4 Sheet 4/8

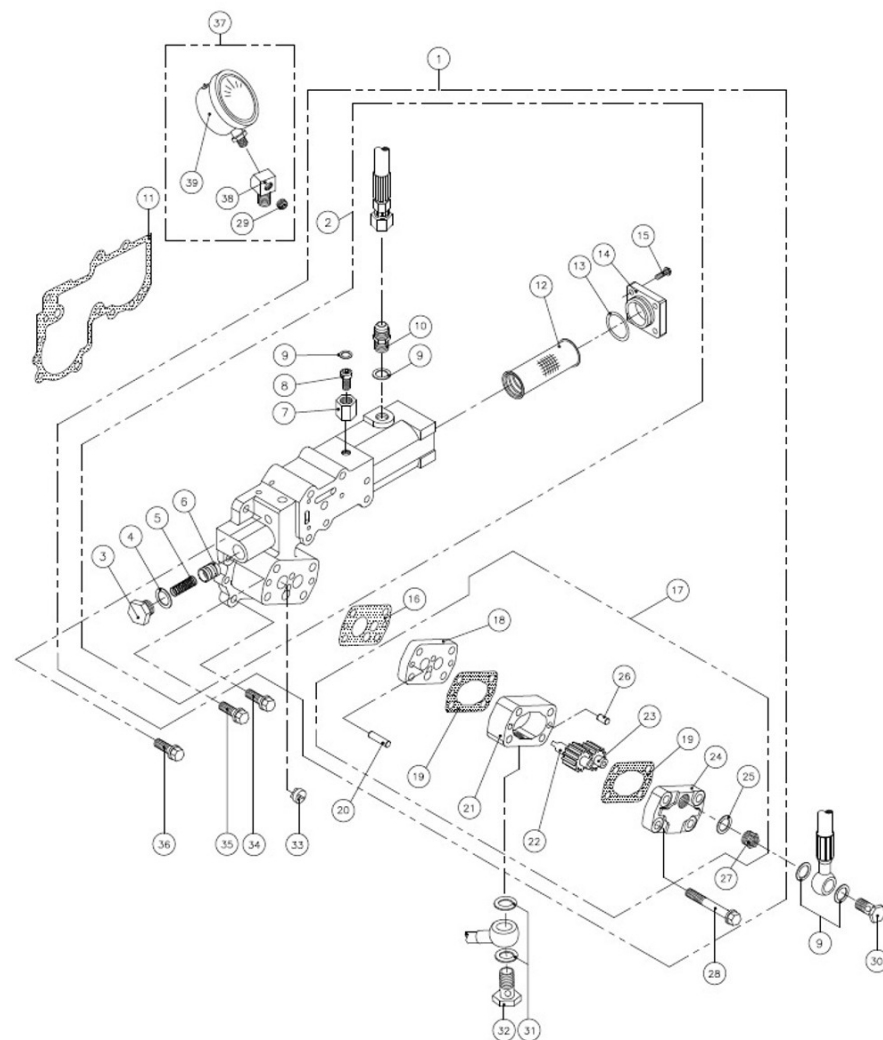
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	243D5007	1	Gasket			
2	243D5033	2	Screw			
3	243D5034	1	Cover			
4	243D5035	4	Screw			
5	24300006	2	O-Ring			
6	243D5036	1	Air Breather			
7	243D5037	1	Oil Gauge Assy			
8	243D5038	1	Case Assy			
9	243D5039	1	Gasket, Case			
10	243D5002	1	Gasket			
11	243D5040	4	Gasket, Copper			
12	243D5041	1	Plug			
13	243D5042	1	Drain Plug Assy			
14	243D5043	1	Bolt, Union			
15	243D5044	1	Pipe, Suction			
16	243D5045	2	Screw			
17	243D5046	1	Screen Filter Assy			
18	243D5057	8	Pin, Dowel			
19	243D5047	6	Screw			
20	243D5048	8	Screw			
21	243D5049	3	Screw			
22	243D5050	4	Screw			
23	243D5051	1	Plate, Name			
24	243D5052	2	Plate, Attachment			
25	243D5053	8	Screw			
26	243D5054	7	Screw			
27	243D5055	6	Pin, Dowel			
28	243D5056	2	Pin, Dowel			



D_50DB_5

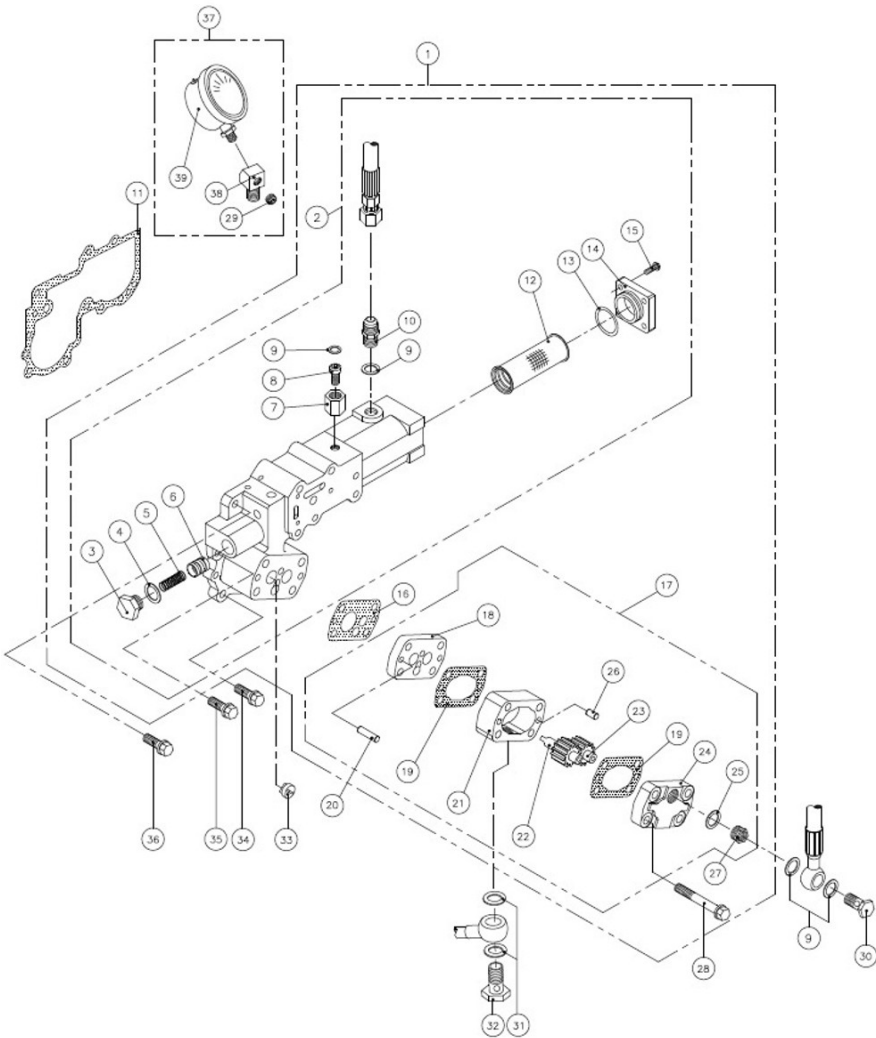
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Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	243D5401	1	Manifold Group			
2	243D5402	1	Manifold Assy			
3	243D5403	1	Plug, Oil Pressure			
4	243D5404	1	Gasket, Copper			
5	243D5405	1	Spring, Oil Pressure			
6	243D5406	1	Valve, Oil Pressure			
7	243D5407	1	Nut, Lock			
8	243D5408	1	Screw, Lock			
9	243D5409	4	Gasket, Copper			
10	243D5410	1	Nipple			
11	243D5003	1	Gasket			
12	243D5411	1	Oil Filter Assy			
13	243D5008	1	O-Ring			
14	243D5412	1	Cover, Filter			
15	243D5413	4	Screw			
16	243D5005	1	Pump Gasket			
17	243D5414	1	Pump Assy			
18	243D5415	1	Pump Plate Assy			
19	243D5004	2	Pump Gasket			
20	243D5416	2	Pin, Dowel			
21	243D5417	1	Body, Gear Pump			
22	243D5418	1	Gear, Pump Driving			
23	243D5419	1	Gear, Pump Driven			
24	243D5420	1	Pump Cover Assy			
25	243D5421	1	Gasket, Copper			
26	243D5055	2	Pin, Dowel			
27	243D5422	1	Connector			
28	243D5423	4	Screw			
29	243D5432	1	Plug			
30	243D5424	1	Bolt, Union			
31	243D5040	2	Gasket, Copper			



D_50DB_5 Sheet 5/8

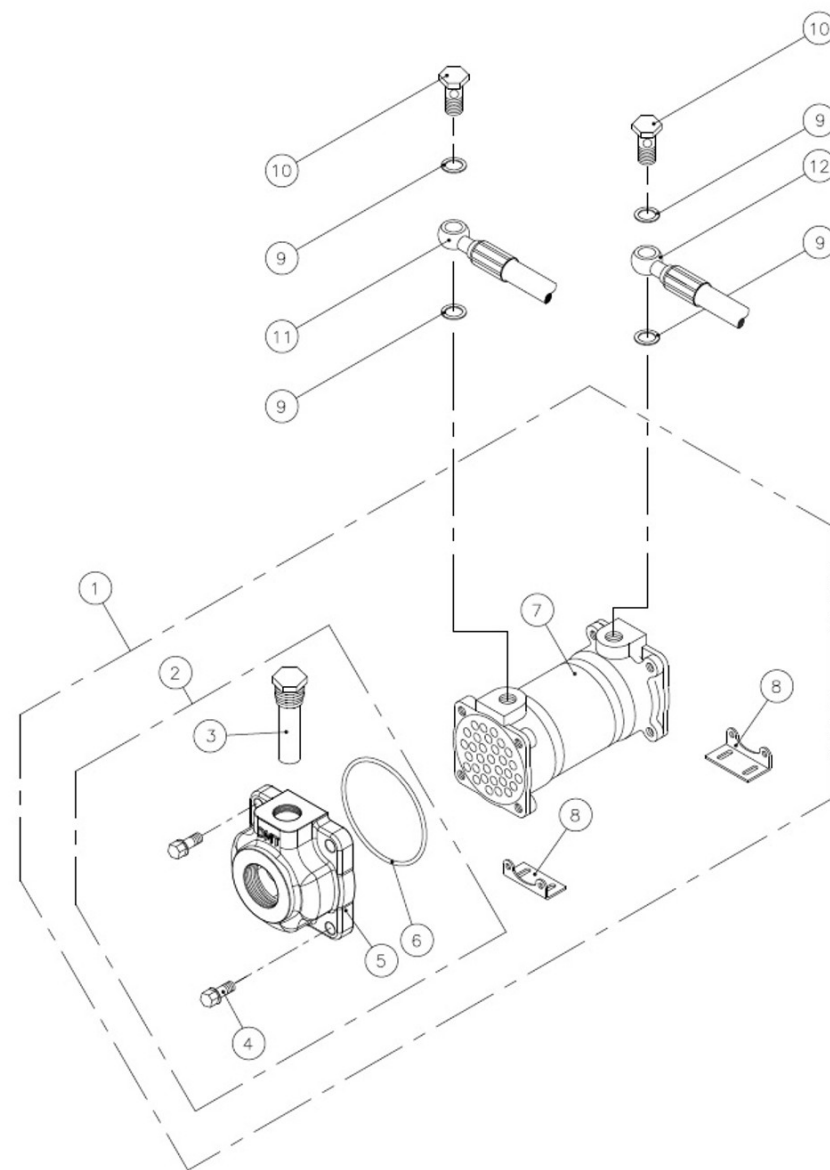
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
32	243D5043	1	Bolt, Union			
33	243D5425	1	Block, Pump Driving			
34	243D5426	4	Screw			
35	243D5427	1	Screw			
36	243D5428	1	Screw			
37	243D5429	1	Pressure Gauge Assy			
38	243D5430	1	Adaptor			
39	243D5431	1	Pressure Gauge			



D_50DB_6

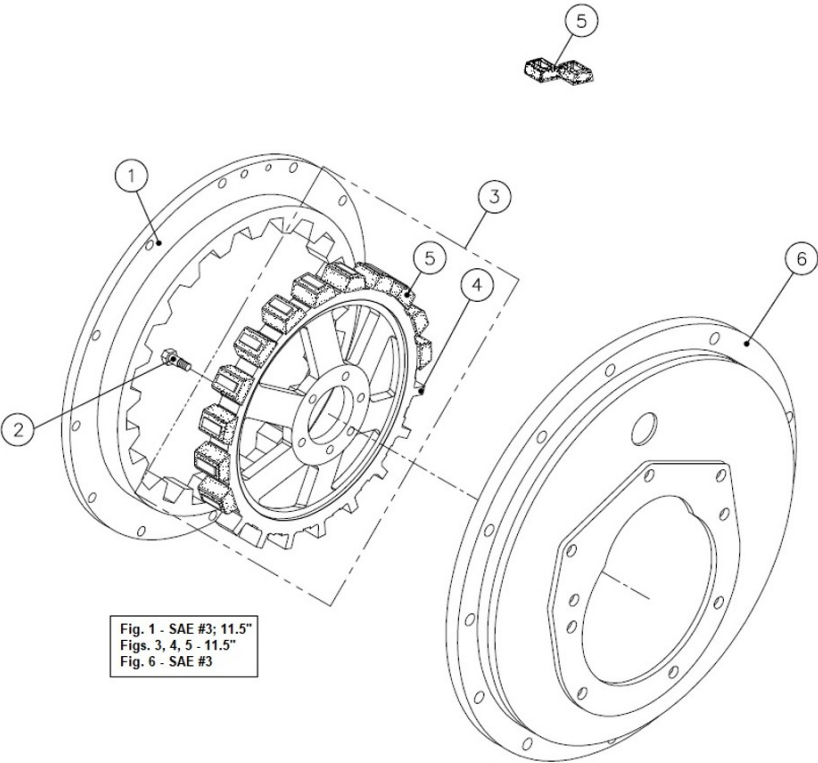
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Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	243D5058	1	Oil Cooler Assy			
2	243D5059	2	Cooler Cover Assy			
3	24300011	2	Zinc Anode Assy			
4	243D5047	8	Screw			
5	243D5060	2	Cover, Cooler			
6	243D5009	2	O-Ring			
7	243D5061	1	Element Cooler			
8	243D5062	2	Bracket, Cooler			
9	243D5409	4	Gasket, Copper			
10	243D5424	2	Bolt, Union			
11	243D5063	1	Hose Assy			
12	243D5064	1	Hose Assy			



D_50DB_7 Sheet 7/8

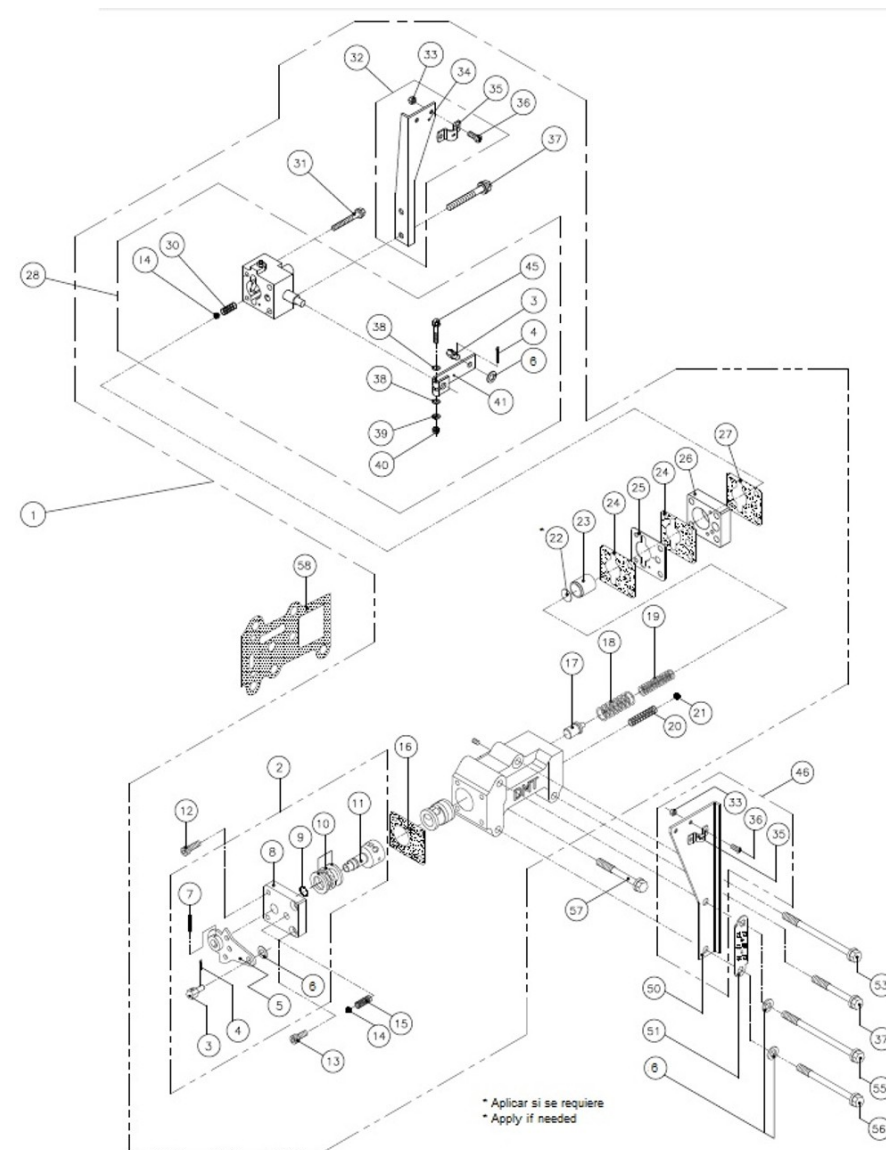
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	243D5065	1	Ring, Driving			
2	243D5066	6	Bolt, Reamer			
3	243D5067	1	Spider, Drive Assy			
4	243D5068	1	Spider, Drive			
5	243D5001	12	Rubber Stops			
6	243D5069	1	Housing, Flywheel			



D_50DB_8

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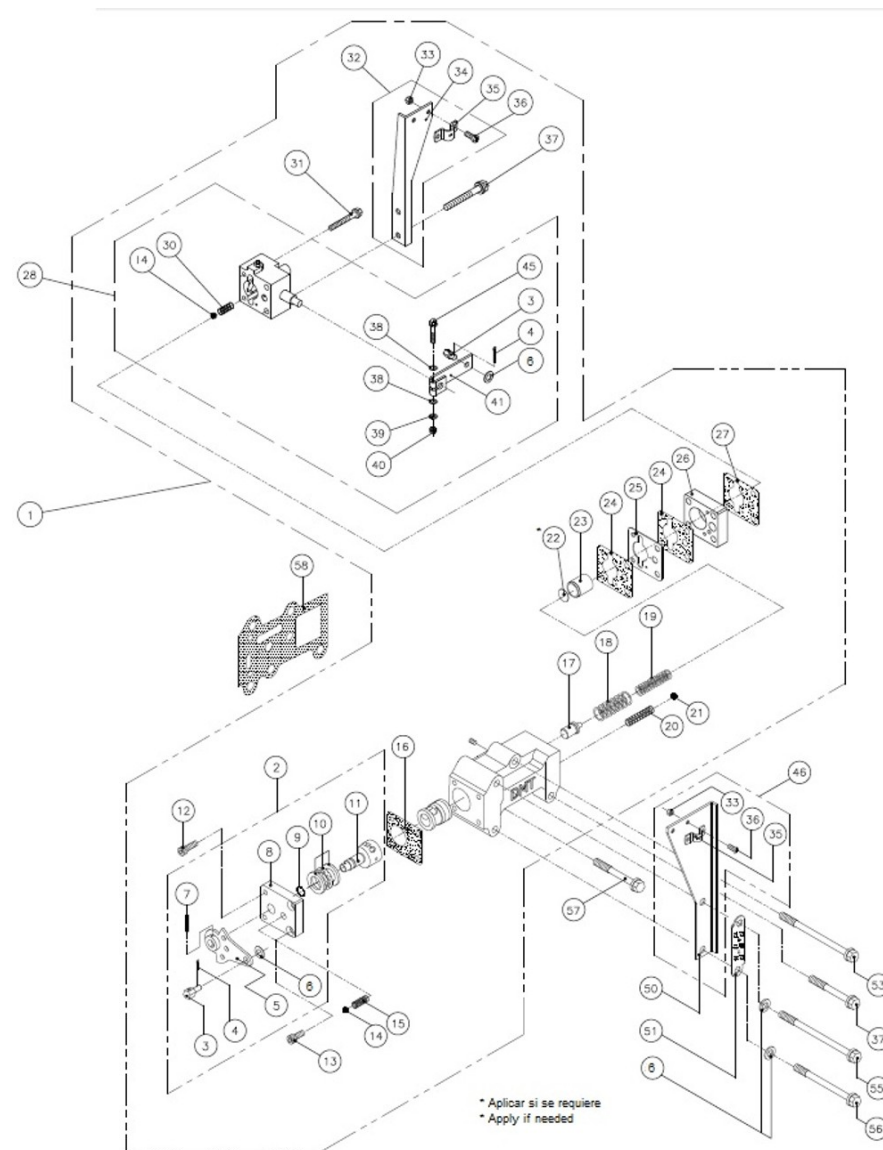
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	243D5433	1	Trolling Valve Group			
2	243D5434	1	Lever Group			
3	243D5435	2	Pin, Cable			
4	243D5436	2	Pin, Split			
5	243D5437	1	Lever Assy			
6	243D5438	4	Washer			
7	243D5439	1	Pin, Spring			
8	243D5440	1	Cover, Valve			
9	243D5441	1	O-Ring			
10	243D5442	1	Bearing, Thrust			
11	243D5443	1	Stem, Valve			
12	243D5444	2	Screw, Socket			
13	243D5445	2	Screw, Socket			
14	243D5446	2	Ball, Steel			
15	243D5447	1	Spring, Detent			
16	243D5448	1	Gasket, Valve Cover			
17	243D5449	1	Valve, Regulator Pressure			
18	243D5479	1	Spring, Outer			
19	243D5450	1	Spring, Trolling			
20	243D5451	1	Spring, Check Valve			
21	243D5452	1	Ball, Steel			
22	243D5453	1	Spacer			
23	243D5454	1	Piston			
24	243D5455	2	Gasket, Plate			
25	243D5456	1	Plate, Orifice			
26	243D5457	1	Plate			
27	243D5458	1	Gasket, Trolling Valve			
28	243D5459	1	Trolling Valve Assy			
30	243D5460	1	Spring, Detent			
31	243D5461	2	Screw			
32	243D5462	1	Trolling Bracket Assy			



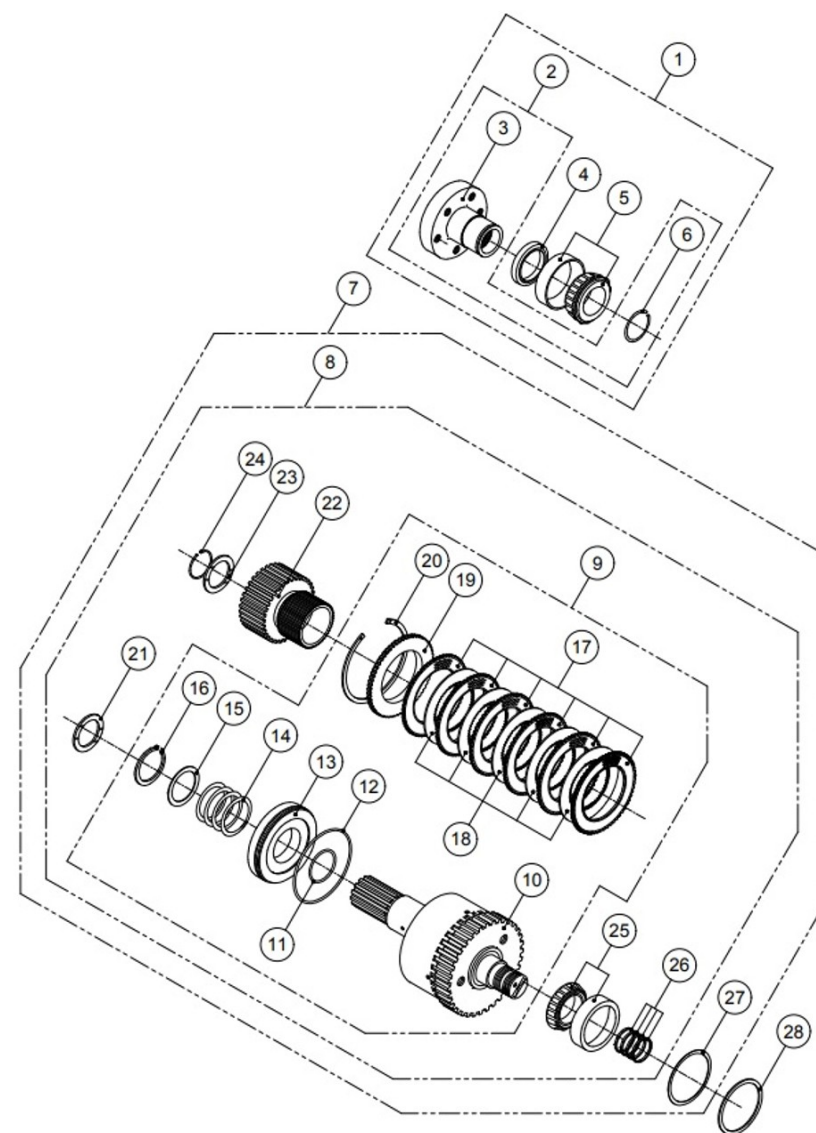
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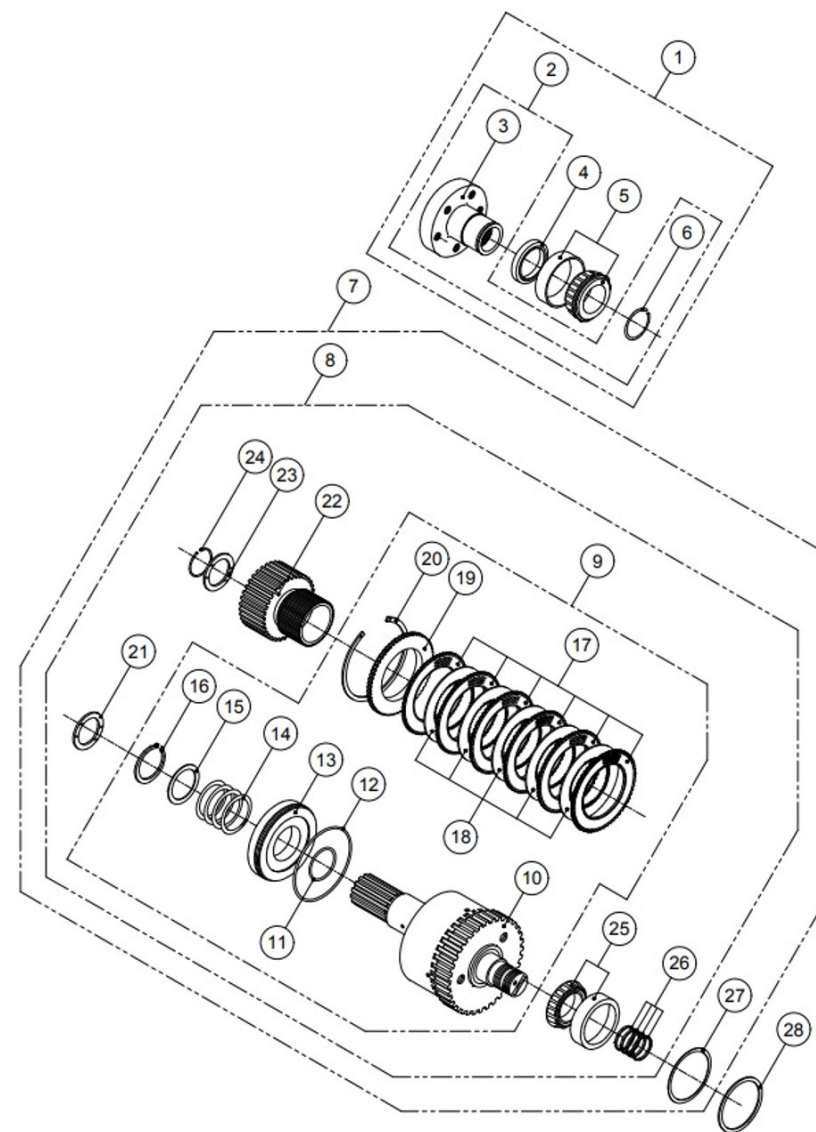
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
33	243D5463	4	Nut			
34	243D5464	1	Bracket, Trolling			
35	243D5465	2	Clamp			
36	243D5466	4	Screw			
37	243D5467	3	Screw			
38	243D5468	2	Washer			
39	243D5469	1	Washer, Spring			
40	243D5470	1	Nut			
41	243D5471	1	Lever, Trolling			
45	243D5472	1	Screw			
46	243D5473	1	Bracket, Cable Assy			
50	243D5474	1	Bracket, Cable			
51	243D5475	1	Plate, Position Name			
53	243D5476	1	Screw			
55	243D5477	1	Screw			
56	243D5478	1	Screw			
57	243D5049	1	Screw			
58	243D5006	1	Gasket, Selector Valve			



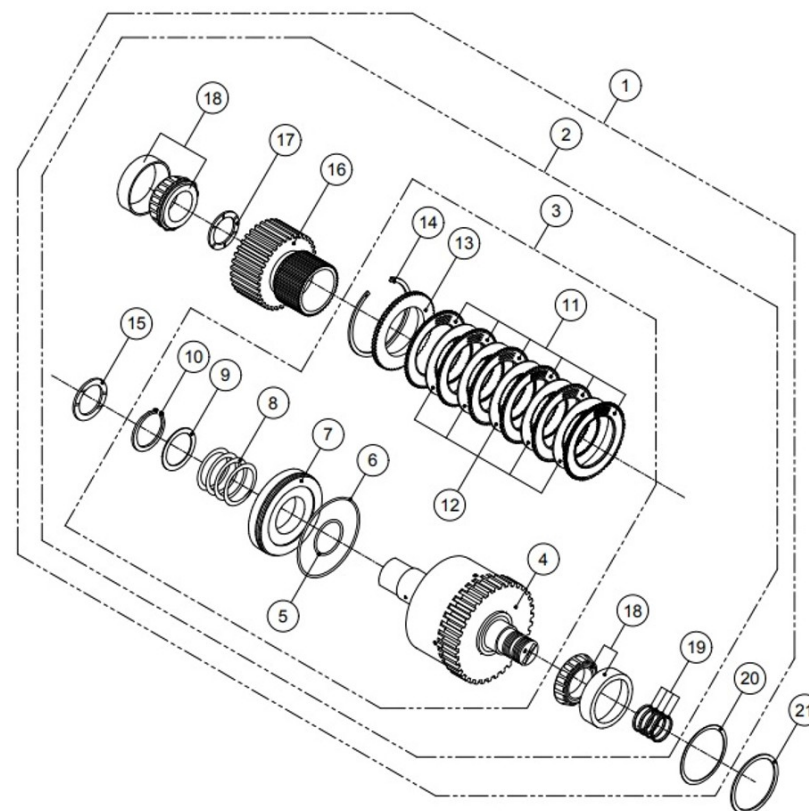
D_DMT50A_01		Input Shaft Group				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	DST050008	1	Input Coupling ASS'Y			
2	DAS050008	1	Input Coupling ASS'Y			
3	43300001	1	Input Coupling Assy			
4	DD06509010	1	Seal, Oil			
5	43300003	1	Bearing, Taper Roller			
6	43300004	1	Retainer			
7A	DAS050100A	0	Input Shaft Group G.R 1.61	#		
7B	DAS050100B	0	Input Shaft Group G.R 2.06	#		
7C	DAS050100C	0	Input Shaft Group G.R 2.45	#		
7D	DAS050100D	0	Input Shaft Group G.R 2.82	#		
7E	DAS050100E	0	Input Shaft Group G.R 3.12	#		
7F	DAS050100F	0	Input Shaft Group G.R 3.46	#		
8A	D050100A	0	Input Shaft Group G.R 1.61	#		
8B	D050100B	0	Input Shaft Group G.R 2.06	#		
8C	D050100C	0	Input Shaft Group G.R 2.45	#		
8D	D050100D	0	Input Shaft Group G.R 2.82	#		
8E	D050100E	0	Input Shaft Group G.R 3.12	#		
8F	D050100F	0	Input Shaft Group G.R 3.46	#		
9	D050100	1	Input Shaft ASS'Y			
10	D050101	1	Input Shaft Sub ASS'Y			
11	43301022	1	O-Ring			
12	43301021	1	O-Ring			
13	43301020	1	Piston, Clutch			
14	43301019	1	Spring			
15	43301018	1	Washer			
16	43301017	1	Ring, Snap External			
17	D100109	6	Plate, Sintered			
18	D100110	5	Plate, Steel			
19	43301014	1	Plate, Back			
20	43301013	1	Ring, Snap Internal			
21	43301009	1	Washer, Thrust			



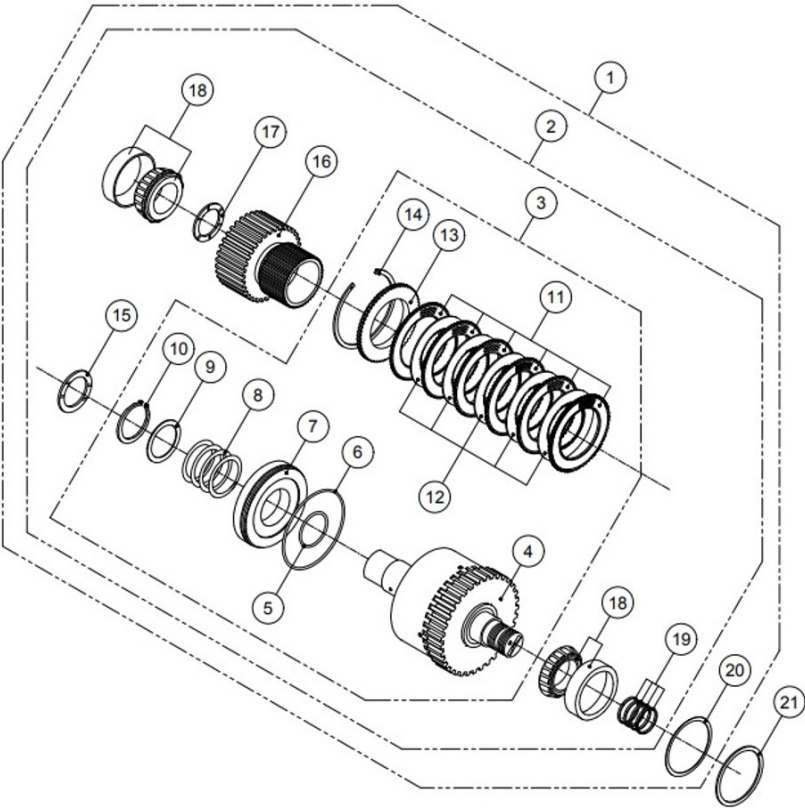
D_DMT50A_01		Input Shaft Group				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
22A	D050108A	0	Pinion, ASS'Y G.R 1.61	#		
22B	D050108B	0	Pinion, ASS'Y G.R 2.06	#		
22C	D050108C	0	Pinion, ASS'Y G.R 2.45	#		
22D	D050108D	0	Pinion, ASS'Y G.R 2.82	#		
22E	D050108E	0	Pinion, ASS'Y G.R 3.12	#		
22F	D050108F	0	Pinion, ASS'Y G.R 3.46	#		
23	43301007	1	Washer, Thrust			
24	43301006	1	Retainer			
25	43301010	1	Bearing, Taper Roller			
26	D050120	4	Ring, Oil Seal			
27	43301025	5	Shim			
28A	43300027	1	Spacer			
28B	43300028	1	Spacer			



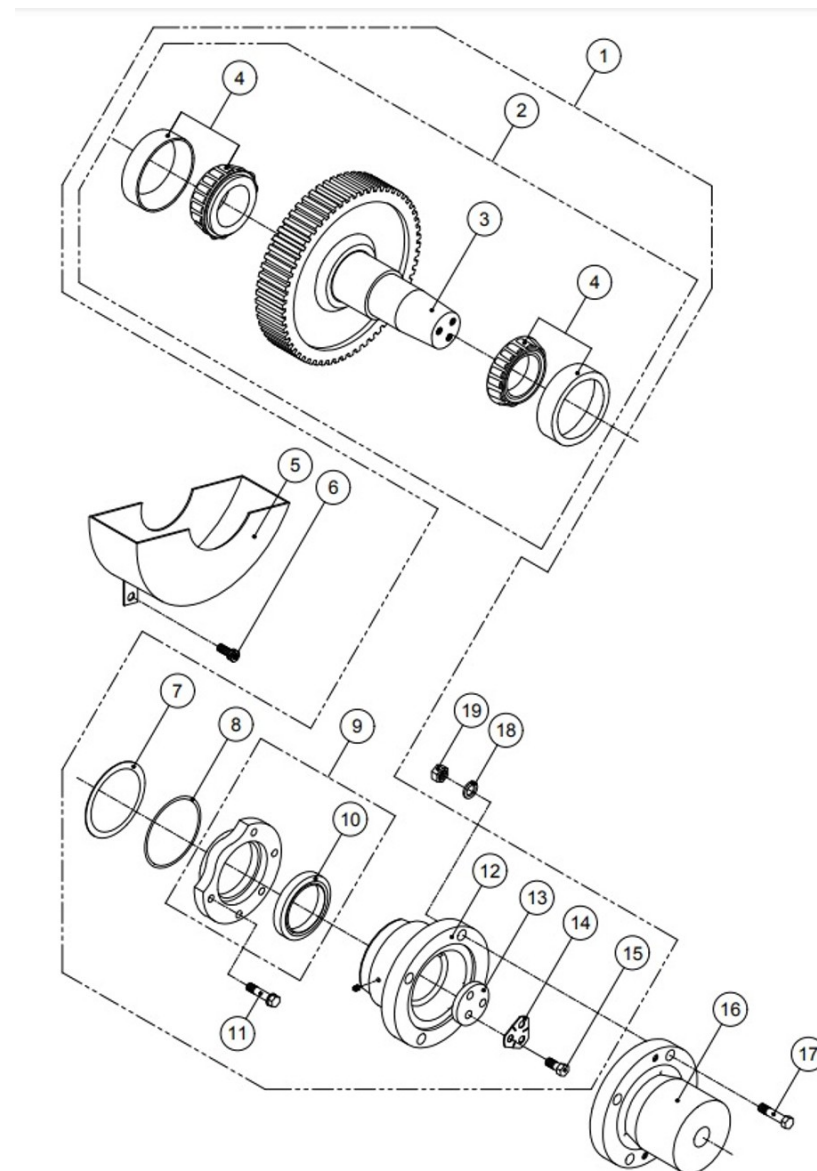
D_DMT50A_02		Astern Shaft Group				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1A	DAS050200A	0	Astern Shaft Group G.R 1.61	#		
1B	DAS050200B	0	Astern Shaft Group G.R 2.06	#		
1C	DAS050200C	0	Astern Shaft Group G.R 2.45	#		
1D	DAS050200D	0	Astern Shaft Group G.R 2.82	#		
1E	DAS050200E	0	Astern Shaft Group G.R 3.12	#		
1F	DAS050200F	0	Astern Shaft Group G.R 3.46	#		
2A	D050200A	0	Astern Shaft Group G.R 1.61	#		
2B	D050200B	0	Astern Shaft Group G.R 2.06	#		
2C	D050200C	0	Astern Shaft Group G.R 2.45	#		
2D	D050200D	0	Astern Shaft Group G.R 2.82	#		
2E	D050200E	0	Astern Shaft Group G.R 3.12	#		
2F	D050200F	0	Astern Shaft Group G.R 3.46	#		
3	D050200	1	Astern Shaft ASS'Y			
4	D050201	1	Astern Shaft Sub ASS'Y			
5	43301022	1	O-Ring			
6	43301021	1	O-Ring			
7	43301020	1	Piston, Clutch			
8	43301019	1	Spring			
9	43301018	1	Washer			
10	43301017	1	Ring, Snap External			
11	D100109	6	Plate, Sintered			
12	D100110	5	Plate, Steel			
13	43301014	1	Plate, Back			
14	43301013	1	Ring, Snap Internal			
15	43301009	1	Washer, Thrust			
16A	D050108A	0	Pinion, ASS'Y G.R 1.61	#		
16B	D050108B	0	Pinion, ASS'Y G.R 2.06	#		
16C	D050108C	0	Pinion, ASS'Y G.R 2.45	#		
16D	D050108D	0	Pinion, ASS'Y G.R 2.82	#		
16E	D050108E	0	Pinion, ASS'Y G.R 3.12	#		
16F	D050108F	0	Pinion, ASS'Y G.R 3.46	#		



D_DMT50A_02		Astern Shaft Group				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
17	43301007	1	Washer, Thrust			
18	43301010	2	Bearing, Taper Roller			
19	D050120	4	Ring, Oil Seal			
20	43301025	5	Shim			
21A	43300027	1	Spacer			
21B	43300028	1	Spacer			

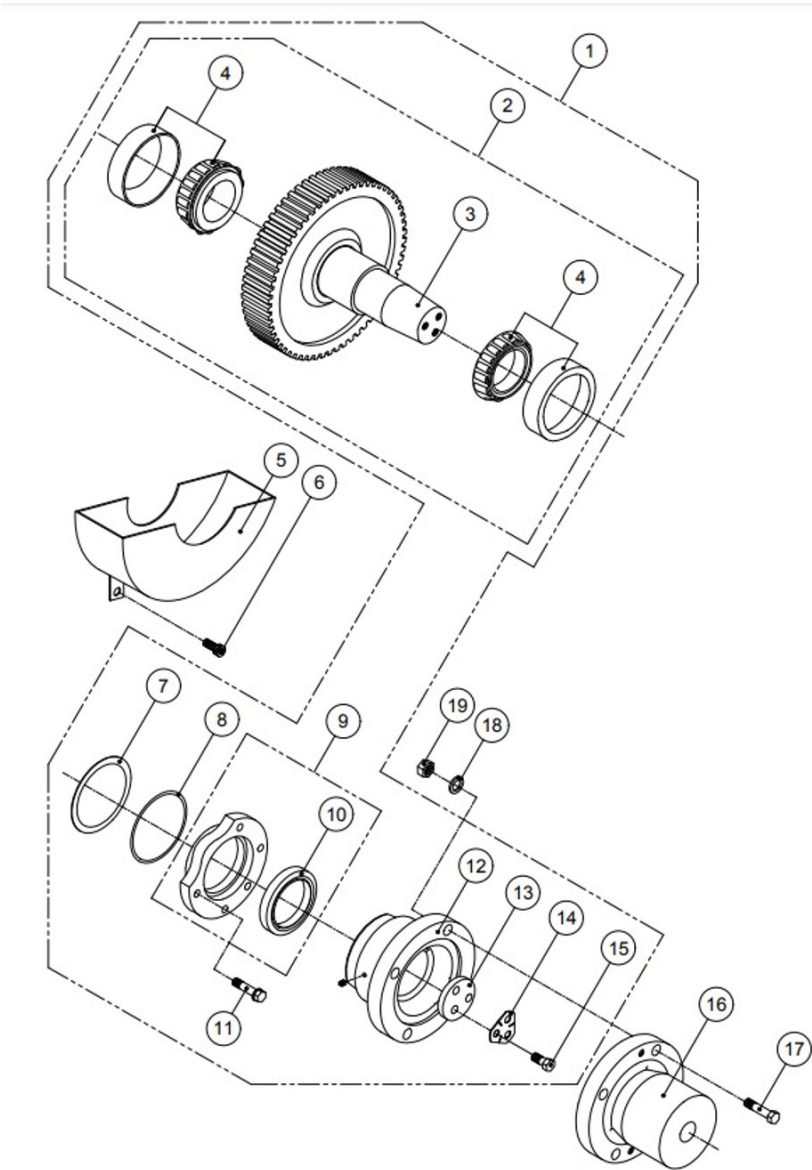


D_DMT50A_03		Output Shaft Group				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1A	DST050301A	0	Output Shaft ASS'Y G.R 1.61	#		
1B	DST050301B	0	Output Shaft ASS'Y G.R 2.06	#		
1C	DST050301C	0	Output Shaft ASS'Y G.R 2.45	#		
1D	DST050301D	0	Output Shaft ASS'Y G.R 2.82	#		
1E	DST050301E	0	Output Shaft ASS'Y G.R 3.12	#		
1F	DST050301F	0	Output Shaft ASS'Y G.R 3.46	#		
2A	D050300AG	0	Output Shaft Group G.R 1.61	#		
2B	D050300BG	0	Output Shaft Group G.R 2.06	#		
2C	D050300CG	0	Output Shaft Group G.R 2.45	#		
2D	D050300DG	0	Output Shaft Group G.R 2.82	#		
2E	D050300EG	0	Output Shaft Group G.R 3.12	#		
2F	D050300FG	0	Output Shaft Group G.R 3.46	#		
3A	D050300A	0	Output Shaft ASS'Y G.R 1.61	#		
3B	D050300B	0	Output Shaft ASS'Y G.R 2.06	#		
3C	D050300C	0	Output Shaft ASS'Y G.R 2.45	#		
3D	D050300D	0	Output Shaft ASS'Y G.R 2.82	#		
3E	D050300E	0	Output Shaft ASS'Y G.R 3.12	#		
3F	D050300F	0	Output Shaft ASS'Y G.R 3.46	#		
4	D32212J	2	Bearing, Taper Roller			
5	D050314	1	Oil Pan ASS'Y			
6	43300054	2	Screw, Socket			
7	43300039	5	Shim			
8	43300041	1	O-Ring			
9	D050303A	1	Carrier, Seal ASS'Y			
10	DD06008212	1	Seal, Oil			
11	43300091	6	Screw			
12	DAS050306	1	Output Coupling ASS'Y			
13	D70314	1	Washer, Retainer			
14	43300047	1	Plate, Lock			
15	43300048	3	Screw			
16	D50317	1	Coupling, Propeller			

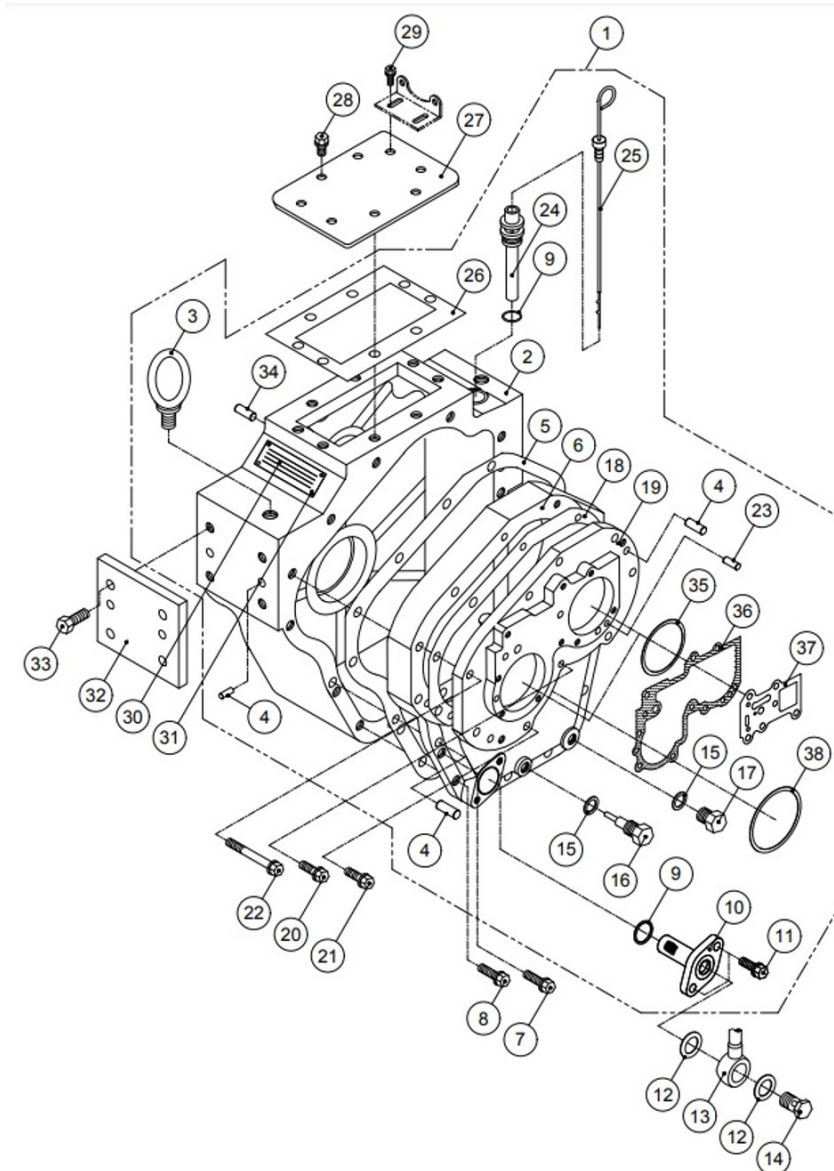


D_DMT50A_03 Output Shaft Group

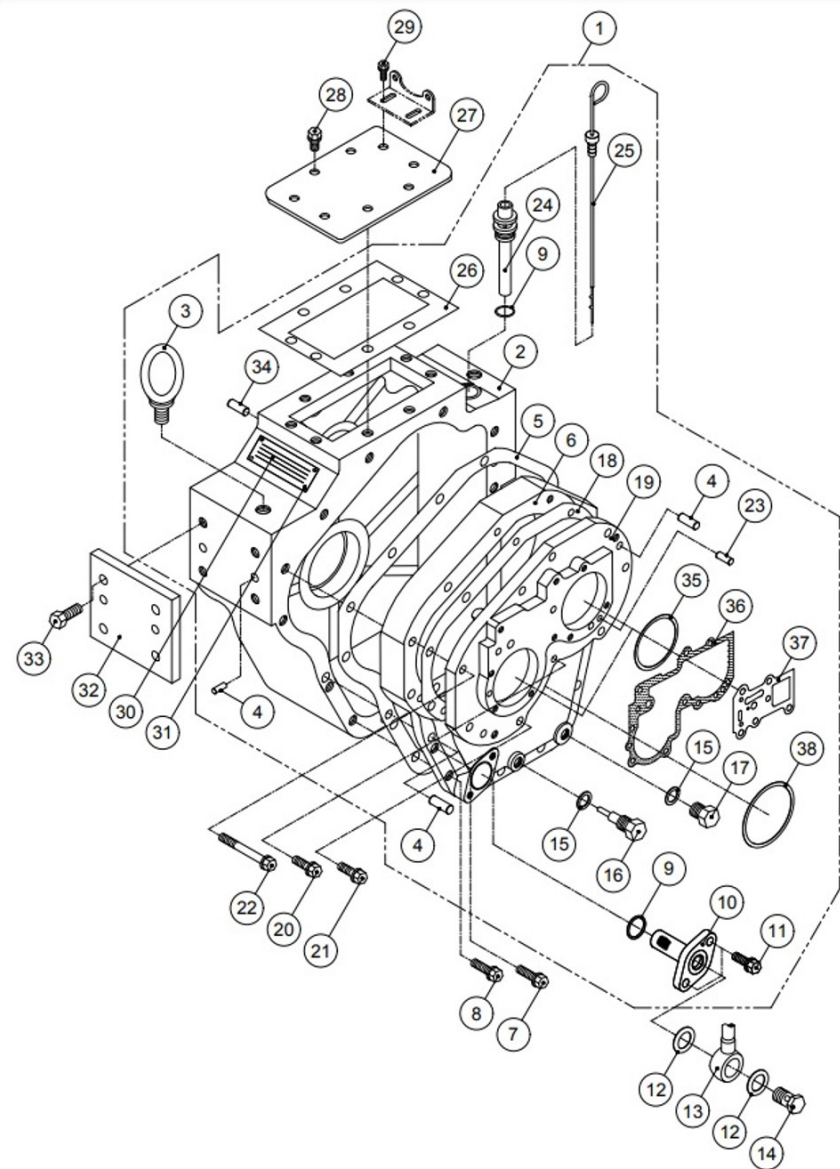
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
17	43300050	4	Bolt, Reamer			
18	43300051	4	Washer, Spring			
19	43300052	4	Nut			



D_DMT50A_04		Case Group				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	DST050001	1	Case ASS'Y			
2	D050001	1	Case Pin, Dowel Excluded			
3	43300079	2	Bolt, Eye			
4	243D5057	8	Pin, Dowel			
5	D090011	1	Gasket, Case			
6	D090012	1	Cover, Case			
7	43300091	2	Screw			
8	24350022	6	Screw			
9	24300006	2	O-Ring			
10	43300071	1	Screen Filter Assy			
11	243D5045	2	Screw			
12	43300069	4	Gasket, Copper			
13	D050705	1	Pipe ASS'Y			
14	43300068	2	Bolt, Union			
15	243D5040	2	Gasket, Copper			
16	243D5042	1	Drain Plug Assy			
17	243D5041	1	Plug			
18	D090016	1	Gasket, Bearing Carrier			
19	DAS090017	1	Bearing Carrier ASS'Y			
20	DB08125032	1	Screw			
21	243D5024	3	Screw			
22	DB10125070	5	Screw			
23	243D5055	2	Pin, Dowel			
24	243D5036	1	Air Breather			
25	43300061	1	Gauge, Oil Level			
26	43300058	1	Gasket, Cover			
27	43300059	1	Cover			
28	243B0039	4	Screw			
29	243D5035	4	Screw			
30	243B0046	1	Plate, Name			
31	243D5050	4	Screw			



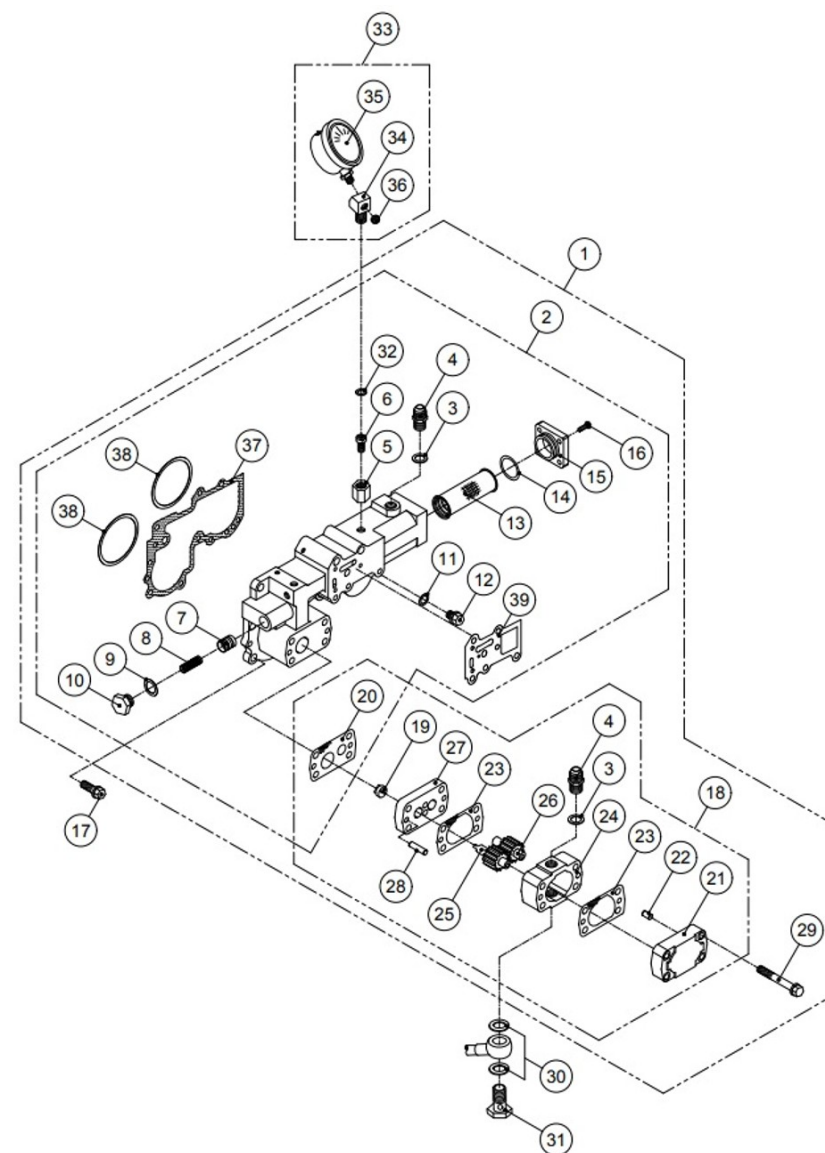
D_DMT50A_04		Case Group				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
32	43300076	2	Bracket			
33	DA12150030	8	Screw			
34	243B0058	2	Pin, Dowel			
35	43301025	10	Shim			
36	43306016	1	Gasket, Manifold			
37	43305070	1	Gasket, Selector Valve			
38	43300039	5	Shim			



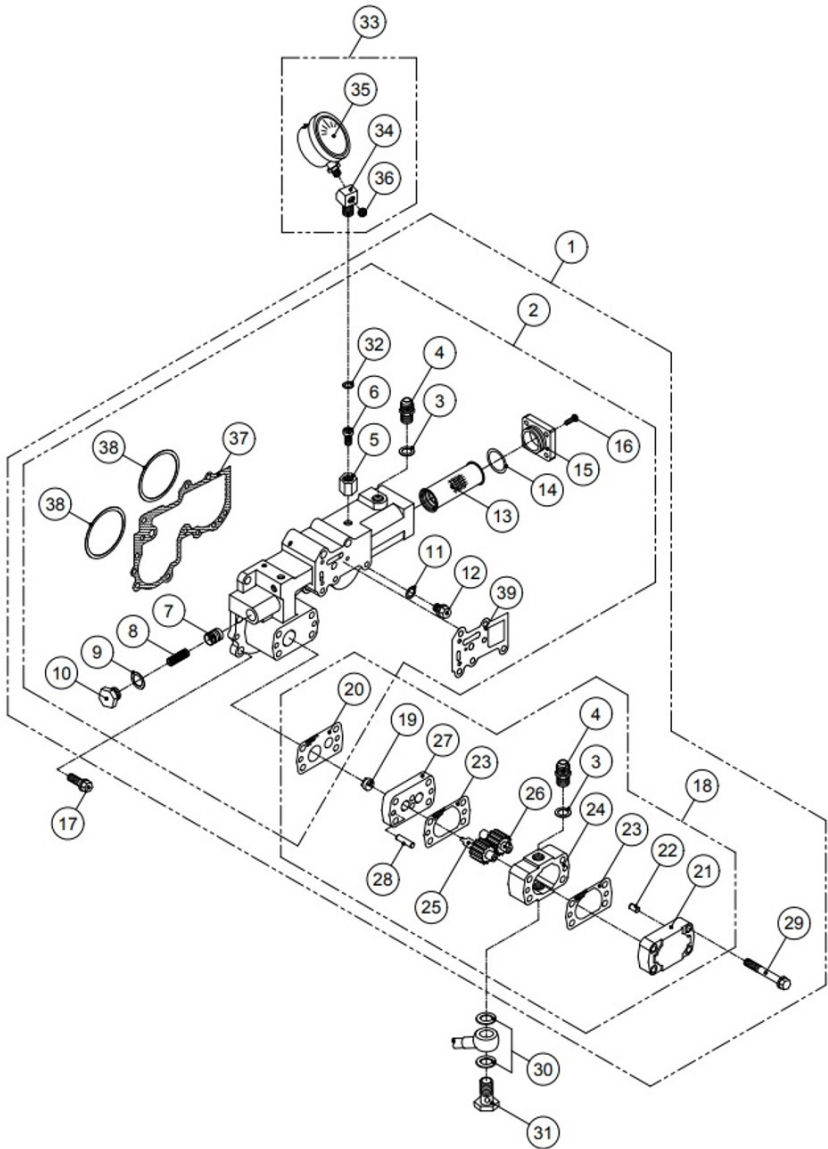
D_DMT50A_05

Manifold Group

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	DST050402	1	Manifold Group			
2	DAS050402	1	Manifold ASS'Y			
3	243D5040	2	Gasket, Copper			
4	43306001	2	Nipple			
5	243D5407	1	Nut, Lock			
6	243D5408	1	Screw, Lock			
7	243D5406	1	Valve, Oil Pressure			
8	243D5405	1	Spring, Oil Pressure			
9	243D5404	1	Gasket, Copper			
10	243D5403	1	Plug, Oil Pressure			
11	43306000	1	Gasket, Copper			
12	43306004	1	Plug			
13	43306002	1	Oil Filter Assy			
14	24300010	1	O-Ring			
15	43306003	1	Cover, Filter			
16	243B0526	4	Screw			
17	243D5426	7	Screw			
18	DAS050406	1	Pump Ass'Y			
19	43306014	1	Block, Pump Driving			
20	43306005	1	Gasket, Pump Plate			
21	43306012	1	Pump Cover Assy			
22	243D5055	2	Pin, Dowel			
23	43306008	2	Gasket, Pump			
24	43306009	1	Body, Gear Pump			
25	43306010	1	Gear, Pump Driving			
26	43306011	1	Gear, Pump Driven			
27	43306007	1	Pump Plate Assy			
28	243D5416	2	Pin, Dowel			
29	43306013	4	Screw			
30	43300069	2	Gasket, Copper			
31	43300068	1	Bolt, Union			



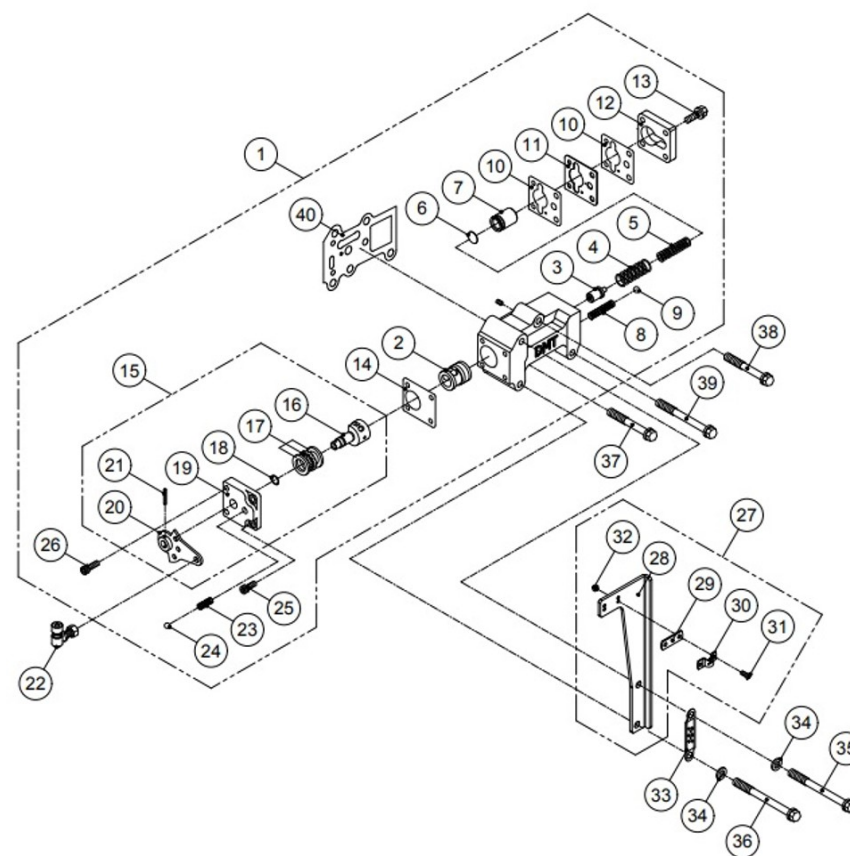
D_DMT50A_05		Manifold Group				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
32	243D5050	1	Screw			
33	243B0529	1	Pressure Gauge Assy			
34	243D5430	1	Adaptor			
35	243B0530	1	Pressure Gauge			
36	243B0532	1	Plug			
37	43306016	1	Gasket, Manifold			
38	43301025	10	Shim			
39	43305070	1	Gasket, Selector Valve			



D_DMT50A_06

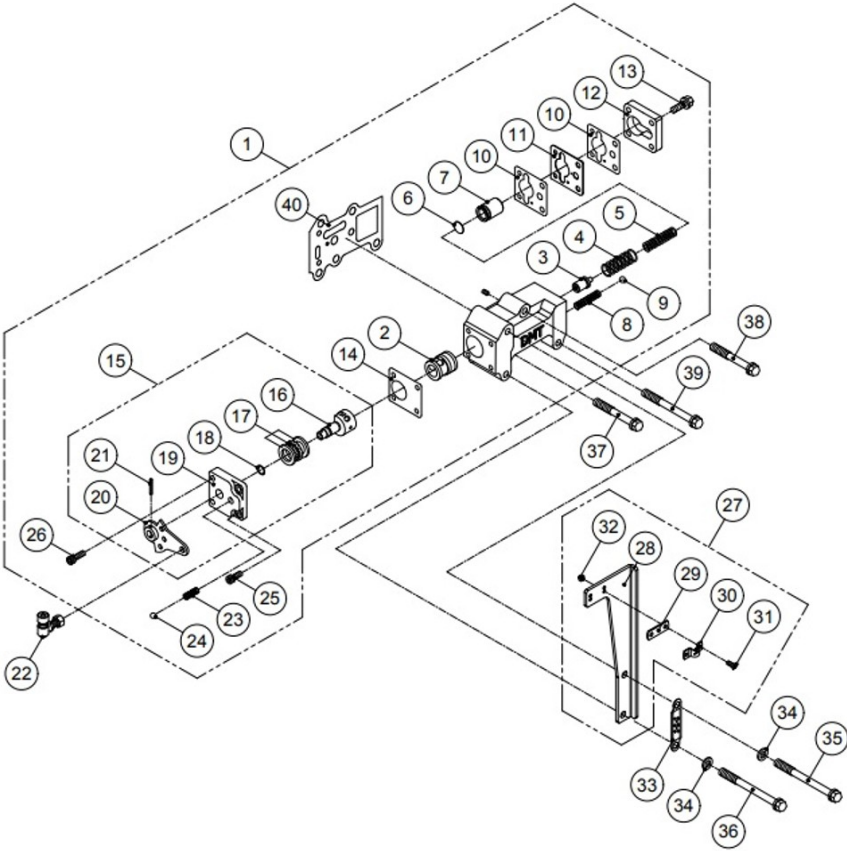
Selector Valve Group

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	DST025500	1	Selector Valve Group			
2	D025514	1	Sleeve			
3	D150510A	1	Pressure Regulating Valve ASS'Y			
4	243D5479	1	Spring, Outer			
5	243D5450	1	Spring, Trolling			
6	243D5453	1	Spacer			
7	D150508	1	Piston			
8	243D5451	1	Spring, Check Valve			
9	243B0555	1	Ball, Steel			
10	243D5458	2	Gasket, Trolling Valve			
11	D150547	1	Plate, Orifice			
12	D25510	1	Cover, Piston			
13	243B0005	4	Screw			
14	243D5448	1	Gasket, Valve Cover			
15	243B0536	1	Lever Group			
16	243D5443	1	Stem, Valve			
17	243D5442	1	Bearing, Thrust			
18	243B0543	1	O-Ring			
19	243D5440	1	Cover, Valve			
20	243D5437	1	Lever Assy			
21	243B0541	1	Pin, Spring			
22	D400524	1	Ball Joint ASS'Y			
23	243D5447	1	Spring, Detent			
24	243B0548	1	Ball, Steel			
25	243B0547	2	Screw, Socket			
26	243B0546	2	Screw, Socket			
27	243B0567	1	Cable Bracket Assy			
28	243D5474	1	Bracket, Cable			
29	D400525	1	Shim			
30	243D5465	1	Clamp			
31	DX05080014S	2	Screw			



D_DMT50A_06 Selector Valve Group

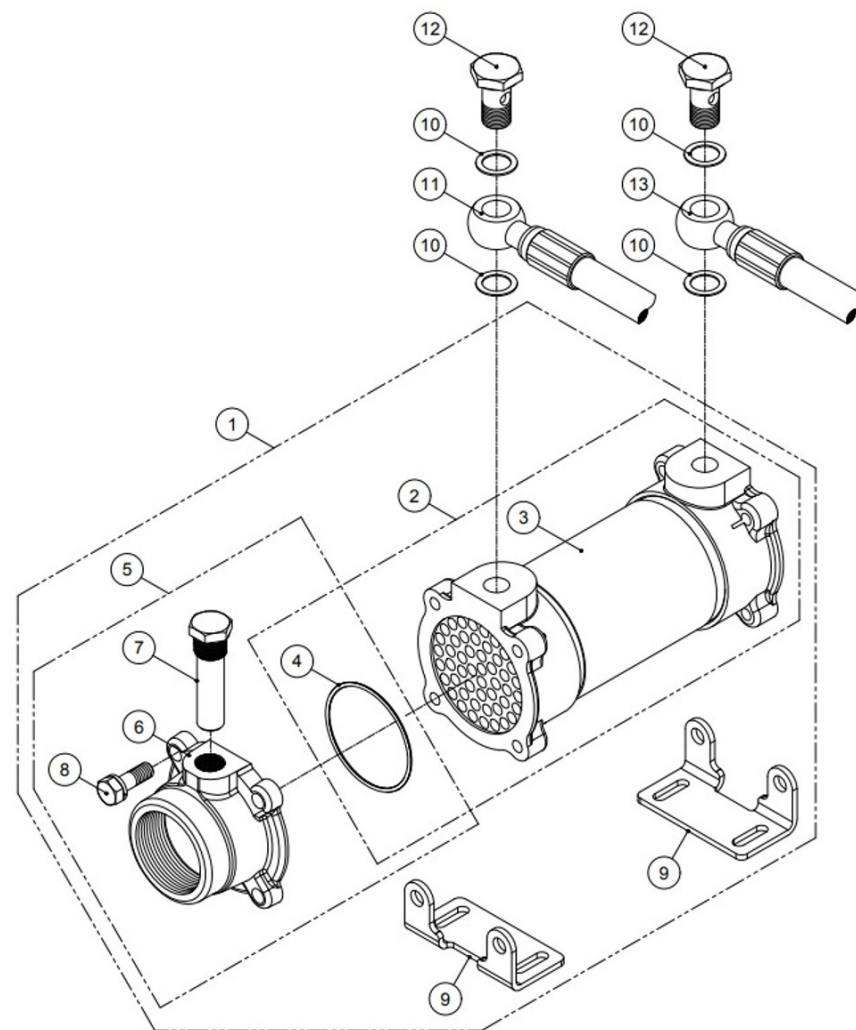
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
32	243B0569	2	Nut			
33	243D5475	1	Plate, Position Name			
34	243B0540	2	Washer			
35	DB08125135	1	Screw			
36	243B0564	1	Screw			
37	243B0562	1	Screw			
38	DB08125105	1	Screw			
39	243B0563	1	Screw			
40	43305070	1	Gasket, Selector Valve			



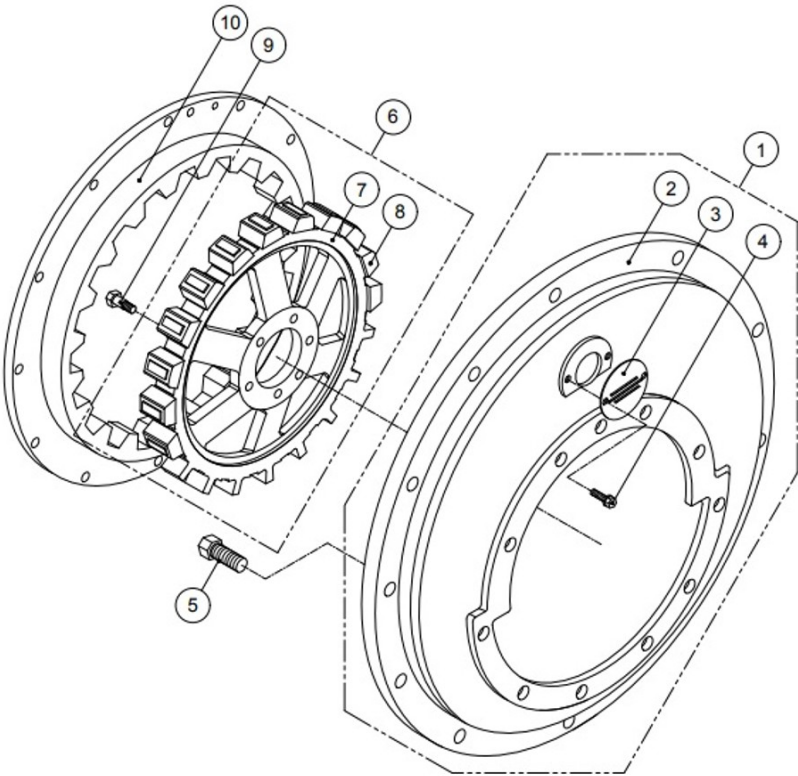
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Oil Cooler Group

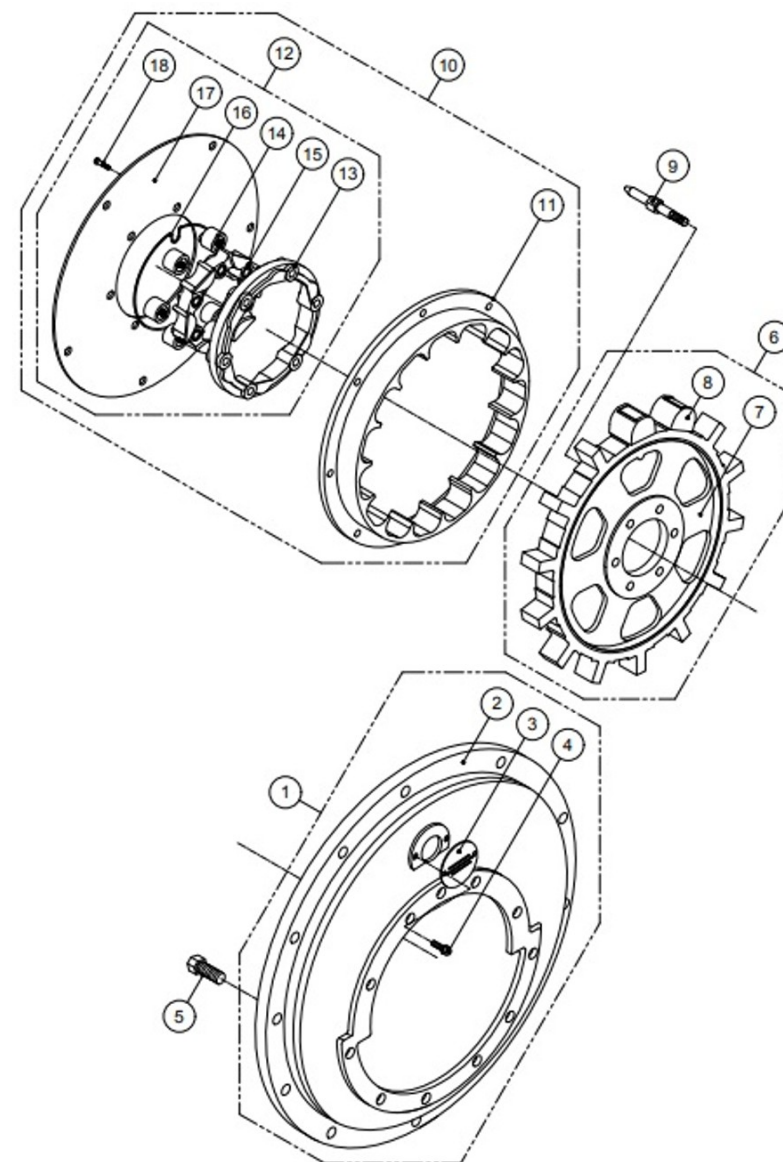
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1A	DST050741	1	Oil Cooler ASS'Y Pf 2"			
1B	43306020	1	Oil Cooler Assy			
1C	DST050741002	1	Oil Cooler ASS'Y Pf 1 1/2"			
2	DAS050741	1	Oil Cooler ASS'Y			
3	43306028	1	Element Cooler			
4	43306026	2	O-Ring			
5A	243B0602	2	Cooler Cover Assy			
5B	43306022	2	Cooler Cover Assy			
5C	D110702AS	2	Cooler Cover ASS'Y Pf 1 1/2"			
6A	D260701	2	Cover, Cooler Pf 2"			
6B	43306025	2	Cover, Cooler			
6C	D110702H	2	Cover, Cooler Pf 1 1/2"			
7	D150753	2	Zinc Anode ASS'Y			
8	243B0603	8	Screw			
9	243B0607	2	Bracket, Cooler			
10	243D5404	4	Gasket, Copper			
11	D070711	1	Hose ASS'Y			
12	243B0609	2	Bolt, Union			
13	D070710	1	Hose ASS'Y			



D_DMT50A_08		Option Group				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	243M0021	1	Housing, Flywheel Assy SAE 3			
2	43306043	1	Housing, Flywheel			
3	243B0068	1	Cover, Check			
4	243B0069	2	Screw			
5	24350040	10	Screw			
6	D050804G	1	Spider, Drive ASS'Y 11.5"			
7	D050804	1	Spider, Drive 11.5"			
8	D050803	20	Block, Rubber 11.5"			
9	D050802	6	Bolt, Reamer			
10	D050818	1	Ring, Driving 11.5"			



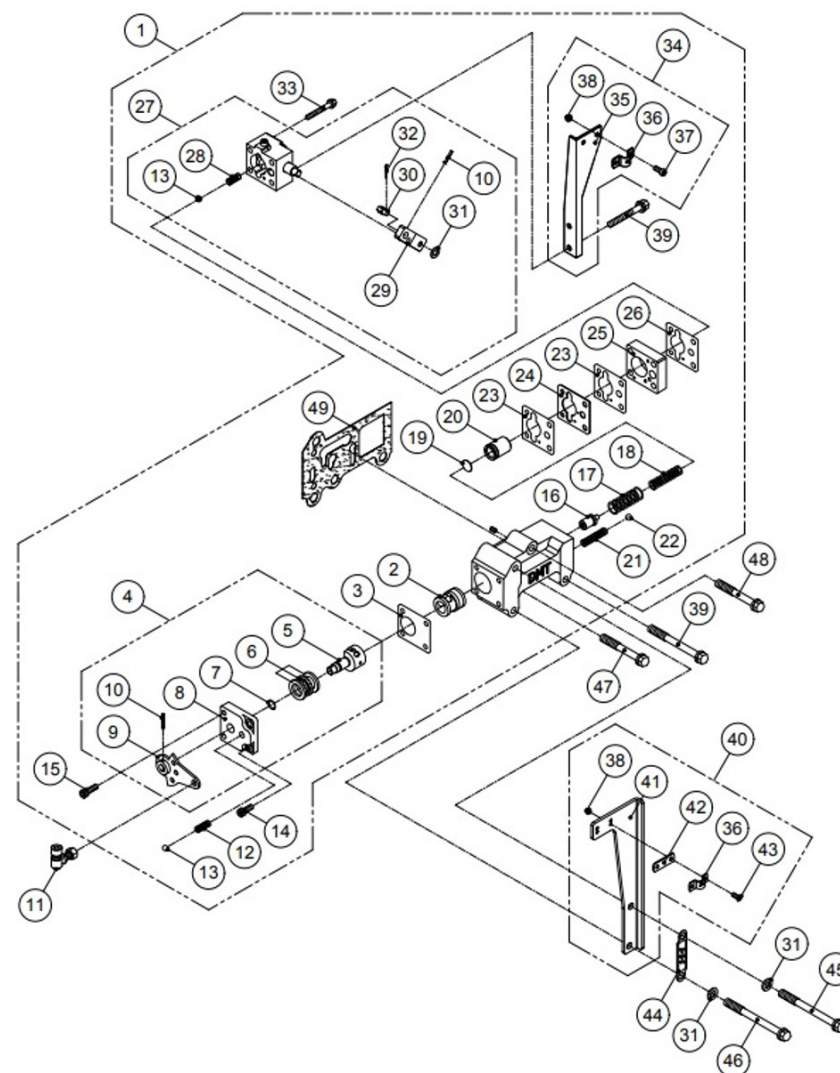
D_DMT50A_09		Dual Stage Coupling			
Fig.	Ref.	Qty.	Descr.	Obs	From UpTo
1	243M0021	1	Housing, Flywheel Assy SAE 3		
2	43306043	1	Housing, Flywheel		
3	243B0068	1	Cover, Check		
4	243B0069	2	Screw		
5	24350040	10	Screw		
6	43306038	1	Spider, Drive Assy		
7	43306039	1	Spider, Drive		
8	243M0001	12	Rubber Block		
9	D050805T	6	Bolt, Reamer 11.5"		
10	43306034	1	Ring, Driving Assy		
11	43306036	1	Driving Ring		
12	43306037	1	Center Ring Assy		
13	D050863T	1	Cover, Rubber		
14	243M0002	6	Block, Center Rubber		
15	D050861T	1	Ring, Center 11.5"		
16	D050864T	1	Stopper, Center Ring		
17	D050862T	1	Plate 11.5"		
18	43306035	12	Bolt, Reamer		



D_DMT50A_10

Trolling Valve Group

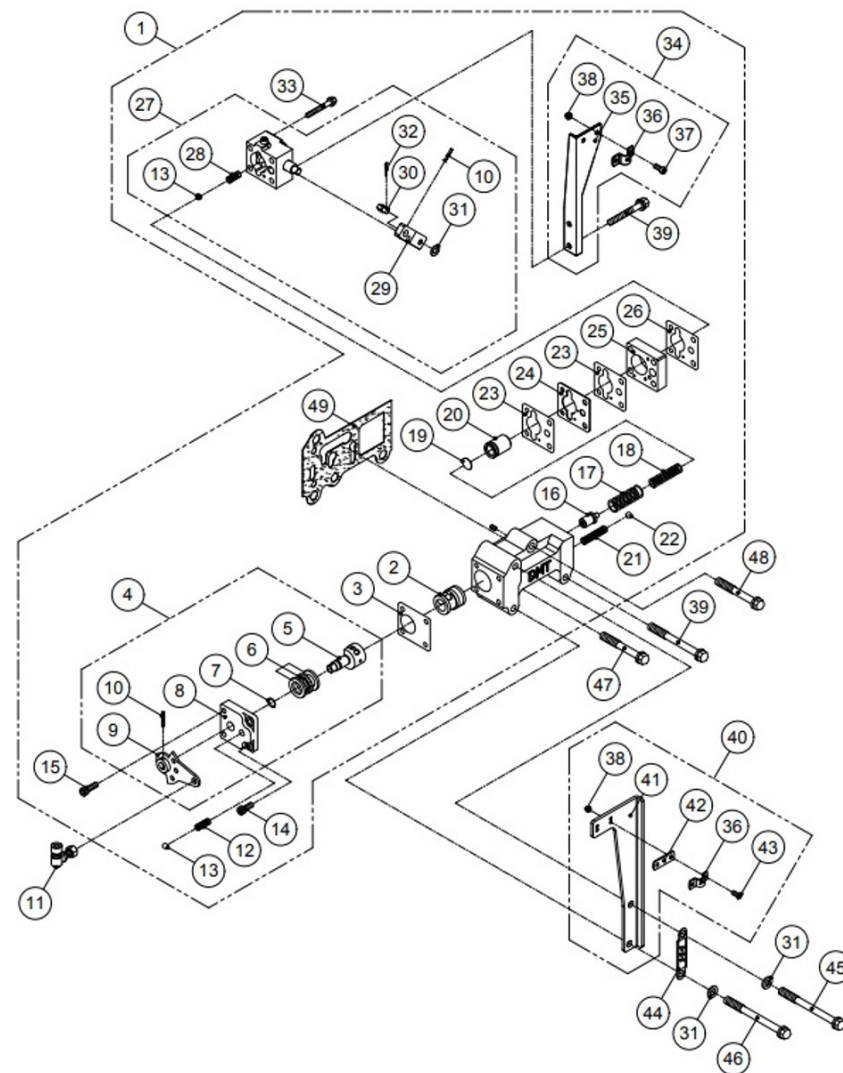
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	DST140500T	1	Trolling Valve Group			
2	D025514	1	Sleeve			
3	243D5448	1	Gasket, Valve Cover			
4	243B0536	1	Lever Group			
5	243D5443	1	Stem, Valve			
6	243D5442	1	Bearing, Thrust			
7	243B0543	1	O-Ring			
8	243D5440	1	Cover, Valve			
9	243D5437	1	Lever Assy			
10	243B0541	2	Pin, Spring			
11	D400524	1	Ball Joint ASS'Y			
12	243D5447	1	Spring, Detent			
13	243B0548	2	Ball, Steel			
14	243B0547	2	Screw, Socket			
15	243B0546	2	Screw, Socket			
16	D150510A	1	Pressure Regulating Valve ASS'Y			
17	243D5479	1	Spring, Outer			
18	243D5450	1	Spring, Trolling			
19	243D5453	0	Spacer	#		
20	243D5454	1	Piston			
21	243D5451	1	Spring, Check Valve			
22	243B0555	1	Ball, Steel			
23	243D5455	2	Gasket, Plate			
24	243D5456	1	Plate, Orifice			
25	243D5457	1	Plate			
26	243D5458	1	Gasket, Trolling Valve			
27	243D5459	1	Trolling Valve Assy			
28	243D5460	1	Spring, Detent			
29	243D5471	1	Lever, Trolling			
30	243D5435	1	Pin, Cable			
31	243B0540	3	Washer			



D_DMT50A_10

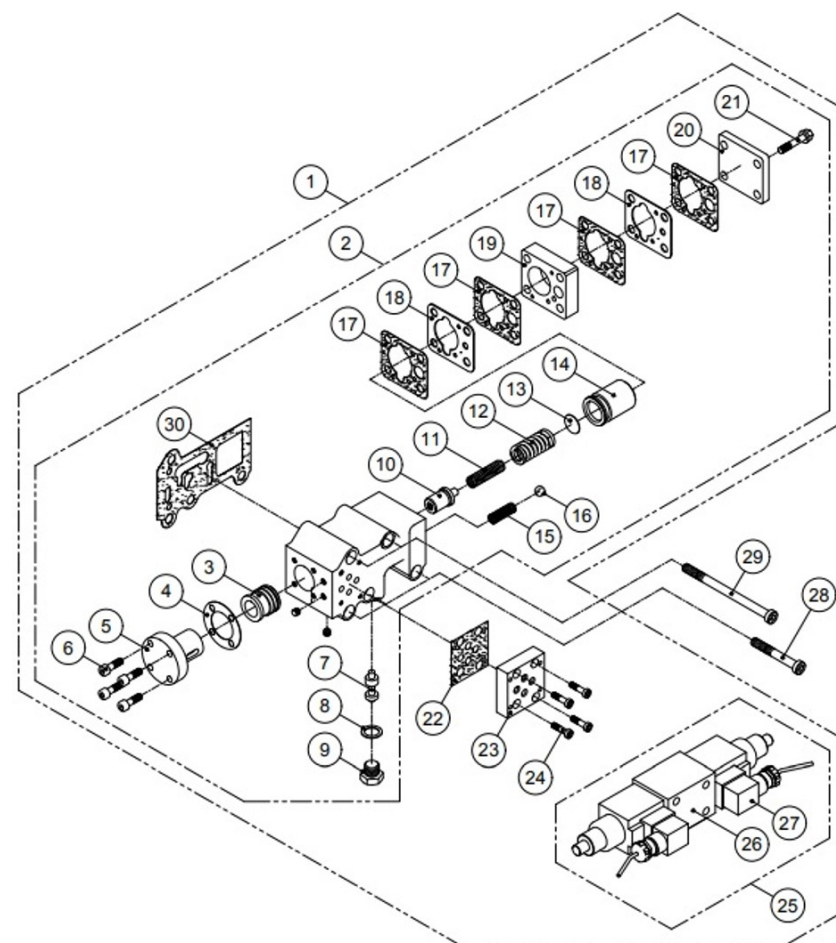
Trolling Valve Group

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
32	243B0538	1	Pin, Snap			
33	243B0022	2	Screw			
34	243B0621	1	Trolling Bracket Assy			
35	243D5464	1	Bracket, Trolling			
36	243D5465	2	Clamp			
37	243B0570	2	Screw			
38	243B0569	4	Nut			
39	243B0563	3	Screw			
40	243B0567	1	Cable Bracket Assy			
41	243D5474	1	Bracket, Cable			
42	D400525	1	Shim			
43	DX05080014S	2	Screw			
44	243D5475	1	Plate, Position Name			
45	DB08125135	1	Screw			
46	243B0564	1	Screw			
47	243B0562	1	Screw			
48	DB08125110	1	Screw			
49	43305070	1	Gasket, Selector Valve			



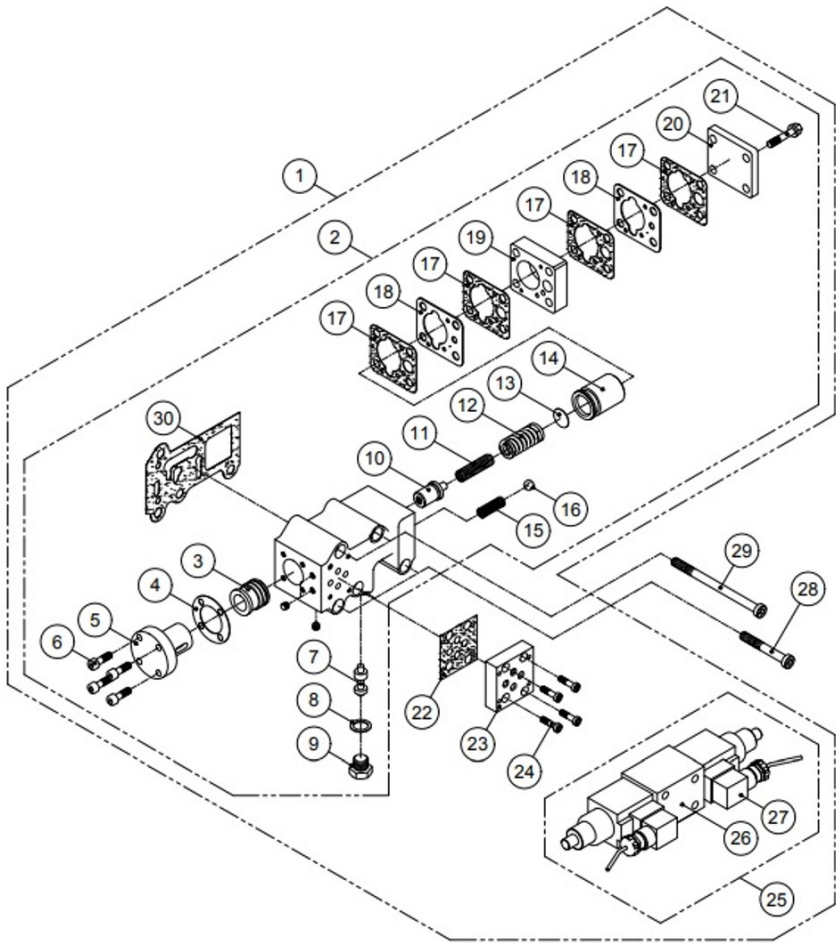
D_DMT50A_11 Electric Valve Group

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1A	DST200560	1	Electric Valve			
1B	DST200570	1	Electric Valve			
2	DAS200560	1	Electric Valve ASS'Y			
3	D025514	1	Sleeve			
4	D240506	1	Gasket, Core			
5	D240504	1	Core, Electron Valve			
6	243B0546	4	Screw, Socket			
7	D240503	1	Valve, Directional Control			
8	243D5050	1	Screw			
9	D240502	1	Plug, Valve			
10	D150510A	1	Pressure Regulating Valve ASS'Y			
11	243D5450	1	Spring, Trolling			
12	243D5479	1	Spring, Outer			
13	243D5453	1	Spacer			
14	243D5454	1	Piston			
15	243D5451	1	Spring, Check Valve			
16	243B0555	1	Ball, Steel			
17	243D5455	4	Gasket, Plate			
18	D280547	2	Plate, Orifice			
19	D280552	1	Plate			
20	D280510	1	Cover, Piston			
21	243B0040	4	Screw			
22	D400653	1	Gasket, Sub Plate			
23	D400652	1	Plate, Sub			
24	DC05080018	4	Screw, Socket			
25A	D140550	1	Solenoid ASS'Y 24V			
25B	D140560	1	Solenoid ASS'Y 12V			
26A	D140551	1	Solenoid Valve 24V			
26B	D140561	1	Solenoid Valve 12V			
27A	D140559	2	Solenoid Connector ASS'Y 24V			
27B	D140569	2	Solenoid Connector ASS'Y 12V			



D_DMT50A_11 Electric Valve Group

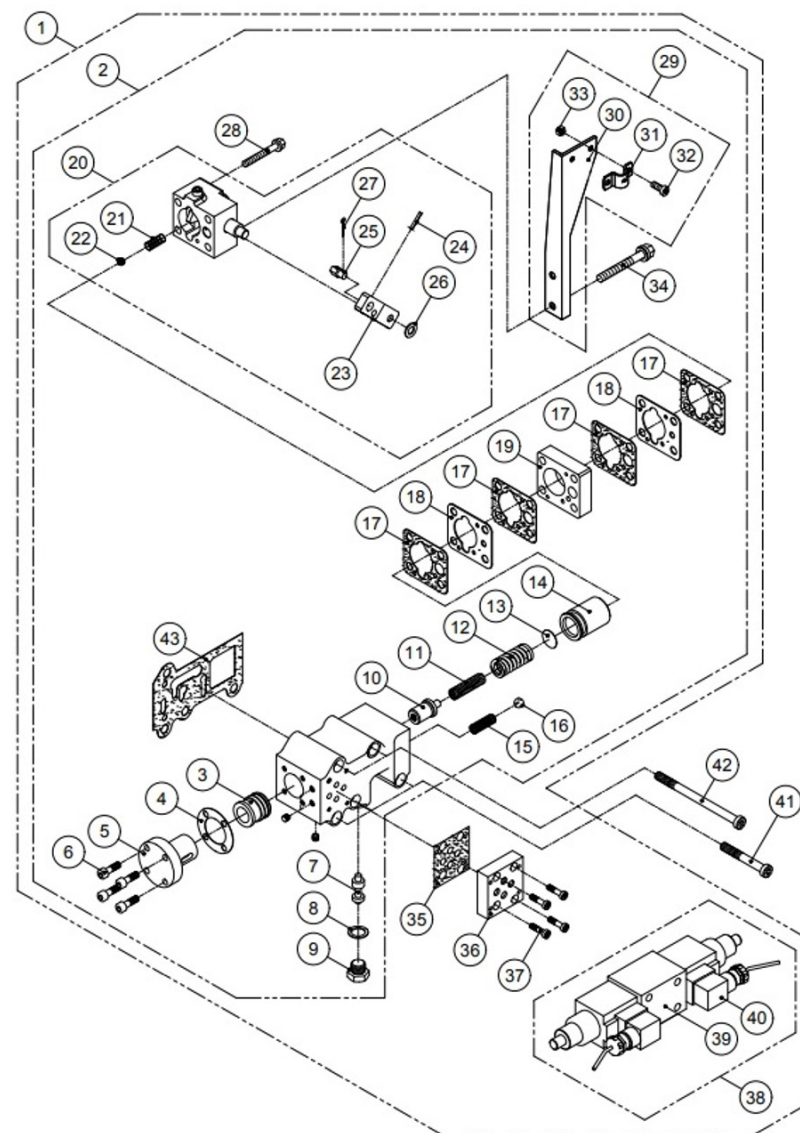
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
28	DC08125070	3	Screw, Socket			
29	DC08125120	2	Screw, Socket			
30	43305070	1	Gasket, Selector Valve			



D_DMT50A_12

Electric Valve Group

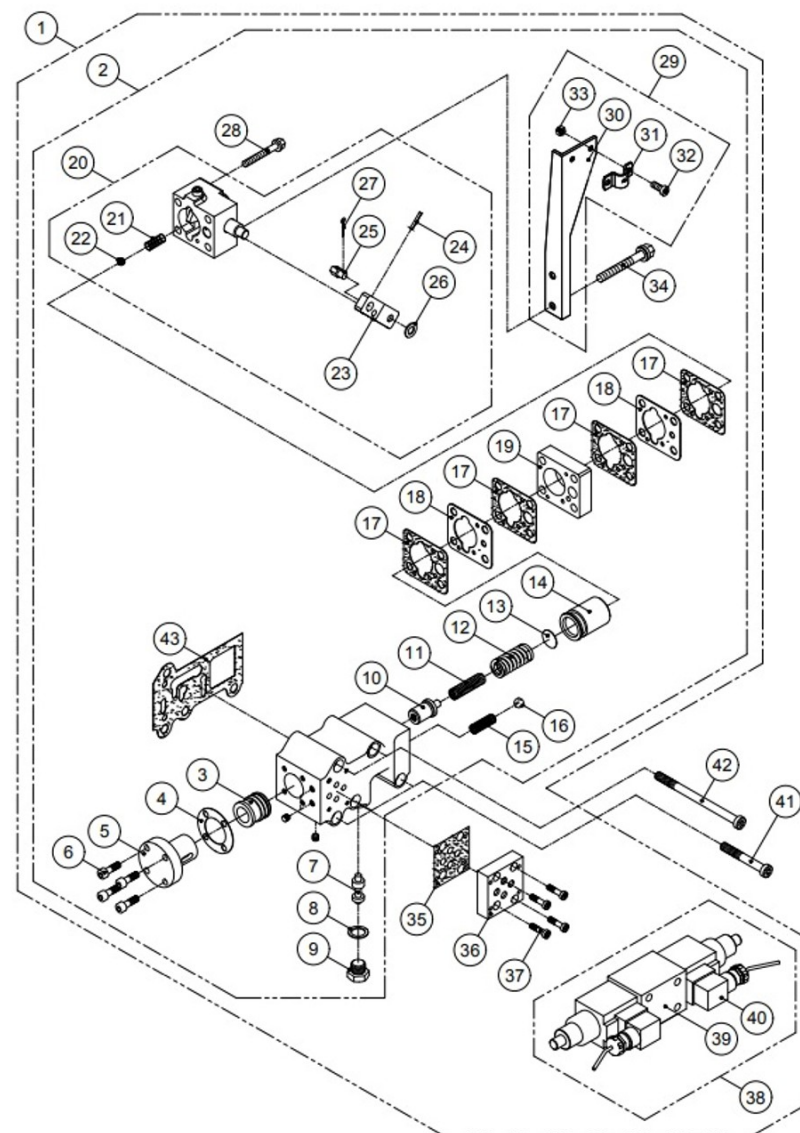
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1A	DST140580	1	Electric Valve			
1B	DST140590	1	Electric Valve			
2	DAS140580	1	Electric Valve Ass'Y			
3	D025514	1	Sleeve			
4	D240506	1	Gasket, Core			
5	D240504	1	Core, Electron Valve			
6	243B0546	4	Screw, Socket			
7	D240503	1	Valve, Directional Control			
8	243D5050	1	Screw			
9	D240502	1	Plug, Valve			
10	D150510A	1	Pressure Regulating Valve ASS'Y			
11	243D5450	1	Spring, Trolling			
12	243D5479	1	Spring, Outer			
13	243D5453	0	Spacer	#		
14	243D5454	1	Piston			
15	243D5451	1	Spring, Check Valve			
16	243B0555	1	Ball, Steel			
17	243D5455	4	Gasket, Plate			
18	D280547	2	Plate, Orifice			
19	D280552	1	Plate			
20	D400540	1	Trolling Valve ASS'Y			
21	243D5460	1	Spring, Detent			
22	243B0548	1	Ball, Steel			
23	243D5471	1	Lever, Trolling			
24	243B0541	1	Pin, Spring			
25	243D5435	1	Pin, Cable			
26	243B0540	1	Washer			
27	243B0538	1	Pin, Snap			
28	243B0563	2	Screw			
29	243B0621	1	Trolling Bracket Assy			
30	243D5464	1	Bracket, Trolling			



D_DMT50A_12

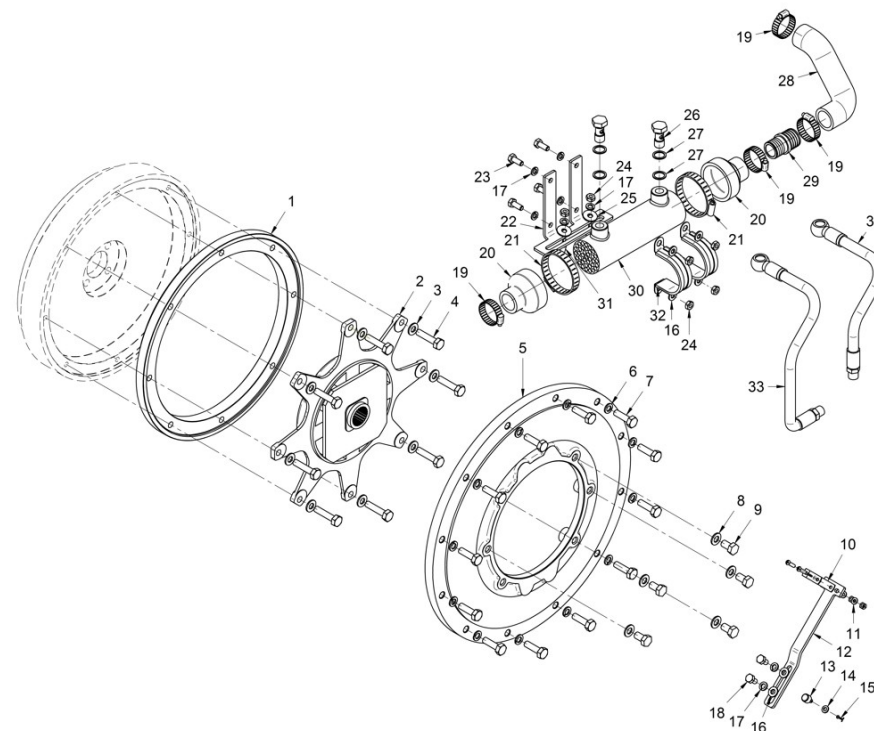
Electric Valve Group

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
31	243D5465	1	Clamp			
32	243B0570	2	Screw			
33	243B0569	2	Nut			
34	243B0022	2	Screw			
35	D400653	1	Gasket, Sub Plate			
36	D400652	1	Plate, Sub			
37	DC05080018	4	Screw, Socket			
38A	D140550	1	Solenoid ASS'Y 24V			
38B	D140560	1	Solenoid ASS'Y 12V			
39A	D140551	1	Solenoid Valve 24V			
39B	D140561	1	Solenoid Valve 12V			
40A	D140559	2	Solenoid Connector ASS'Y 24V			
40B	D140569	2	Solenoid Connector ASS'Y 12V			
41	DC08125070	3	Screw, Socket			
42	DC08125120	2	Screw, Socket			
43	43305070	1	Gasket, Selector Valve			

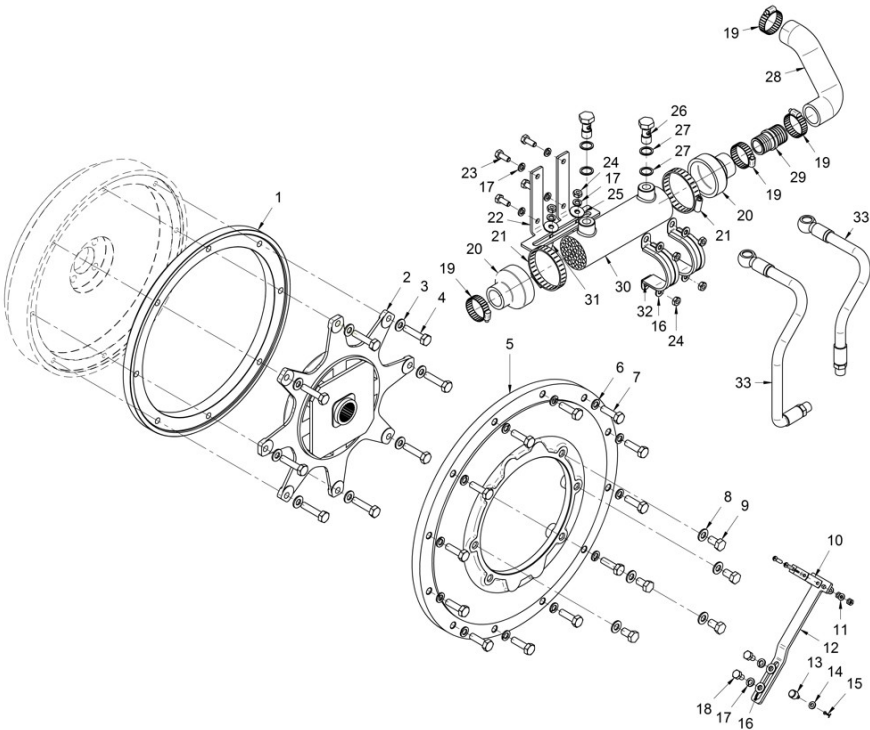


17410210 Kit GearBox TM-345/A

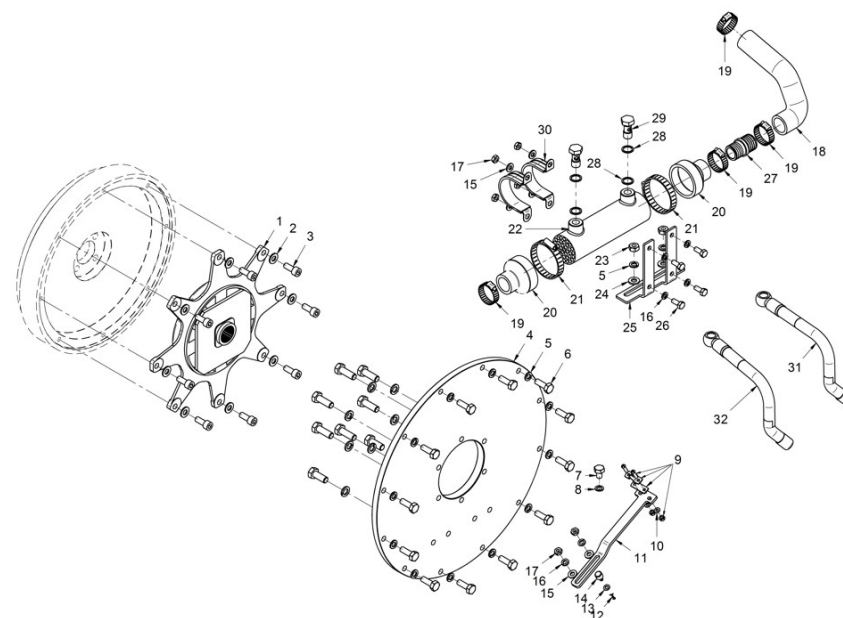
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	17410022	1	Flywheel Supplement			
2	16510170	1	Flexible coupling type C SAE 11"1/2			
3	53038010	8	Washer DIN 6798-A 10			
4	52101312	8	Bolt DIN 931 M10-45 8.8			
5	14910012	1	SAE 3 housing gearbox			
6	53033010	12	Washer GROWER DIN 127-10			
7	52101310	12	Bolt DIN 931 M10-35 8.8			
8	53038012	5	Washer DIN 6798-A 12			
9	52302307	5	Bolt DIN 933 W7/16-20 8.8			
10	24810913	1	Clamp,CABLE			
11	51030005	2	Washer DIN 125-5			
12	18619020	1	Bracket,Gear box control			
13	14719115	1	Coupling,cable			
14	51030006	1	Washer DIN 125-6			
15	51051107	1	Pin DIN-94 1,6-16			
16	51030008	6	Washer DIN 125-8			
17	53033008	8	Washer GROWER DIN 127-8			
18	52102256	2	Bolt DIN 933 M8-16 8.8			
19	54082025	4	Clamp DIN 3017 25-40/12 W4			
20	15312007	2	Water Cooler Cover			
21	54082050	2	Clamp DIN 3017 50-70/12 W4			
22	18012041	1	Bracket,TM93/170 oil cooler			
23	52102257	4	Bolt DIN 933 M8-20 8.8			
24	52120008	6	Nut DIN 934 M8 8.8			
25	51031008	2	Washer DIN 9021 8			
26	14712015	2	Bolt,Coupling pipe oil			
27	59031017	4	Washer			
28	17511009	1	Hose			
29	18011026	1	Pipe			
30	1A012051	1	Cooler,oil			
31	12120018	2	Stud			



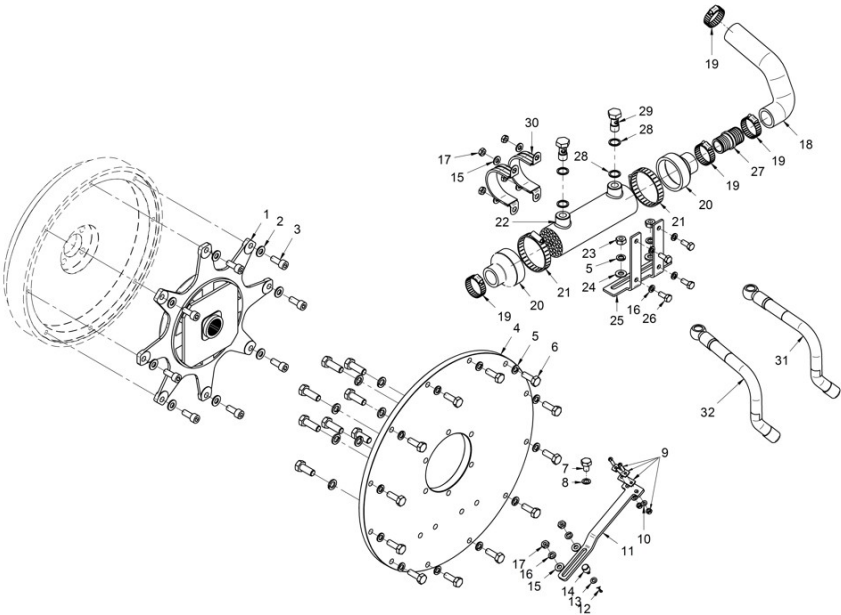
17410210 Kit GearBox TM-345/A					
Fig.	Ref.	Qty.	Descr.	Obs	From UpTo
32	59072604	2	Clamp		
33	17012024	2	Pipe		



17410215		Kit GearBox TM-170/A/880A			
Fig.	Ref.	Qty.	Descr.	Obs	From UpTo
1	16510170	1	Flexible coupling type C SAE 11"1/2		
2	53038010	8	Washer DIN 6798-A 10		
3	52103308	8	Bolt DIN 912 M10-25 8.8		
4	24810021	1	SAE 3 housing TM-93/A/170/880A (H=12,5 mm)		
5	53033010	14	Washer GROWER DIN 127-10		
6	52102309	12	Bolt DIN 933 M10-30 8.8		
7	52102306	1	Bolt DIN 933 M10-15 8.8		
8	56000061	1	Washer 10-16-1,5		
9	24810913	1	Clamp,CABLE		
10	51030005	2	Washer DIN 125-5		
11	18619020	1	Bracket,Gear box control		
12	51051107	1	Pin DIN-94 1,6-16		
13	51030006	3	Washer DIN 125-6		
14	14719115	1	Coupling,cable		
15	51030008	6	Washer DIN 125-8		
16	53033008	6	Washer GROWER DIN 127-8		
17	52120008	6	Nut DIN 934 M8 8.8		
18	17511009	1	Hose		
19	54082025	4	Clamp DIN 3017 25-40/12 W4		
20	15312007	2	Water Cooler Cover		
21	54082050	2	Clamp DIN 3017 50-70/12 W4		
22	1A012051	1	Cooler,oil		
23	52120010	2	Nut DIN 934 M10 8.8		
24	51030010	2	Washer DIN 125-10		
25	13912041	1	Bracket,TM Oil Cooler	25/06/2017	
25	18012041	1	Bracket,TM93/170 oil cooler		25/06/2017
26	52102257	4	Bolt DIN 933 M8-20 8.8		
27	18011026	1	Pipe		
28	59031017	4	Washer		
29	14712015	2	Bolt,Coupling pipe oil		
30	59072604	2	Clamp		

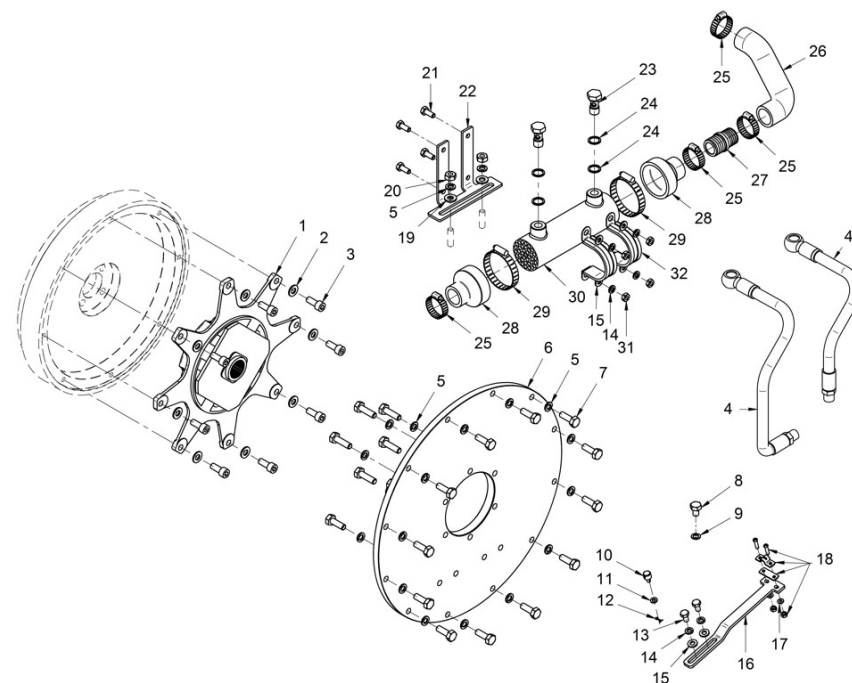


17410215 Kit GearBox TM-170/A/880A					
Fig.	Ref.	Qty.	Descr.	Obs	From UpTo
31	17112024	1	Pipe, rev.oil Cooler		
32	19412017	1	Pipe,rev.oil cooler		

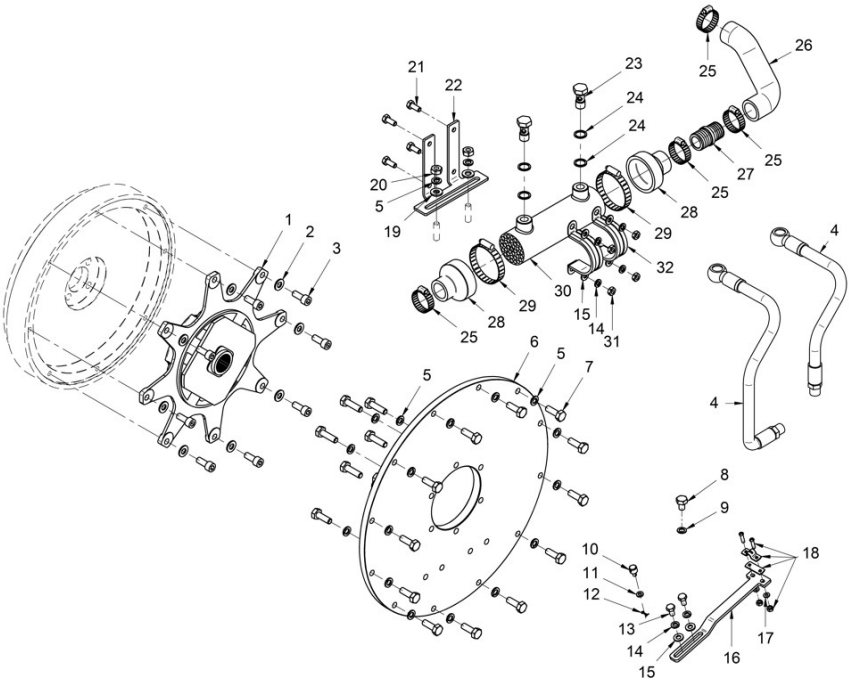


17410200 Kit GearBox TM-93/A

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	16510170	1	Flexible coupling type C SAE 11"1/2			
2	53038010	8	Washer DIN 6798-A 10			
3	52103308	8	Bolt DIN 912 M10-25 8.8			
4	17112024	2	Pipe, rev.oil Cooler			
5	53033010	14	Washer GROWER DIN 127-10			
6	24810021	1	SAE 3 housing TM-93/A/170/880A (H=12,5 mm)			
7	52102309	12	Bolt DIN 933 M10-30 8.8			
8	52102306	1	Bolt DIN 933 M10-15 8.8			
9	56000061	1	Washer 10-16-1,5			
10	14719115	1	Coupling,cable			
11	51030006	4	Washer DIN 125-6			
12	51051107	1	Pin DIN-94 1,6-16			
13	52102256	2	Bolt DIN 933 M8-16 8.8			
14	53033008	6	Washer GROWER DIN 127-8			
15	51030008	6	Washer DIN 125-8			
16	18619020	1	Bracket,Gear box control			
17	51030005	2	Washer DIN 125-5			
18	24810913	1	Clamp,CABLE			
19	51030010	2	Washer DIN 125-10			
20	52120010	2	Nut DIN 934 M10 8.8			
21	52102257	4	Bolt DIN 933 M8-20 8.8			
22	13912041	1	Bracket,TM Oil Cooler			20/05/2018
22	18012041	1	Bracket,TM93/170 oil cooler		20/05/2018	
23	14712015	2	Bolt,Coupling pipe oil			
24	59031017	4	Washer			
25	54082025	4	Clamp DIN 3017 25-40/12 W4			
26	17411022	1	Rubber Elbow			
27	18011026	1	Pipe			
28	15312007	2	Water Cooler Cover			
29	54082050	2	Clamp DIN 3017 50-70/12 W4			
30	1A012051	1	Cooler,oil			

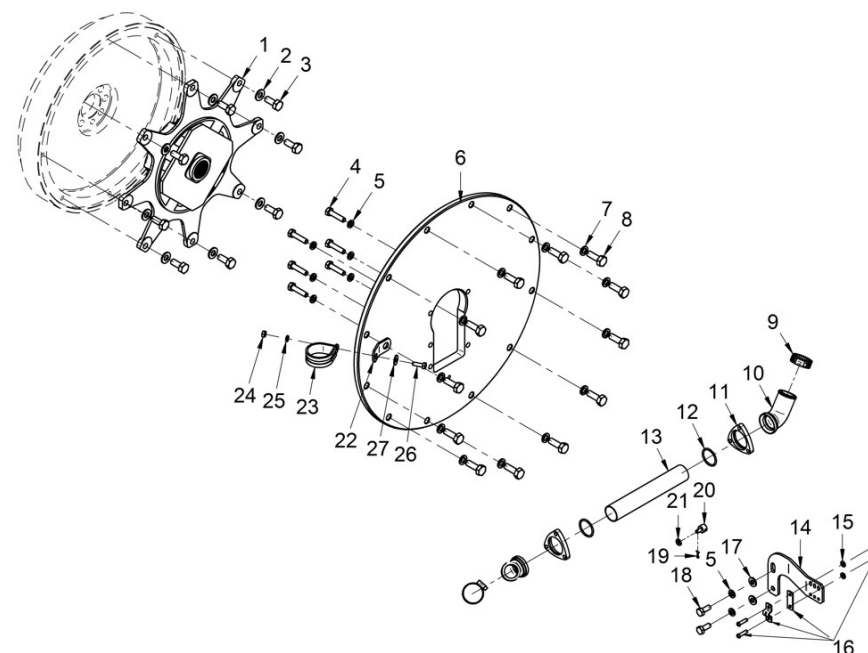


17410200 Kit GearBox TM-93/A					
Fig.	Ref.	Qty.	Descr.	Obs	From UpTo
31	52120008	4	Nut DIN 934 M8 8.8		
32	59072604	2	Clamp		



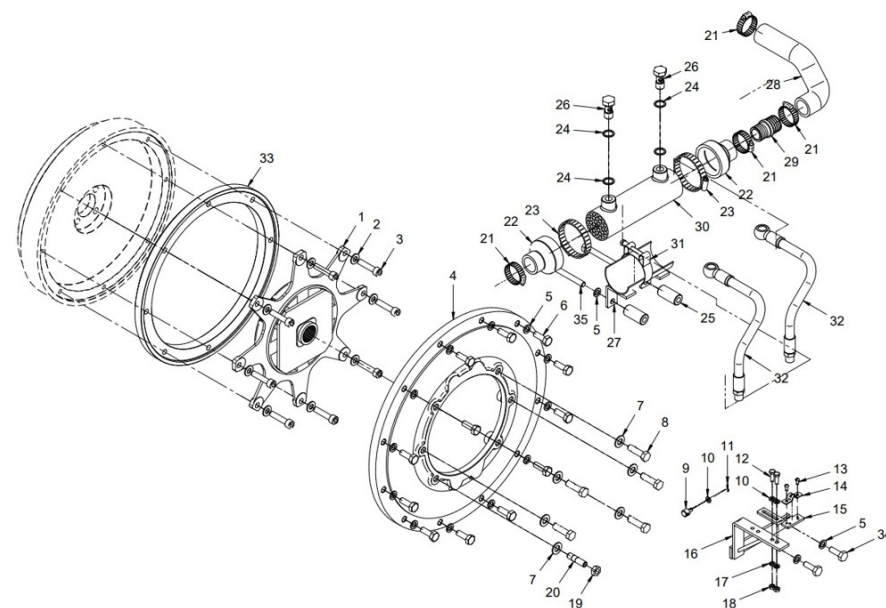
17410227 Kit GearBox TMC-260 MINI-74

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	16510170	1	Flexible coupling type C SAE 11"1/2			
2	53038010	8	Washer DIN 6798-A 10			
3	52103308	8	Bolt DIN 912 M10-25 8.8			
4	52101260	6	Bolt DIN 931 M8-35 8.8			
5	53033008	8	Washer GROWER DIN 127-8			
6	17410012	1	Adaptor Flange.			
7	53033010	12	Washer GROWER DIN 127-10			
8	52102309	12	Bolt DIN 933 M10-30 8.8			
9	54082025	2	Clamp DIN 3017 25-40/12 W4			
10	24890053	2	Elbow			
11	24890051	2	Cover			
12	24890052	2	O-Ring D. 32X2,5			
13	24890054	1	Cooler Pipe			
14	24880901	1	Bracket, GearBox Control			
15	51030005	3	Washer DIN 125-5			
16	24810913	1	Clamp,CABLE			
17	51030008	2	Washer DIN 125-8			
18	52102257	2	Bolt DIN 933 M8-20 8.8			
19	51051107	1	Pin DIN-94 1,6-16			
20	14719115	1	Coupling,cable			
21	51030006	2	Washer DIN 125-6			
22	13817011	1	Bracket			
23	59071452	2	Clamp 1 42/15 W1			
24	52120006	1	Nut DIN 934 M6 8.8			
25	53033006	1	Washer GROWER DIN 127-6			
26	52102157	1	Bolt DIN 933 M6-20 8.8			
27	51031006	1	Washer DIN 9021 6			
NS	52102106	1	Bolt DIN 933 M5-15 8.8			
NS	M87503242	2.0	Water Intake Hose (HQ) D. 32-42			

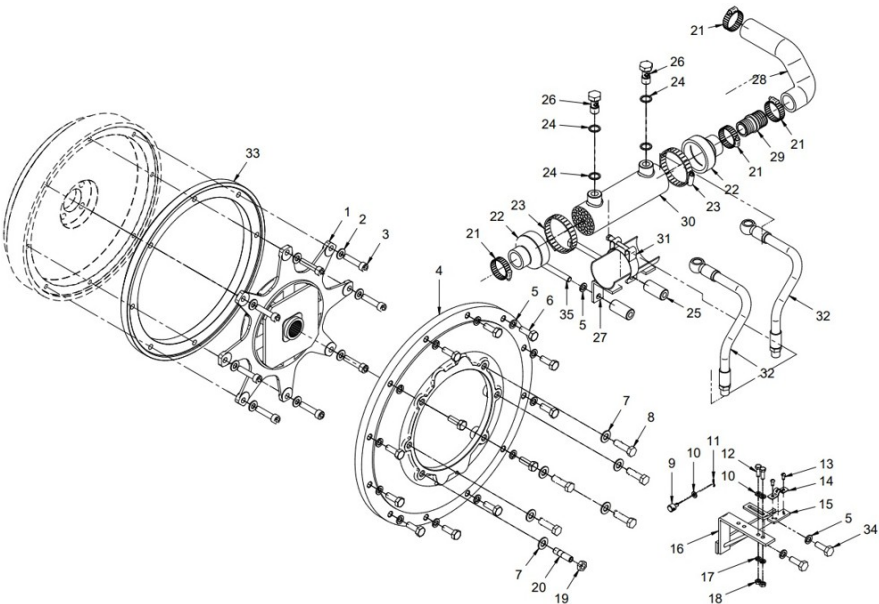


17410255 Kit GearBox ZF 68 IV

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	16510170	1	Flexible coupling type C SAE 11"1/2			
2	53038010	8	Washer DIN 6798-A 10			
3	52103312	8	Bolt DIN 912 M10-45 8.8			
4	14910012	1	SAE 3 housing gearbox			
5	53033010	16	Washer GROWER DIN 127-10			
6	52102309	12	Bolt DIN 933 M10-30 8.8			
7	53038012	6	Washer DIN 6798-A 12			
8	52302310	5	Bolt DIN 933 W7/16-35 8.8			
9	14719115	1	Coupling,cable			
10	51030006	6	Washer DIN 125-6			
11	51051107	1	Pin DIN-94 1,6-16			
12	52102157	2	Bolt DIN 933 M6-20 8.8			
13	55307104	2	Bolt DIN 86 W3/16-10			
14	14719013	1	Clamp,cable			
15	12119021	1	SUPORT Clamp			
16	16519020	1	Bracket, Gear box control			
17	53033006	2	Washer GROWER DIN 127-6			
18	52120006	2	Nut DIN 934 M6 8.8			
19	52320716	1	Nut DIN 934 W 7/16 8.8			
20	17510004	1	Stud 7/16Wx44			
21	54082025	4	Clamp DIN 3017 25-40/12 W4			
22	15312007	2	Water Cooler Cover			
23	54082050	2	Clamp DIN 3017 50-70/12 W4			
24	59031017	4	Washer			
25	17017102	2	Spacer 10,5X22X46			
26	14712015	2	Bolt,Coupling pipe oil			
27	16512010	1	Bracket,oil cooler			
28	17511009	1	Hose			
29	18011026	1	Pipe			
30	1A012051	1	Cooler,oil			
31	51083060	1	GP Clamp 59-63 W2			

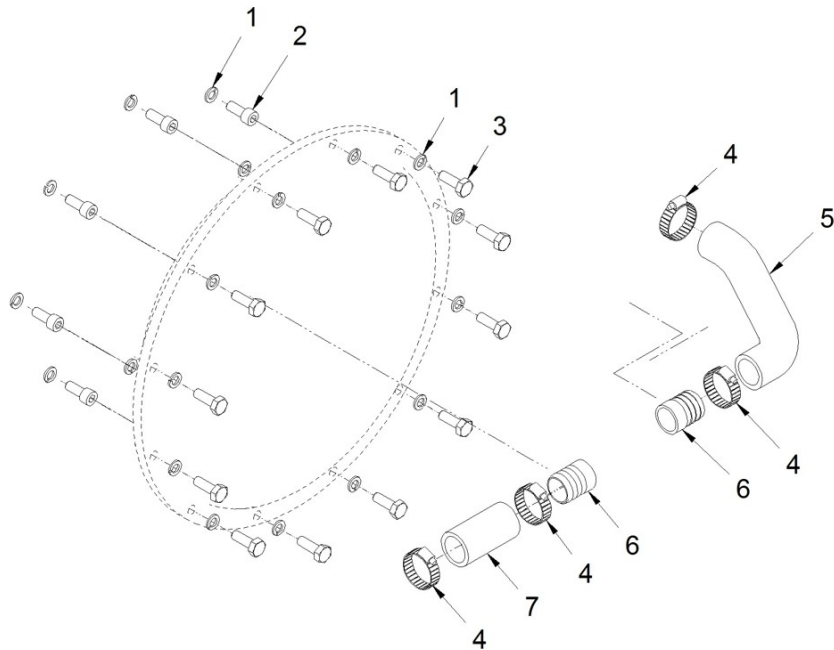


17410255 Kit GearBox ZF 68 IV					
Fig.	Ref.	Qty.	Descr.	Obs	From UpTo
32	18512024	2	Pipe		
33	17410022	1	Flywheel Supplement		
34	52302258	2	Bolt DIN 933 W3/8-25 8.8		
35	52101319	2	Bolt DIN 931 M10-80 8.8		



17410230 Kit DONG-I DMT-25AL Gearbox

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	53033010	20	Washer GROWER DIN 127-10			
2	52103308	8	Bolt DIN 912 M10-25 8.8			
3	52102309	12	Bolt DIN 933 M10-30 8.8			
4	54082025	4	Clamp DIN 3017 25-40/12 W4			
5	17411014	1	Pipe			
6	60180007	2	Outlet Coupling			
7	13611038	1	Pipe 30-40-75			



17410231		Kit DONG-I DMT-50A Gearbox				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	53033010	20	Washer GROWER DIN 127-10			
2	52102309	12	Bolt DIN 933 M10-30 8.8			
3	52103308	8	Bolt DIN 912 M10-25 8.8			
4	60180007	2	Outlet Coupling			
5	17411014	1	Pipe			
6	13611038	1	Pipe 30-40-75			
7	54082025	4	Clamp DIN 3017 25-40/12 W4			

