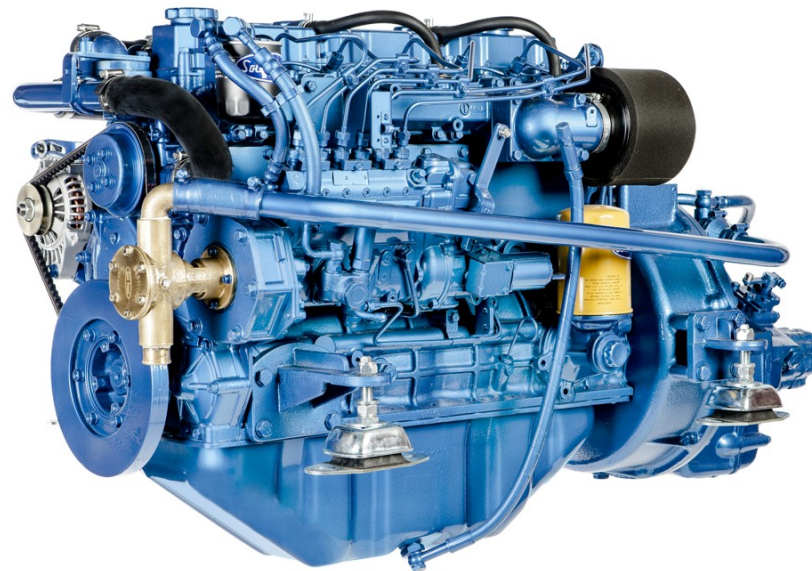
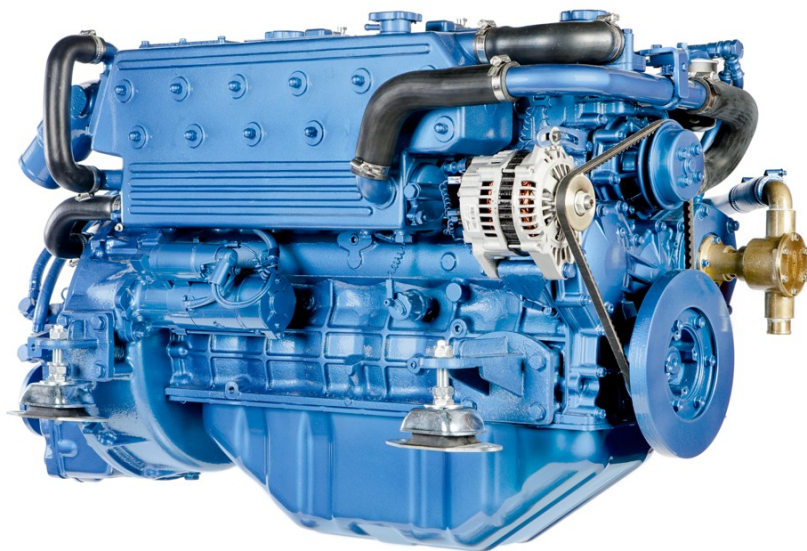




Engine SM-103

VERSION 2024-3

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

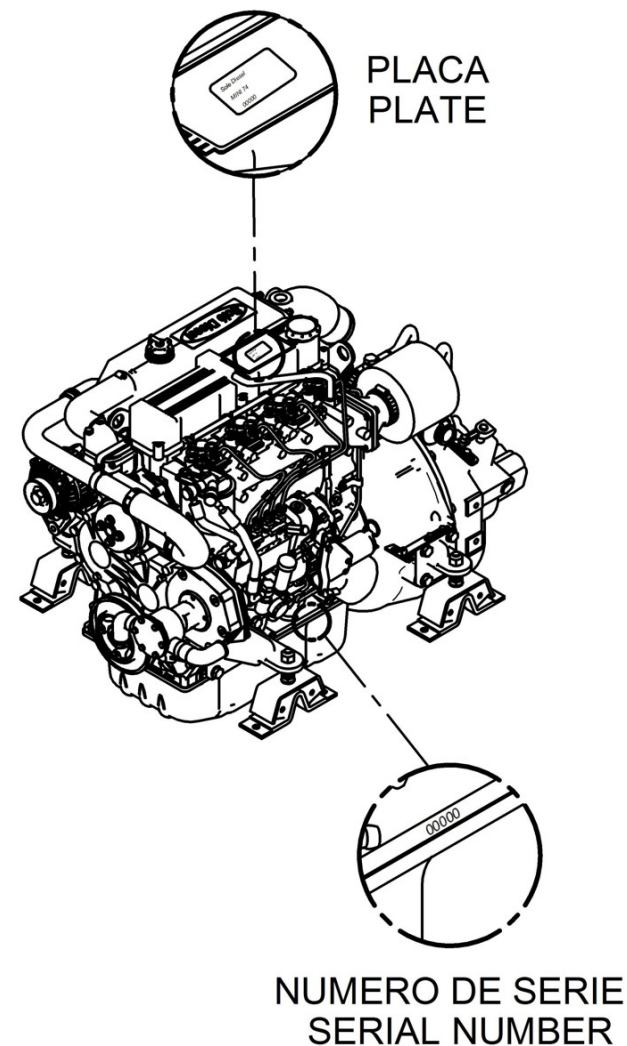
The diagrams shown in this catalog of spare parts, have only the purpose to identify the piece in question, its representation is not meaningful and may differ from the actual piece.

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 - P.O. BOX 25
08760 Martorell (Barcelona) Spain



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Electric Valve Group

PRM 500D

Gearcase Assembly
Oil Pump Assembly
Valve Block Assembly
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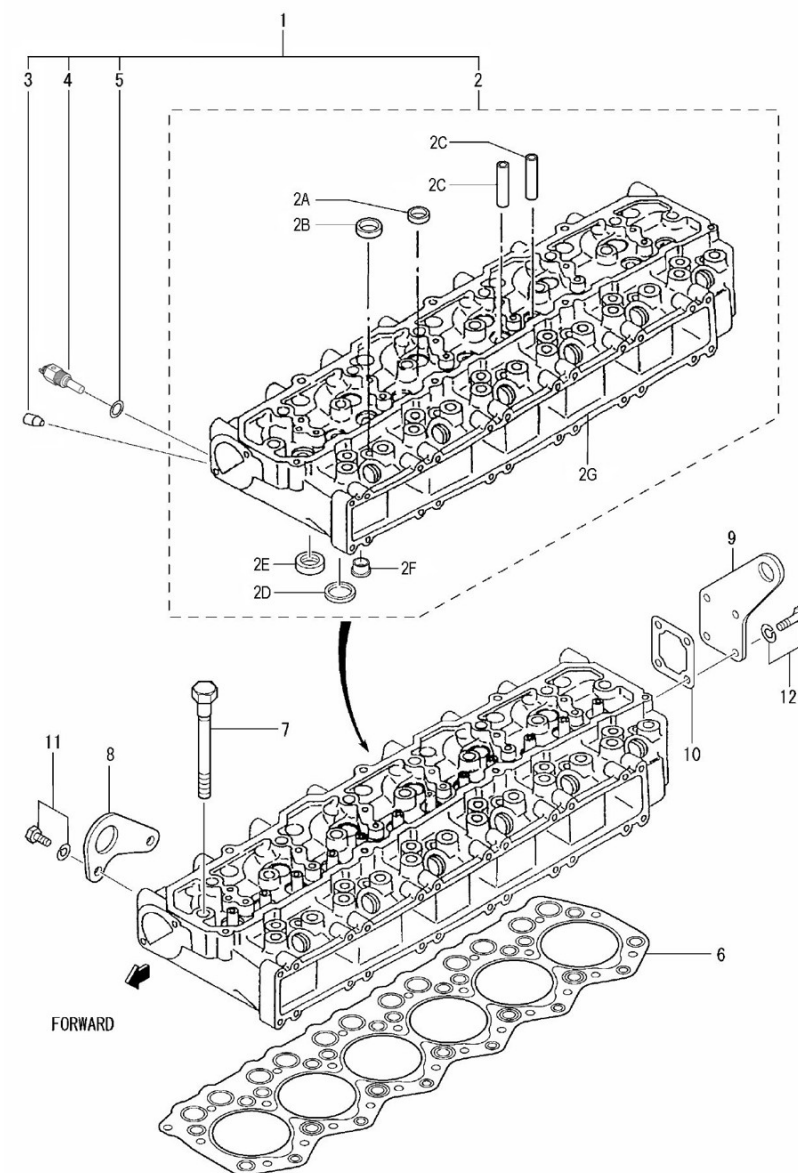
Gearbox PRM750C

Gearcase Assembly
Oil Pump Assembly
Valve Block Assembly
Input Shaft Assembly
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Kit Gearbox

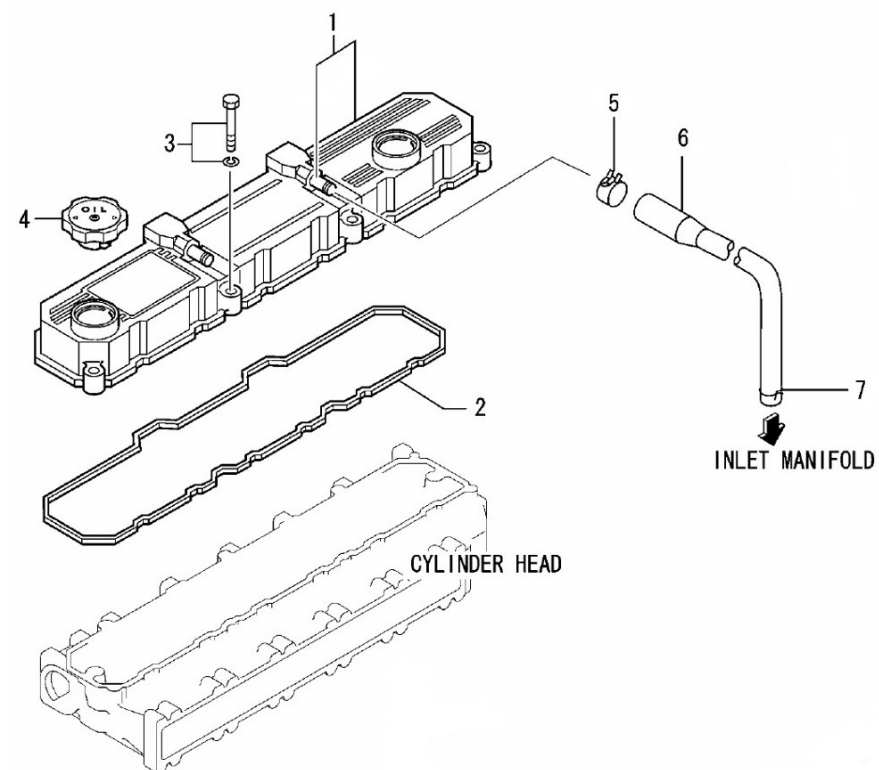
Kit GearBox TM-485A1
Kit GearBox TM-170/170A/880A
Kit GearBox TM-93/A
Kit DONG-I DMT-25AL Gearbox
Kit GearBox ZF 68 IV
Kit DONG-I DMT-50A Gearbox
Kit GearBox PRM-500
Kit GearBox PRM-750 IN-LINE

D_MI10_1_1		Cylinder Head				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	17521001	1	Head Assy,Cylinder			
2	(*)	1	Not available			
2A	17220006	12	Cap, Sealing			
2B	13220012	11	Cap Sealing			
2C	17421002	12	Guide,Valve			
2D	17421061	6	Seat,Valve,IN			
2E	17421062	6	Seat,Valve,Exhaust			
2F	17421015	6	JET,COMBUSTION			
2G	(*1)	1	Not available			
3	(*2)	1	Not available			
4	17121016	1	Plug, drain			17/07/2017
4	17427080	1	Switch,Thermo		17/07/2017	
5	17121013	1	Gasket			
6	17521004	1	Cylinder Head Gasket			
7	17421005	25	Bolt,cylinder head			
8	17420014	1	Eye,Lifting,Front			
9	17421018	1	Eye,Lifting;Head Rea			
10	17421011	1	Gasket			
11	13820043	2	Bolt,W/Washer			
12	17121012	4	Bolt, w/washer			

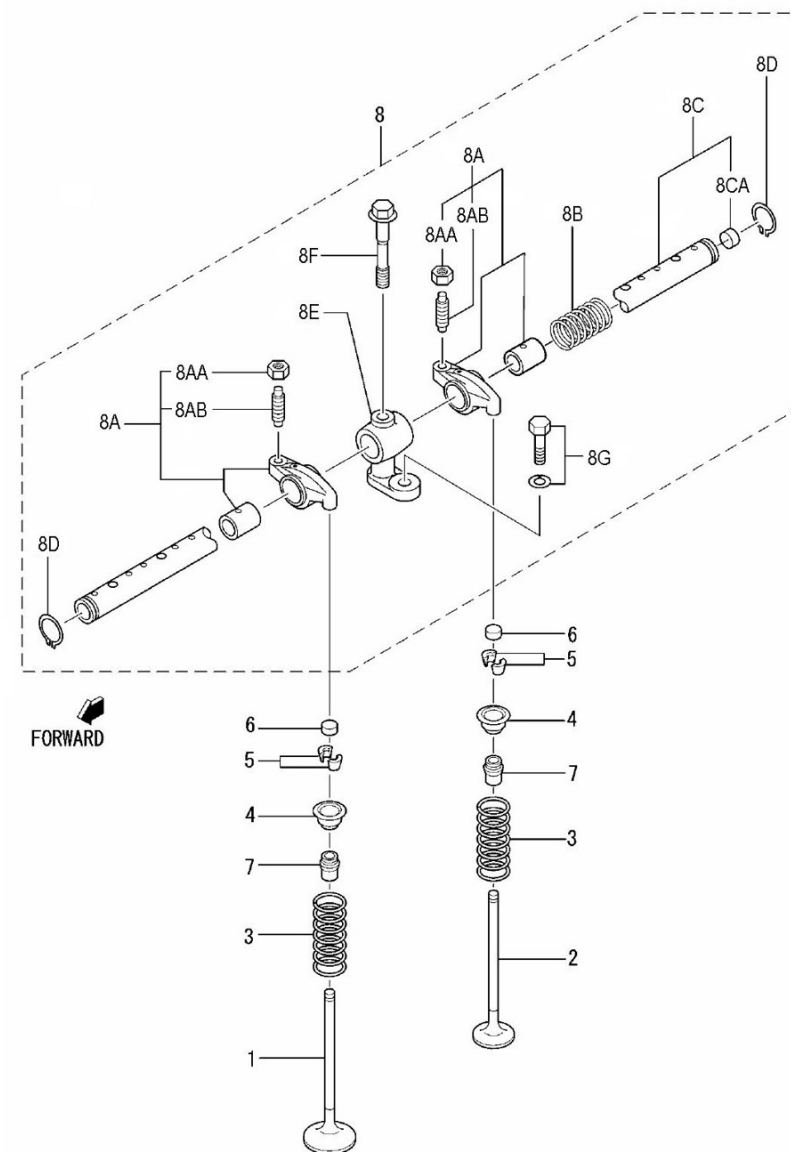


D_MI10_1_2 Rocker Cover & Breather

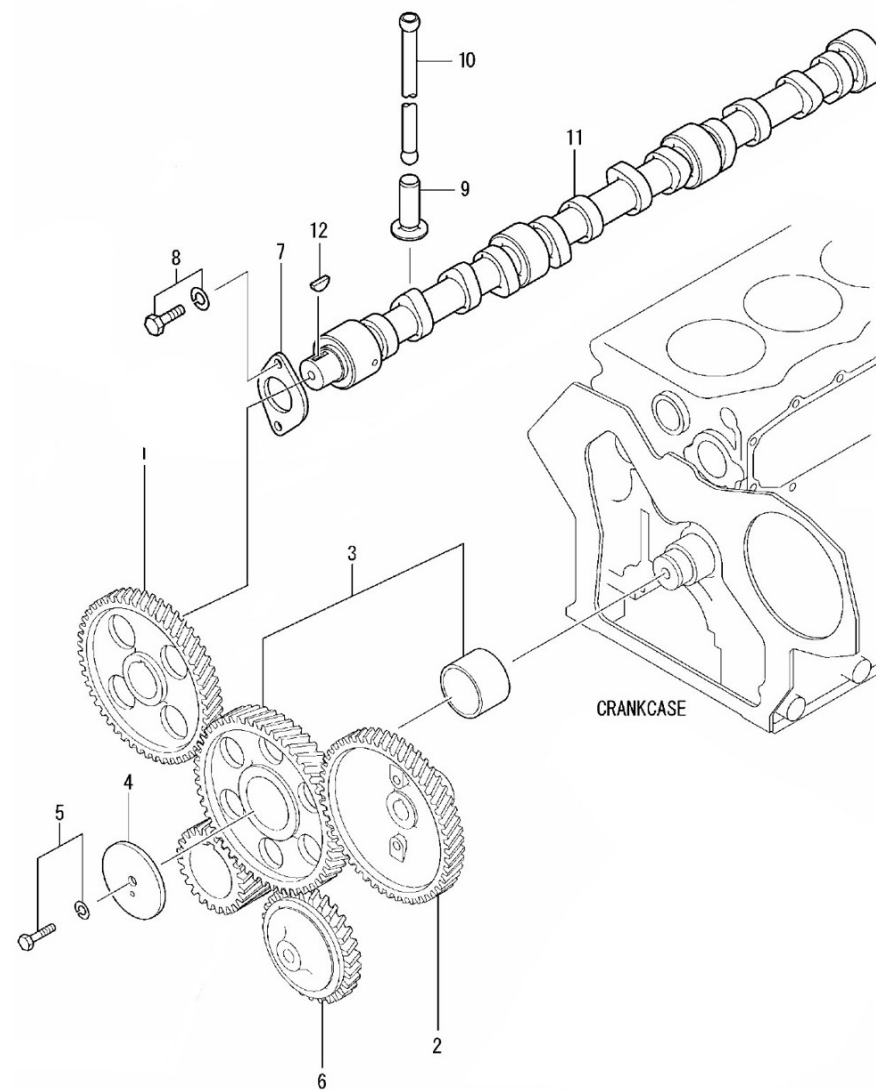
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	17521009	1	Cover Assy,Rocker			30/07/2010
1	17521011	1	Cover Assy,Rocker		30/07/2010	
2	17521010	1	Gasket,Rocker Cover			
3A	52101261	7	Bolt DIN 931 M8-40 8.8			
3B	53033008	7	Washer GROWER DIN 127-8			
4	13221003	2	Cap Oil FILLER			
5	17521007	2	Clip,Hose			
6	17521006	2	Hose,BREATHER			
7	17521007.1	2	Clamp,Hose			



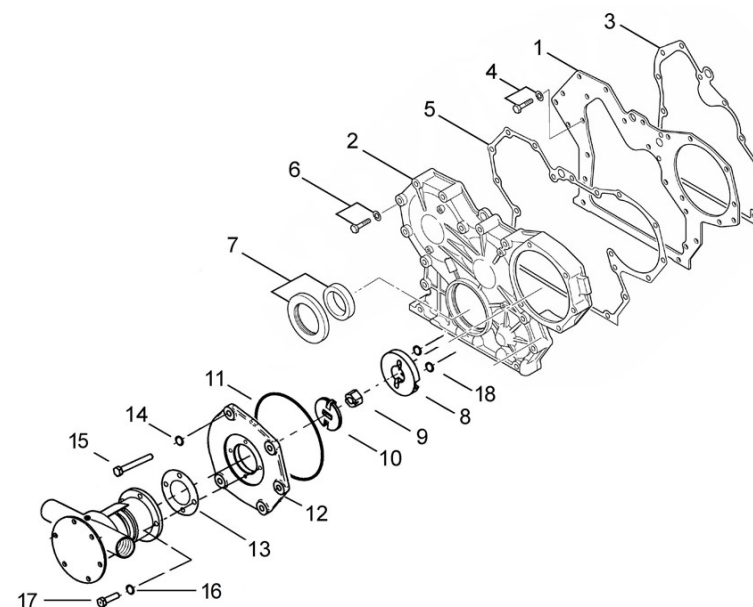
D_MI10_1_3		Valve Drive			
Fig.	Ref.	Qty.	Descr.	Obs	From UpTo
1	17422055.1	6	Valve,Inlet		
2	17422056	6	Exhaust Valve		
3	13322028	12	Spring, valve outler		
4	17422058	12	Retainer,Upper		
5	17122059.1	24	Cotter,Valve		
6	13322024	12	Cap		
7	17422054	12	Seal,Valve Stem		
8	(*)	1	Not available		
8A	17422142.1	12	Rocker Assy		
8AA	17122060	12	Nut		
8AB	17122044	12	Screw Adjusting		
8B	17422047G.1	5	Spring,Rocker		
8C	17522146	1	Shaft,Assy,Rocker		
8D	53040019	2	CIRClip DIN 471 E-19		
8E	17422048	6	Bracket,Rocker Shaft		
8F	17422053	6	Bolt,Rocker Bracket		
8G	17122051	6	Bolt, w/washer		



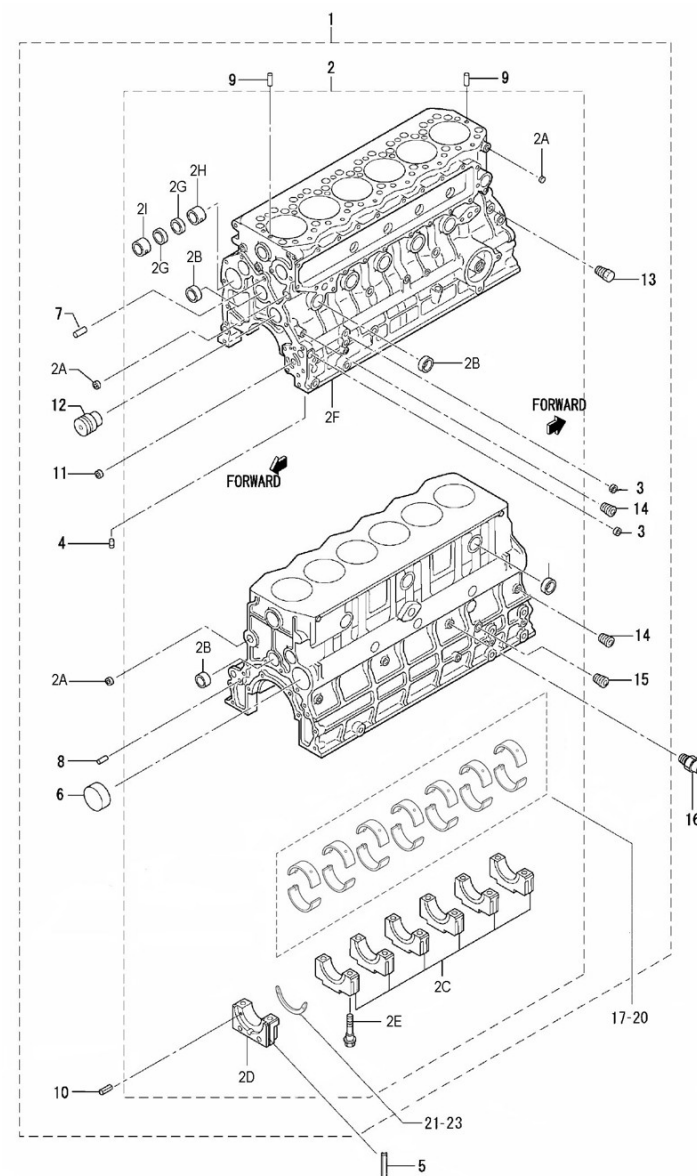
D_MI10_1_4		Timing Parts				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	17422037	1	Gear,CamShaft Z=46			
2	17422040	1	Gear,INJ.Pump Z=46			
3	17422038	1	Gear,IDLER Assy Z=49			
4	17122032	1	Plate, thrust			
5	13322079	1	Bolt			
6	17422066	1	Gear,Oil Pump Z=31			
7	17522075	1	Plate,Thrust			
8	13820043	2	Bolt,W/Washer			
9	17122061	12	Tappet			
10	17122041	12	Rod, push			
11	17522035	1	CamShaft			
12	13322034	1	Key Woodruff			



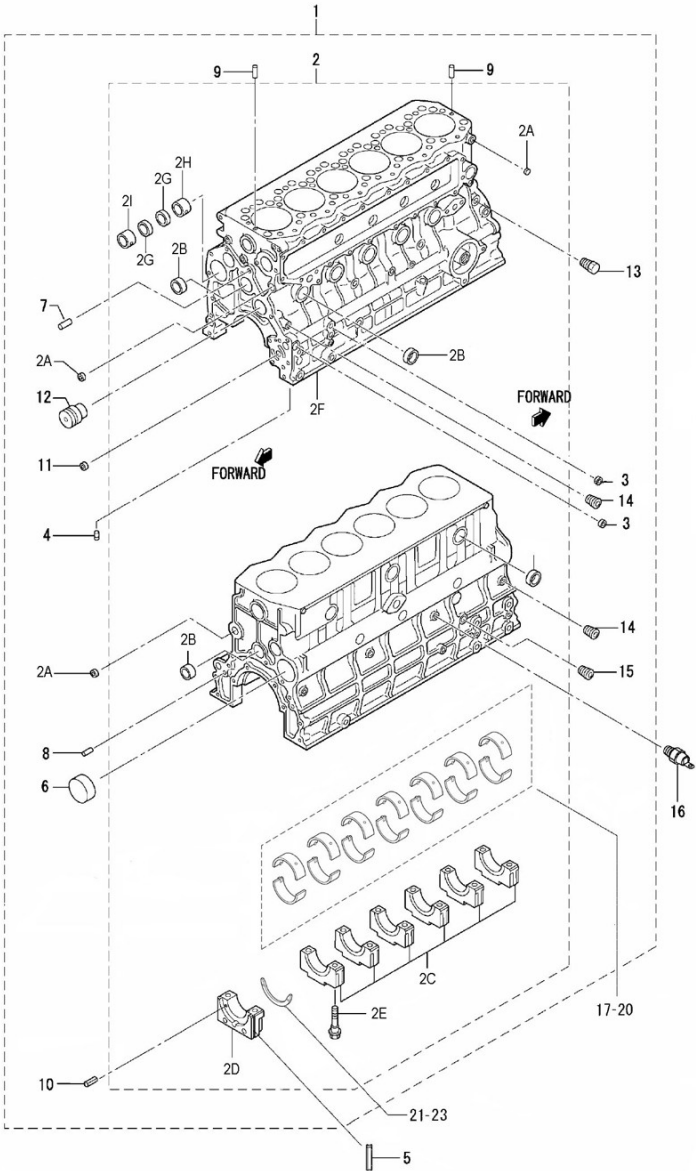
D_MI74_1_5		Gear Case				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	17420024	1	Plate, Front			
2	17420035	1	Case Gear			
3	17420018	1	Gasket,Front Plate			
4	13820043	5	Bolt,W/Washer			
5	17420040	1	Gasket,Gear			
6	17120047	13	Bolt, w/washer			
7	17420039.1	1	Seal Assy,Oil			
8	17411026	1	Coupling Drive			
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_MI10_1_6			Crankcase			
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	17520001	1	CRANKCase Assy			
2	(*)	1	Not available			
2A	13320007	6	Cap, Sealing			
2B	13320006	14	Cap, Sealing			
2C	(*2)	6	Not available			
2D	(*3)	1	Not available			
2E	17420009	14	Bolt Bearing Cap			
2F	(*4)	1	Not available			
2G	13320002	2	Bushing,camShaft n°2			
2H	17120015	1	BUSING,camShaft r			
2I	17520015	1	Bushing,CamShaft,F			
3	17420027G.1	2	Plug,TAPPERED (Generator)			
4	(*1)	4	Not available			
5	17420112	2	Seal,Valve			
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	17420011	1	Bushing			
12	17420034	1	Shaft,IDLER			
13	17120022	1	Plug, tapered			
14	17820011	9	Plug, Tapered			
15	17120021	2	Plug,taper			
16	13320044	1	Switch Oil Pressure			
17	17520003	1	Bearing Set,MAIN STD			
18	17520004	1	Bearing Set,MAIN -0,25			
19	17520005	1	Bearing Set,MAIN -0,50			
20	17520006	1	Bearing Set,MAIN -0,75			
21	17420109	3	Plate,THRUST.C/S STD			
22	17420110	3	Plate,THRUST.C/S +0,15			

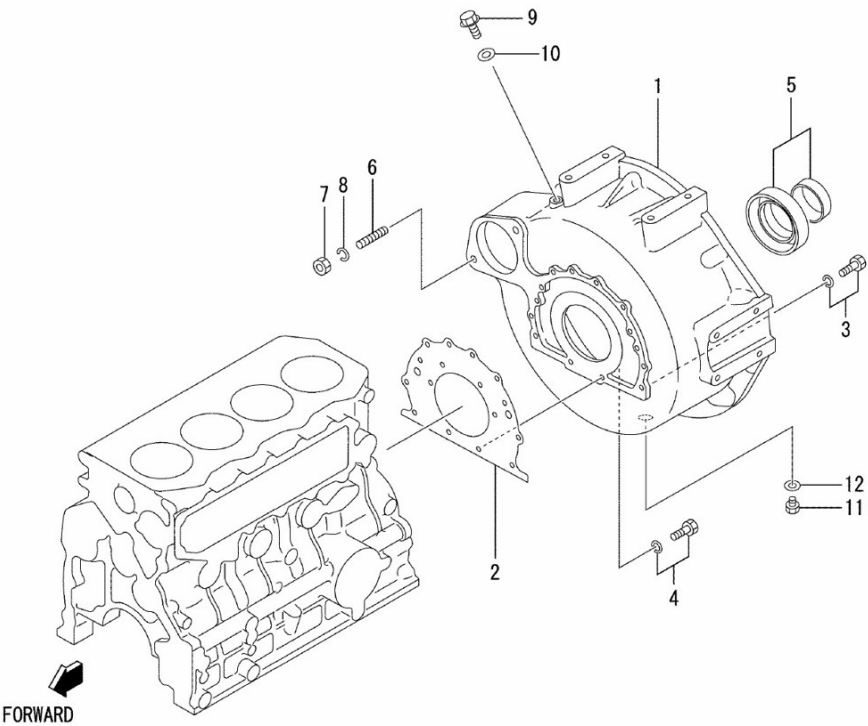


D_MI10_1_6						Cranckcase
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
23	17420111	3	Plate,THRUST.C/S +0,30			



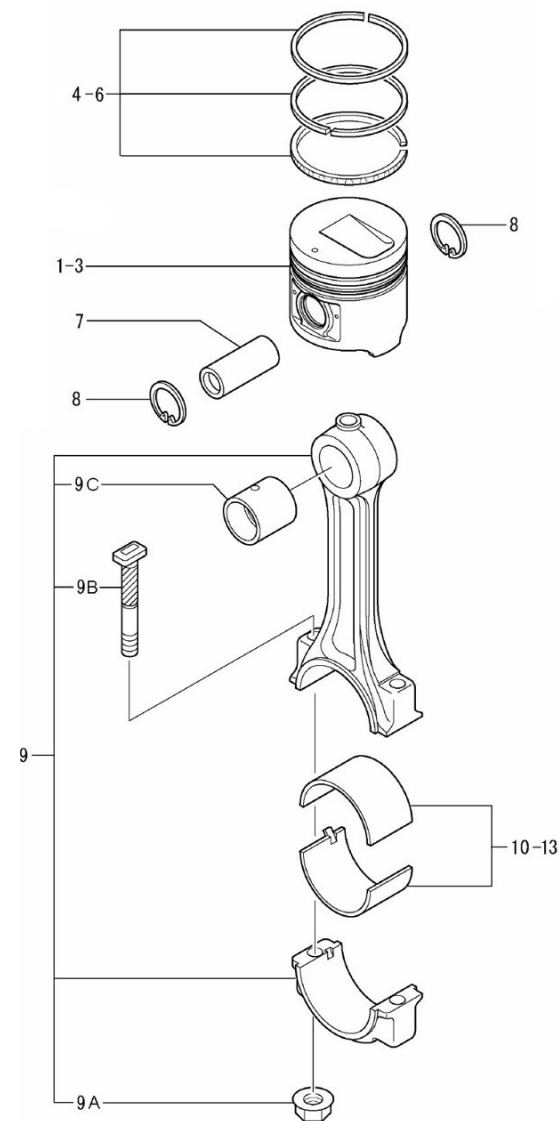
D_MI74_1_7		Flywheel Housing				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo

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			



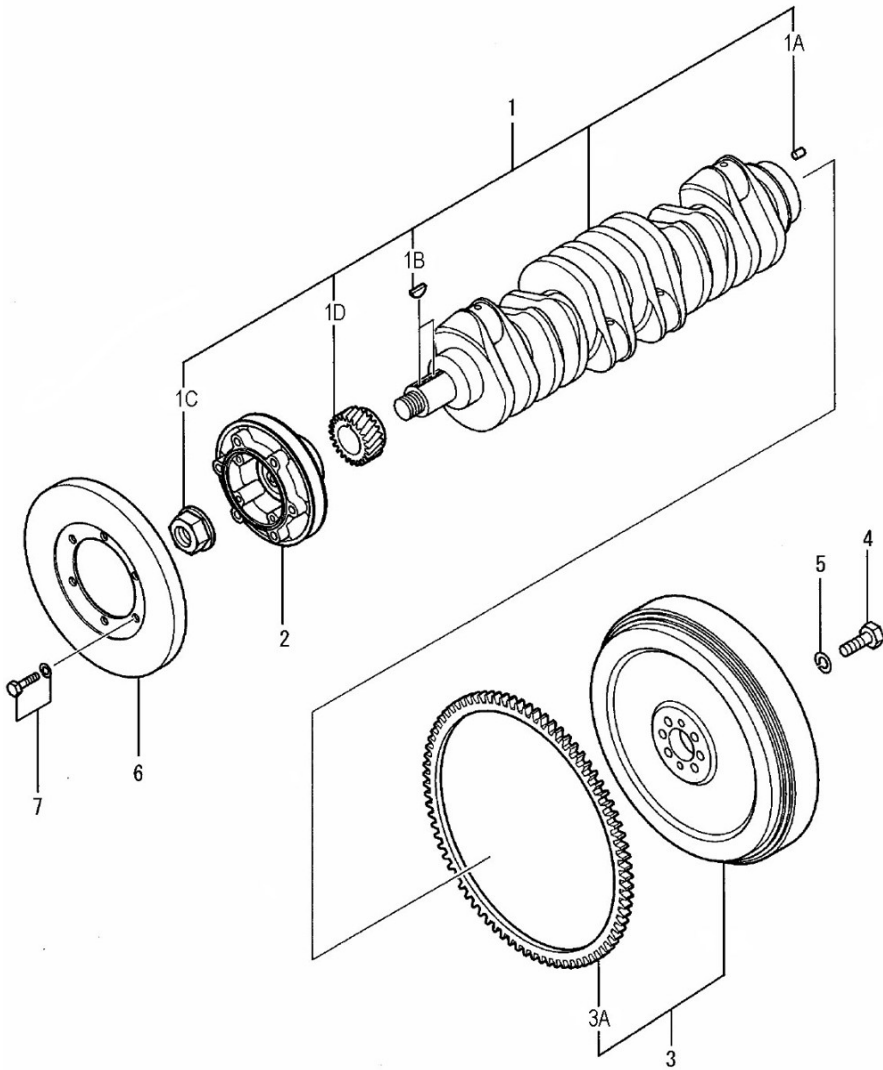
D_MI10_1_8 **Piston & Connectiong Rod**

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	17422001	6	Piston STD.			
2	17422002	6	Piston O.S 0,25			
3	17422003	6	Piston O.S 0,50			
4	17422006	6	Ring Set,Piston STD.			
5	17422007	6	Ring,Piston O.S 0,25			
6	17422008	6	Ring,Piston O.S 0,50			
7	17422009	6	Pin,Piston			
8	17422010	12	Ring,Snap			
9	17822012	6	Rod Assy. Connecting			
9A	17122011	12	Nut,connecting rod			
9B	17122013	12	Bolt,connecting rod			
9C	17422033	6	Bushing,Con-Rod			
10	17522014	1	METAL Set,CONROD STD			
11	17522015	1	METAL Set,CONROD -0,25			
12	17522016	1	METAL Set,CONROD -0,50			
13	17522017	1	METAL Set,CONROD -0,75			

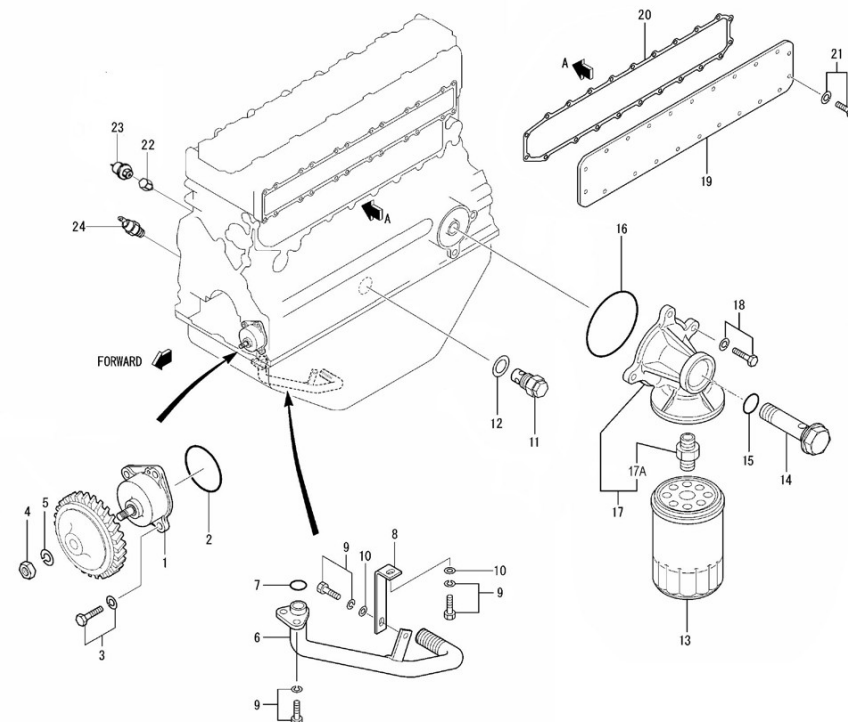


D_MI10_1_9 Crankshaft & Flywheel

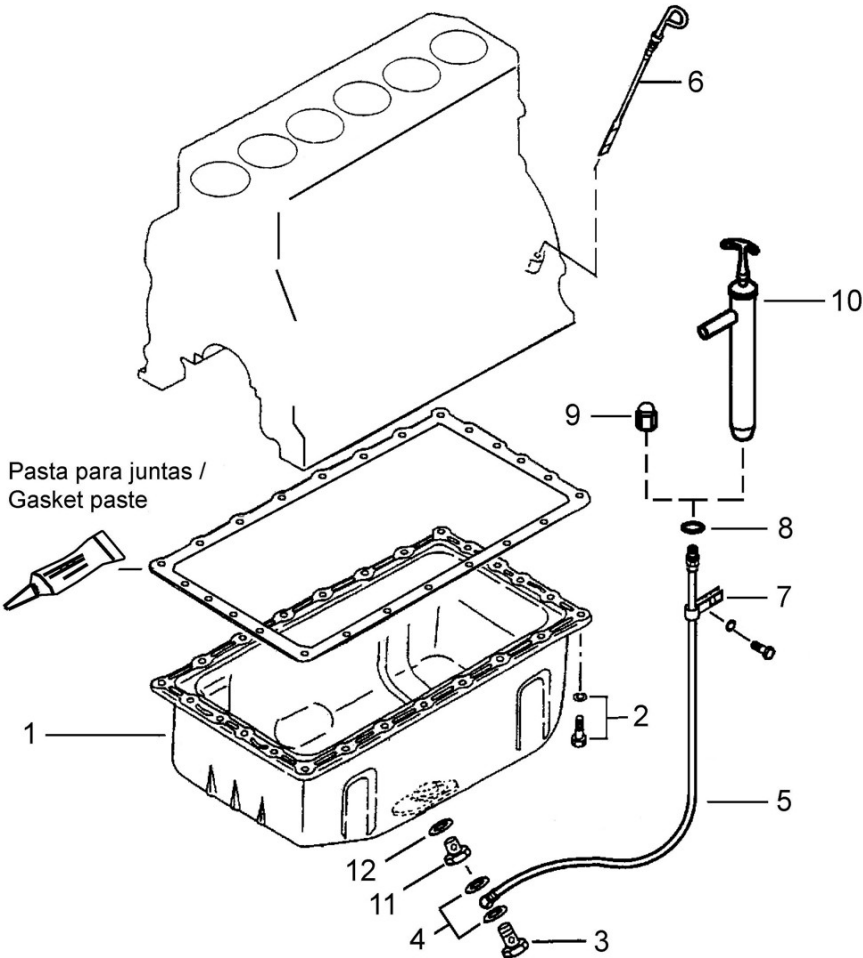
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	17522018	1	CrankShaft Assy			
1A	13322059	2	Pin			
1B	13322034	2	Key Woodruff			
1C	17422026	1	Nut,CrankShaft			
1D	17422019	1	Gear,CrankShaft			
2	17522024	1	Pulley CrankShaft			
3	17522027	1	Flywheel Assy			
3A	17422029	1	Gear,Ring Z=122			
4	13322065	6	Bolt			
5	53033012	6	Washer Grower DIN 127-12			
6	17522076	1	Damper,TORSIONAL			
7	17522077	6	Bolt,W/Washer			



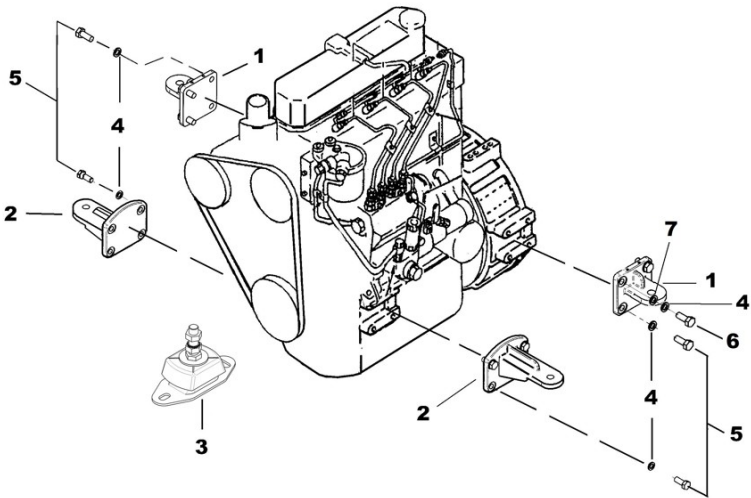
D_MI10_1_10		Oil Sysem			
Fig.	Ref.	Qty.	Descr.	Obs	From UpTo
1	17524040	1	Pump Assy,Oil		
2	17424055.1	1	O-Ring		
3	17121012	4	Bolt, w/washer		
4	13122045	1	Nut		
5	53033010	1	Washer GROWER DIN 127-10		
6	17524052	1	STrainer,Oil		
7	17424060	1	O-Ring D. 22X2,4		
8	17524053	1	STAY,Oil STrainer		
9	13820043	4	Bolt,W/Washer		
10	51030008	2	Washer DIN 125-8		
11	17124072	1	Valve, Assy		
12	17424063	1	Gasket		
13	17524051	1	Oil Filter Element SM-75/90/105		
14	17524055	1	Screw, Racord		
15	17524056	1	O-Ring D. 40X6		
16	17524059	1	O-Ring D. 95X3		
17	17524057	1	Bracket Assy		
17A	17524054	1	Union		
18	17122051	1	Bolt, w/washer		
19	17524065	1	Cover,CRANKCase		
20	17524062	1	Gasket,Side Cover		
21	17422037G.1	23	Bolt W/Washer (Generator)		
22	17117052	1	Oil Pressure Sensor Adaptor		
23	60900985	1	Pressure Sensor		
24	13320044	1	Switch Oil Pressure		



D_MI10_1_11 Oil Pan					
Fig.	Ref.	Qty.	Descr.	Obs	From UpTo
1	17520030	1	Pan Assy,Oil		
2	13820043	31	Bolt,W/Washer		
3	12814051	1	Screw,eye		
4	56000069	2	Washer 14-20-1,5		
5	18014021	1	Extraction Hose		
6	17520029	1	Gauge Oil Level		
7	17214022	1	Bracket, Pipe		
8	56000217	1	Washer 13-20-3		
9	16514020	1	Plug		
10	14714001	1	Oil Extraction Pump		
11	17514001	1	Plug		
12	56000083	1	Washer 21-26-1,5		

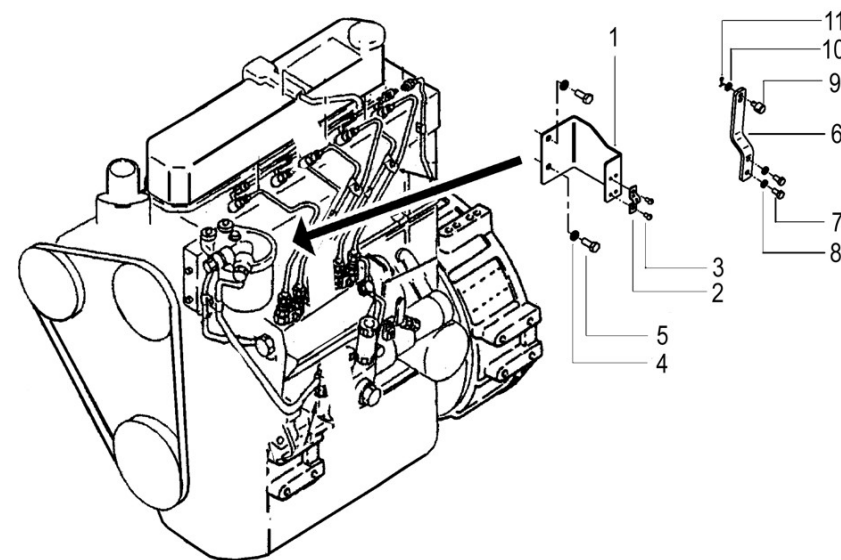


D_MI10_1_12		Engine Brackets				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	17410002	2	Rear Bracket			
2	17410001	2	Front Bracket			
3	61665000.1	4	Engine Mount Type D 65 SHA M16 H 130			
4	53033012	16	Washer Grower DIN 127-12			
5	52102359	15	Bolt DIN 933 M12-30 8.8			
6	52102360	1	Bolt DIN 933 M12-35 8.8			
7	51030012	1	Washer DIN 125-12			

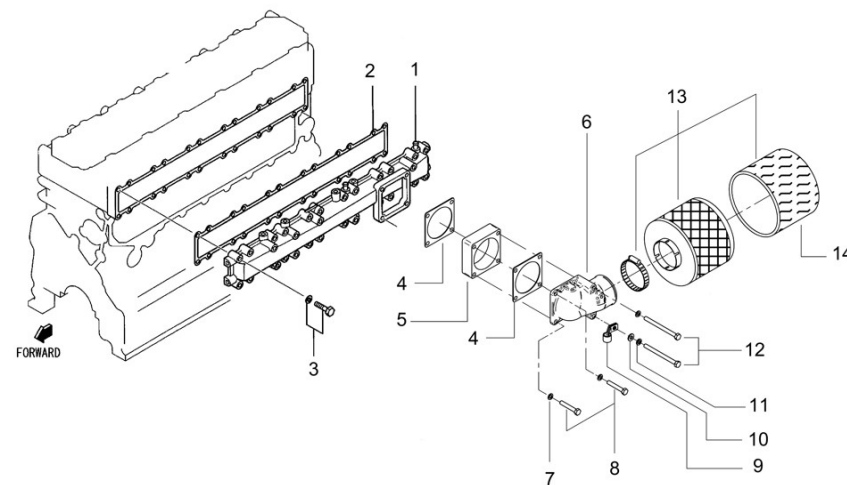


D_MI10_1_13 **Bracket, Engine Control**

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	17519001	1	Bracket,Engine Control			
2	14719013	1	Clamp,cable			
3	55307104	2	Bolt DIN 86 W3/16-10			
4	52102257	2	Bolt DIN 933 M8-20 8.8			
5	53033008	2	Washer GROWER DIN 127-8			
6	17519010	1	Suplement,Lever			
7	52102156	2	Bolt DIN 933 M6-16 8.8			
8	53033006	2	Washer GROWER DIN 127-6			
9	14719115	1	Coupling,cable			
10	51030006	1	Washer DIN 125-6			
11	51051107	1	Pin DIN-94 1,6-16			



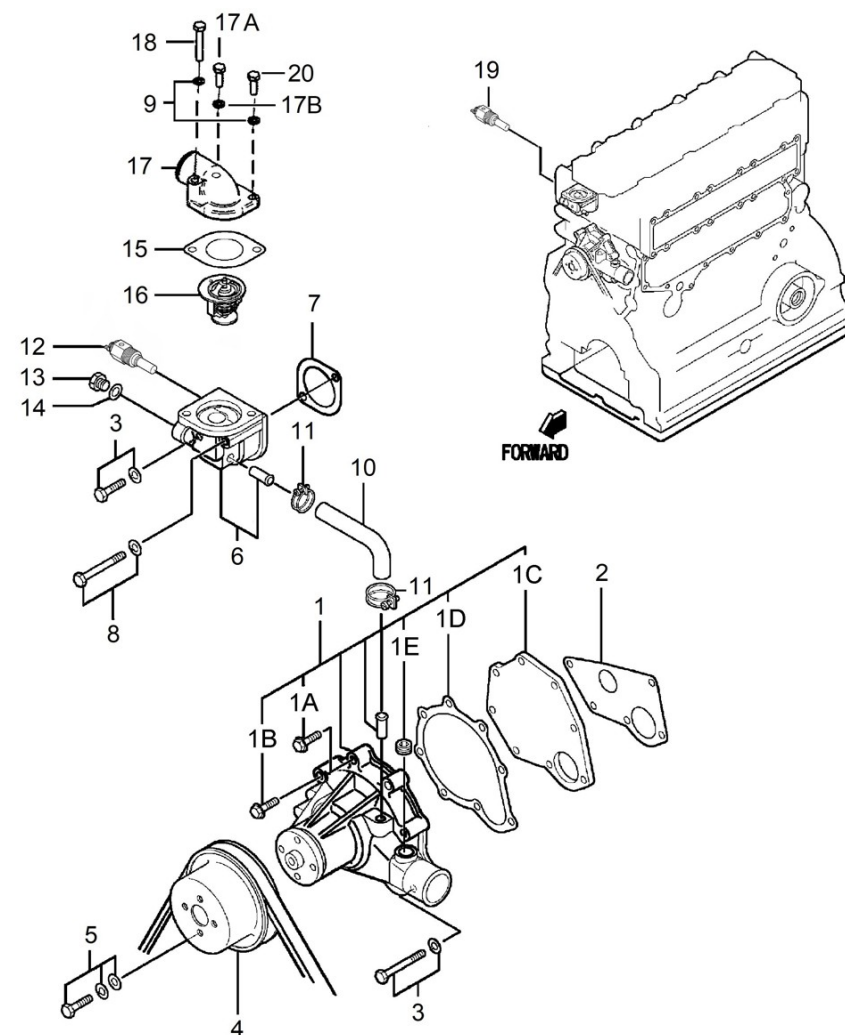
D_MI10_2_1		Inlet			
Fig.	Ref.	Qty.	Descr.	Obs	From UpTo
1	17521030	1	MANIFOLD Assy,Inlet		
2	17521032	1	Gasket,IN.MANIFOLD		
3	17121014	24	Bolt, w/washer		
4	17421042	2	Gasket		
5	17510015	1	Elbow Spacer		
6	17521029	1	Elbow,Air Inlet		
7	53038008	3	Washer DIN 6798-A 8		
8	52101263	2	Bolt DIN 931 M8-50 8.8		
9	17514010	1	Bracket Clamp		
10	51030008	1	Washer DIN 125-8		
11	53033008	1	Washer GROWER DIN 127-8		
12	52101272	2	Bolt DIN 931 M8-95 8.8		
13	17410034	1	Air Filter		
14	17410031	1	Filter Element (Air Filter)		



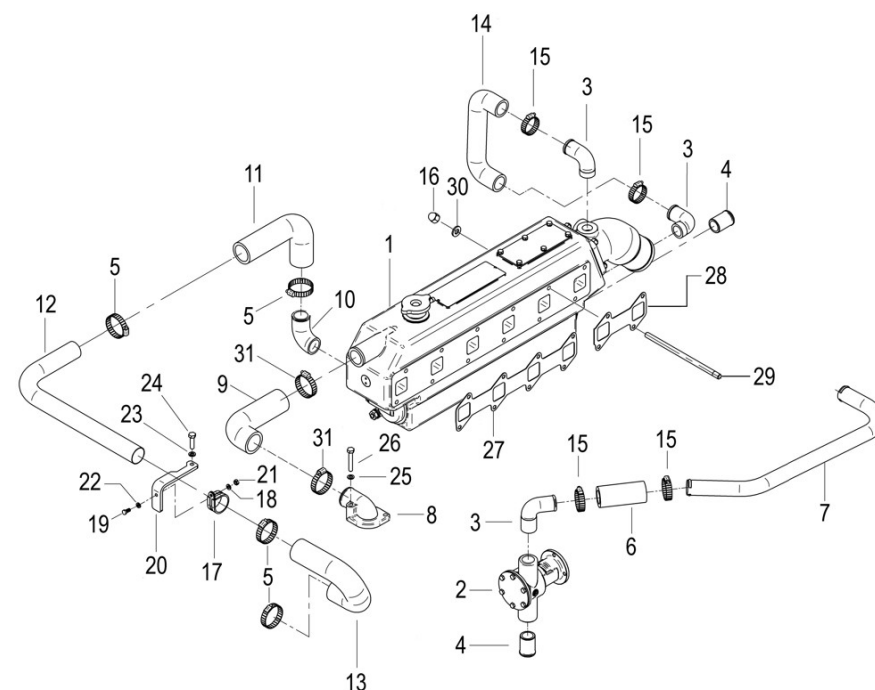
D_MI74_3_1

Water Pump

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	17421020	1	Fresh Water Pump (tube Ø10)			
1A	17421060	2	Bolt,Flange			
1B	17421026G	1	Bolt,Flange			
1C	17421043	1	Cover,Water Pump			
1D	17421022	1	Gasket,Pump Cover			
1E	17421046	1	Plug,TAPERED			
2	17421041	1	Gasket,Side Cover			
3	17121039	6	Bolt,w/washer			
4	17121021	1	Pulley,Water Pump			
5	17121056	4	Bolt,w/washer			
6	17421037	1	Case Assy,Thermostat			
7	13321014	1	Gasket			
8A	52101268	1	Bolt DIN 931 M8-75 8.8			
8B	53033008	1	Washer GROWER DIN 127-8			
9	53038008	2	Washer DIN 6798-A 8			
10	17421025	1	Hose,BY-PASS			
11	17121036	2	Clamp, hose			
12	60900980	1	Temperature Sensor			
13	17121016	1	Plug, drain			
14	17121013	1	Gasket			
15	17111021	1	Gasket			
16	17121027	1	Thermostat			
17	17111020	1	Fitting,water outlet			
17A	13811035	1	Bolt,bleed			
17B	56000053	1	Washer 6-10-1,5			
18	52101263	1	Bolt DIN 931 M8-50 8.8			
19	17427080	1	Switch,Thermo		17/10/2017	
20	52102259	1	Bolt DIN 933 M8-30 8.8			

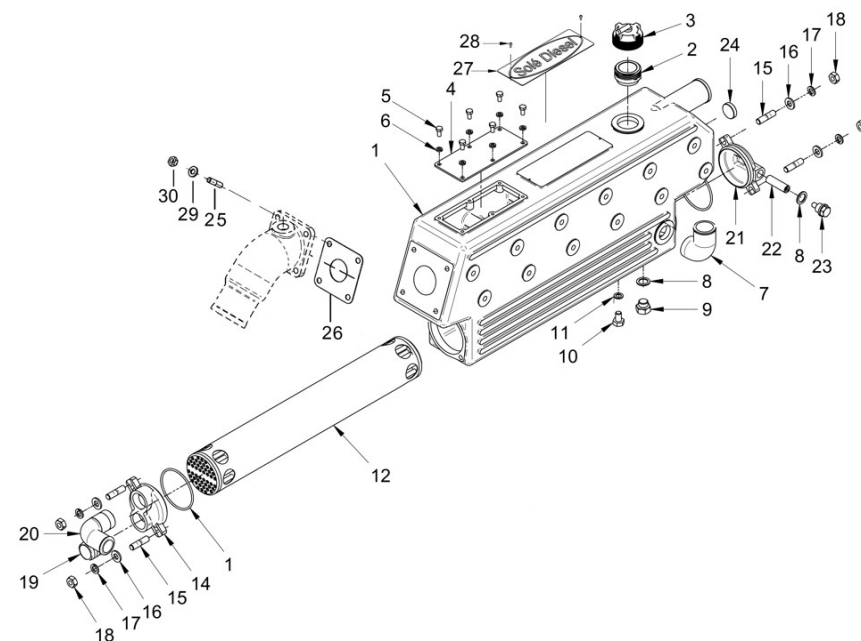


D_MI10_3_2		Cooler Pipes			
Fig.	Ref.	Qty.	Descr.	Obs	From UpTo
1	17511000REC	1	Water Cooler Assy SM-105		
2	36511000	1	Cross Brace Pump from 74 to 616		
3	14711021	2	Elbow N°1		
4	14711029	2	Pipe		
5	54082032	4	Clamp DIN 3017 32-50/12 W4		
6	13211036	1	Pipe 30-40-100		
7	17511011	1	Pipe		
8	17111020	1	Fitting,water outlet		
9	17411013	1	Thermostat Water Outlet Elbow		
10	17111011	1	Elbow 1 1/8"		
11	17511013	1	Elbow		
12	17011022	1	Pipe,from cooler to engine		
13	16711016	1	Rubber Elbow		
14	17411034	1	Hose		
15	54082025	4	Clamp DIN 3017 25-40/12 W4		
16	55122008	12	Nut DIN 1587 M8		
17	59071383	1	Clamp TYP.1 38/15 W1		
18	51030006	1	Washer DIN 125-6		
19	52102157	1	Bolt DIN 933 M6-20 8.8		
20	17511014	1	Bracket		
21	52120006	1	Nut DIN 934 M6 8.8		
22	53033006	1	Washer GROWER DIN 127-6		
23	53033008	1	Washer GROWER DIN 127-8		
24	52102259	1	Bolt DIN 933 M8-30 8.8		
25	53038008	1	Washer DIN 6798-A 8		
26	52101263	1	Bolt DIN 931 M8-50 8.8		
27	17421035	1	Gasket,Exhaust Manifold		
28	17521035	1	Gasket		
29	17411015	12	Stud		
30	56000057	12	Washer 8-13-1,5		
31	54082040	2	Clamp DIN 3017 40-60/12 W4		



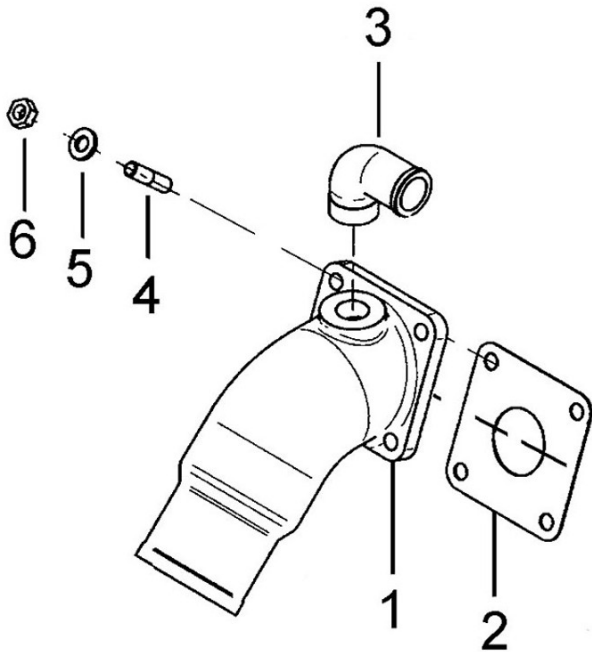
D_17511000REC Water Cooler Assy SM-103/105L

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	17511001	1	Body, Water Cooler			
2	17411004	1	Adapter, MTA Cap			
3	13811010	1	Cap			
4	18211002	1	Cover			
5	52102155	6	Bolt DIN 933 M6-12 8.8			
6	53033006	6	Washer GROWER DIN 127-6			
7	17111011	1	Elbow 1 1/8"			
8	56000073	2	Copper Washer 16-23-1,5			
9	12111076	1	Plug			
10	54102306	1	Bolt DIN 933 M10-16 INOX.			
11	56000061	1	Washer 10-16-1,5			
12	19011004	1	Tubular Bundle			
13	18011008	2	O-Ring D. 72X3			
14	17411003	1	Water Cooler Cover			
15	16511007	4	Stud			
16	51030010	4	Washer DIN 125-10			
17	53033010	4	Washer GROWER DIN 127-10			
18	54120010	4	Nut DIN 934 M10			
19	60180007	1	Outlet Coupling			
20	14711022	1	Elbow N°2			
21	18011002	1	Water Cooler Cover			
22	18011031	1	Engine Anode 45 mm M.8			
23	18011009	1	Anode Plug			
24	12113092	1	Plug			
25	19613016	4	Turbo Stud M8-M10			
26	16513002	1	Exhaust Elbow Gasket			
27	17111060	1	Plate "SOLE Diesel"			
28	17111062	2	Bolt			
29	53033008	4	Washer GROWER DIN 127-8			
30	54120008	4	Nut DIN 934 M8			



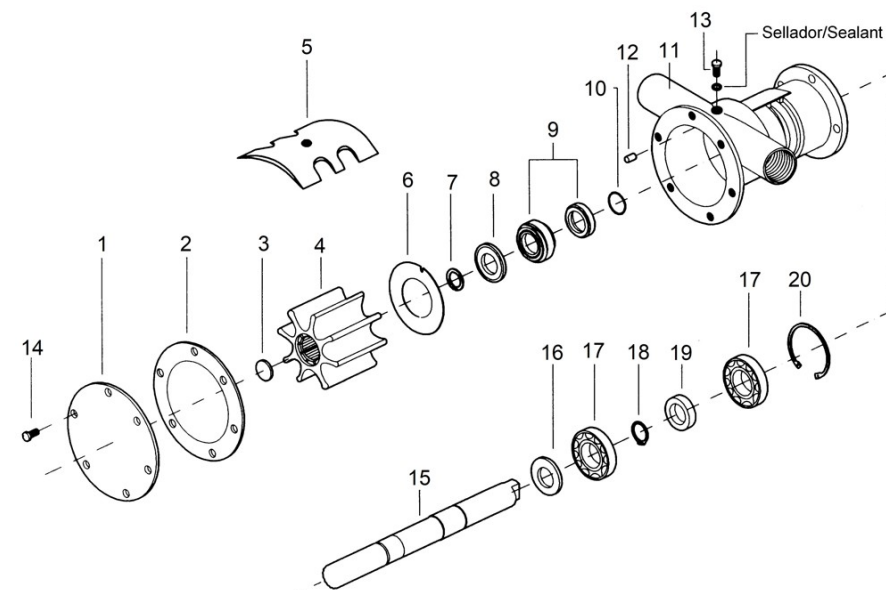
D_MI74_3_3 Wet Exhaust

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

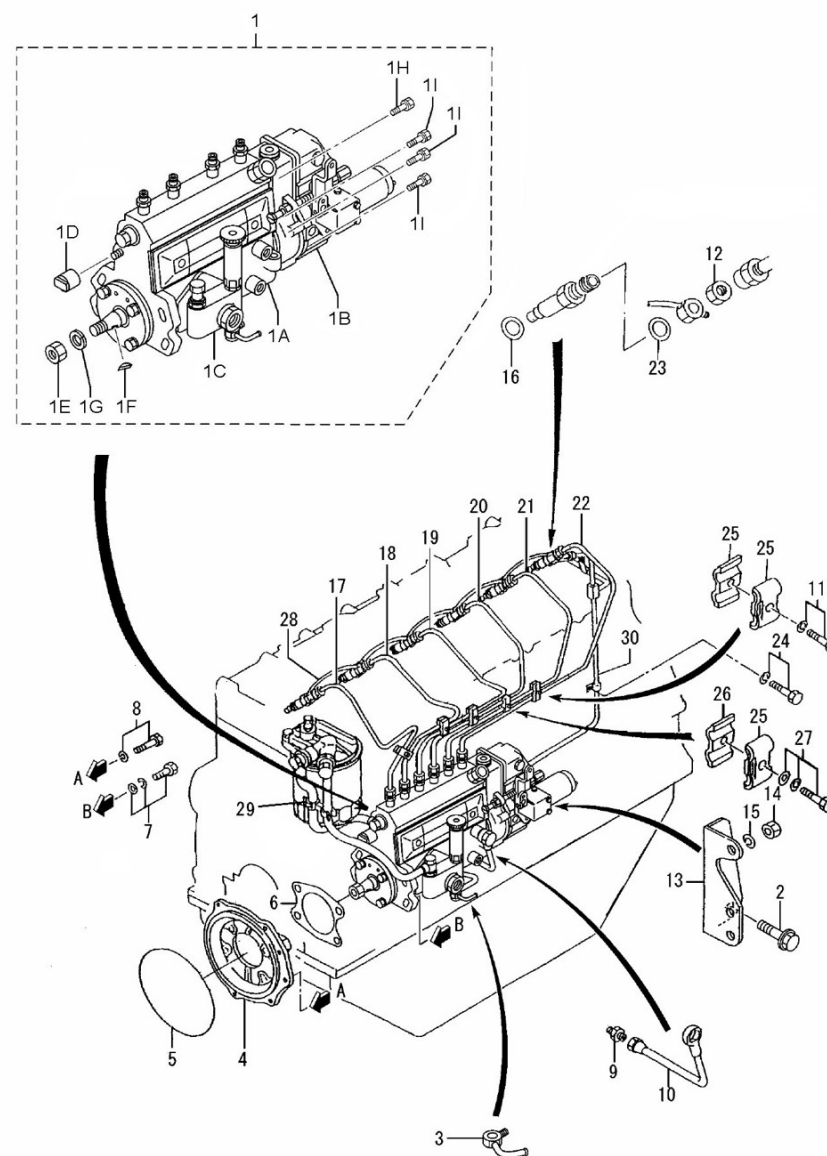


36511000 Cross Brace Pump from 74 to 616

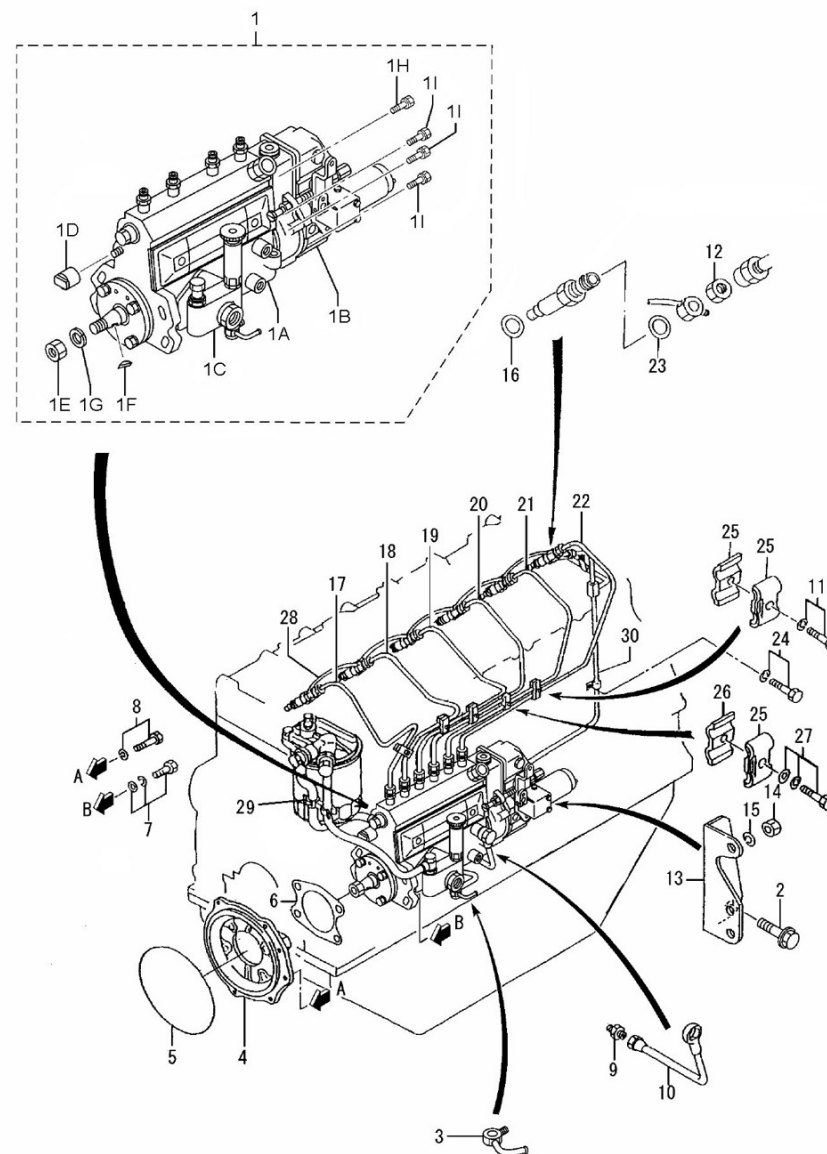
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	34711002	1	Cover Pump			
2	34711003	1	Gasket Cover			
3	34711041	1	Impeller Plug			
4	34711008	1	1" Impeller			
5	34711005	1	Cam			
6	34711026	1	Plate,Friction			
7	54040016	1	CIRClip E-16			
8	36511018	1	Washer,seal			
9	36511019	1	Seal			
10	33311013	1	O-Ring D. 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			



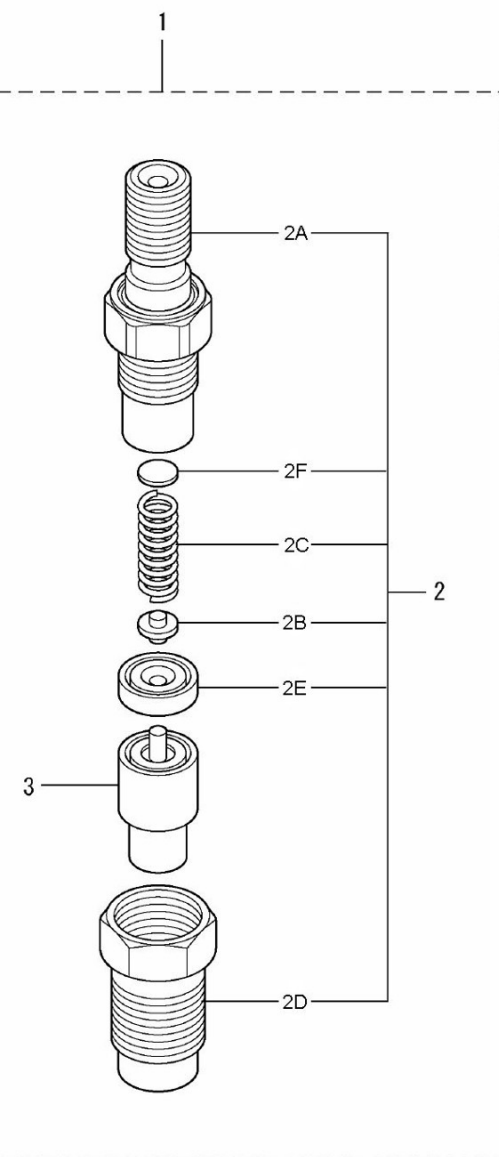
D_MI10_4_1		Fuel Pipe			
Fig.	Ref.	Qty.	Descr.	Obs	From UpTo
1	17525001	1	Pump Assy,Fuel Injection		
1A	(*)	1	Not available		
1C	13325100	1	Pump Feed		
1D	13325203	1	SLEEVE LIMIT		
1E	13325274	1	Nut		
1F	13325268	1	KEY WOODRUFF		
1G	13325273	1	Washer		
1H	17425003	1	Bolt,W/Washer		
1I	17425004	6	Bolt,W/Washer		
2	17425036	1	Bolt,Flange		
2A	(*1)	1	Not available		
3	17424027	1	JOINT,EYE		
4	17425005	1	Flange,INJ.Pump		
5	17420047	1	O-Ring D. 140X2		
6	17425028	1	Gasket		
7	17425029	4	Bolt,W/Washer		
8	17121012	1	Bolt, w/washer		
9	17424032	1	Connector		
10	17524033	1	Pipe,Oil		
11	52102157	1	Bolt DIN 933 M6-20 8.8		
12	13824024	6	Nut		
13	17524034	1	Bracket,INJ Pump		
14	17120049	1	Nut M8		
15	13321016	1	Washer Spring		
16	13824013	6	Injector Washer		
17	17524015	1	Pipe Injection N.1		
18	17524016	1	Pipe Injection N.2		
19	17524019	1	Pipe Injection N.3		
20	17524022	1	Pipe Injection N.4		
21	17524023	1	Pipe Injection N.5		
22	17524024	1	Pipe Injection N.6		



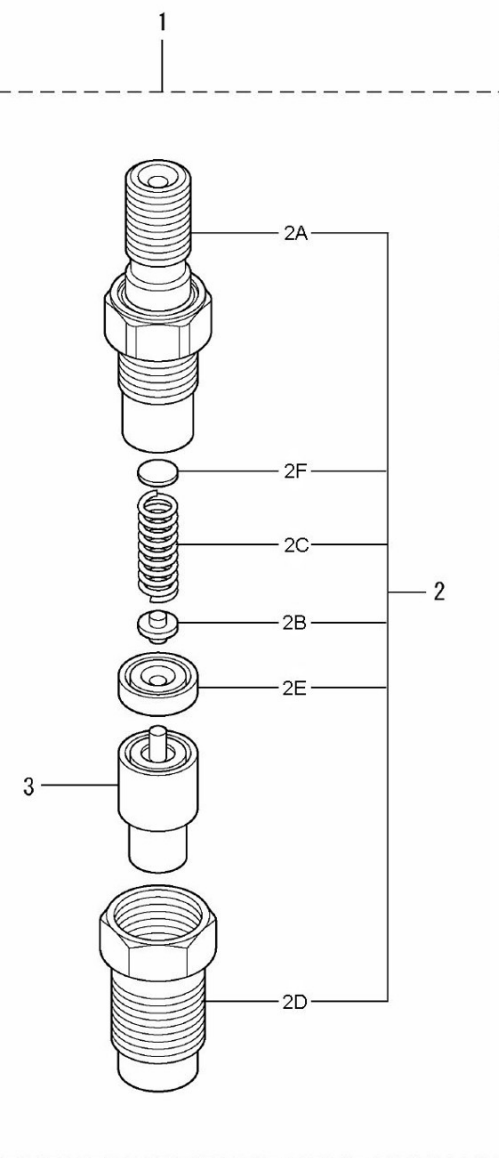
D_MI10_4_1		Fuel Pipe				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
23	17424025G.1	6	Gasket Fuel Return (Genset)			
24	17424025	2	Bolt,W/Washer			
25	13124018	6	Clamp (A)			
26	13124017	4	Clamp (B)			
27	17524025	4	Bolt,W/Washer			
28	17524004	1	Assy,Fuel Return			
29	17424026	1	Clamp,Pipe			
30	17524005	1	Pipe,Fuel			



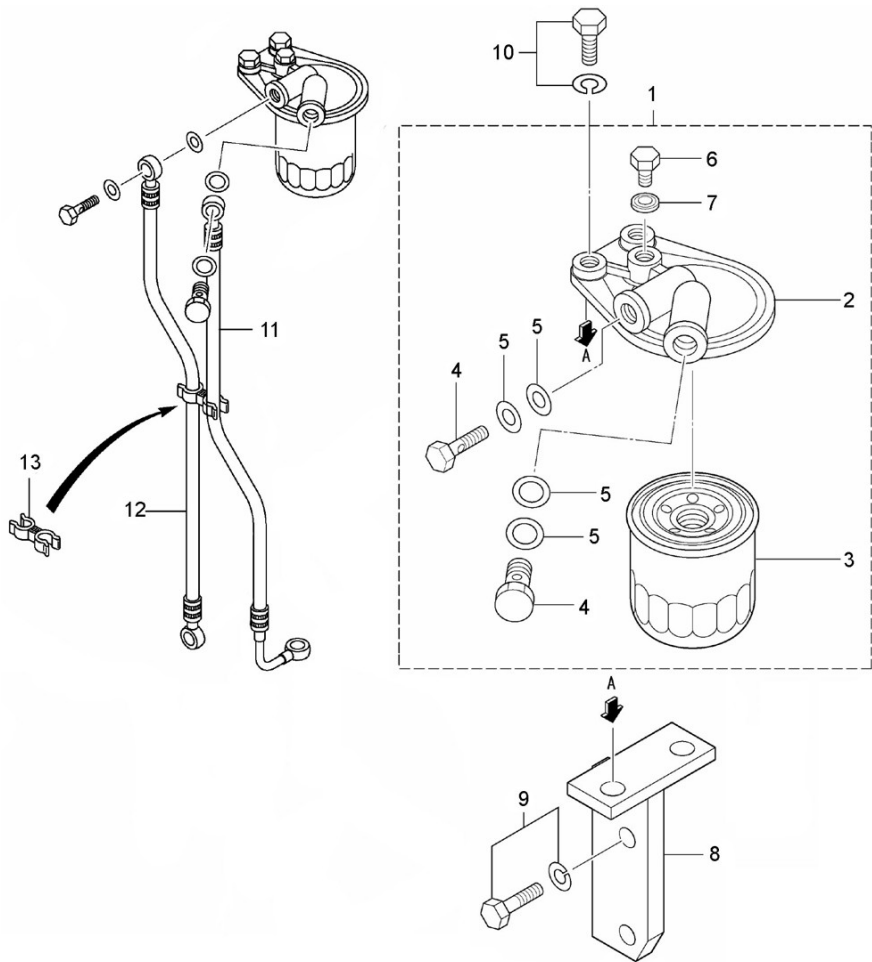
D_MI10_4_2		Injection Nozzle				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	17126001	6	Nozzle, Assy			
2	17126003	6	Holder			
2A	17126002	6	Body, Assy			
2B	13826003	6	Pin Pressure			
2C	17126004	6	Spring, pressure			
2D	17126006	6	Nut, retaining			
2E	13826007	6	PIECE DISTANCE			
2FAA	17126020	0	Washer 0.900	#		
2FAB	17126021	0	Washer 0.925	#		
2FAC	17126022	0	Washer 0.950	#		
2FAD	17126023	0	Washer 0.975	#		
2FAE	17126024	0	Washer 1.000	#		
2FAF	17126025	0	Washer 1.025	#		
2FAG	17126026	0	Washer 1.050	#		
2FAH	17126027	0	Washer 1.075	#		
2FAI	17126028	0	Washer 1.100	#		
2FAJ	17126029	0	Washer 1.125	#		
2FAK	17126030	0	Washer 1.150	#		
2FAL	17126031	0	Washer 1.175	#		
2FAM	17126032	0	Washer 1.200	#		
2FAN	17126033	0	Washer 1.225	#		
2FAO	13826010	0	Washer 1,25	#		
2FAP	17126035	0	Washer 1.275	#		
2FAQ	13826011	0	Washer 1,30	#		
2FAR	17126037	0	Washer 1.325	#		
2FAS	13826012	0	Washer 1,35	#		
2FAT	17126039	0	Washer 1.375	#		
2FAU	13826013	0	Washer 1,40	#		
2FAV	17126041	0	Washer 1.425	#		
2FAW	13826014	0	Washer 1,45	#		
2FAX	17126043	0	Washer 1.475	#		



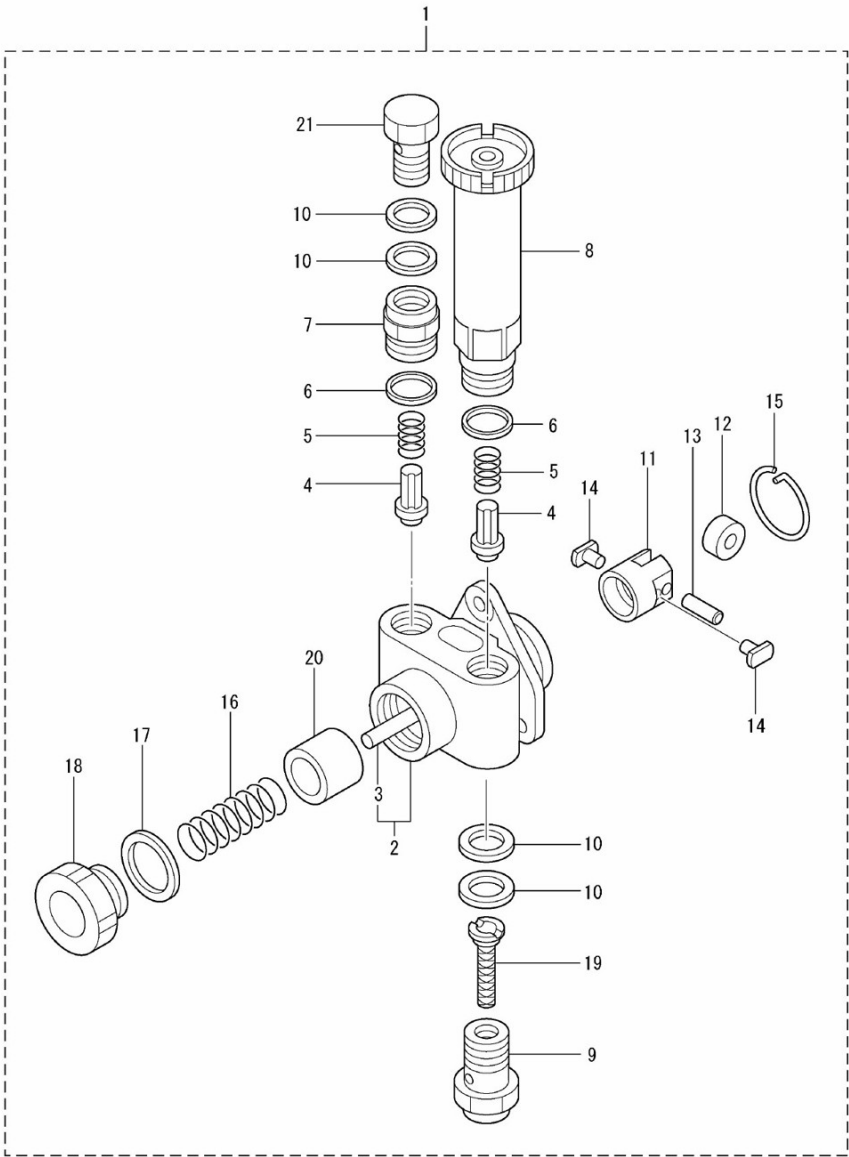
D_MI10_4_2		Injection Nozzle			
Fig.	Ref.	Qty.	Descr.	Obs	From UpTo
	2FAY 13826015	0	Washer 1,50	#	
	2FAZ 17126045	0	Washer 1.525	#	
	2FBA 13826016	0	Washer 1,55	#	
	2FBB 17126047	0	Washer 1.575	#	
	2FBC 13826017	0	Washer 1,60	#	
	2FBD 17126049	0	Washer 1.625	#	
	2FBE 13826019	0	Washer 1,65	#	
	2FBF 17126051	0	Washer 1.675	#	
	2FBG 13826020	0	Washer 1,70	#	
	2FBH 17126053	0	Washer 1.725	#	
	2FBI 17126054	0	Washer 1.750	#	
	2FBJ 17126055	0	Washer 1.775	#	
	2FBK 17126056	0	Washer 1.800	#	
	2FBL 17126057	0	Washer 1.825	#	
	2FBM 17126058	0	Washer 1.850	#	
	2FBN 17126059	0	Washer 1.875	#	
	2FBO 17126060	0	Washer 1.900	#	
	2FBP 17126061	0	Washer 1.925	#	
	2FBQ 17126062	0	Washer 1.950	#	
3	13326130	6	TIP Assy Nozzle		



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			

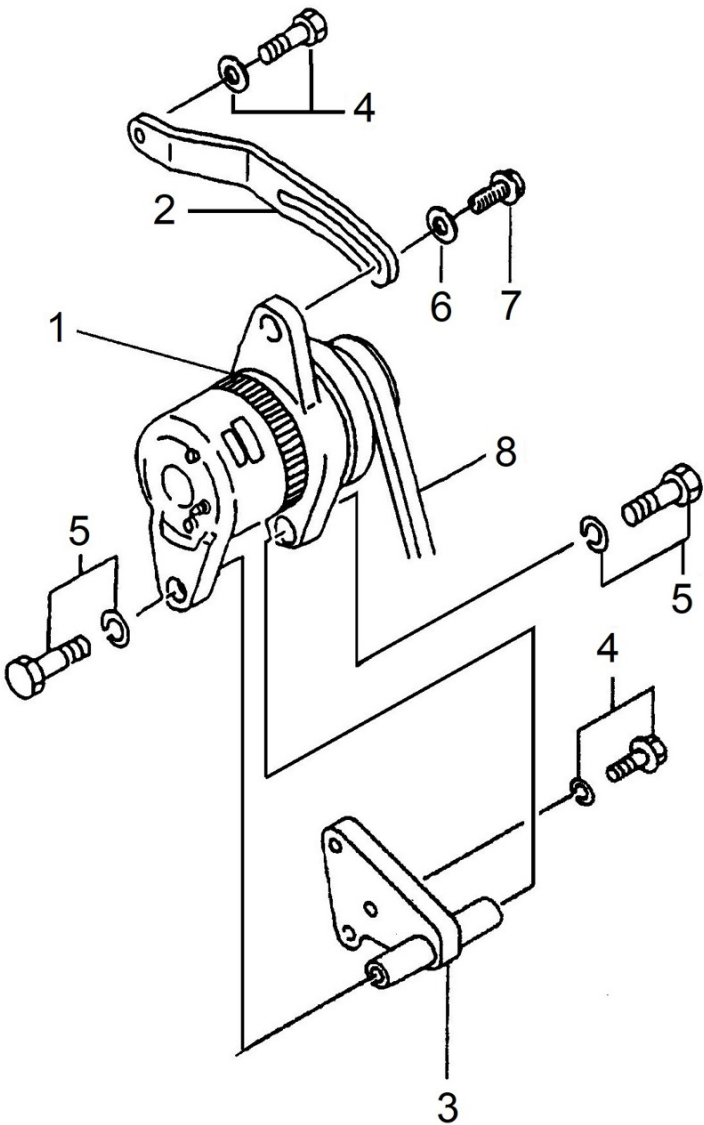


D_MI74_4_6						Feed Pump	
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo	
1	13325100	1	Pump Feed				
2	13325107	1	Housing Feed Pump				
3	13325120	1	ROD,PUSH				
4	13325106	2	Valve				
5	13325105	2	Spring				
6	13325104	2	Washer				
7	13325103	1	Support				
8	17425102	1	Pump S/Assy,PRIMING				
9	13325112	1	Screw, 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				



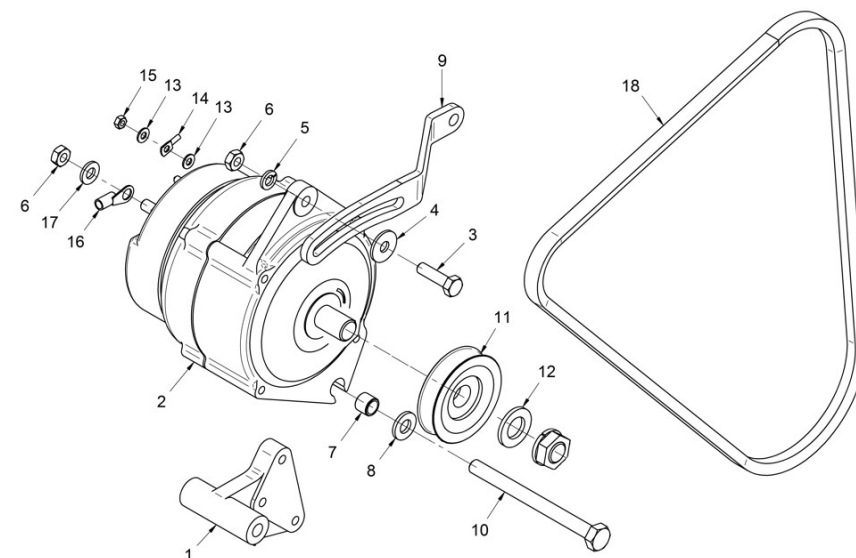
D_MI10_5_1 Alternator 14V/110A

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	17521028	1	Belt Type AX 45 1175			



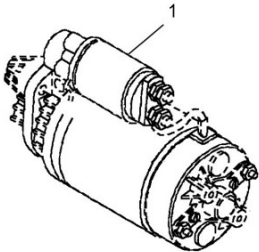
D_MI10_5_1.1 Alternator ISKRA 14V/95A

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		09/09/2015	
8	53038010	1	Washer DIN 6798-A 10			
9	17427007	1	Plate, Adjusting			
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			
14	TFM.6.3.T.5.I	1	Straight Receptacle 6.3 Faston			
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			
18	17521028	1	Belt Type AX 45 1175			



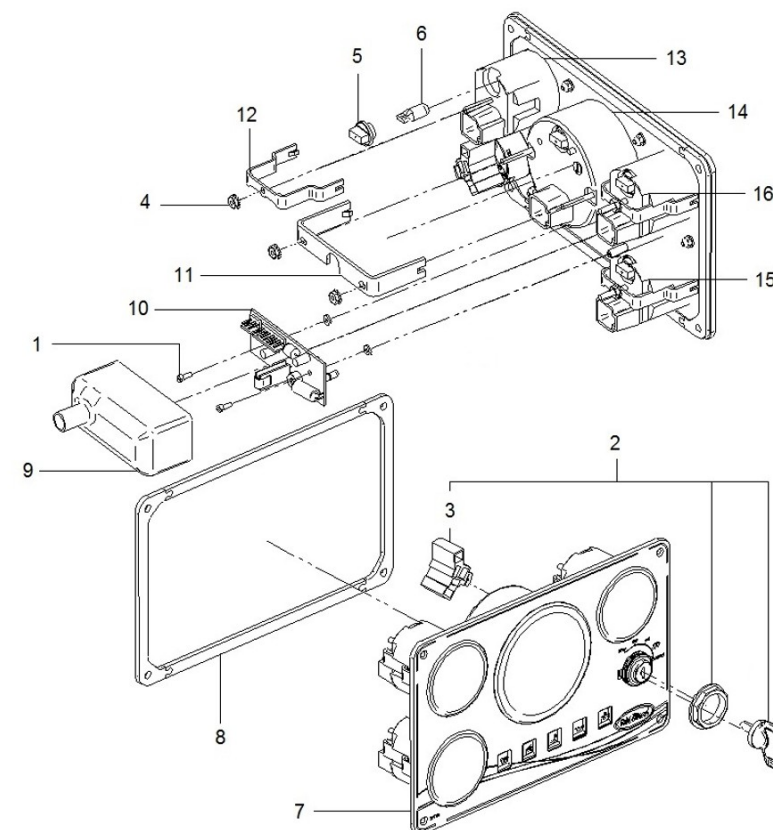


D_MI10_5_3 Starter					
Fig.	Ref.	Qty.	Descr.	Obs	From UpTo
1	17527001	1	Starter Assy 12 V		



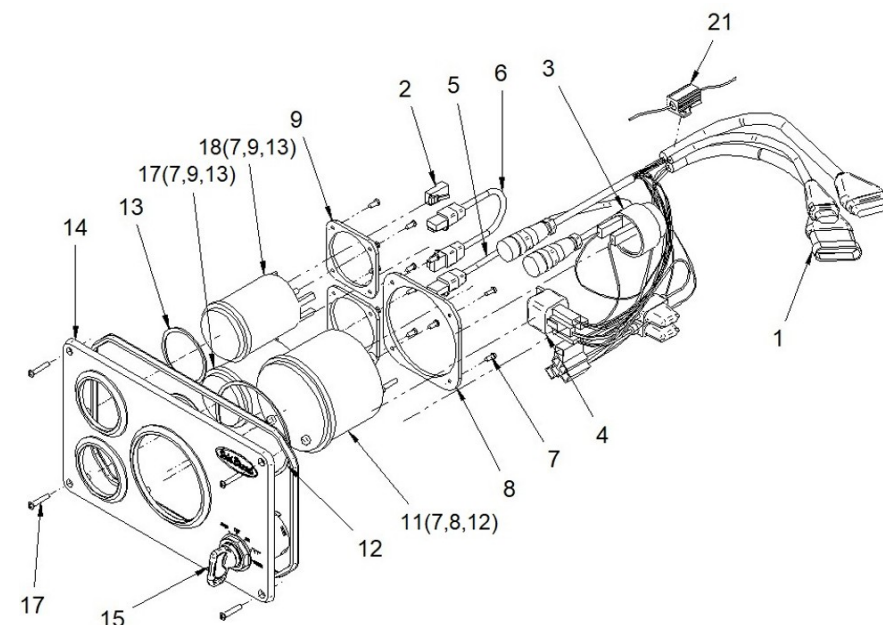
D_60974130 SVT 30 MINI-74/SM-103/105L Panel

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	



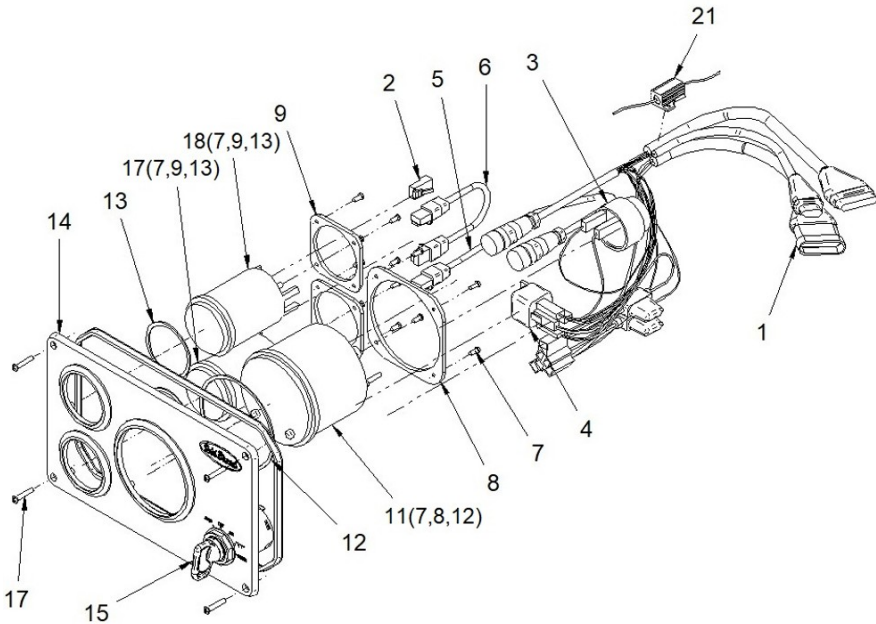
D_1633 Panel SSG 30 Spare Parts

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			



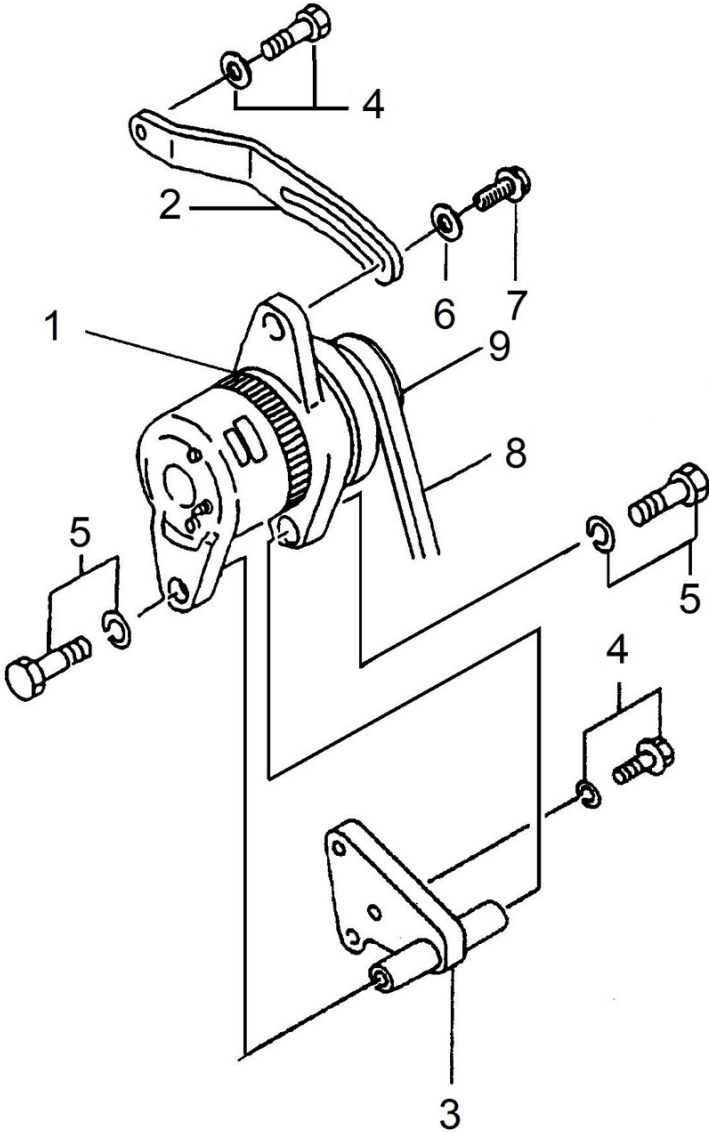


D_ALARPRO_1		Engine Extension				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1A	60938210.1	1	Engine Wiring Ext. 3 M. SUPERSEAL			
1B	60985210.1	1	Engine Wiring Ext. 4 M. SUPERSEAL			
1C	60938211	1	Engine Wiring Ext. 8 M. SUPERSEAL			
1D	60985210.12.1	1	Engine Wiring Ext. 12 M. SUPERSEAL			
1E	60985210.15.1	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			



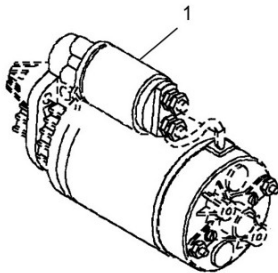
D_MI74_6_1 Alternator 28V/55A

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

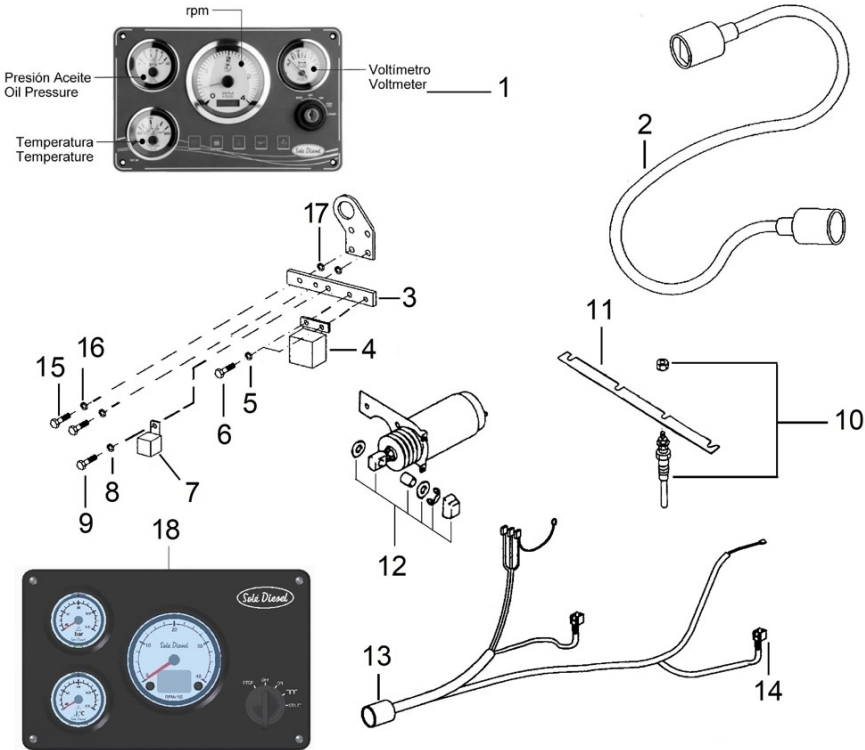




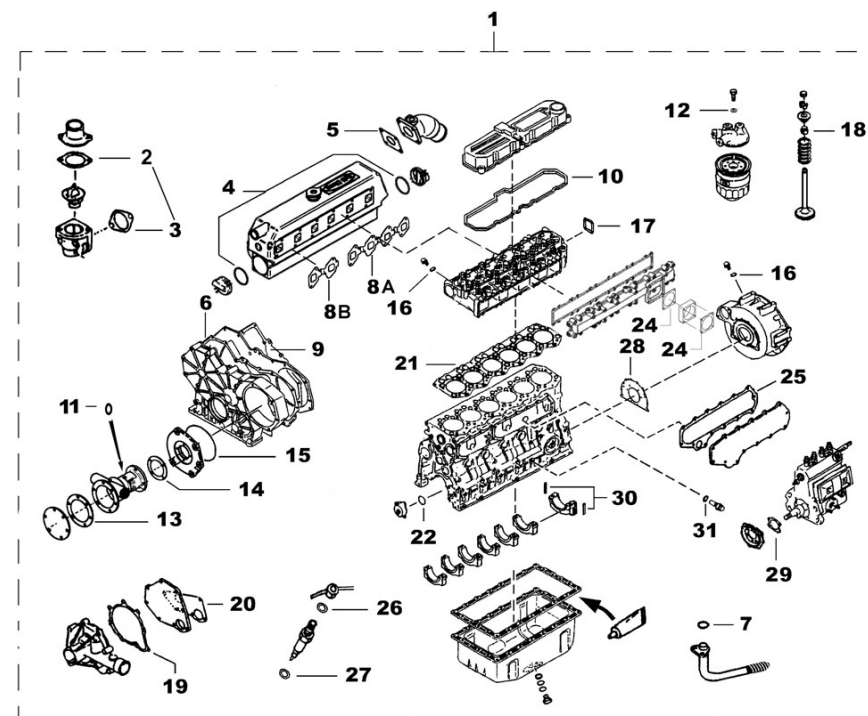
D_MI10_6_3 Starter 24V					
Fig.	Ref.	Qty.	Descr.	Obs	From UpTo
1	17527001.2	1	Starter Assy 24V		



D_MI10_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	52102156	1	Bolt DIN 933 M6-16 8.8		
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	6	Glow Plug 24V		
11	17427018	1	Plate Glow Plug		
12	17525264.2	1	Stop Solenoid 24V		
13	60975204R	1	Wiring Electrical SM-105 SVT Spare part		
14	60900136	1	Fuse 15A	02/11/2016	
14	60900179	1	Fuse 10A		02/11/2016
15	52102258	2	Bolt DIN 933 M8-25 8.8		
16	53033008	2	Washer GROWER DIN 127-8		
17	51030008	2	Washer DIN 125-8		
18A	63974321NS	1	Panel SSG 30 MINI-74/SM-105/103 ETS 24V Black	04/03/2024	
18B	63974321BS	1	Panel SSG 30 MINI-74/SM-105/103 ETS 24V White	04/03/2024	

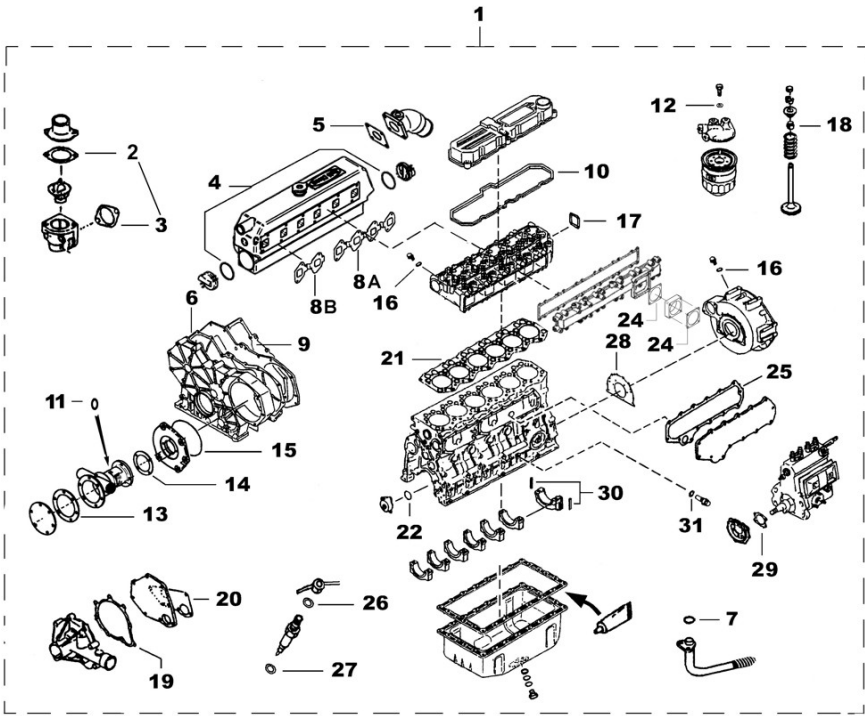


D_17520101		Gasket Kit			
Fig.	Ref.	Qty.	Descr.	Obs	From UpTo
1	17520101	1	Gasket Kit		
2	17111021	2	Gasket		
3	13321014	1	Gasket		
4	18011008	2	O-Ring D. 72X3		
5	16513002	1	Exhaust Elbow Gasket		
6	17420040	1	Gasket,Gear		
7	17424060	1	O-Ring D. 22X2,4		
8A	17421035	1	Gasket,Exhaust Manifold		
8B	17521035	1	Gasket		
9	17420018	1	Gasket,Front Plate		
10	17521010	1	Gasket,Rocker Cover		
11	33311013	1	O-Ring D. 15X2		
12	13324011	1	Washer		
13	34711003	1	Gasket Cover		
14	13310013	1	Gasket,water pump		
15	17420047	2	O-Ring D. 140X2		
16	17121013	2	Gasket		
17	17421011	1	Gasket		
18	17422054	12	Seal,Valve Stem		
19	17421022	1	Gasket,Pump Cover		
20	17421041	1	Gasket,Side Cover		
21	17521004	1	Cylinder Head Gasket		
22	17424055.1	1	O-Ring		
23	17521032	1	Gasket,IN.MANIFOLD		
24	17421042	2	Gasket		
25	17524062	1	Gasket,Side Cover		
26	17424025G.1	6	Gasket Fuel Return (Genset)		
27	13824013	6	Injector Washer		
28	17420025	1	Gasket,Rear		
29	17425028	1	Gasket		
30	17420112	2	Seal,Valve		

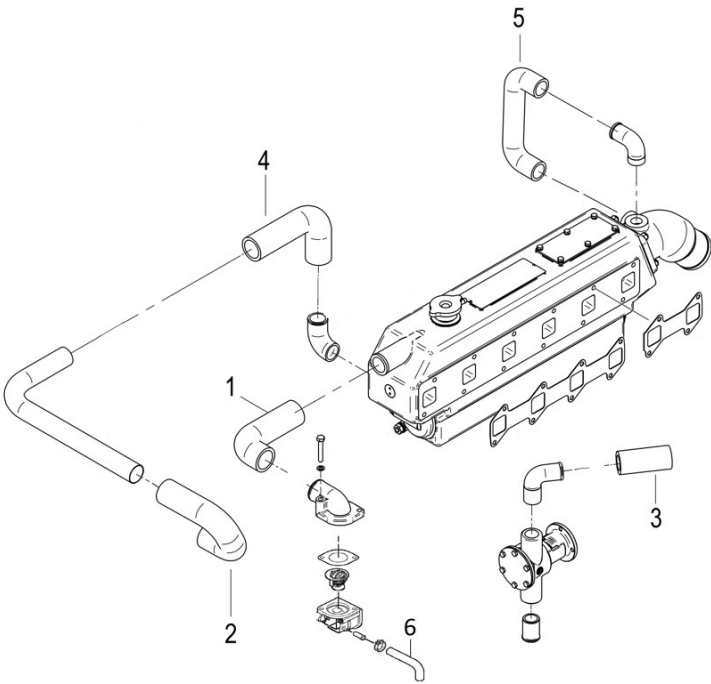


D_17520101 Gasket Kit

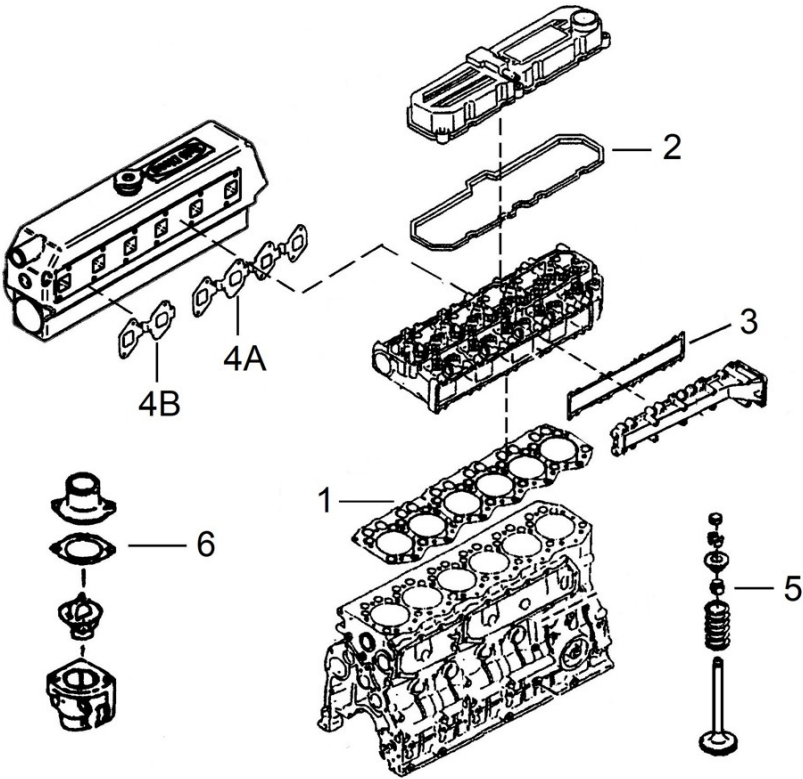
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
31	17424008	10	Washer,Sealing			



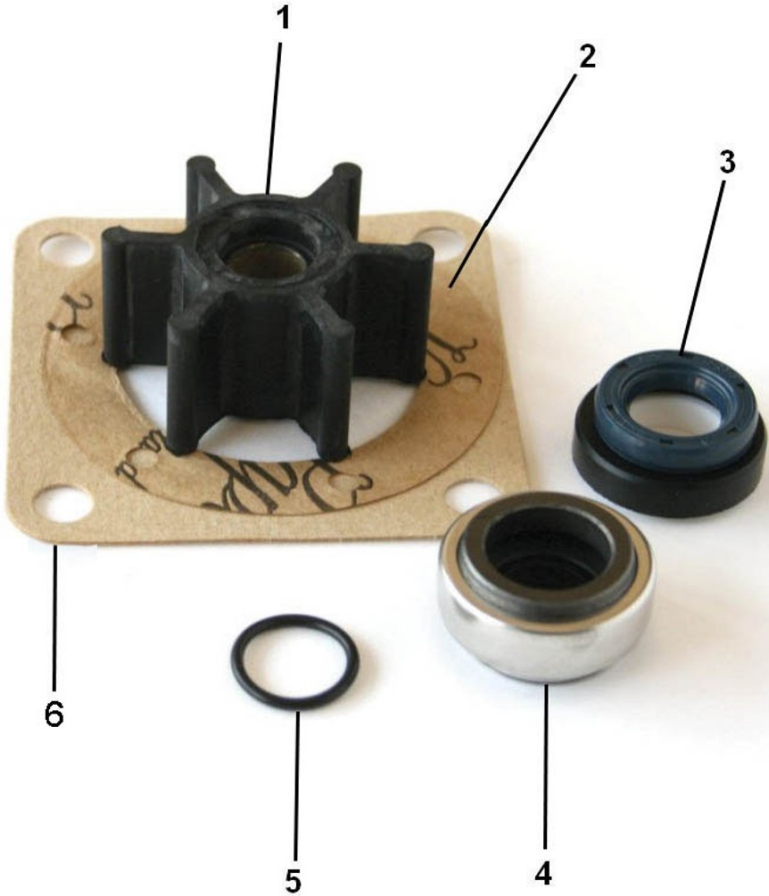
17511100 Pipe Rubber Set,Water Line						
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	17411013	1	Thermostat Water Outlet Elbow			
2	16711016	1	Rubber Elbow			
3	13211036	1	Pipe 30-40-100			
4	17511013	1	Elbow			
5	17411034	1	Hose			
6	17421025	1	Hose,BY-PASS			
NS	15312007	2	Water Cooler Cover			
NS	17511009	1	Hose			



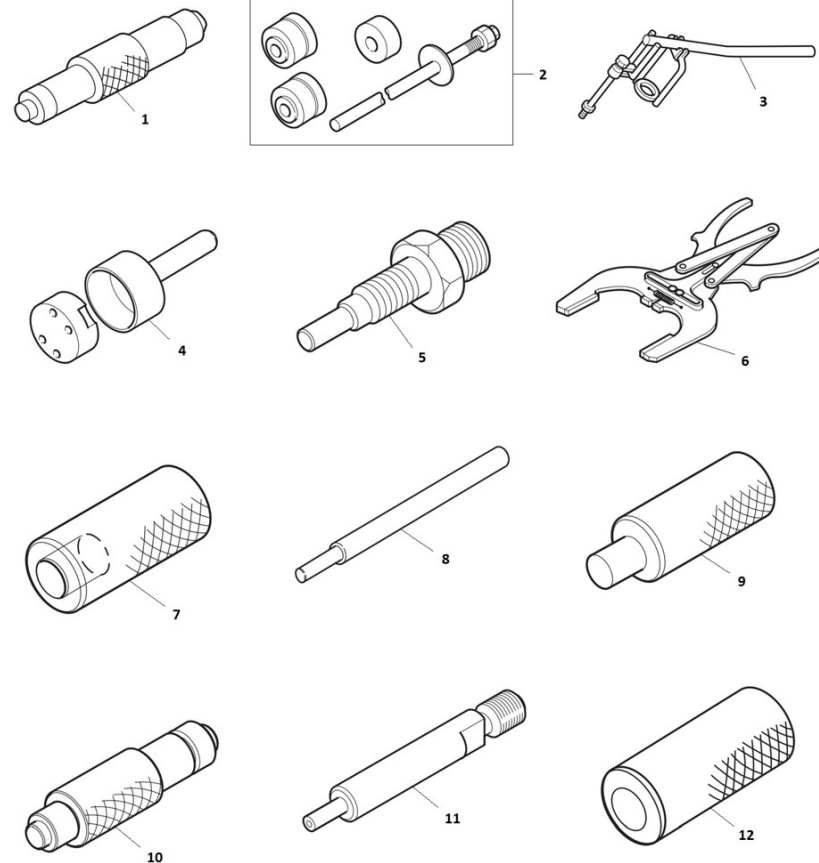
17520101.1 Gasket Kit					
Fig.	Ref.	Qty.	Descr.	Obs	From UpTo
1	17521004	1	Cylinder Head Gasket		
2	17521010	1	Gasket,Rocker Cover		
3	17521032	1	Gasket,IN.MANIFOLD		
4A	17421035	1	Gasket,Exhaust Manifold		
4B	17521035	1	Gasket		
5	17422057	12	Seal, Valve Stem		
6	17111021	1	Gasket		



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			

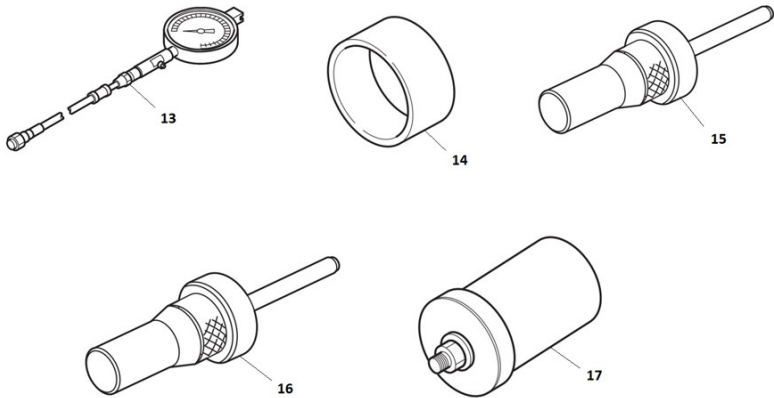


D_UTILFA0936_1		Special Tools				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	U3009107300	1	Idler Bushing Installer			
2	U3069100010	1	Camshaft Bushing Installer Set			
3	U3069104500	1	Valve Spring Pusher			
4	U3069113010	1	Oil seal sleeve installer set			
5	U3069121100	1	Gauge Adapter			
6	UMM74007	1	Piston Ring Pliers			
7	U32A9100100	1	Valve Guide Installer			
8	U32A9100300	1	Valve Guide Remover			
9	U32A9100400	1	Oil Pump Bushing Installer			
10	U32A9100500	1	Connecting rod bushing puller			
11	U32A9101100	1	Gauge adapter (direct injection)			
12	U32A9110200	1	Stem Seal Installer			



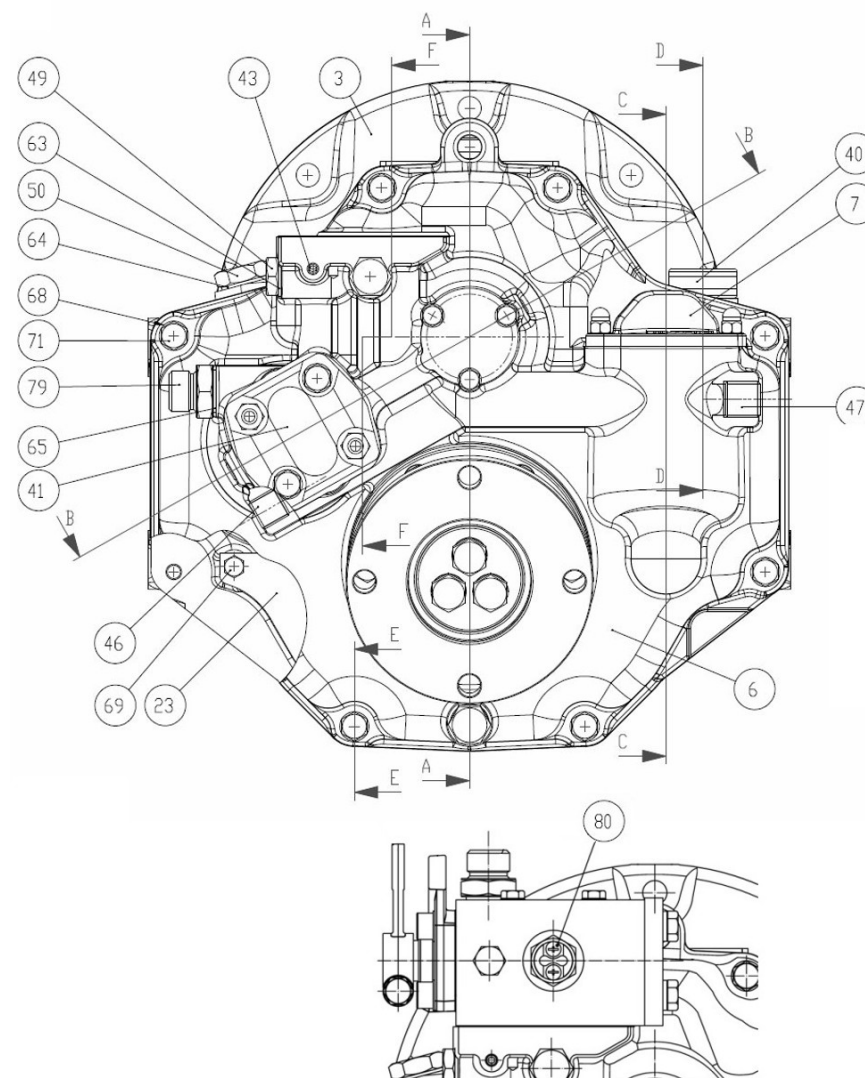
D_UTILFA0936_2 Special Tools

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



D_5025_1 Sheet 1/4

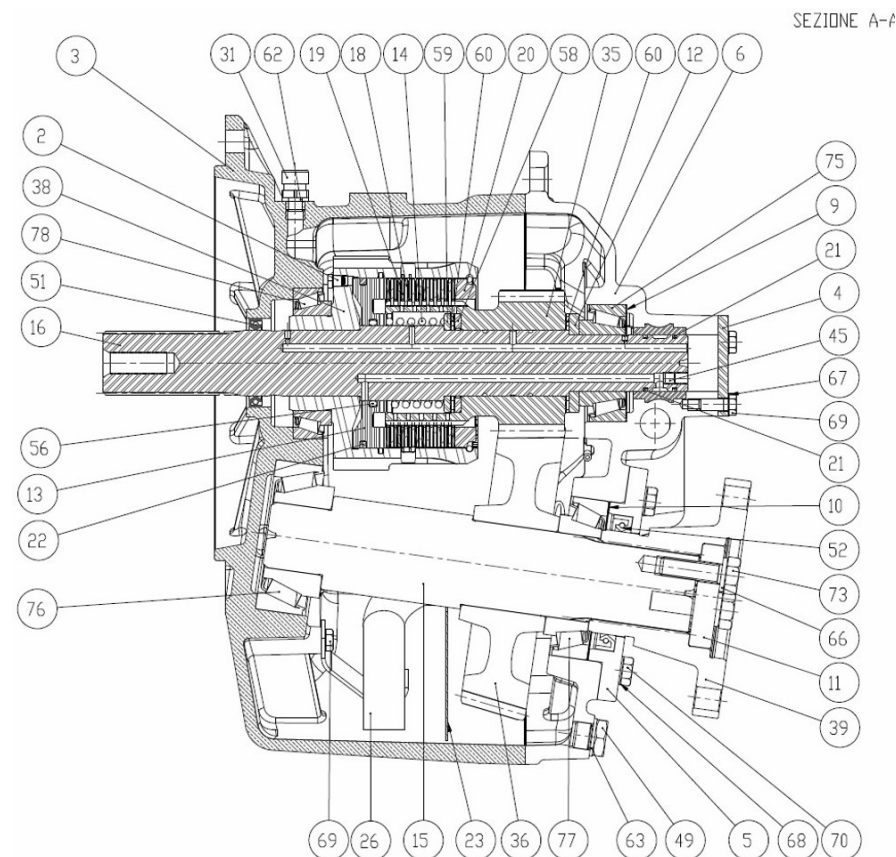
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
3	24873001.1	1	Housing TM 485A1			
6	24870102.1	1	Cover			
7	24870007.1	1	Cover			
23	24870080.1	1	BULKHead			
40	24870008.1	1	Gauge Oil LEVEL			
41	24870043	1	Pump Assy Oil			
43	24810506	1	Screw			
46	24870045.1	1	Screw			
47	24870046.1	1	Screw			
49	24810011	3	Plug,oil drain			
50	24830017	1	Plug			
63	24810088	3	Plane Washer			
64	24830016	1	Washer			
65	24850092	1	Washer			
68	24850093	16	Washer			
69	24810044	7	Screw			
71	24830025	8	Screw			
79	24810527	1	SCREW, RACORD			
80	24810532	1	SWITCHER			



D_5025_2

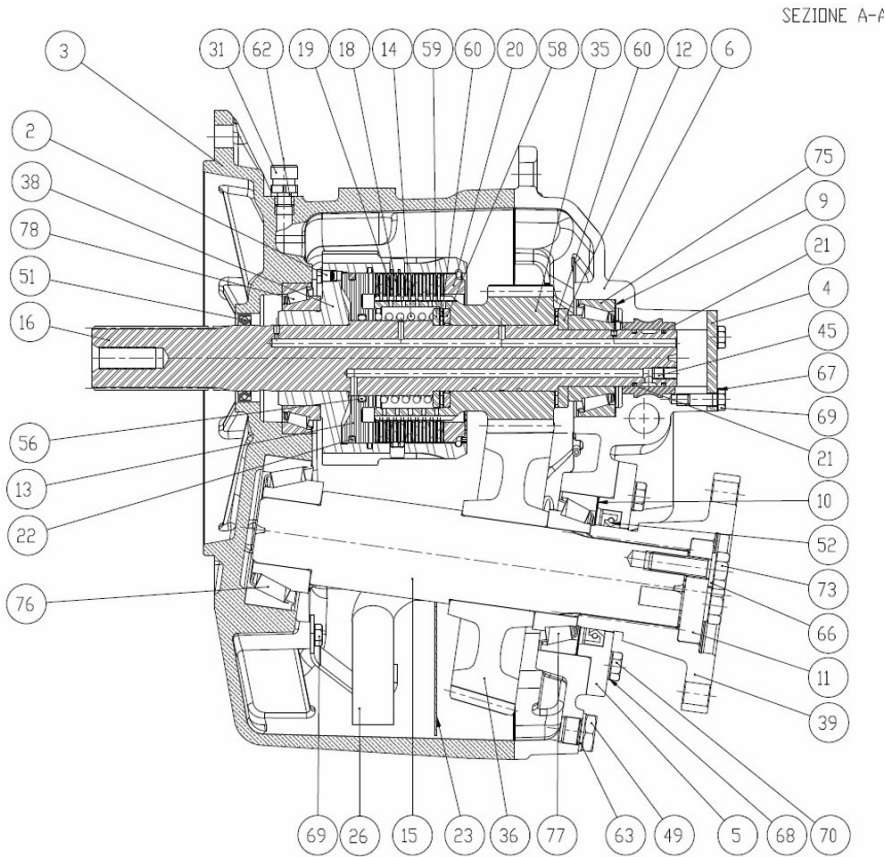
Sheet 2/4

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
2	24870062	2	Selector Valve			
3	24873001.1	1	Housing TM 485A1			
4	24870105	1	REAR Cover Input Shaft			
5	24870208	1	REAR Cover Output Shaft			
6	24870102.1	1	Cover			
9	24813500.67	6	Spacer			
10	24870219	3	Shim			
11	24870222	1	Washer			
12	24810307	2	Washer			
13	24870124	2	Piston			
14	24810322	2	Spring			
15	24870201	1	Output Shaft			
16	24873101	1	Input Shaft			
18	24810316	18	Disk			
19	24870115	20	Conduct Disk			
20	24870113	2	Retainer Ring			
21	24810328	4	Washer			
22	24810325	2	Washer			
23	24870080.1	1	BULKHead			
26	24870081.1	1	SUCTION Pipe			
31	24810065	1	Plug			
35	24873203	1	Gear R.2,09			
36	24873210	1	Gear R.2,09			
38	24870203	1	TRANSFER Gear,LAY Shaft			
39	24870224	1	Flange Output			
45	24850087	2	Plug			
49	24810011	3	Plug,oil drain			
51	24810103	1	Oil Grommet			
52	24870214	1	LIP Seal			
56	24870059	2	O-Ring			
58	24870318	2	THRUST RACE			



D_5025_2 Sheet 2/4

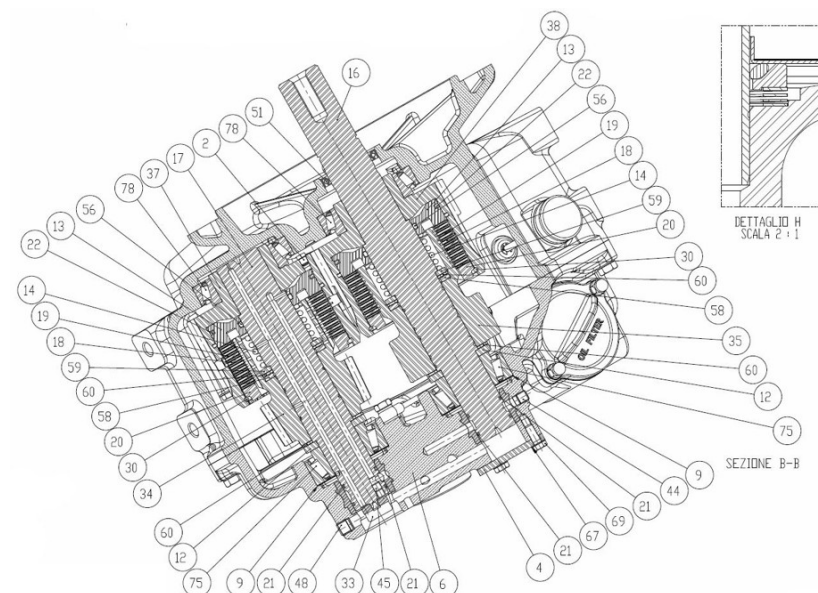
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
59	24870118	2	THRUST RACE			
60	24810309	4	Roller			
62	24810063	1	Plane Washer			
63	56000069	3	Washer 14-20-1,5			
66	24820075	3	Washer			
67	24860092	5	Washer			
68	24850093	16	Washer			
69	52102156	7	Bolt DIN 933 M6-16 8.8			
70	24810047	6	Screw			
73	52101310	3	Bolt DIN 931 M10-35 8.8			
75	24870207	2	Bearing			
76	24870212	1	Conical Roller Bearing 30307			
77	24870205	1	Bearing			
78	24870206	2	Bearing			



D_5025_3

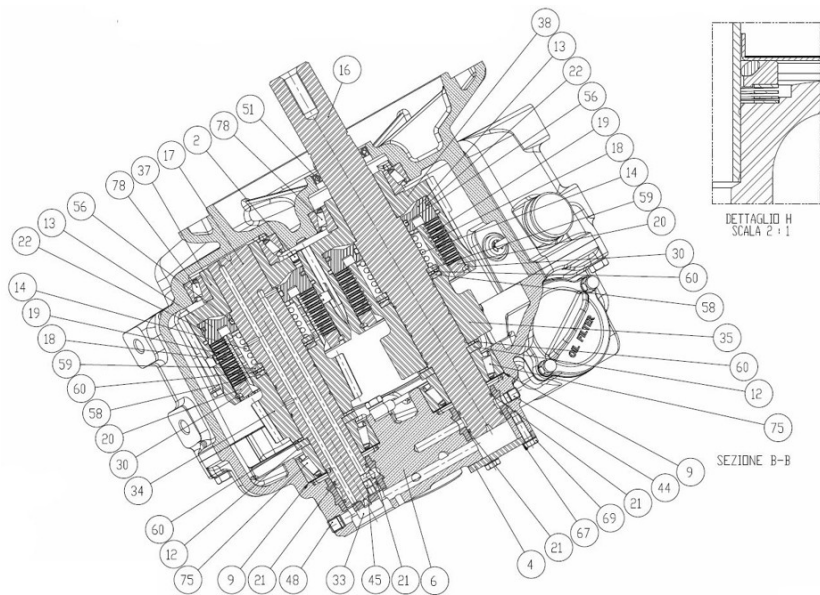
Sheet 3/4

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	24810062	1	Valve BY PASS			
2	24870062	2	Selector Valve			
4	24870105	1	REAR Cover Input Shaft			
6	24870102.1	1	Cover			
9	24813500.67	6	Spacer			
12	24810307	2	Washer			
13	24870124	2	Piston			
14	24810322	2	Spring			
16	24873101	1	Input Shaft			
17	24870301	1	LAY Shaft			
18	24810316	18	Disk			
19	24870115	20	Conduct Disk			
20	24870113	2	Retainer Ring			
21	24810328	4	Washer			
22	24810325	2	Washer			
27	24870082.1	1	Pipe			
28	24870083.1	1	PIPE			
29	24870084.1	1	Bushing			
30	24870310	2	FIXING Ring			
32	24870035.1	1	Oil Filter			
33	24870303	1	Cover			
34	24873302	1	Gear R.2,09			
35	24873203	1	Gear R.2,09			
37	24870103	1	TRANSFER Gear,PRIMARY Shaft			
38	24870203	1	TRANSFER Gear,LAY Shaft			
42	24870086.1	1	Spring			
44	24870044.1	1	Screw			
45	24850087	2	Plug			
48	24870047.1	1	Screw			
51	24810103	1	Oil Grommet			
55	24870009	1	O-Ring			



D_5025_3 Sheet 3/4

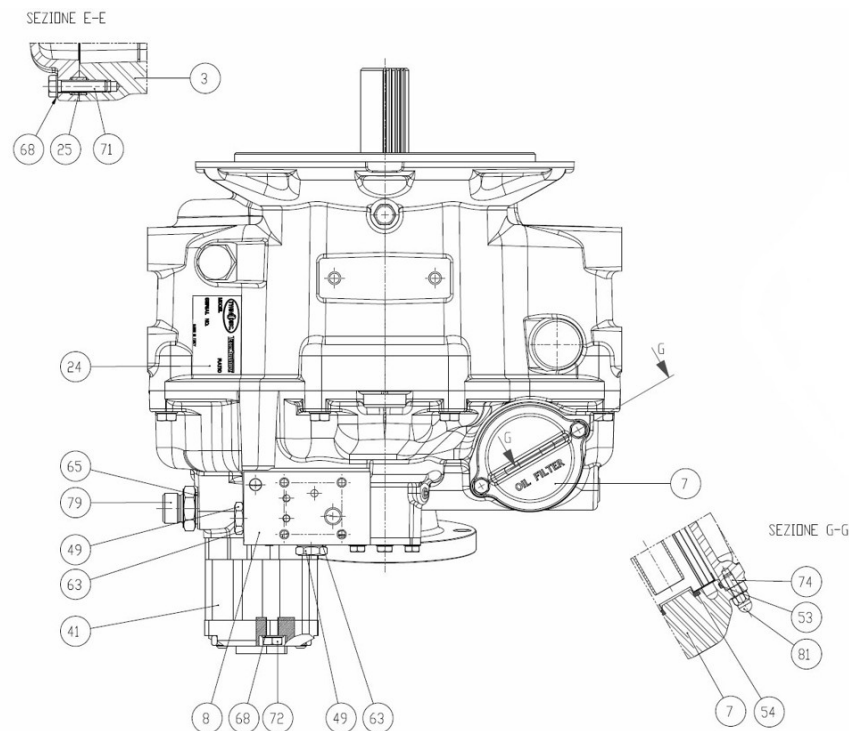
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
56	24870059	2	O-Ring			
57	24870011.1	1	O-Ring			
58	24870318	2	THRUST RACE			
59	24870118	2	THRUST RACE			
60	24810309	4	Roller			
61	24820086	2	Washer			
67	24860092	5	Washer			
69	24810044	7	Screw			
75	24870207	2	Bearing			
78	24870206	2	Bearing			
80	24870083	1	PIPE			



D_5025_4

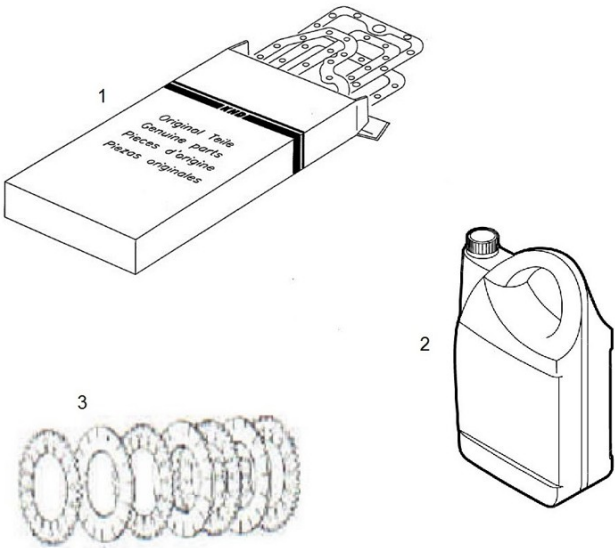
Sheet 4/4

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
3	24873001.1	1	Housing TM 485A1			
7	24870007.1	1	Cover			
8	24870015	1	Gasket			
24	24850005	1	Plate, IDENTIFICATION			
25	24870085	2	Pin			
41	24870043	1	Pump Assy Oil			
49	24810011	3	Plug,oil drain			
53	24870009.1	1	O-Ring			
54	24870010.1	2	O-Ring			
63	24810088	3	Plane Washer			
65	24850092	1	Washer			
68	24850093	16	Washer			
71	24830025	8	Screw			
72	24870044	2	Screw			
74	24870071	2	Stud			
79	24810527	1	SCREW, RACORD			
81	24870012.1	2	Nut			



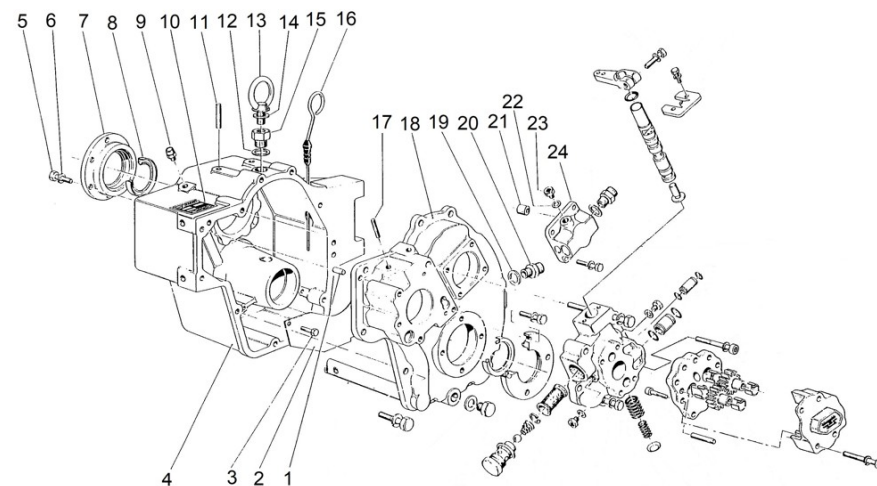


D_5025_5		Maintenance Kit				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	24873401	1	Gasket Kit		15/06/2016	
2	A0105000	1	15W40 Sole Diesel Oil 5L		15/06/2016	
3	24873403	2	Clutch Plate Kit		15/06/2016	



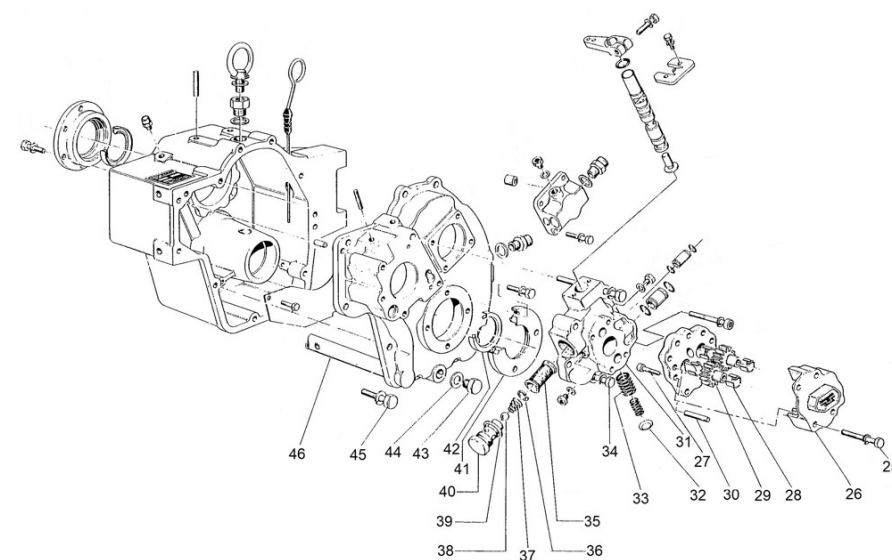
D_5026_1.1 **Sheet 1.1/4**

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			



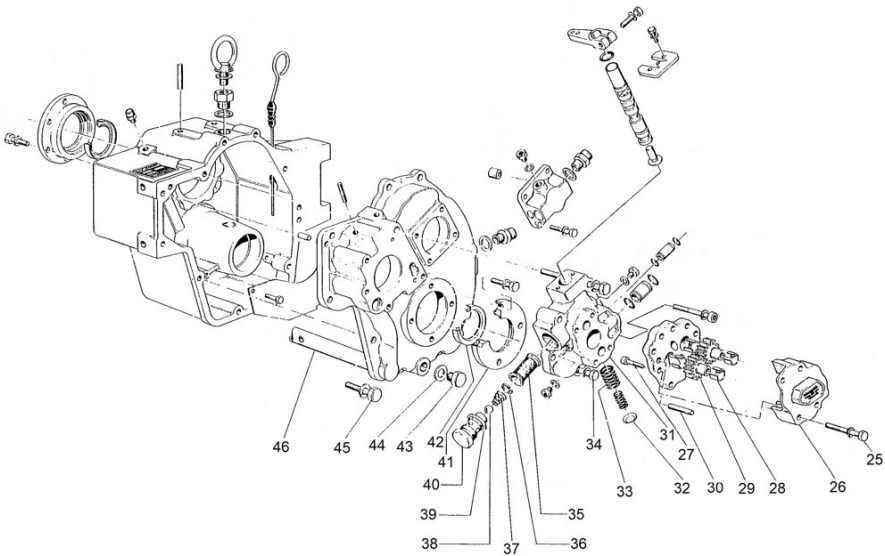
D_5026_1.2 Sheet 1.2/4

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
25	24810013	4	Screw			
25	24810013	4	Screw			
26	24820015.1	1	Oil Pump Body			
26	24820015.1	1	Oil Pump Body			
27	24820025.1	3	Screw			
27	24820025.1	3	Screw			
28	24810025	4	Bushing			
28	24810025	4	Bushing			
29	24810096	1	Gear, Driver			
29	24810096	1	Gear, Driver			
30	24820023.1	2	Pin			
30	24820023.1	2	Pin			
31	24820026	1	Distributor Cap			
31	24820026	1	Distributor Cap			
32	24810055	1	Expansion Plug			
32	24810055	1	Expansion Plug			
33	24816054	1	Spring, Valve			
33	24816054	1	Spring, Valve			
34	24820098	2	Screw M10X50			
34	24820098	2	Screw M10X50			
35	24810035	1	Oil Filter			
35	24810035	1	Oil Filter			
36	24810032	1	SNAP Ring			
36	24810032	1	SNAP Ring			
37	24810030	1	Valve Spring			
37	24810030	1	Valve Spring			
38	18024143	1	Ball,steel 1/2"			
38	18024143	1	Ball,steel 1/2"			
39	24810027	1	Washer			
39	24810027	1	Washer			
40	24810024	1	Plug, Oil Filter DRAIN			

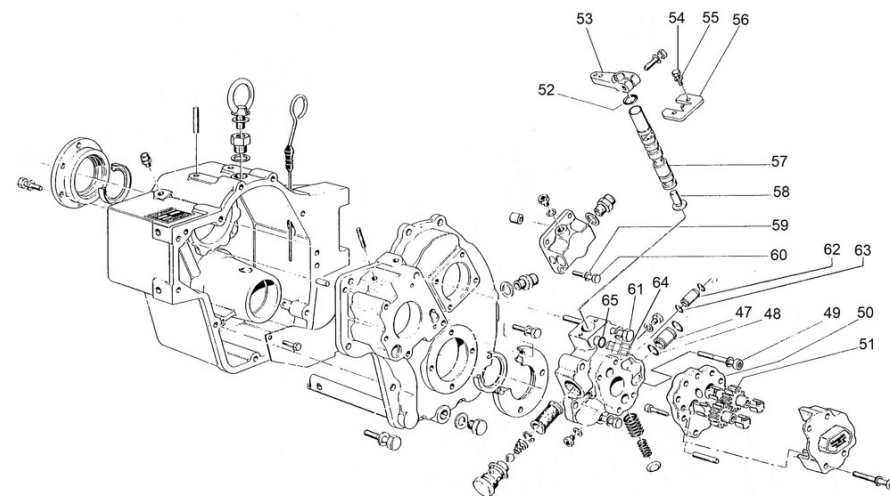


D_5026_1.2 Sheet 1.2/4

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
41	24820208	1	Cover Front			
42	24820214	1	Grommet			
42	24820214	1	Grommet			
43	24810011	1	Plug,oil drain			
43	24810011	1	Plug,oil drain			
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			
46	24816081	1	Aspiration Tube TM 880A			
46	24816081	1	Aspiration Tube TM 880A			
NS	52103311	9	Bolt DIN 912 M10-40 8.8			
NS	52103311	9	Bolt DIN 912 M10-40 8.8			

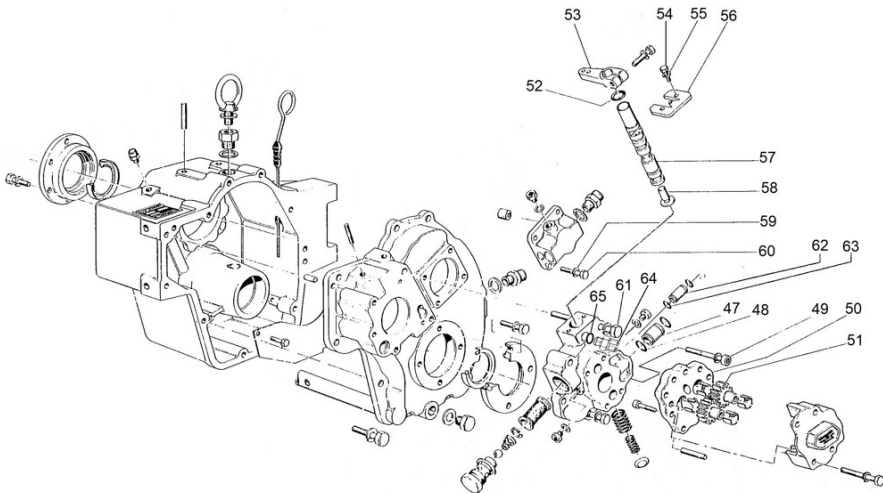


D_5026_1.3		Sheet 1.3/4				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
47	24820062	2	Tube, Racord			
47	24820062	2	Tube, Racord			
48	24820063	2	O-Ring D. 15X1,7			
48	24820063	2	O-Ring D. 15X1,7			
49	24820013	2	Screw M10X30			
49	24820013	2	Screw M10X30			
50	24810026.1	3	Cover			
50	24810026.1	3	Cover			
51	24810095	3	Gear, Driven			
51	24810095	3	Gear, Driven			
52	24810056	1	O-Ring			
52	24810056	1	O-Ring			
53	24810424	1	Lever			
53	24810424	1	Lever			
54	24810044	2	Screw			
54	24810044	2	Screw			
55	24810042	2	Washer			
55	24810042	2	Washer			
56	24810041	1	Support			
56	24810041	1	Support			
57	24810051	1	Distributor			
57	24810051	1	Distributor			
58	24810052	1	Valve			
58	24810052	1	Valve			
59	24820075	4	Washer			
59	24820075	4	Washer			
60	24820076	4	Screw M10X30			
60	24820076	4	Screw M10X30			
61	24820087	1	Screw M10X130			
61	24820087	1	Screw M10X130			
62	24820060	1	Tube, Racord			

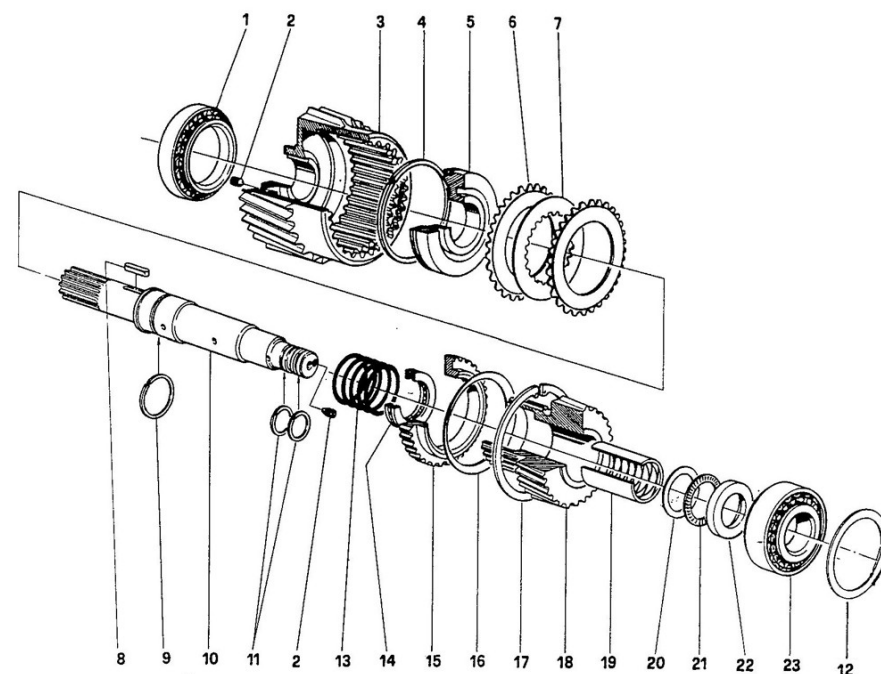


D_5026_1.3 Sheet 1.3/4

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
63	24820059	2	O-Ring D. 10X1,7			
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			

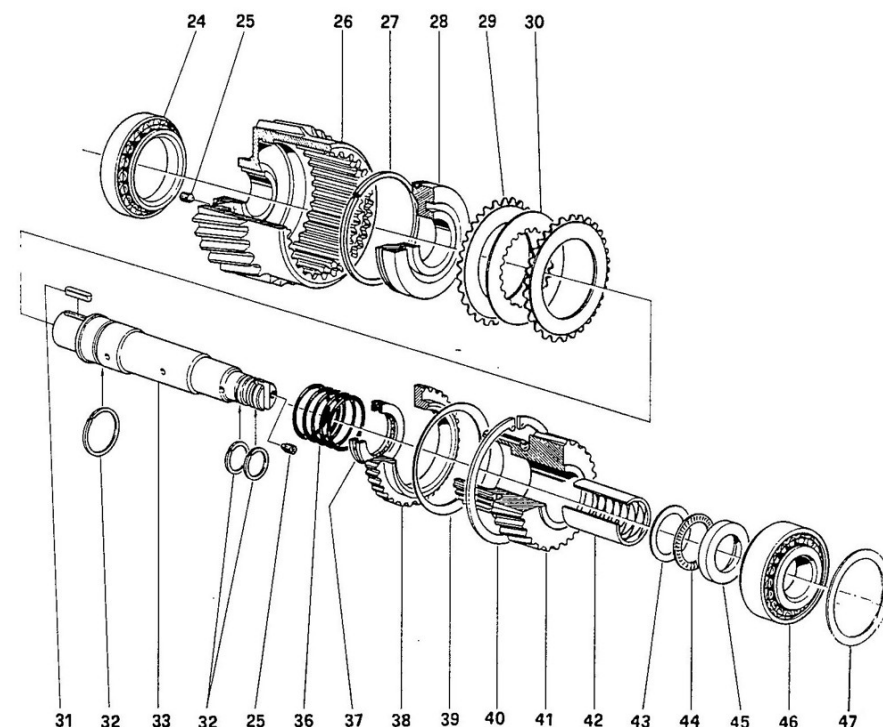


D_5026_2		Input Shaft 2/4				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	24820134	1	Conical Roller Bearing 32011-JR			
2	24810326	2	Plug			
3	24820130	1	Bell			
4	24820125	1	Washer			
5	24820124	1	Piston			
6	24820115	9	Disk			
7	24820116	8	Disk			
8	24810211	1	KEY			
9	24820126	1	Washer			
10	24820101	1	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			

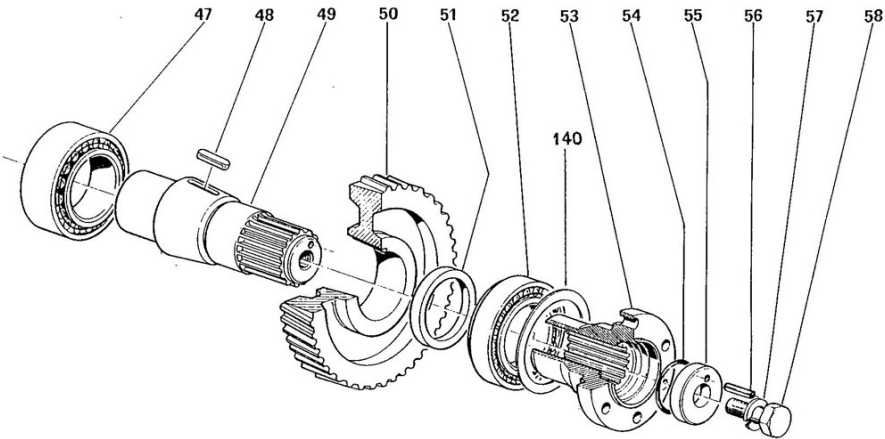


D_5026_3 Intermediate Shaft 3/4

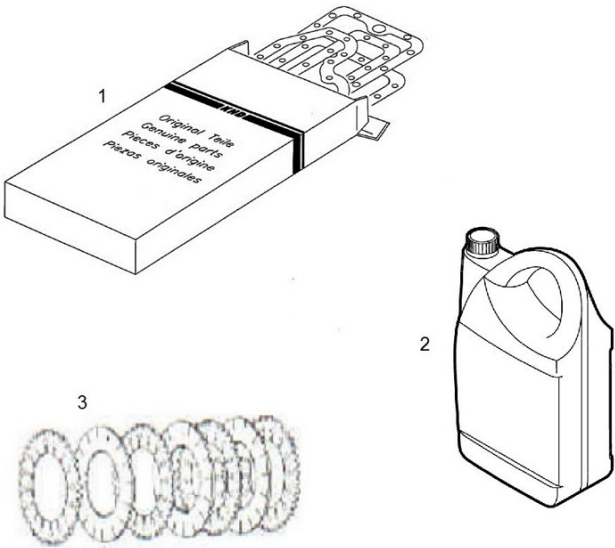
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
24	24820134	1	Conical Roller Bearing 32011-JR			
25	24810326	2	Plug			
26	24820330	1	Bell			
27	24820125	1	Washer			
28	24820124	1	Piston			
29	24820115	9	Disk			
30	24820116	8	Disk			
31	24810211	1	KEY			
32	24820126	2	Washer			
33	24820301	1	INTERMEDIATE Shaft			
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	#	

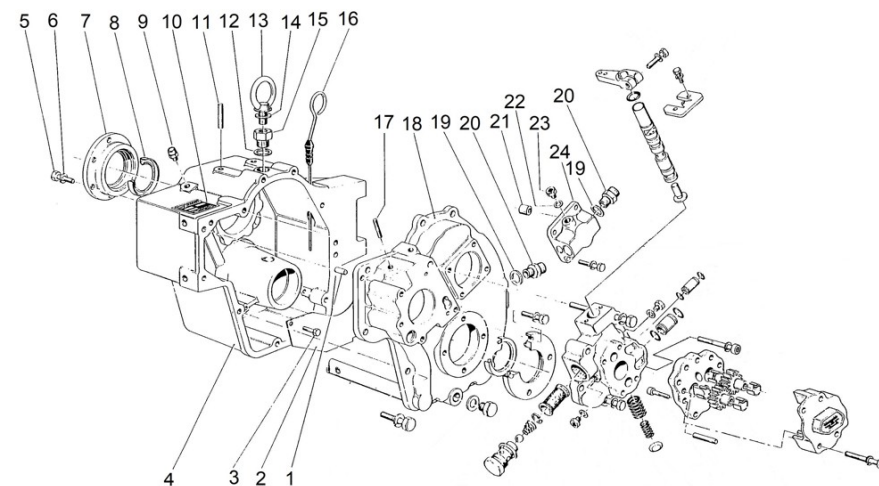


D_5027_5		Maintenance Kit				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	24820401	1	Kit Gasket		15/06/2016	
1	24820401	1	Kit Gasket		15/06/2016	
2	A0105000	1	15W40 Sole Diesel Oil 5L		15/06/2016	
2	A0105000	1	15W40 Sole Diesel Oil 5L		15/06/2016	
3	24820403	2	Clutch Plate Kit		15/06/2016	
3	24820403	2	Clutch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



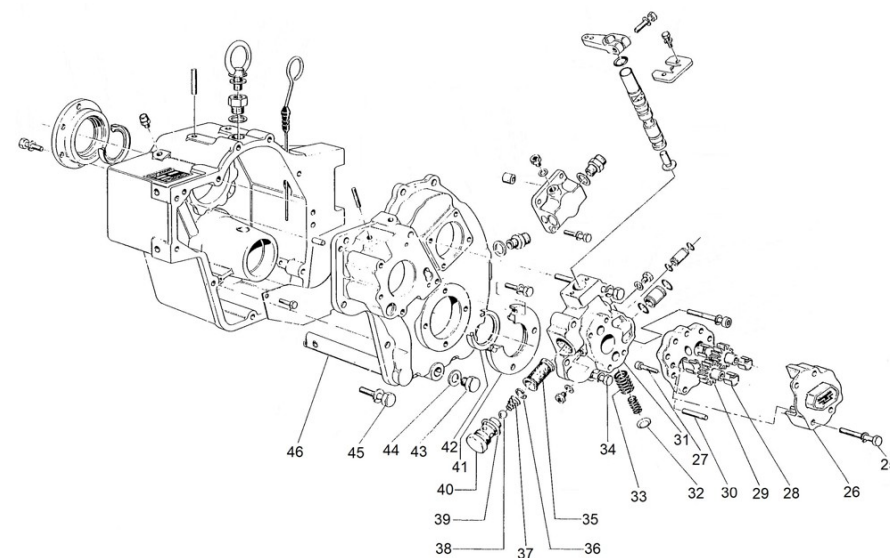
D_5027_1.1 Sheet 1.1/4

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	24820090	2	Pin			
2	24816080	1	Plate Pipe			
3	24810082	2	Screw			
4	24820001	1	Front Body TM 170			
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	24820002	1	Reverse Body TM 170			
19	24810059	2	Plane Washer			
20	24810060	2	Racord			
21	24810062	1	Valve BY PASS			
22	24820086	1	Washer			
23	24830105	1	Plug			
24	24820102	1	Cover, REAR			



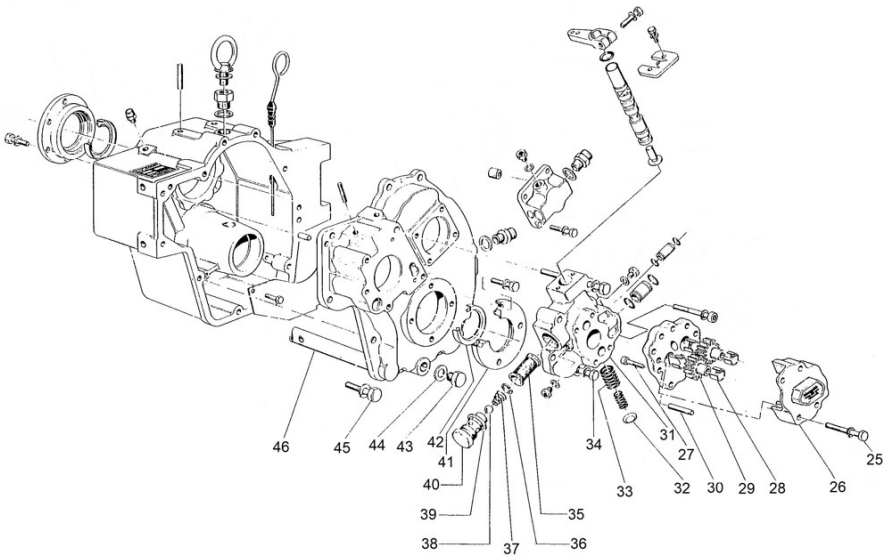
D_5026_1.2 Sheet 1.2/4

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
25	24810013	4	Screw			
25	24810013	4	Screw			
26	24820015.1	1	Oil Pump Body			
26	24820015.1	1	Oil Pump Body			
27	24820025.1	3	Screw			
27	24820025.1	3	Screw			
28	24810025	4	Bushing			
28	24810025	4	Bushing			
29	24810096	1	Gear, Driver			
29	24810096	1	Gear, Driver			
30	24820023.1	2	Pin			
30	24820023.1	2	Pin			
31	24820026	1	Distributor Cap			
31	24820026	1	Distributor Cap			
32	24810055	1	Expansion Plug			
32	24810055	1	Expansion Plug			
33	24816054	1	Spring, Valve			
33	24816054	1	Spring, Valve			
34	24820098	2	Screw M10X50			
34	24820098	2	Screw M10X50			
35	24810035	1	Oil Filter			
35	24810035	1	Oil Filter			
36	24810032	1	SNAP Ring			
36	24810032	1	SNAP Ring			
37	24810030	1	Valve Spring			
37	24810030	1	Valve Spring			
38	18024143	1	Ball,steel 1/2"			
38	18024143	1	Ball,steel 1/2"			
39	24810027	1	Washer			
39	24810027	1	Washer			
40	24810024	1	Plug, Oil Filter DRAIN			

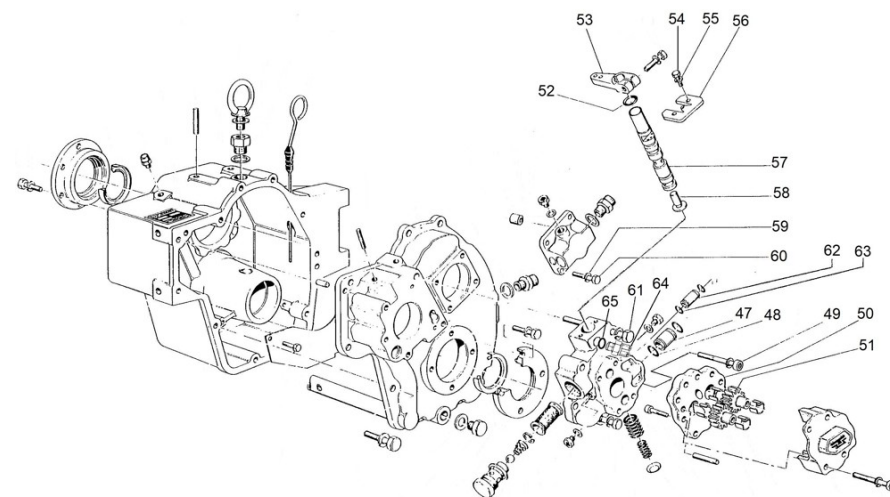


D_5026_1.2 Sheet 1.2/4

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
41	24820208	1	Cover Front			
42	24820214	1	Grommet			
42	24820214	1	Grommet			
43	24810011	1	Plug,oil drain			
43	24810011	1	Plug,oil drain			
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			
46	24816081	1	Aspiration Tube TM 880A			
46	24816081	1	Aspiration Tube TM 880A			
NS	52103311	9	Bolt DIN 912 M10-40 8.8			
NS	52103311	9	Bolt DIN 912 M10-40 8.8			

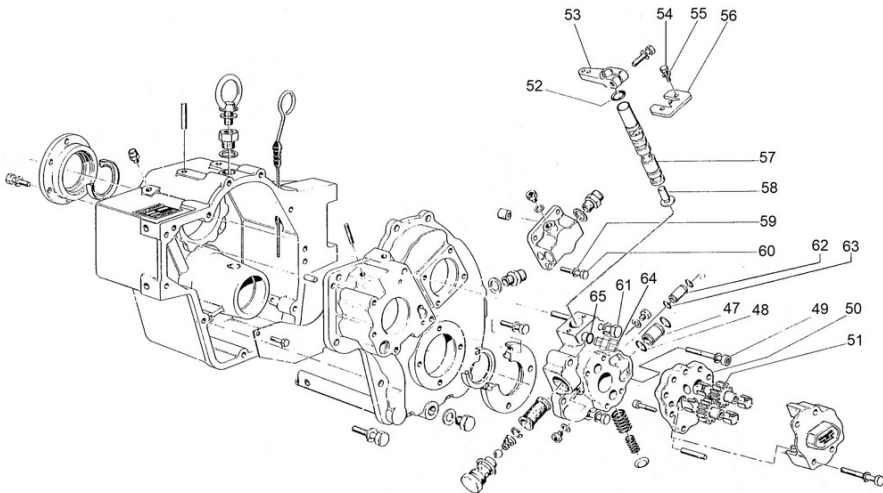


D_5026_1.3		Sheet 1.3/4				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
47	24820062	2	Tube, Racord			
47	24820062	2	Tube, Racord			
48	24820063	2	O-Ring D. 15X1,7			
48	24820063	2	O-Ring D. 15X1,7			
49	24820013	2	Screw M10X30			
49	24820013	2	Screw M10X30			
50	24810026.1	3	Cover			
50	24810026.1	3	Cover			
51	24810095	3	Gear, Driven			
51	24810095	3	Gear, Driven			
52	24810056	1	O-Ring			
52	24810056	1	O-Ring			
53	24810424	1	Lever			
53	24810424	1	Lever			
54	24810044	2	Screw			
54	24810044	2	Screw			
55	24810042	2	Washer			
55	24810042	2	Washer			
56	24810041	1	Support			
56	24810041	1	Support			
57	24810051	1	Distributor			
57	24810051	1	Distributor			
58	24810052	1	Valve			
58	24810052	1	Valve			
59	24820075	4	Washer			
59	24820075	4	Washer			
60	24820076	4	Screw M10X30			
60	24820076	4	Screw M10X30			
61	24820087	1	Screw M10X130			
61	24820087	1	Screw M10X130			
62	24820060	1	Tube, Racord			

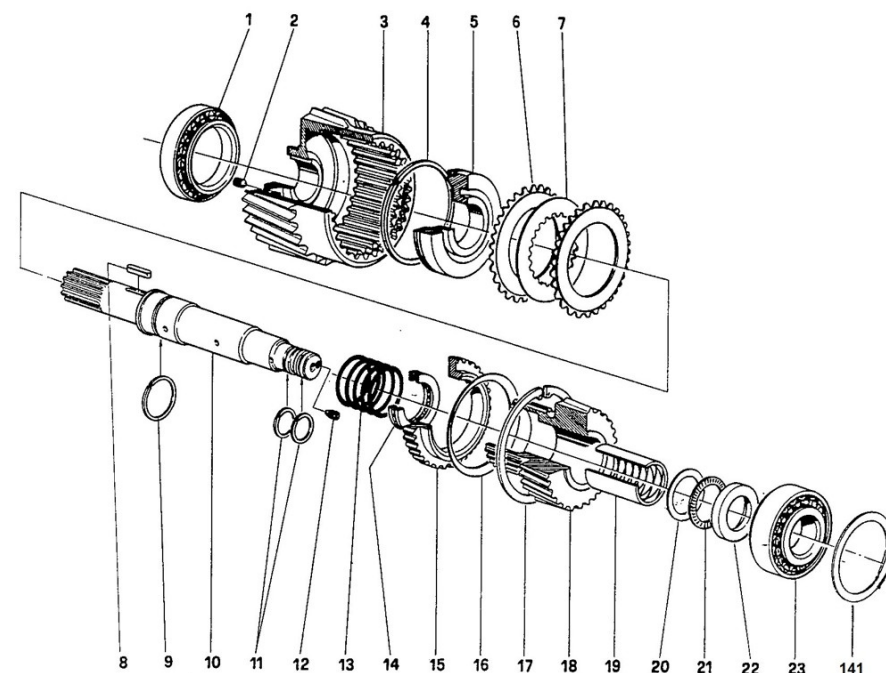


D_5026_1.3 Sheet 1.3/4

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
63	24820059	2	O-Ring D. 10X1,7			
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			

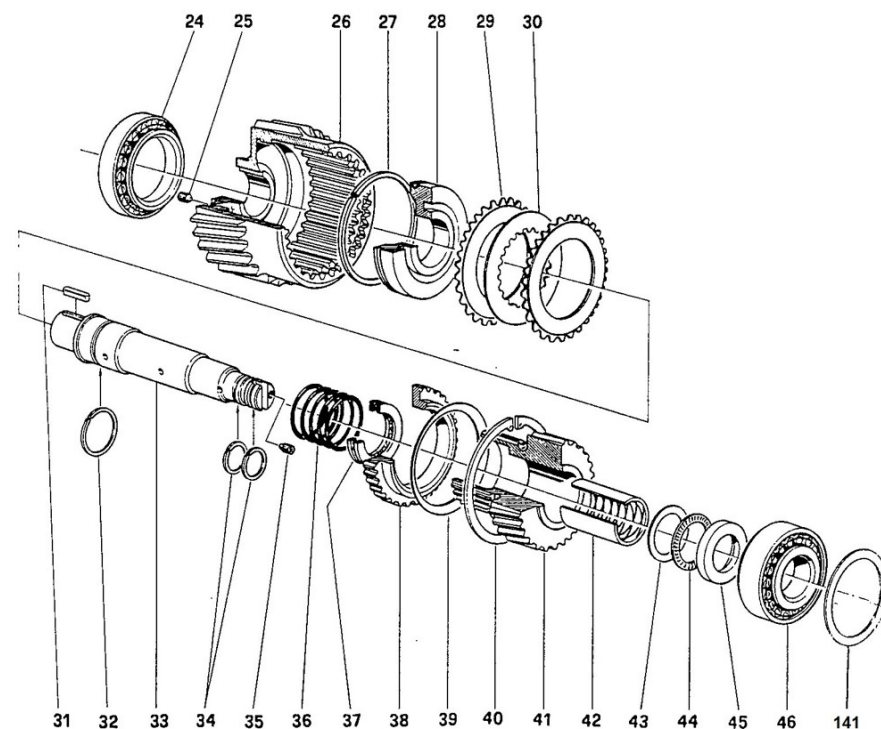


D_5027_2		Input Shaft 2/4				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	24820134	1	Conical Roller Bearing 32011-JR			
2	24810334	1	Plug			
3	24820130	1	Bell			
4	24820125	1	Washer			
5	24820124	1	Piston			
6	24820115	9	Disk			
7	24820116	8	Disk			
8	24810211	1	KEY			
9	24820126	1	Washer			
10	24820101	1	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	#		

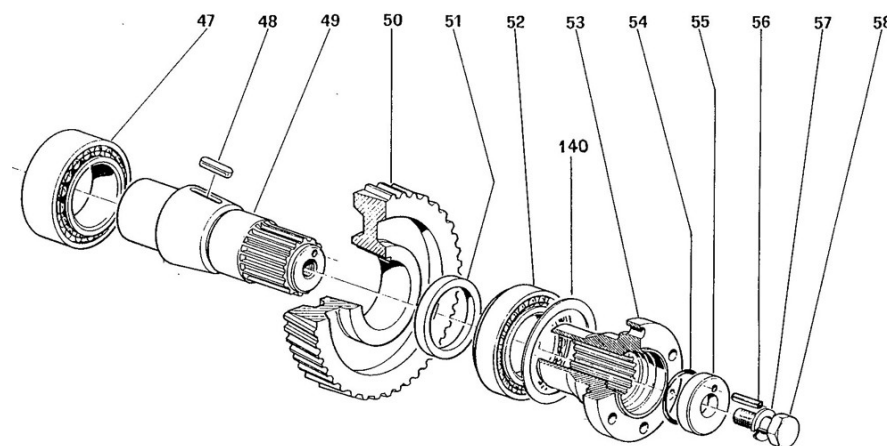


D_5027_3 Intermediate Shaft 3/4

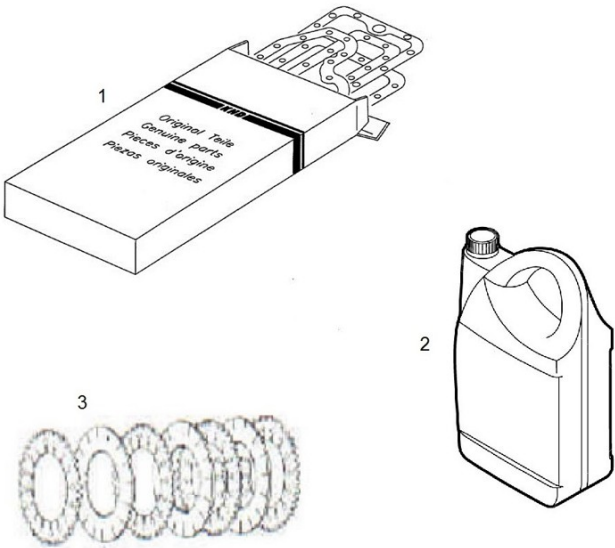
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
24	24820134	1	Conical Roller Bearing 32011-JR			
25	24810334	1	Plug			
26	24820330	1	Bell			
27	24820125	1	Washer			
28	24820124	1	Piston			
29	24820115	9	Disk			
30	24820116	8	Disk			
31	24810211	1	KEY			
32	24820126	1	Washer			
33	24820301	1	INTERMEDIATE Shaft			
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	#		

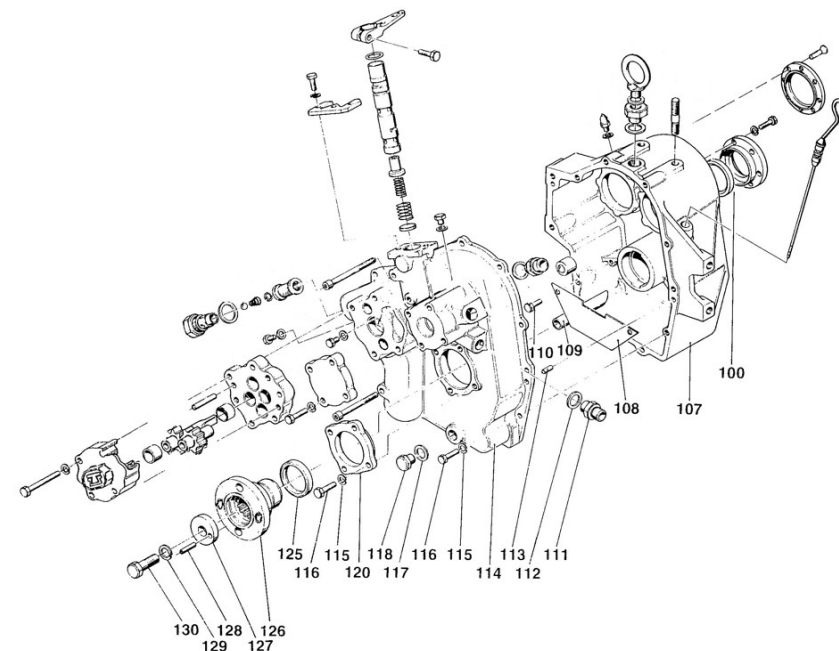


D_5027_5 Maintenance Kit						
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	24820401	1	Kit Gasket		15/06/2016	
1	24820401	1	Kit Gasket		15/06/2016	
2	A0105000	1	15W40 Sole Diesel Oil 5L		15/06/2016	
2	A0105000	1	15W40 Sole Diesel Oil 5L		15/06/2016	
3	24820403	2	Clutch Plate Kit		15/06/2016	
3	24820403	2	Clutch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



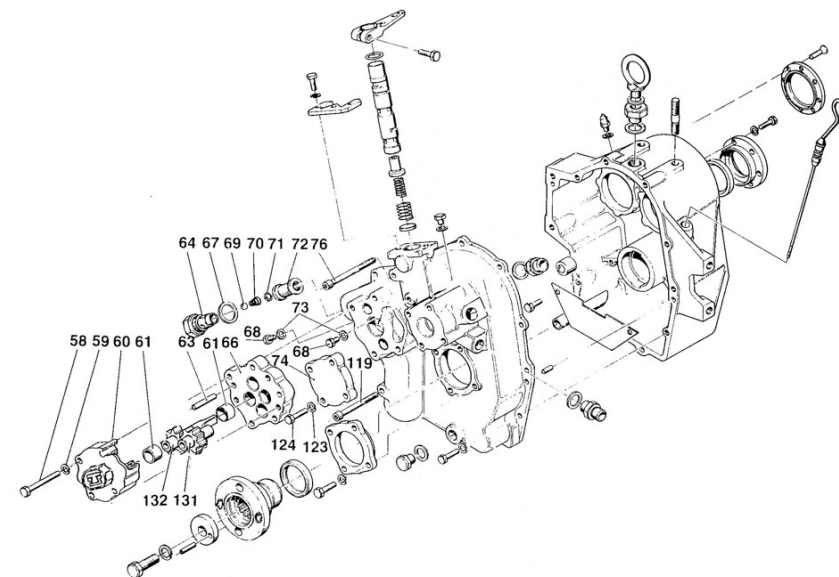
D_5030_1.1 Sheet 1.1/4

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			



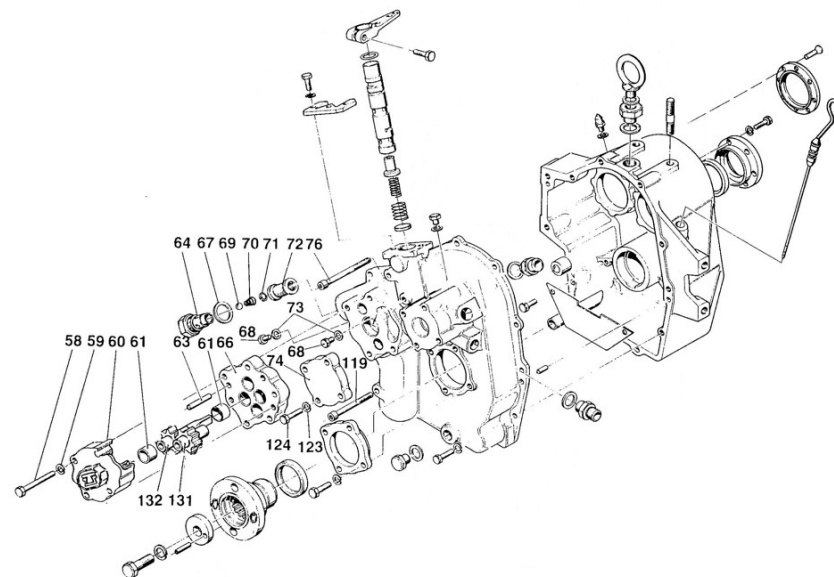
D_5030_1.2 Sheet 1.2/4

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			



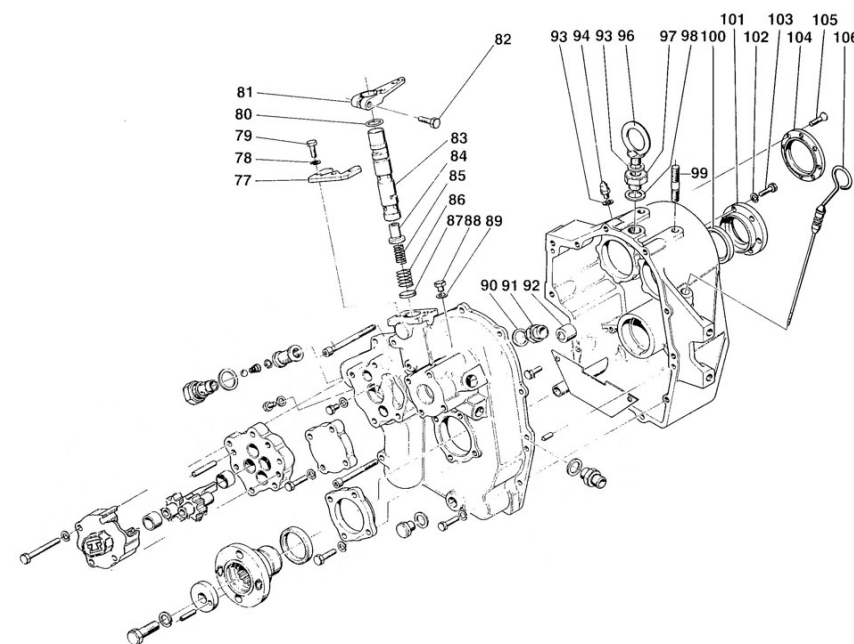
D_5030_1.2 Sheet 1.2/4

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			



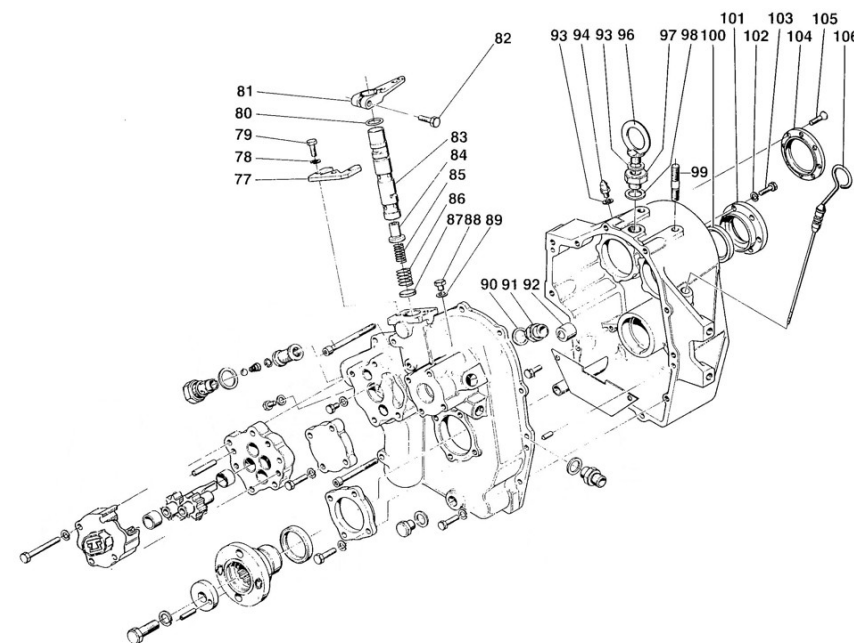
D_5030_1.3 Sheet 1.3/4

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			



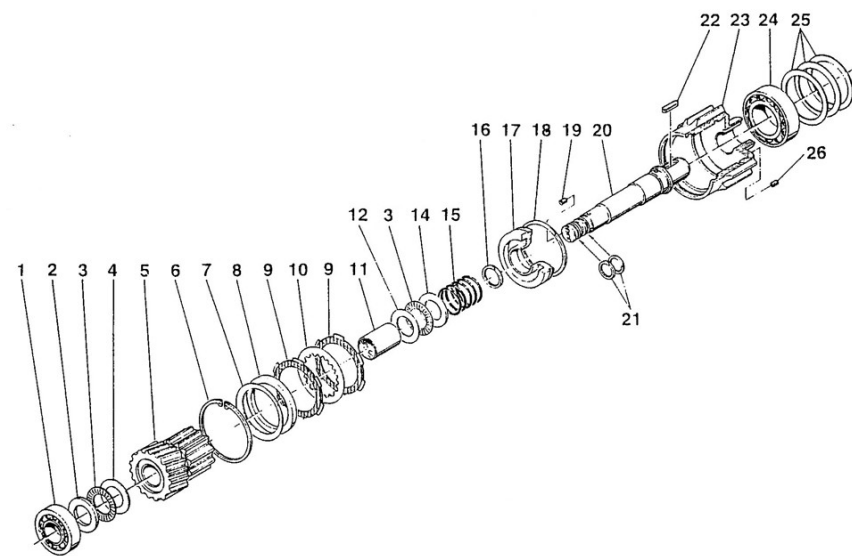
D_5030_1.3 Sheet 1.3/4

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			

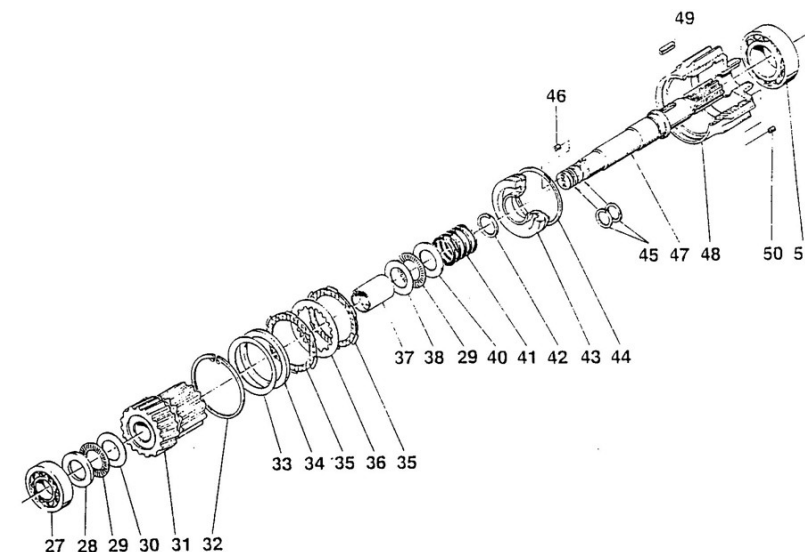


D_5030_2 Intermediate Shaft 2/4

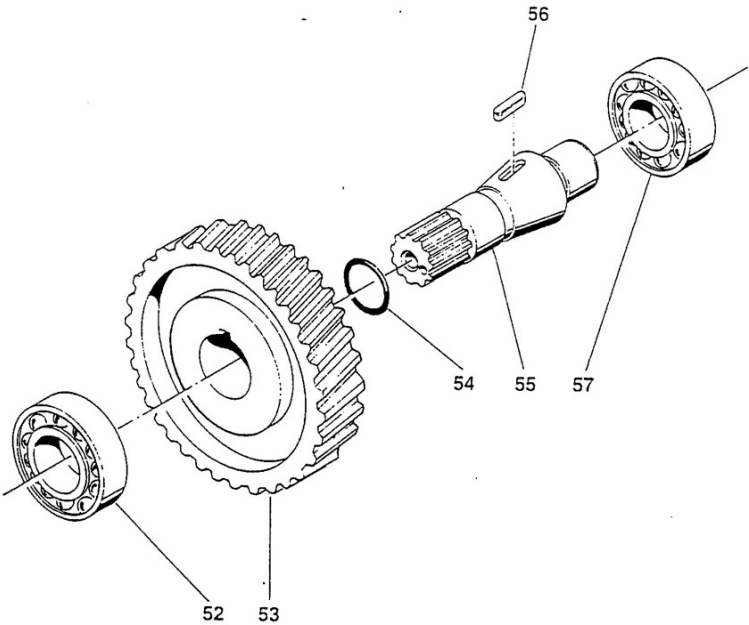
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	24870207	1	Bearing			
2	24810307	1	Washer			
3	24810309	2	Roller			
4	24810310	1	Ring			
5A	24812302	1	Gear R. 1,5 TM 93			
5B	24813302	1	Gear R. 2 TM 93			
5C	24814302	1	Gear R. 2,4 TM 93			
5D	24815302	1	Gear R. 2,8 TM 93			
6	24810312	1	SNAP Ring			
7	24810313	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			



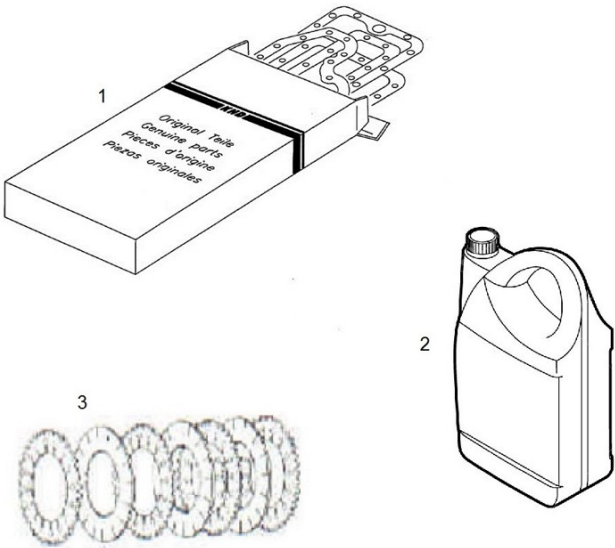
D_5030_3		Input Shaft 3/4			
Fig.	Ref.	Qty.	Descr.	Obs	From UpTo
27	24870207	1	Bearing		
28	24810307	1	Washer		
29	24810309	2	Roller		
30	(*)	1	Not available		
31A	24812302	1	Gear R. 1,5 TM 93		
31B	24813302	1	Gear R. 2 TM 93		
31C	24814302	1	Gear R. 2,4 TM 93		
31D	24815302	1	Gear R. 2,8 TM 93		
32	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		

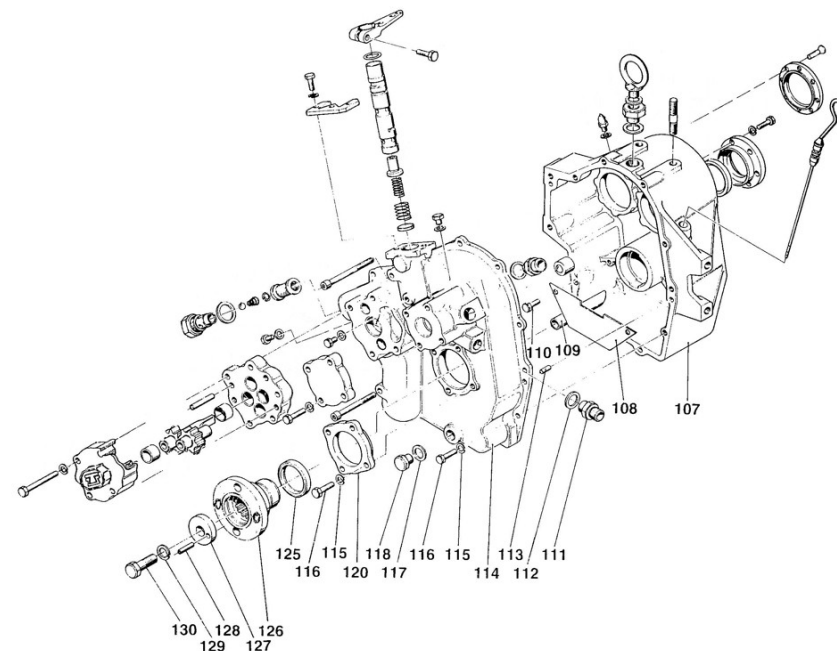


D_5030_5		Maintenance Kit				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	24810401	1	Kit Gasket			
2	A0105000	1	15W40 Sole Diesel Oil 5L			
3	24810403	2	Clutch Plate Kit			



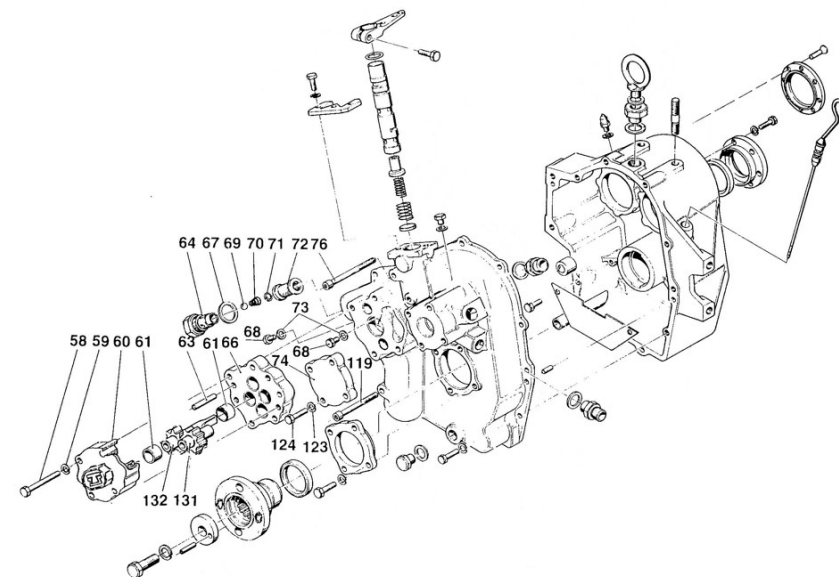
D_5031_1.1 Sheet 1.1/4

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			



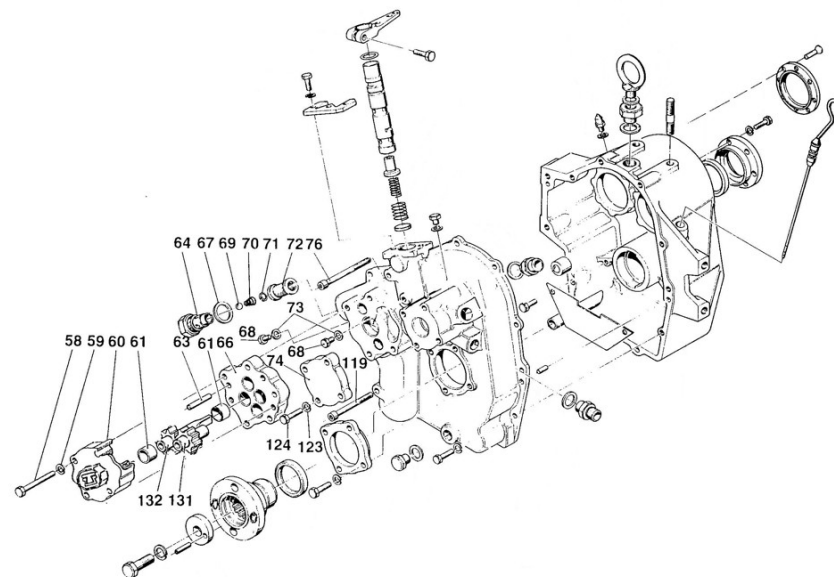
D_5030_1.2 Sheet 1.2/4

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			



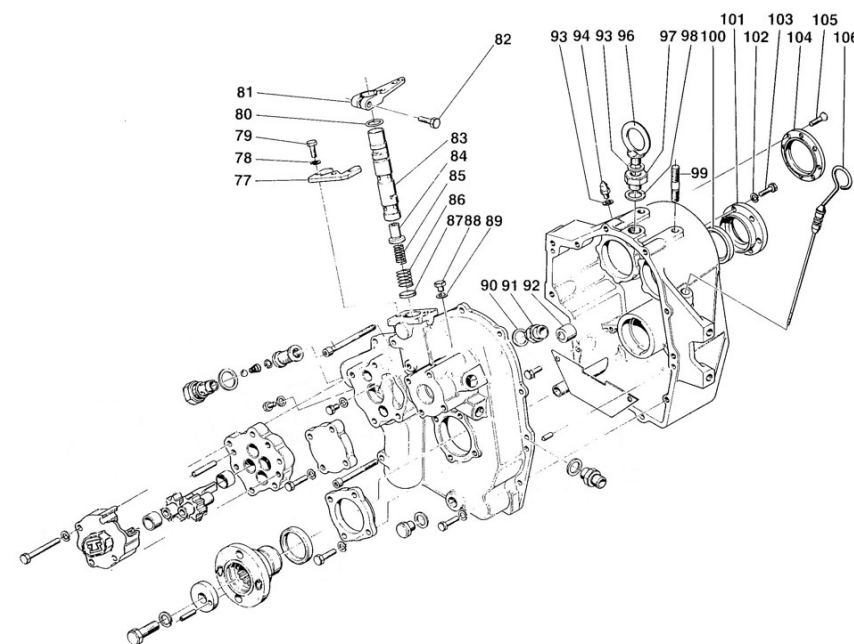
D_5030_1.2 Sheet 1.2/4

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			



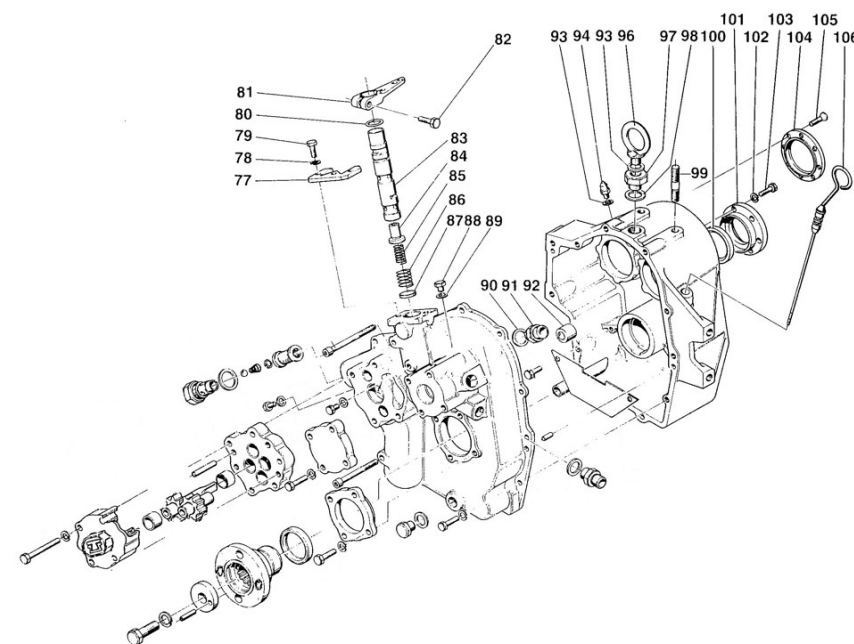
D_5030_1.3 Sheet 1.3/4

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			



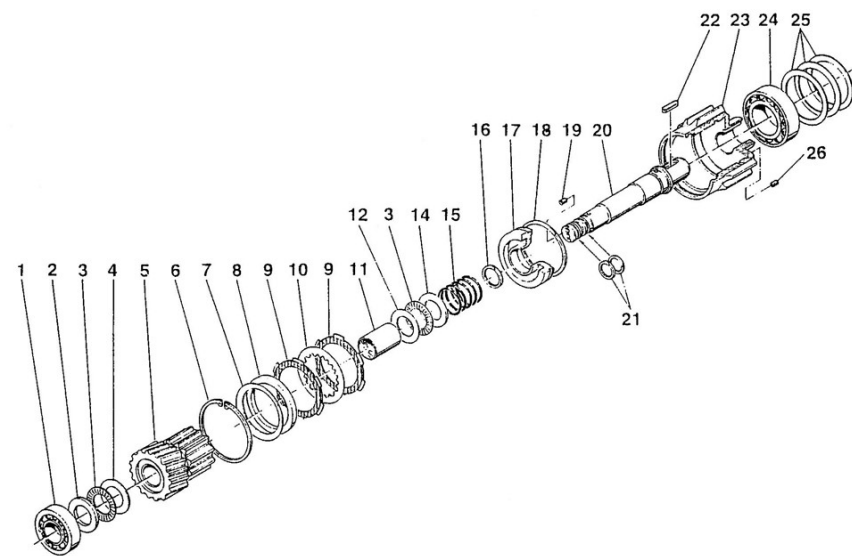
D_5030_1.3 Sheet 1.3/4

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			

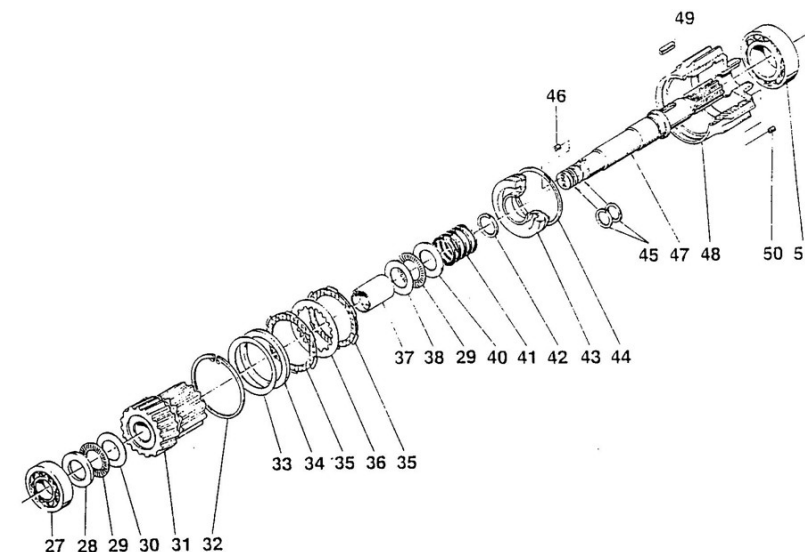


D_5031_2 Intermediate Shaft 2/4

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			

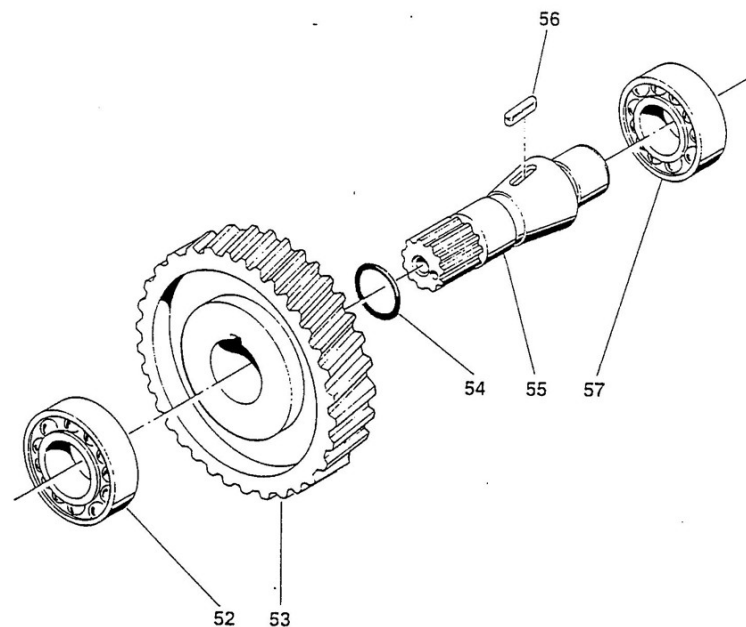


D_5031_3		Input Shaft 3/4			
Fig.	Ref.	Qty.	Descr.	Obs	From UpTo
27	24870207	1	Bearing		
28	24810307	1	Washer		
29	24810309	2	Roller		
30	(*)	1	Not available		
31	24812302	1	Gear R. 1,5 TM 93		
31	24813302	1	Gear R. 2 TM 93		
31	24814302	1	Gear R. 2,4 TM 93		
32	24810312	1	SNAP Ring		
33	24810313	1	Ring		
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		



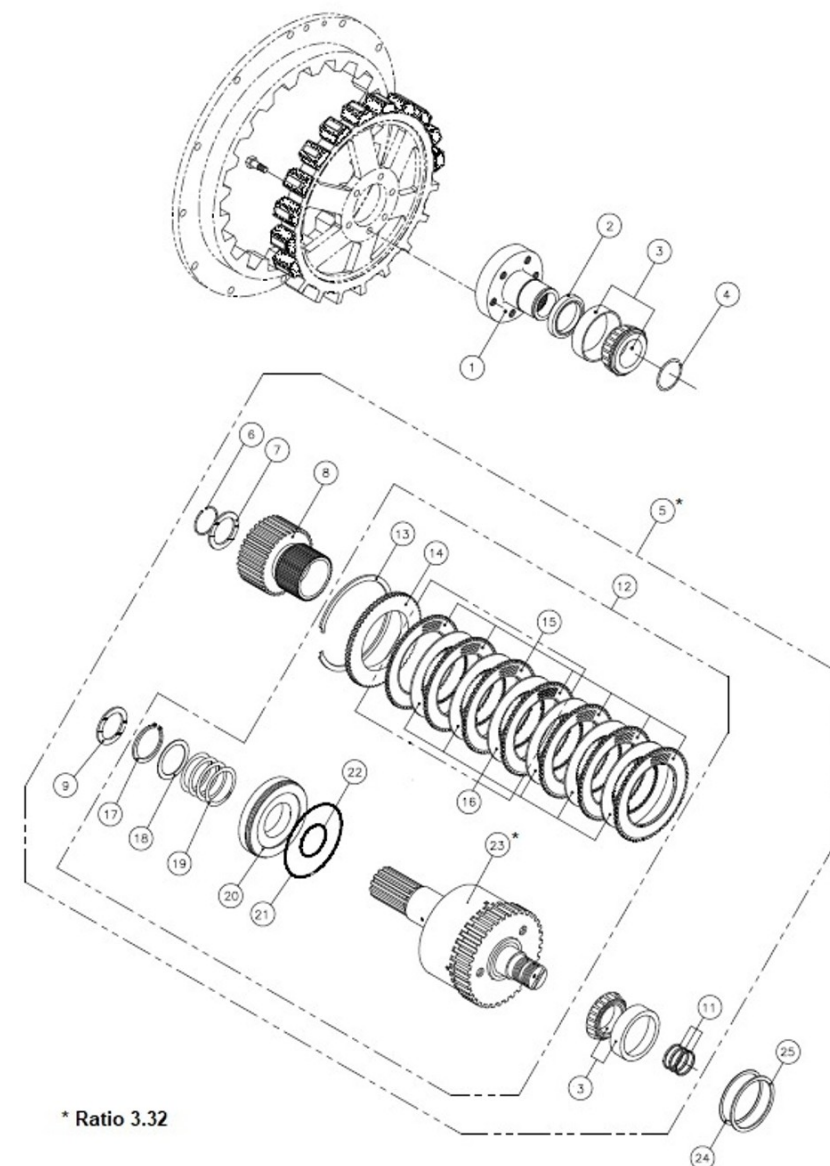
D_5031_4 **Output Shaft 4/4**

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_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			

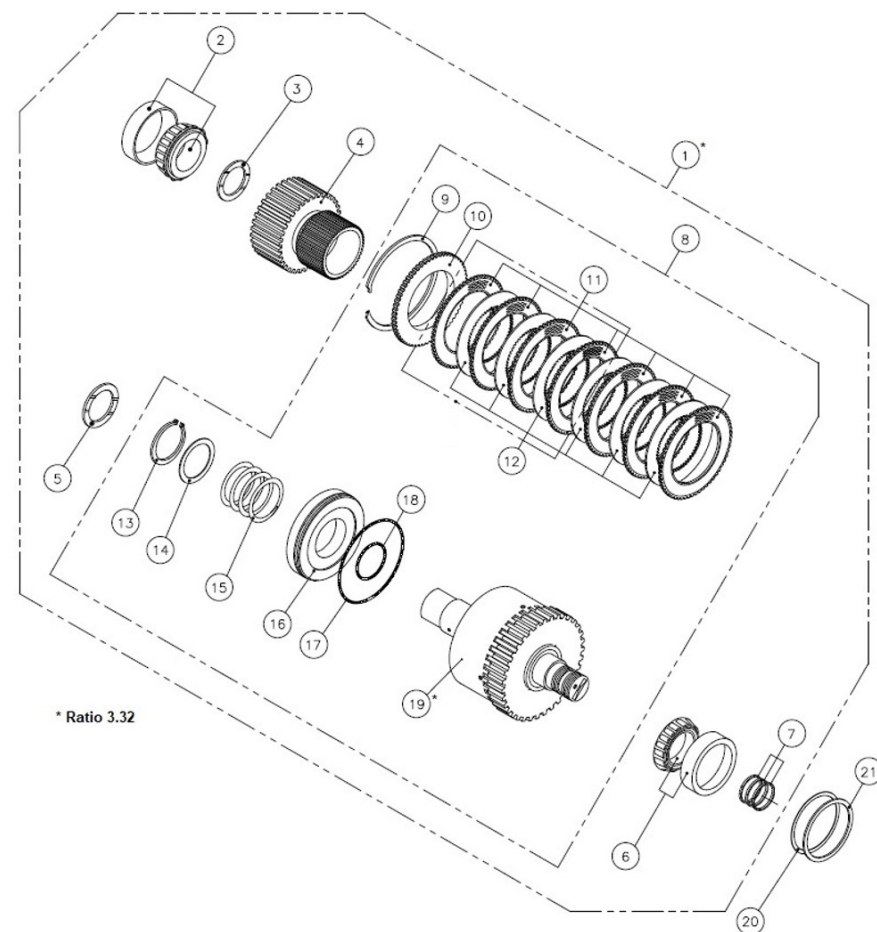


* Ratio 3.32

D_50DB_2

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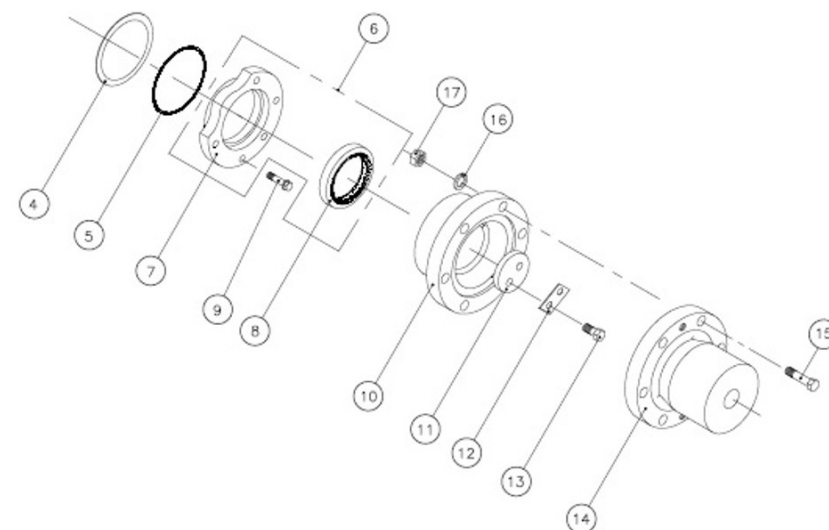
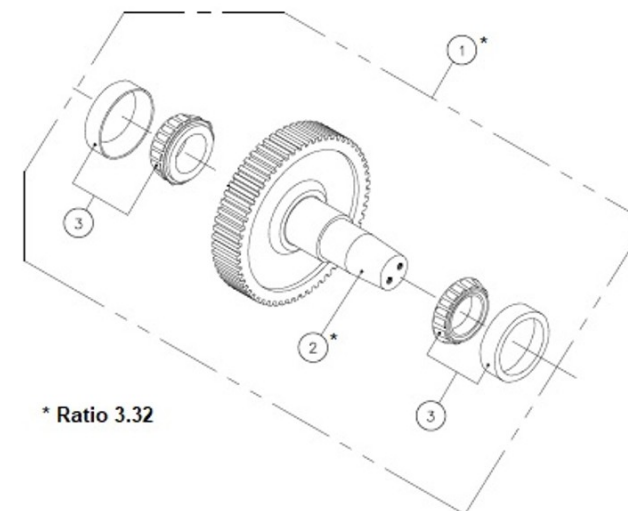
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1E	243D5201	1	Astern Shaft Group			
2	243D5202	1	Bearing, Taper Roller			
3	243D5103	1	Washer, Thrust			
4E	243D5104	1	Pinion, Assy			
5	243D5105	1	Washer, Thrust			
6	243D5012	1	Bearing, Taper Roller			
7	243D5106	3	Ring, Oil Seal			
8	243D5203	1	Astern Shaft Assy			
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

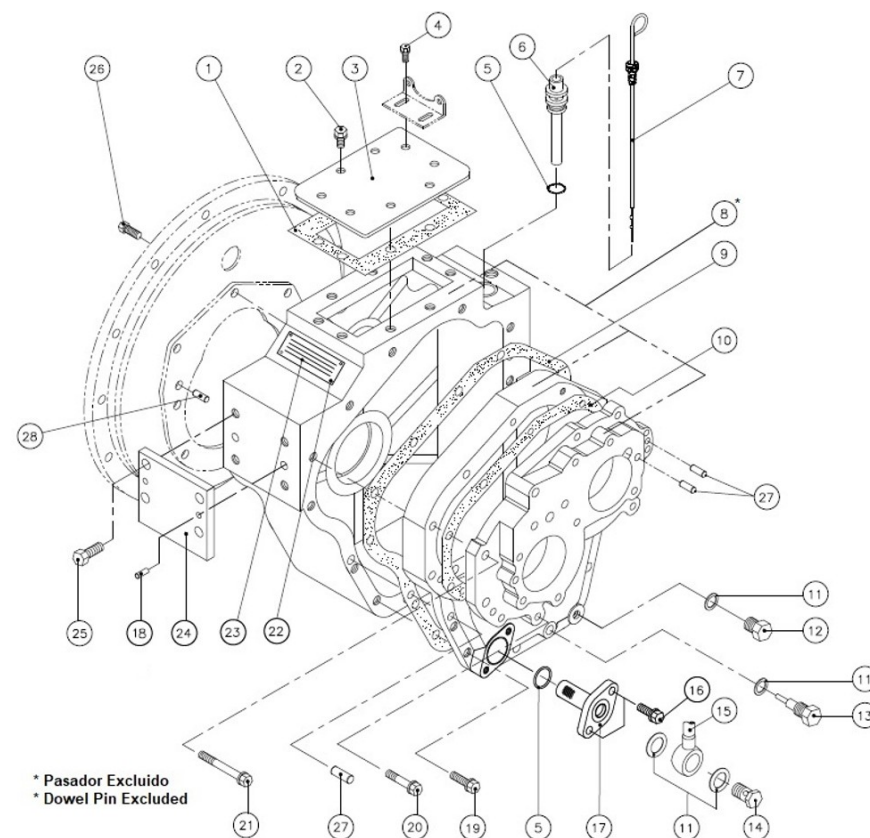
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Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1E	243D5014	1	Output Shaft Group			
2E	243D5015	1	Output Shaft Assy			
3	243D5016	2	Bearing, Taper Roller			
4A	243D5017	1	Shim			
4B	243D5018	1	Shim			
4C	243D5019	1	Shim			
5	243D5020	1	O-Ring			
6	243D5021	1	Carrier, 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

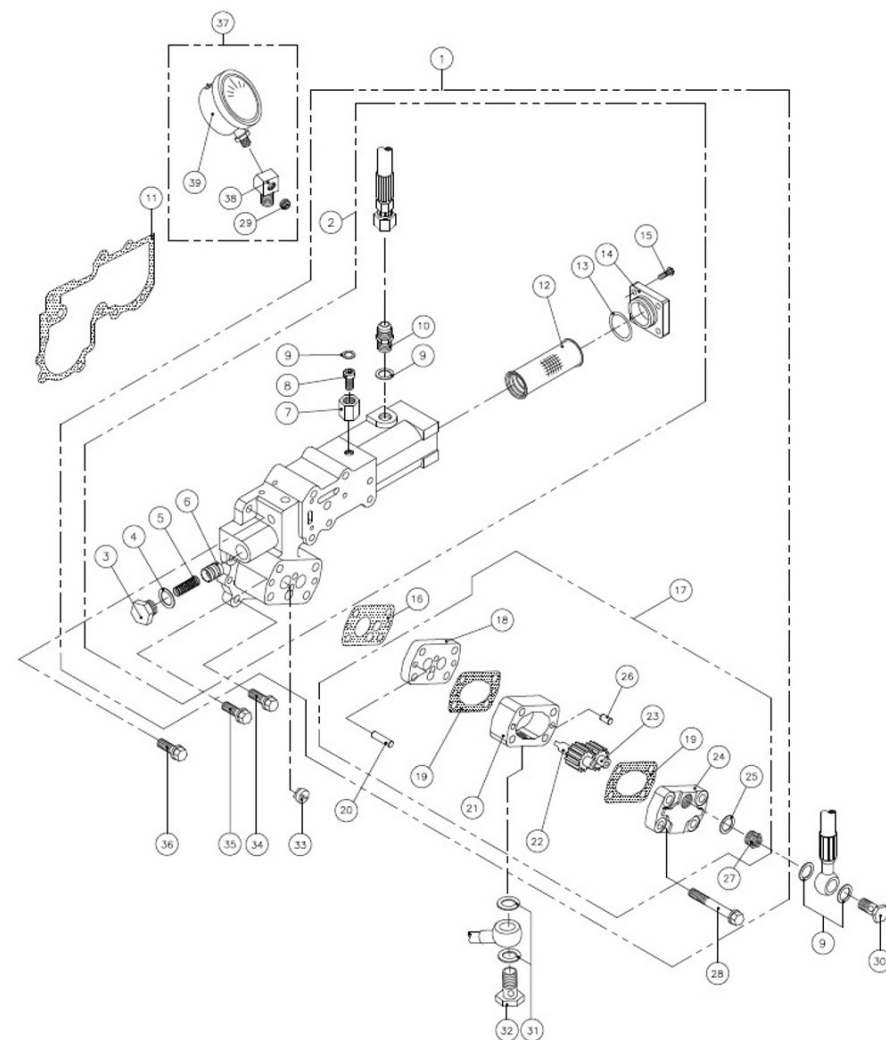
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	243D5007	1	Gasket			
2	243D5033	2	Screw			
3	243D5034	1	Cover			
4	243D5035	4	Screw			
5	24300006	2	O-Ring			
6	243D5036	1	Air Breather			
7	243D5037	1	Oil Gauge Assy			
8	243D5038	1	Case Assy			
9	243D5039	1	Gasket, Case			
10	243D5002	1	Gasket			
11	243D5040	4	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

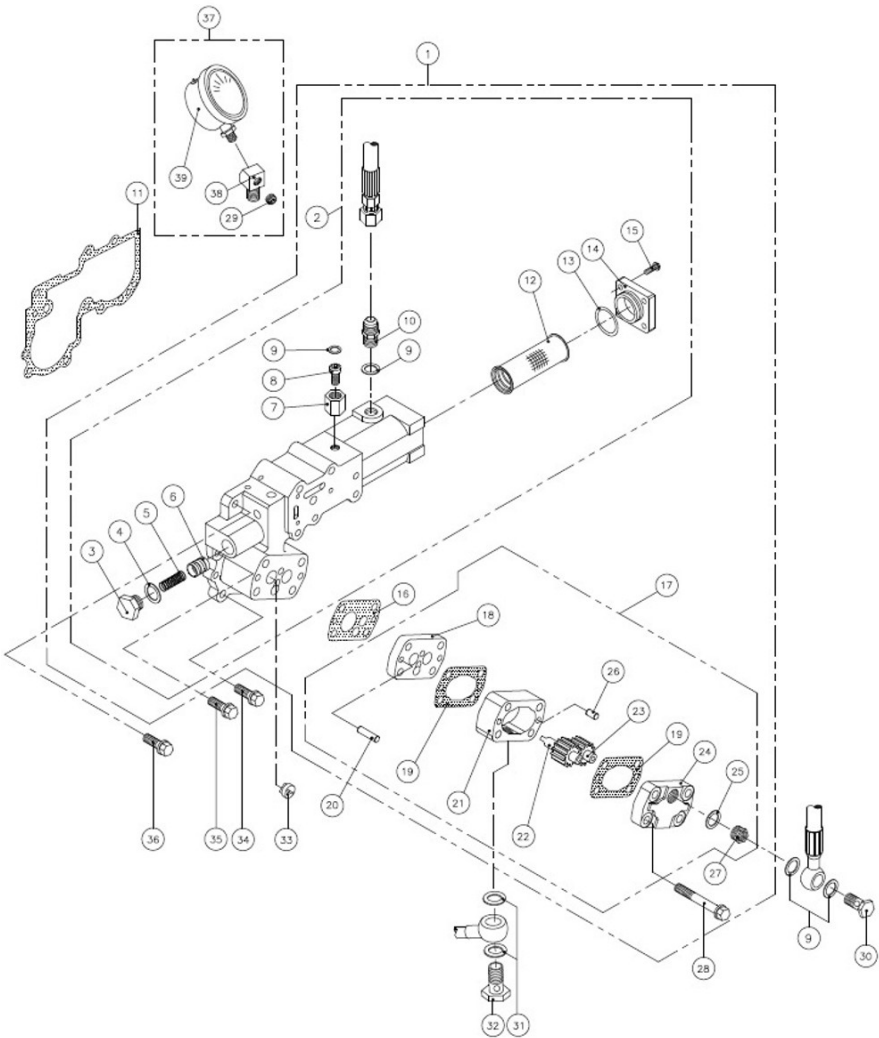
Sheet 5/8

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			



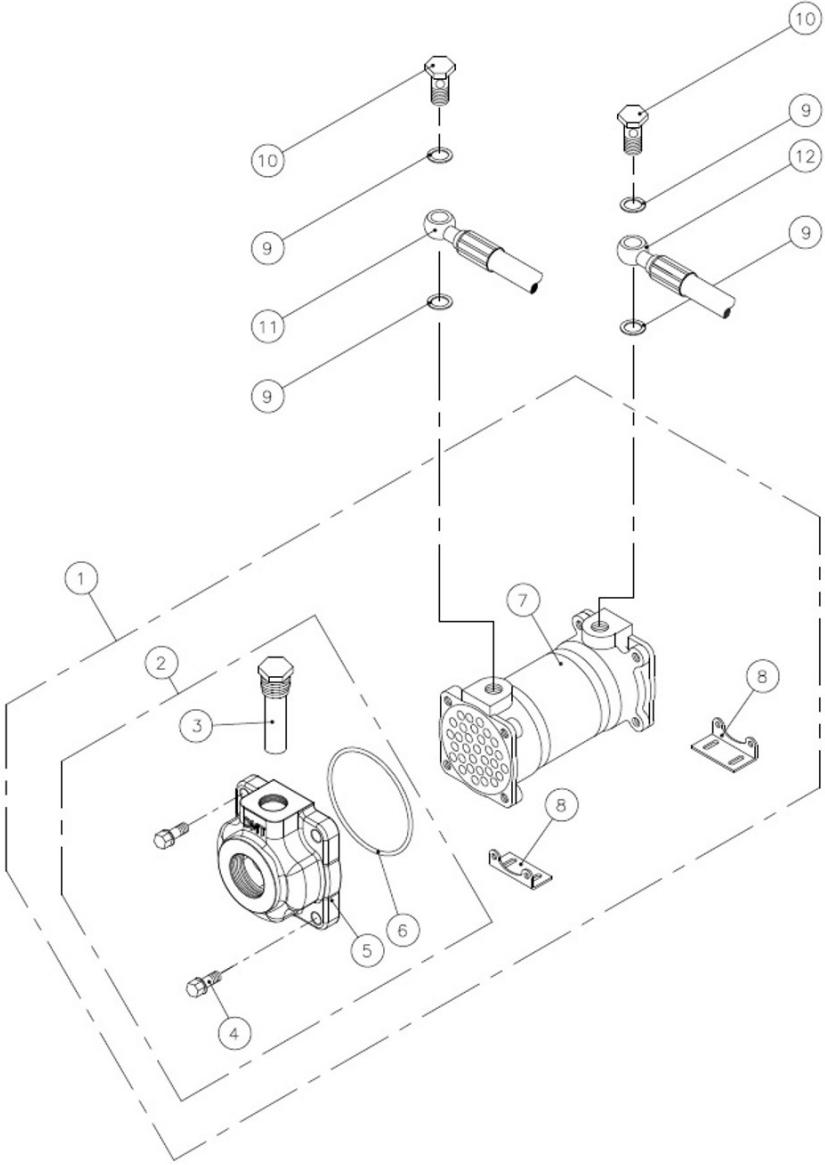
D_50DB_5		Sheet 5/8			
Fig.	Ref.	Qty.	Descr.	Obs	From UpTo

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		



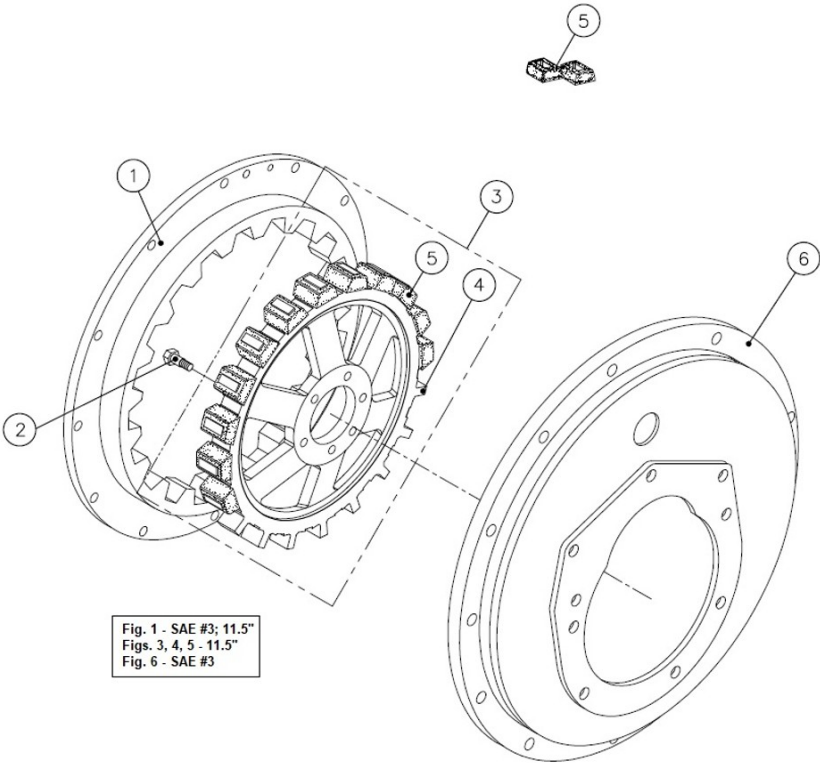
D_50DB_6 Sheet 6/8

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

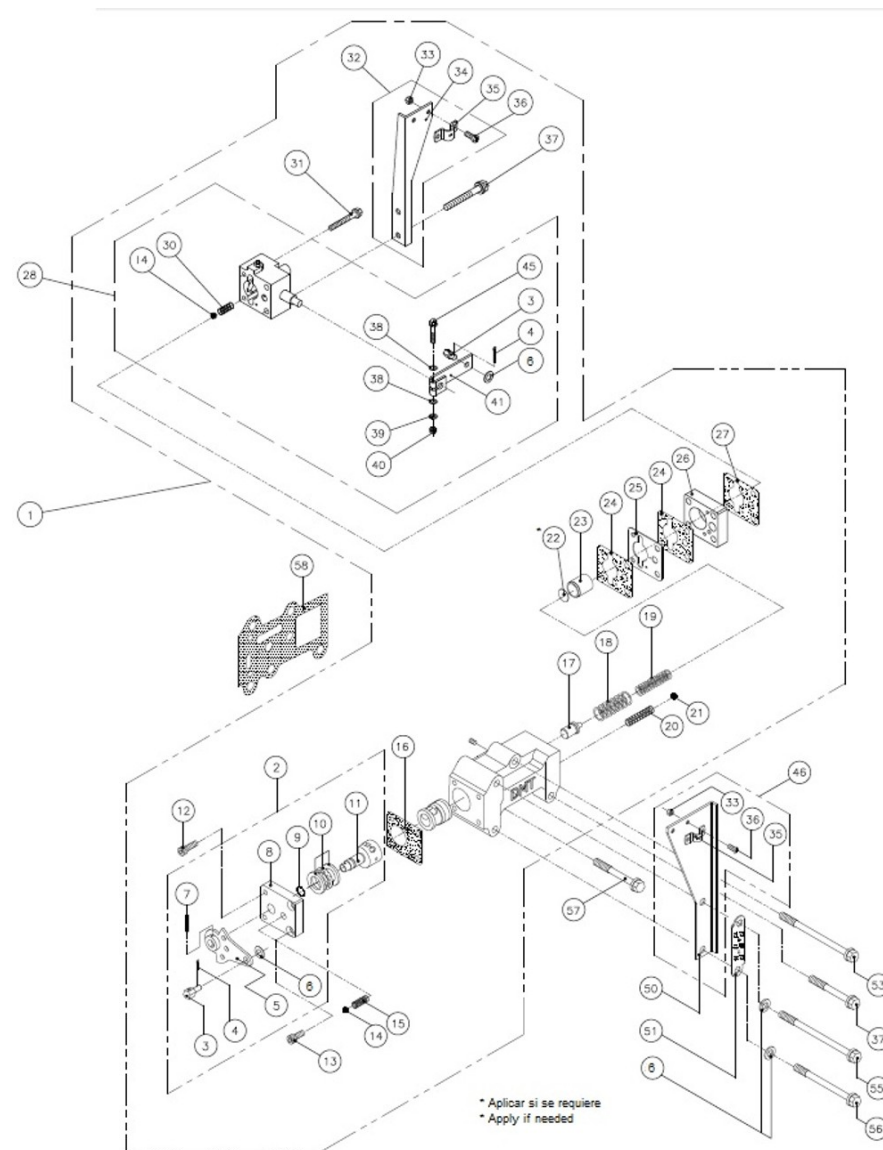
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	243D5065	1	Ring, Driving			
2	243D5066	6	Bolt, Reamer			
3	243D5067	1	Spider, Drive Assy			
4	243D5068	1	Spider, Drive			
5	243D5001	12	Rubber Stops			
6	243D5069	1	Housing, Flywheel			



D_50DB_8

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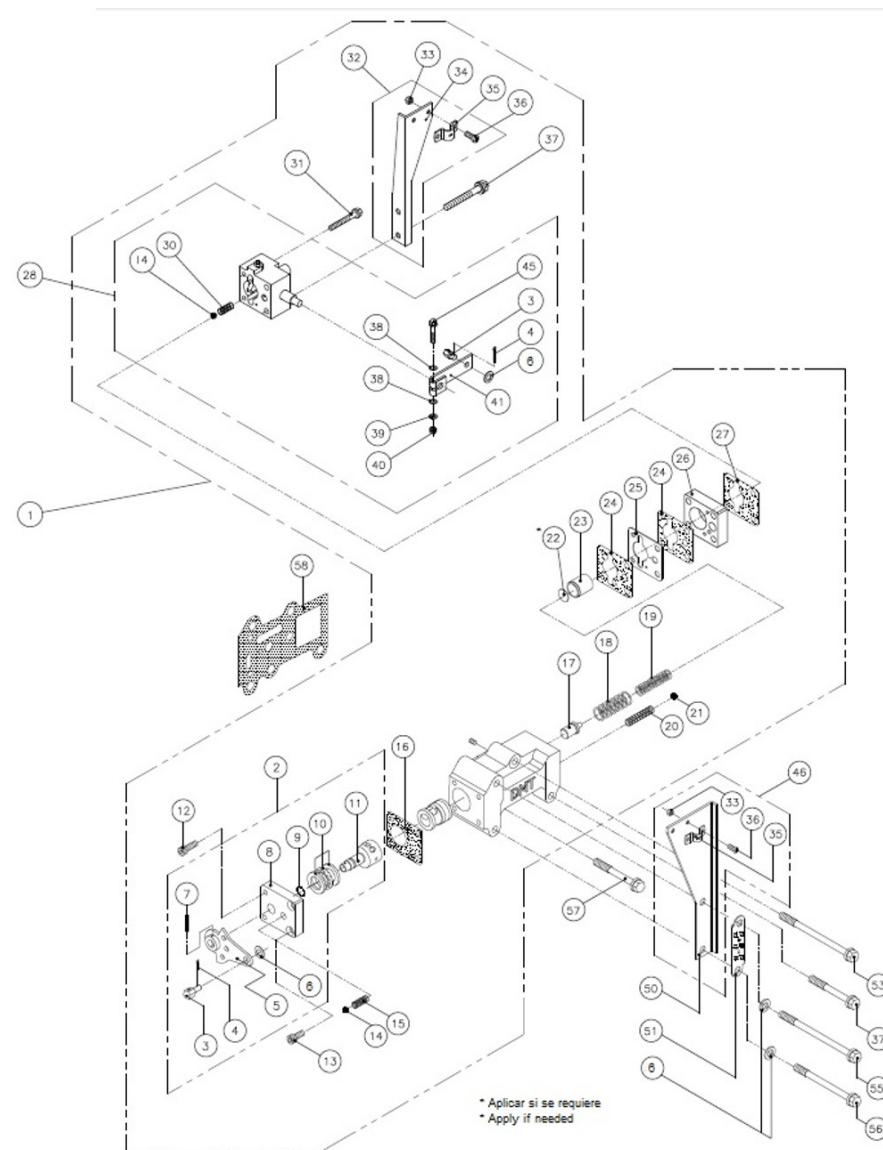
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	243D5433	1	Trolling Valve Group			
2	243D5434	1	Lever Group			
3	243D5435	2	Pin, Cable			
4	243D5436	2	Pin, Split			
5	243D5437	1	Lever Assy			
6	243D5438	4	Washer			
7	243D5439	1	Pin, Spring			
8	243D5440	1	Cover, Valve			
9	243D5441	1	O-Ring			
10	243D5442	1	Bearing, 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			



D_50DB_8

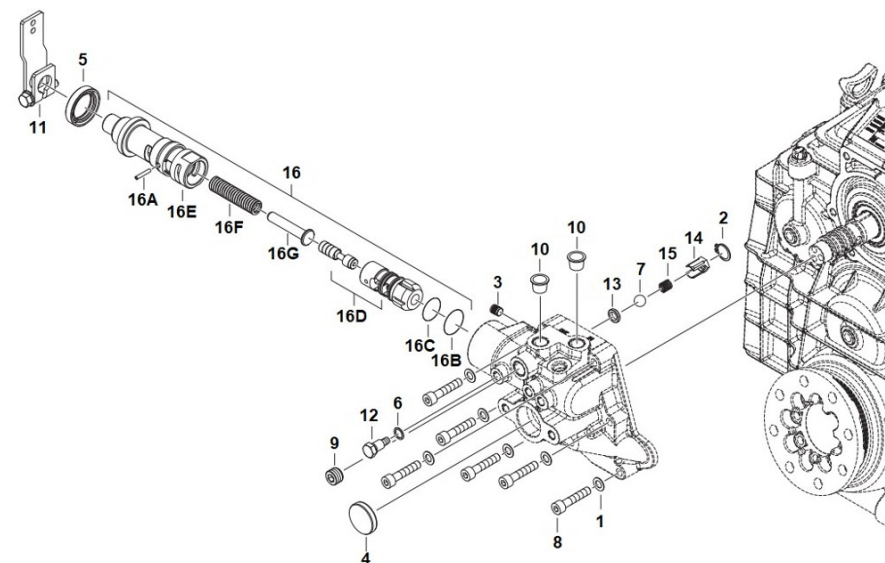
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Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
33	243D5463	4	Nut			
34	243D5464	1	Bracket, Trolling			
35	243D5465	2	Clamp			
36	243D5466	4	Screw			
37	243D5467	3	Screw			
38	243D5468	2	Washer			
39	243D5469	1	Washer, Spring			
40	243D5470	1	Nut			
41	243D5471	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			



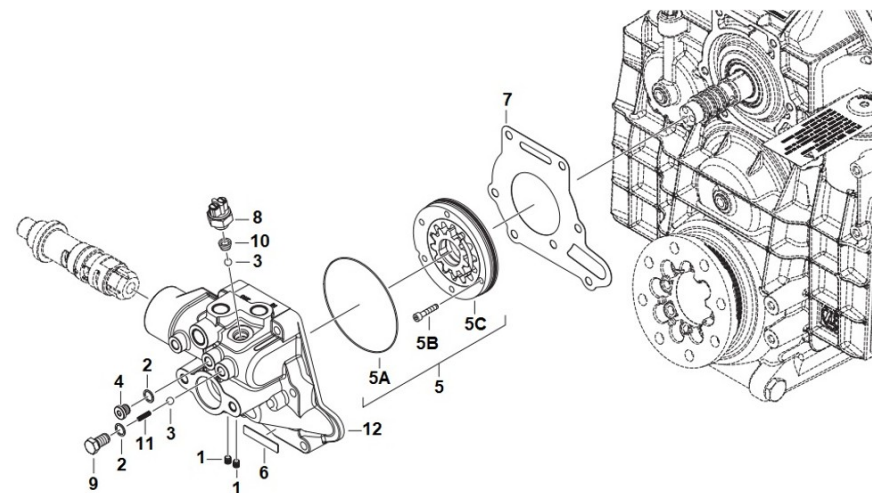
D_ZF68_1 Sheet 1/5

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			



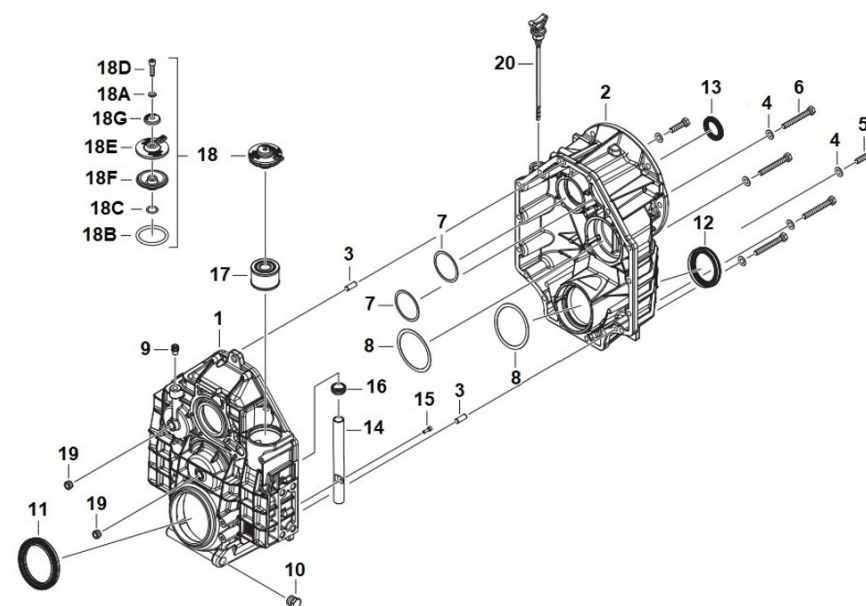
D_ZF68_2 Sheet 2/5

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			



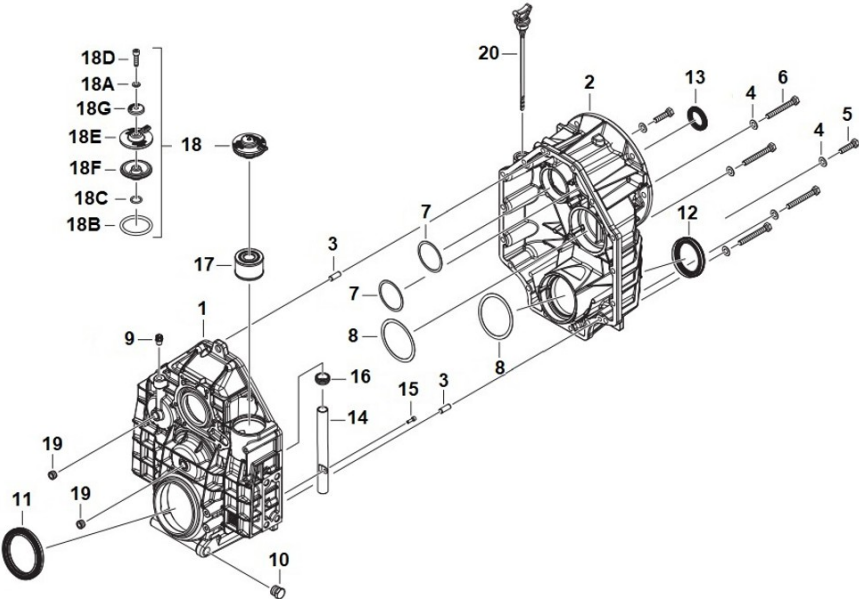
D_ZF68_3 Sheet 3/5

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			



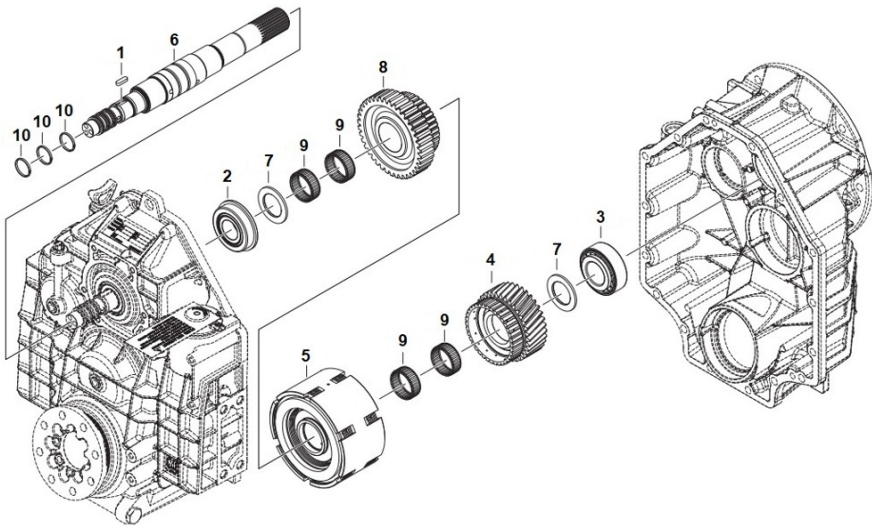
D_ZF68_3 Sheet 3/5

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



D_ZF68_4 Sheet 4/5

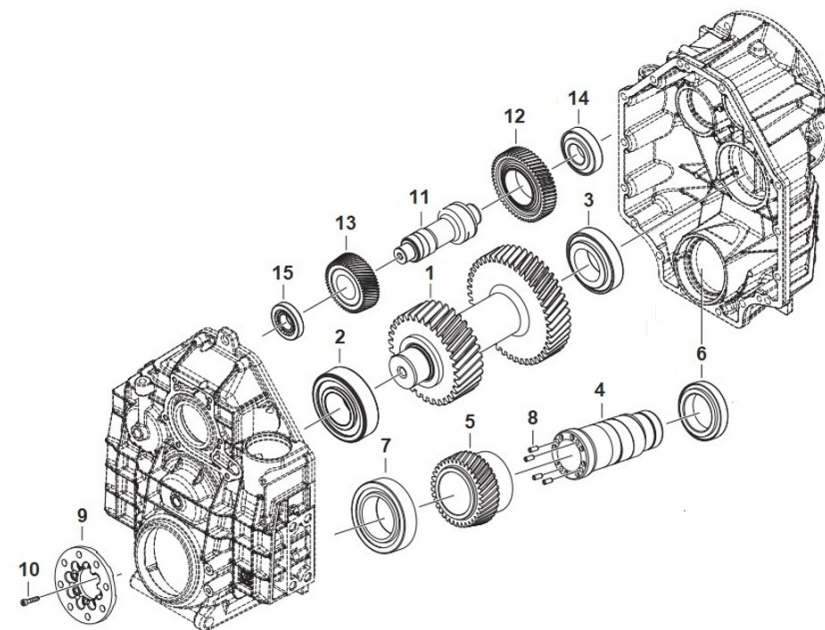
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	Z0631501062	1	Fitted Key			
2	Z0635501937	1	Ta.Roller Bearing			
3	Z0635501940	1	Ta.Roller Bearing			
4	Z3312302103	1	Gear			
5	Z3312202102	1	Clutch Cylinder			
6	Z3312302001	1	Input Shaft			
7	Z3312302004	2	Thrust Washer			
8	Z3312302104	1	Gear			
9	Z3312302040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



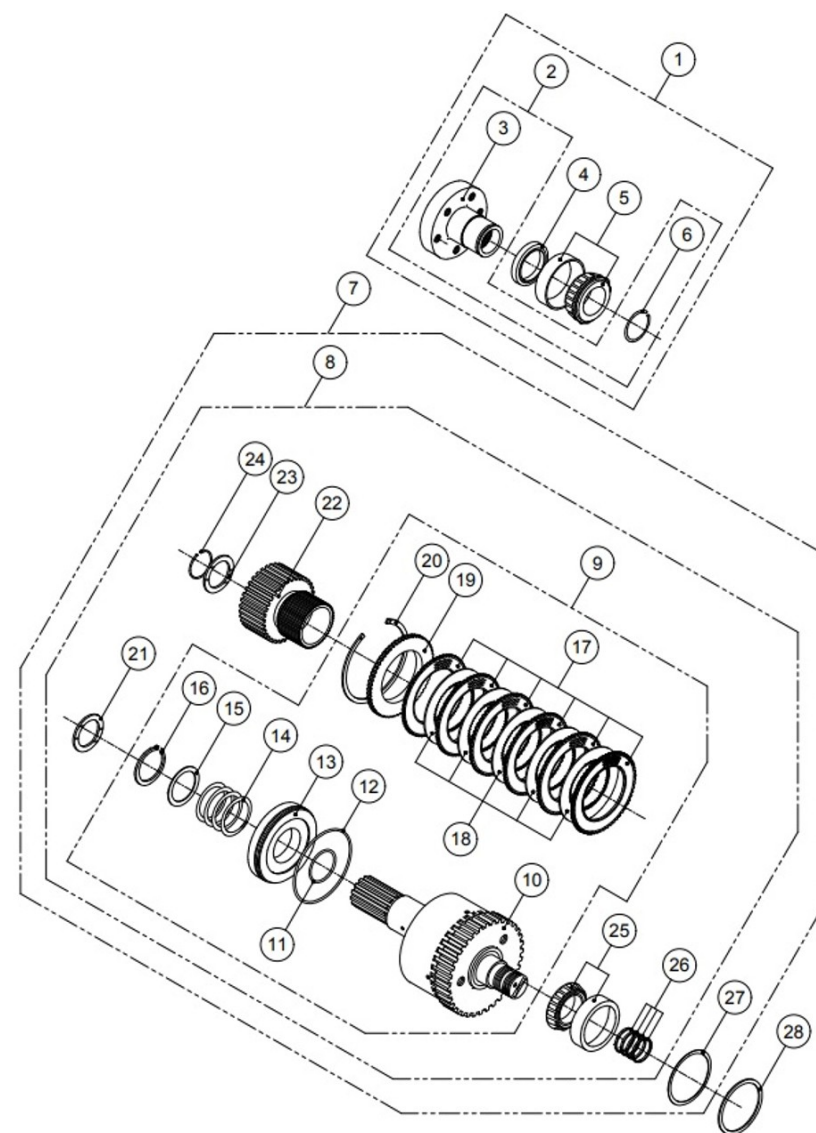
D_ZF68_5

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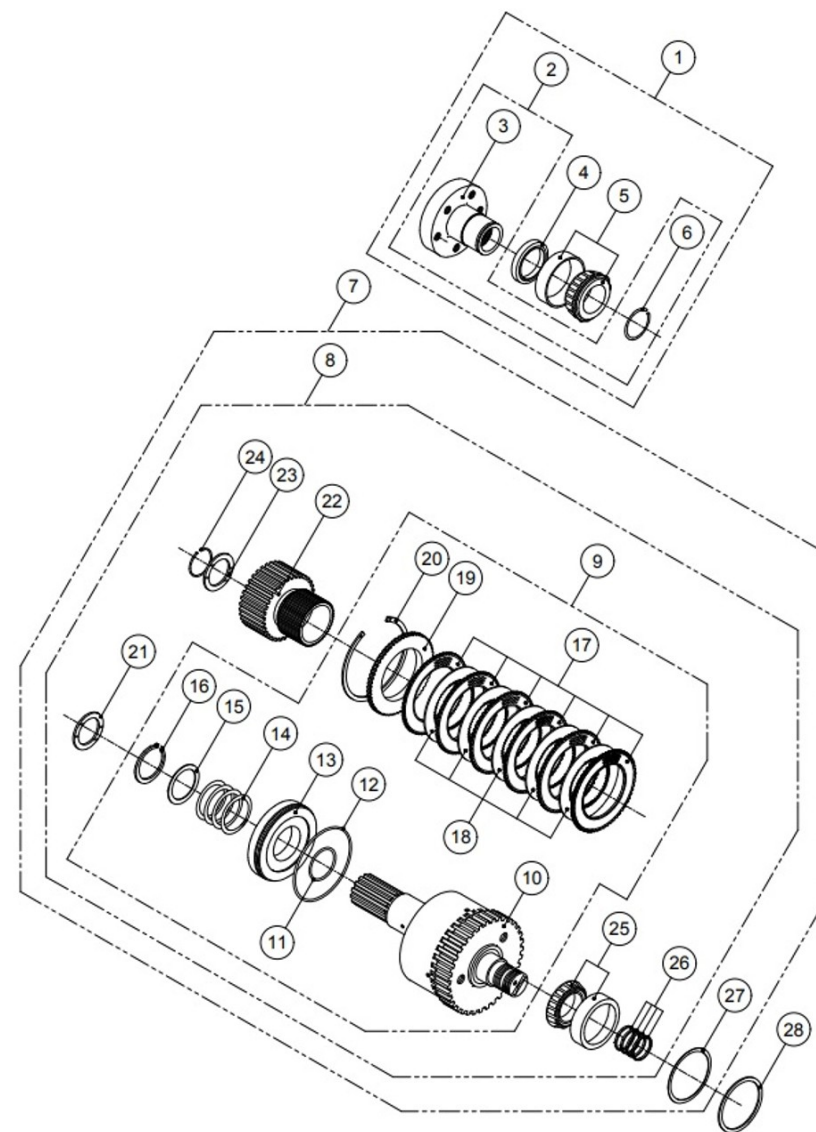
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1A	Z3312303105	1	Intermediate Shaft Z/Z=45/32 R:1.56			
1B	Z3312303107	1	Intermediate Shaft Z=36 R:1.29			
1BC	Z3312303106	1	Gear Z=45 R:1.29 / 1.99 / 2.48			
1C	Z3312303109	1	Intermediate Shaft Z=27 R:1.99 / 2.48			
2	Z0635501941	1	Ta.Roller Bearing			
3	Z0735302485	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			



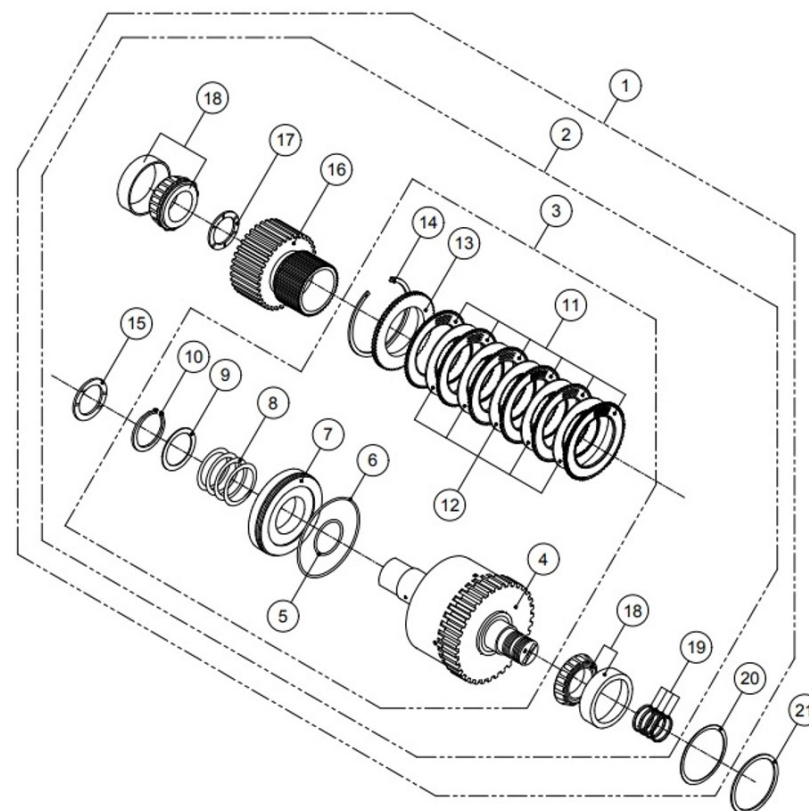
D_DMT50A_01		Input Shaft Group				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	DST050008	1	Input Coupling ASS'Y			
2	DAS050008	1	Input Coupling ASS'Y			
3	43300001	1	Input Coupling Assy			
4	DD06509010	1	Seal, Oil			
5	43300003	1	Bearing, Taper Roller			
6	43300004	1	Retainer			
7A	DAS050100A	0	Input Shaft 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			



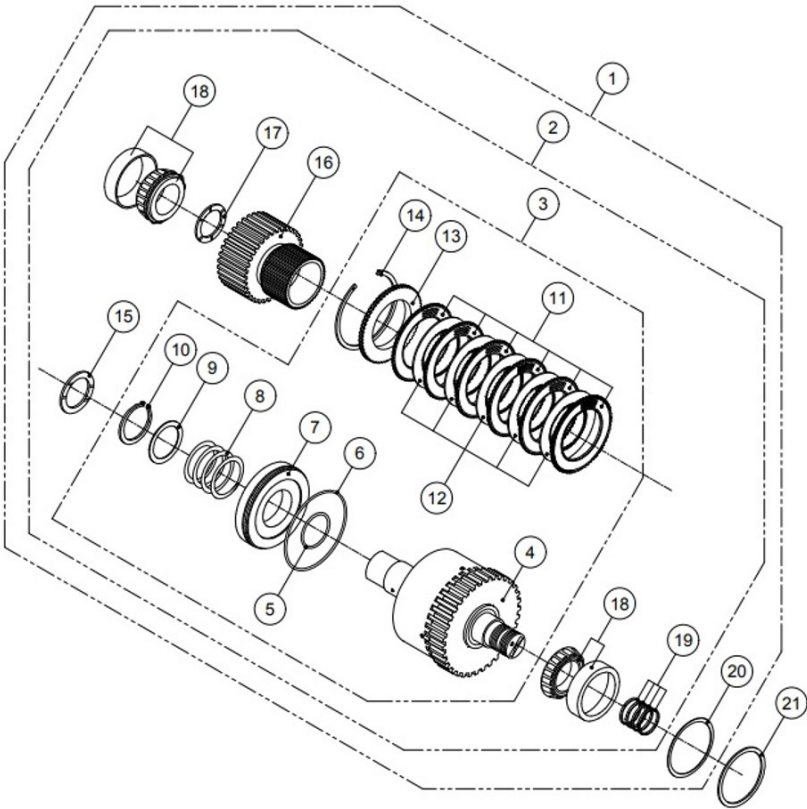
D_DMT50A_01		Input Shaft Group				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
22A	D050108A	0	Pinion, ASS'Y G.R 1.61	#		
22B	D050108B	0	Pinion, ASS'Y G.R 2.06	#		
22C	D050108C	0	Pinion, ASS'Y G.R 2.45	#		
22D	D050108D	0	Pinion, ASS'Y G.R 2.82	#		
22E	D050108E	0	Pinion, ASS'Y G.R 3.12	#		
22F	D050108F	0	Pinion, 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			



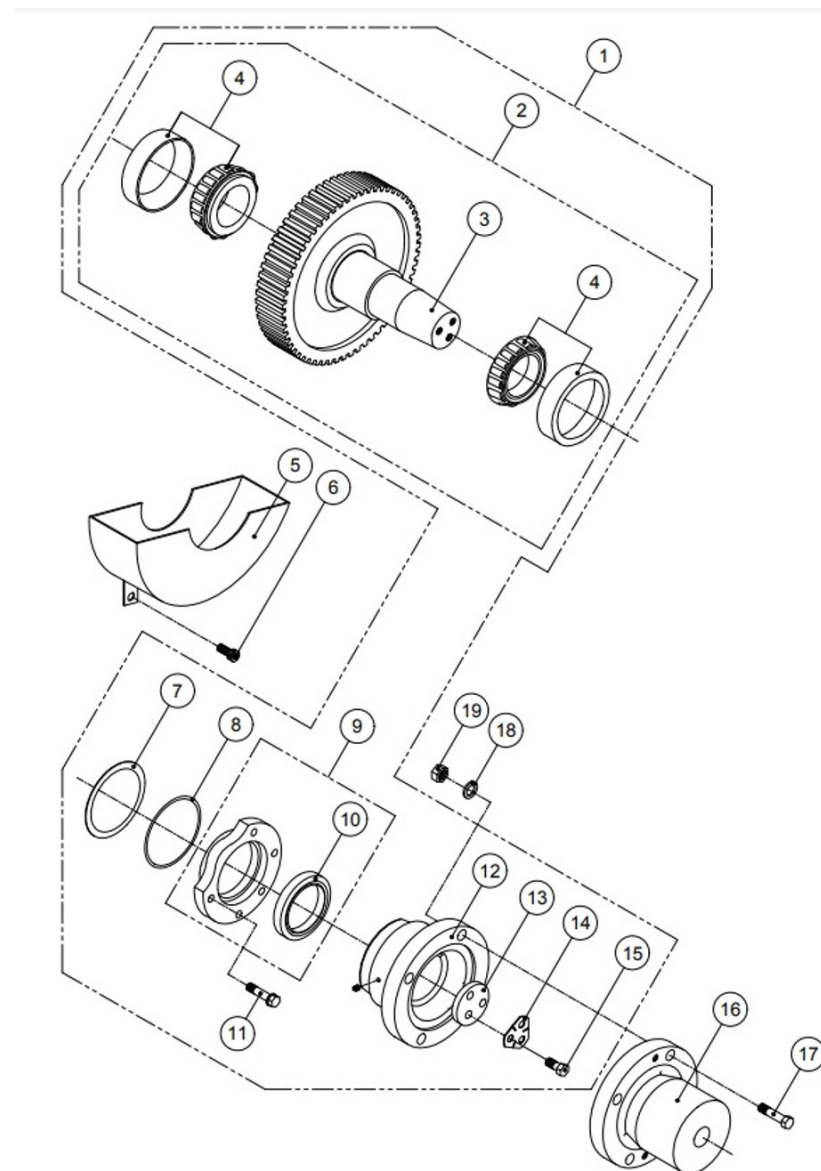
D_DMT50A_02		Astern Shaft Group				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1A	DAS050200A	0	Astern Shaft Group G.R 1.61	#		
1B	DAS050200B	0	Astern Shaft Group G.R 2.06	#		
1C	DAS050200C	0	Astern Shaft Group G.R 2.45	#		
1D	DAS050200D	0	Astern Shaft Group G.R 2.82	#		
1E	DAS050200E	0	Astern Shaft Group G.R 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			

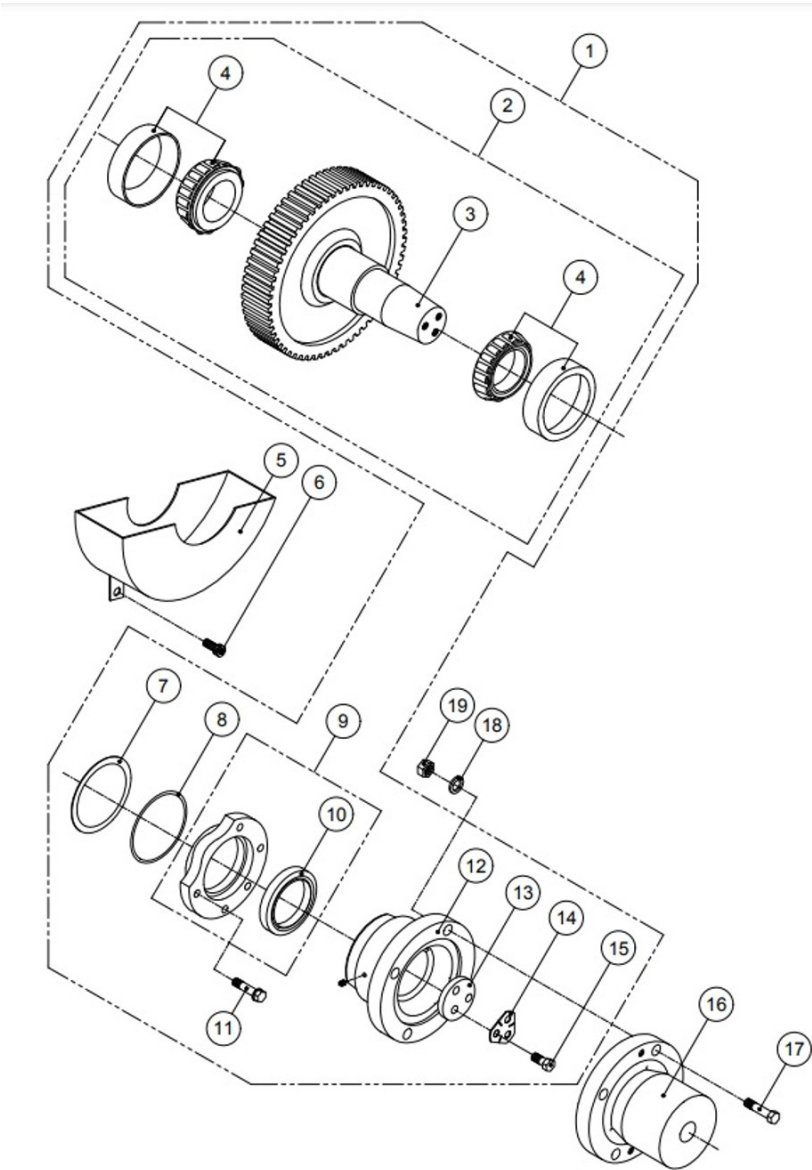


D_DMT50A_03		Output Shaft Group				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1A	DST050301A	0	Output Shaft ASS'Y G.R 1.61	#		
1B	DST050301B	0	Output Shaft ASS'Y G.R 2.06	#		
1C	DST050301C	0	Output Shaft ASS'Y G.R 2.45	#		
1D	DST050301D	0	Output Shaft ASS'Y G.R 2.82	#		
1E	DST050301E	0	Output Shaft ASS'Y G.R 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			

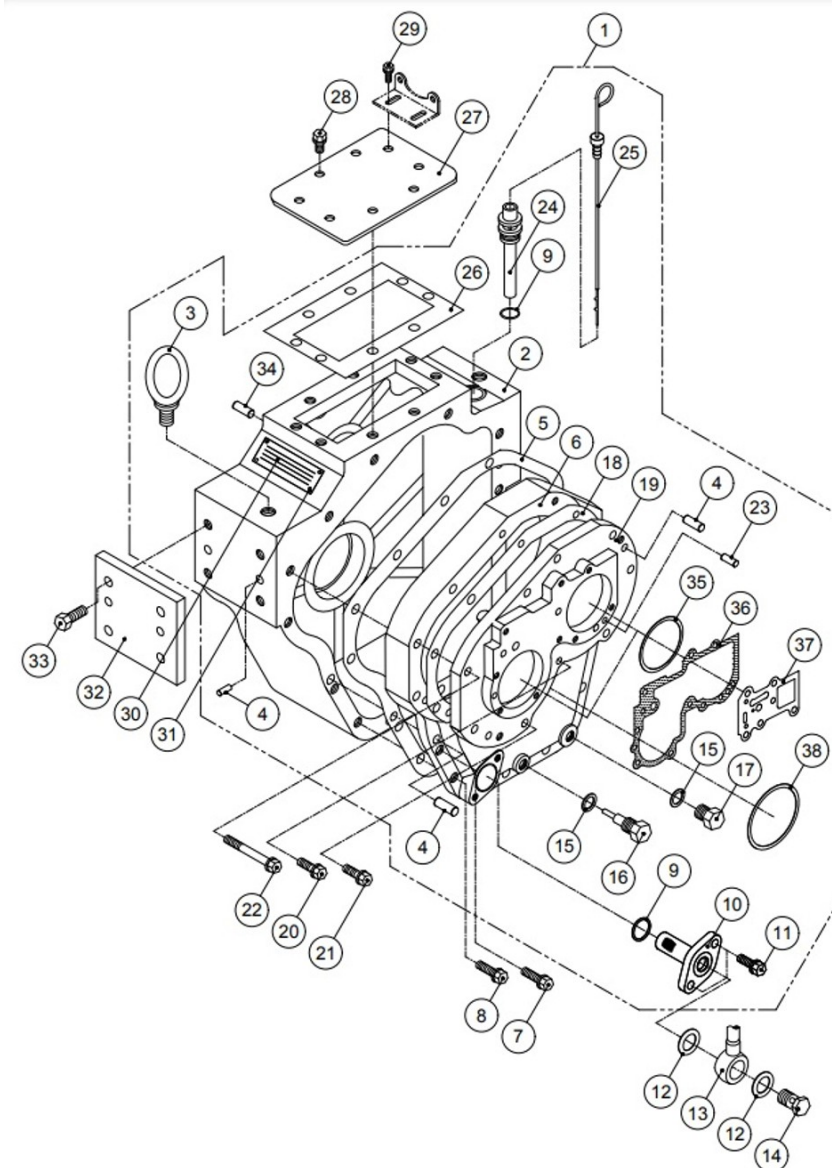


D_DMT50A_03 Output Shaft Group

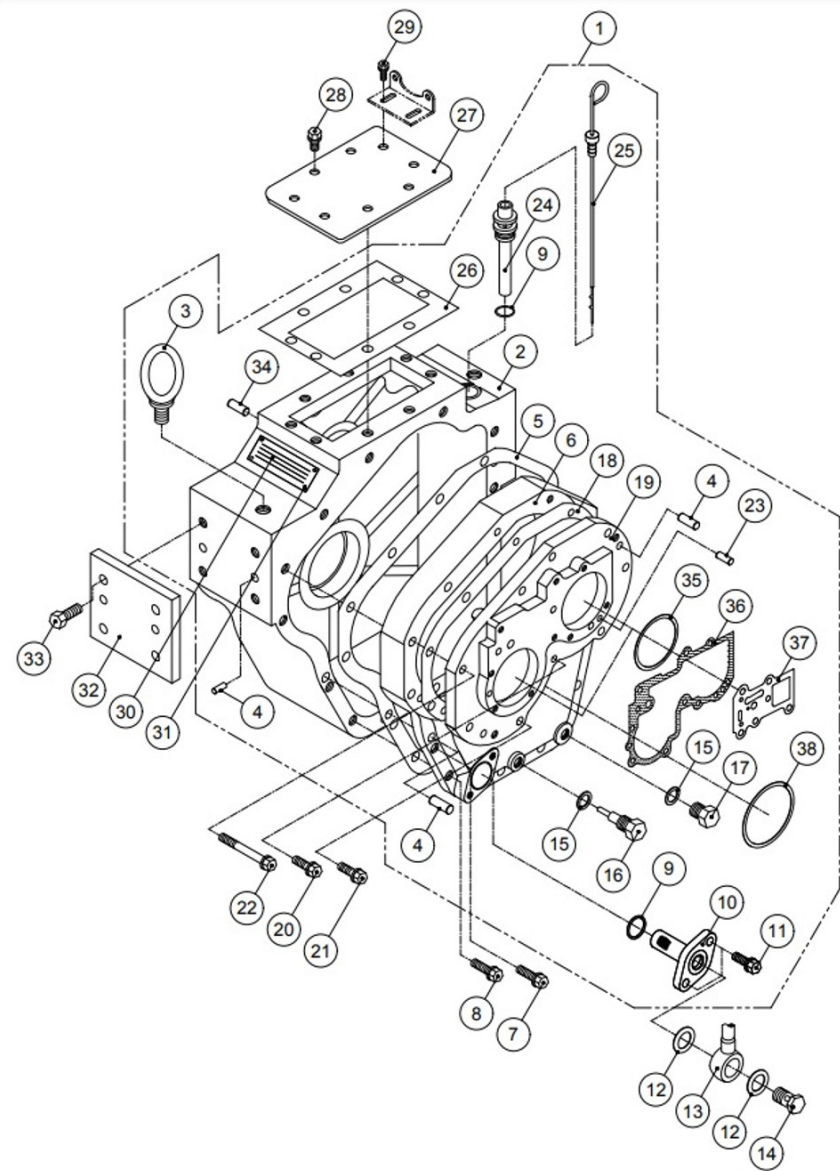
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
17	43300050	4	Bolt, Reamer			
18	43300051	4	Washer, Spring			
19	43300052	4	Nut			



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			



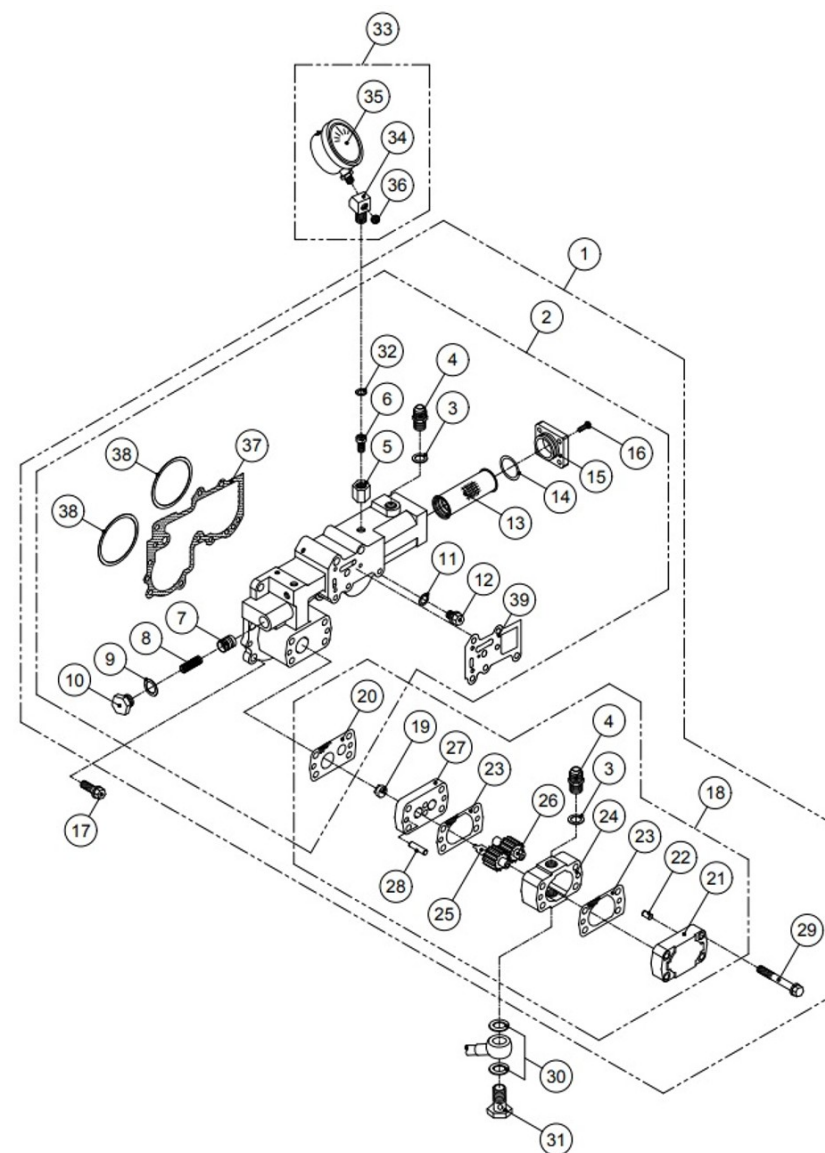
D_DMT50A_04		Case Group				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
32	43300076	2	Bracket			
33	DA12150030	8	Screw			
34	243B0058	2	Pin, Dowel			
35	43301025	10	Shim			
36	43306016	1	Gasket, Manifold			
37	43305070	1	Gasket, Selector Valve			
38	43300039	5	Shim			



D_DMT50A_05

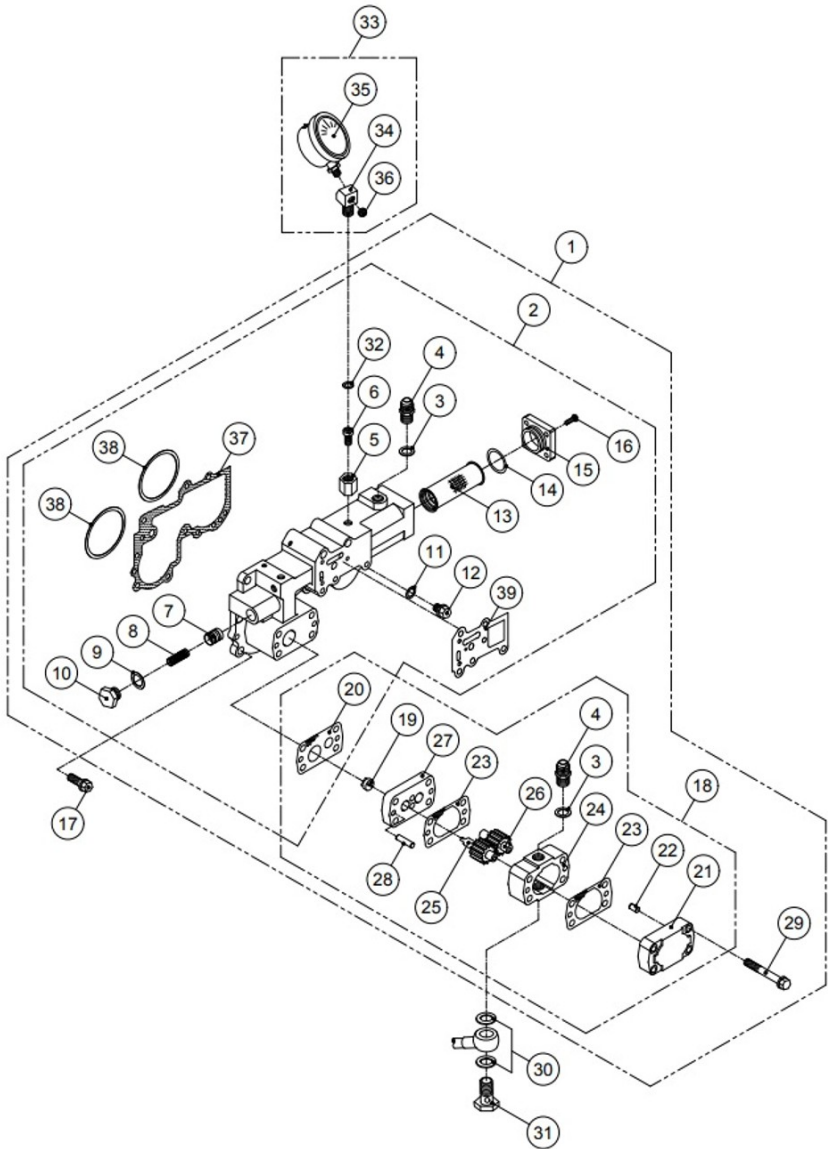
Manifold Group

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

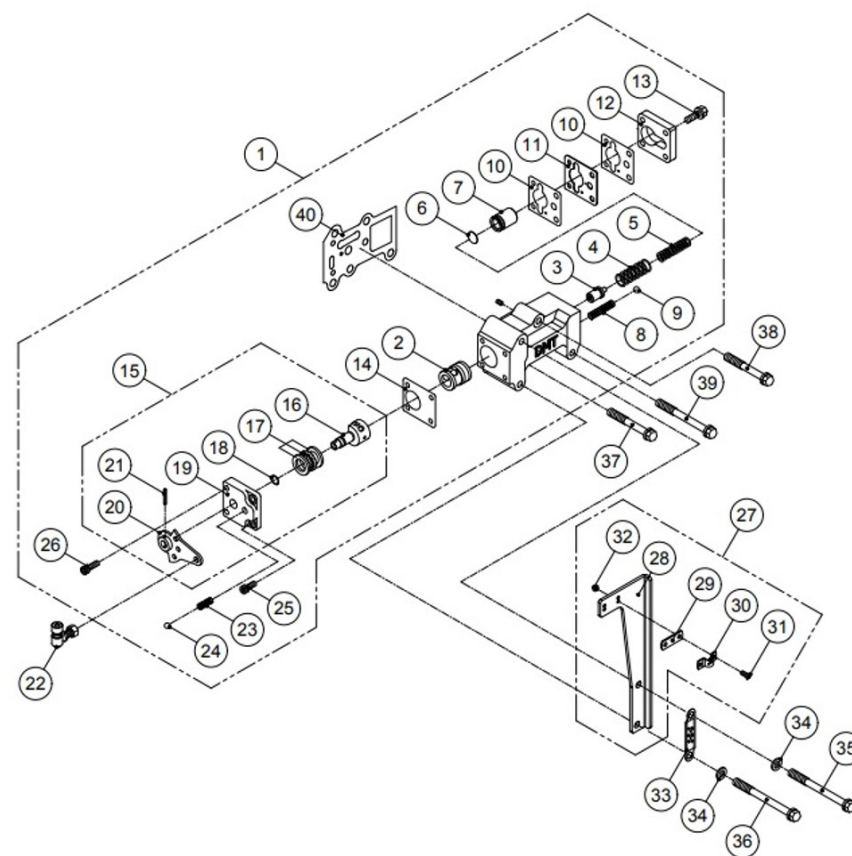
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
32	243D5050	1	Screw			
33	243B0529	1	Pressure Gauge Assy			
34	243D5430	1	Adaptor			
35	243B0530	1	Pressure Gauge			
36	243B0532	1	Plug			
37	43306016	1	Gasket, Manifold			
38	43301025	10	Shim			
39	43305070	1	Gasket, Selector Valve			



D_DMT50A_06

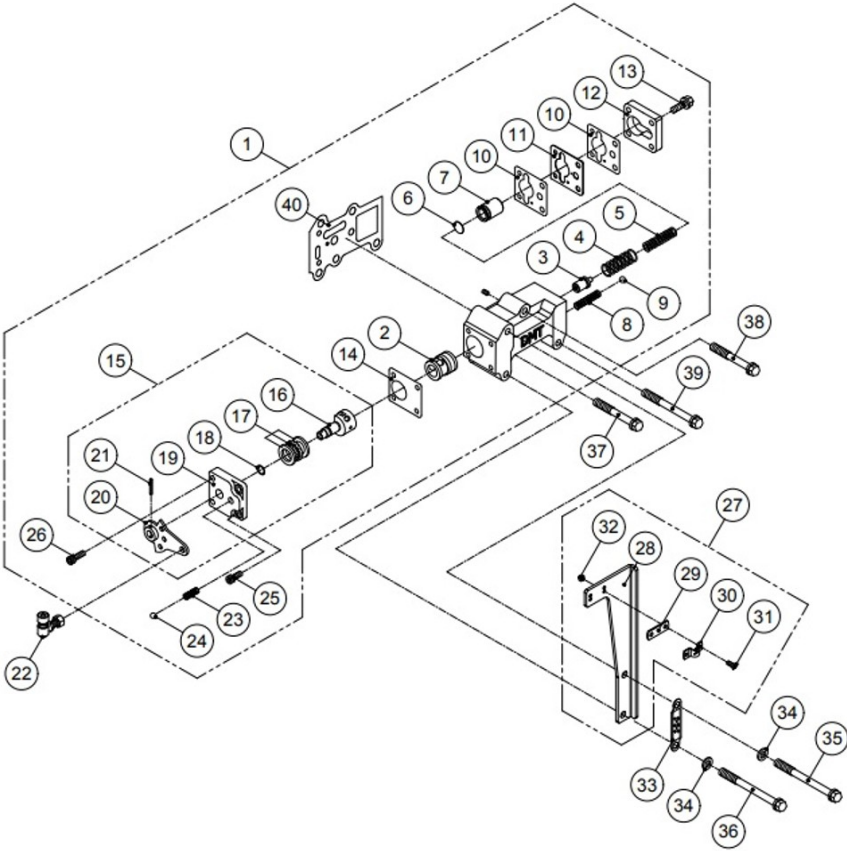
Selector Valve Group

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

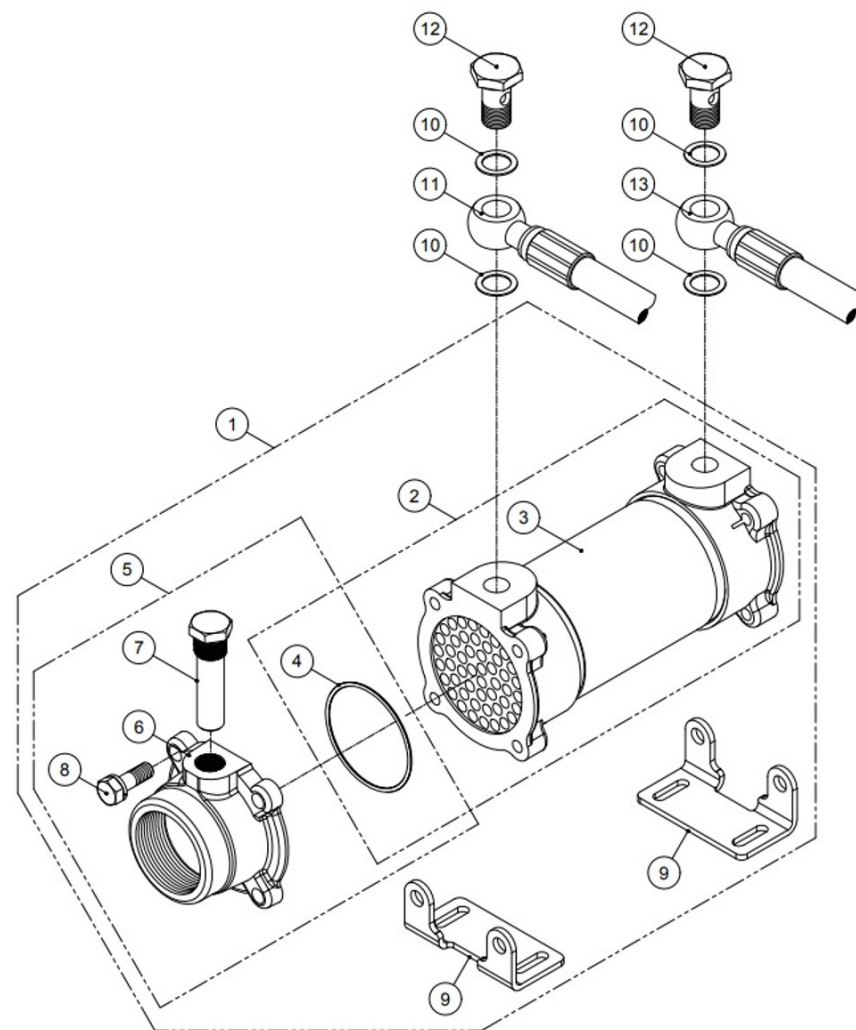
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
32	243B0569	2	Nut			
33	243D5475	1	Plate, Position Name			
34	243B0540	2	Washer			
35	DB08125135	1	Screw			
36	243B0564	1	Screw			
37	243B0562	1	Screw			
38	DB08125105	1	Screw			
39	243B0563	1	Screw			
40	43305070	1	Gasket, Selector Valve			



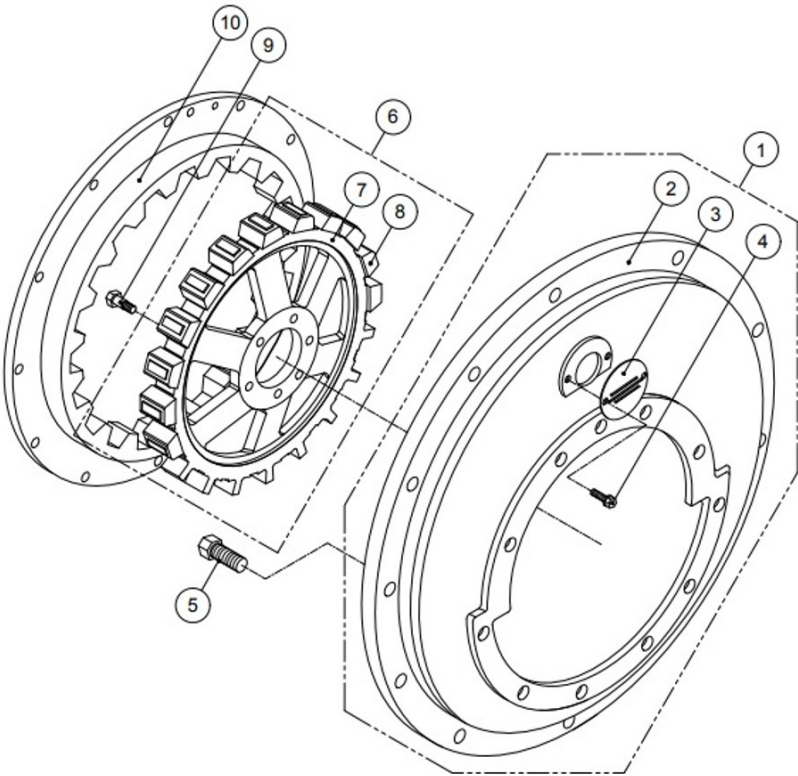
D_DMT50A_07

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			



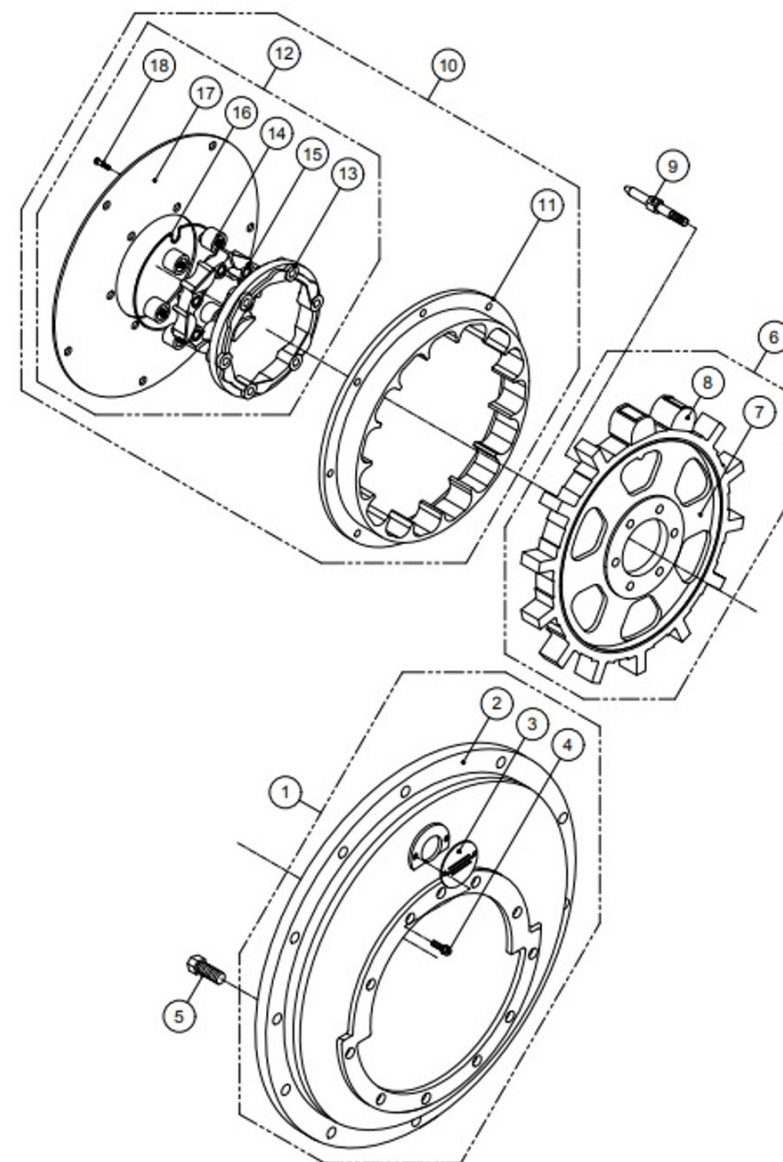
D_DMT50A_08		Option Group				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	243M0021	1	Housing, Flywheel Assy SAE 3			
2	43306043	1	Housing, Flywheel			
3	243B0068	1	Cover, Check			
4	243B0069	2	Screw			
5	24350040	10	Screw			
6	D050804G	1	Spider, Drive ASS'Y 11.5"			
7	D050804	1	Spider, Drive 11.5"			
8	D050803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



D_DMT50A_09

Dual Stage Coupling

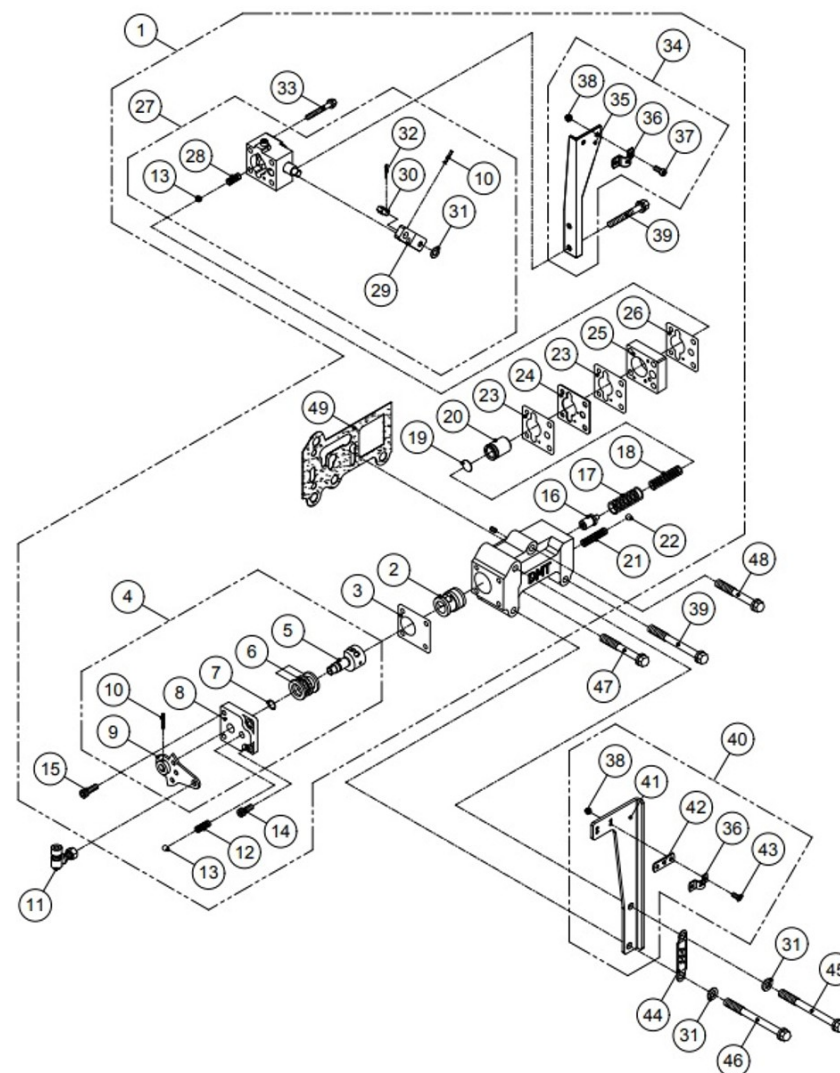
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	243M0021	1	Housing, Flywheel Assy SAE 3			
2	43306043	1	Housing, Flywheel			
3	243B0068	1	Cover, Check			
4	243B0069	2	Screw			
5	24350040	10	Screw			
6	43306038	1	Spider, Drive Assy			
7	43306039	1	Spider, Drive			
8	243M0001	12	Rubber Block			
9	D050805T	6	Bolt, 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

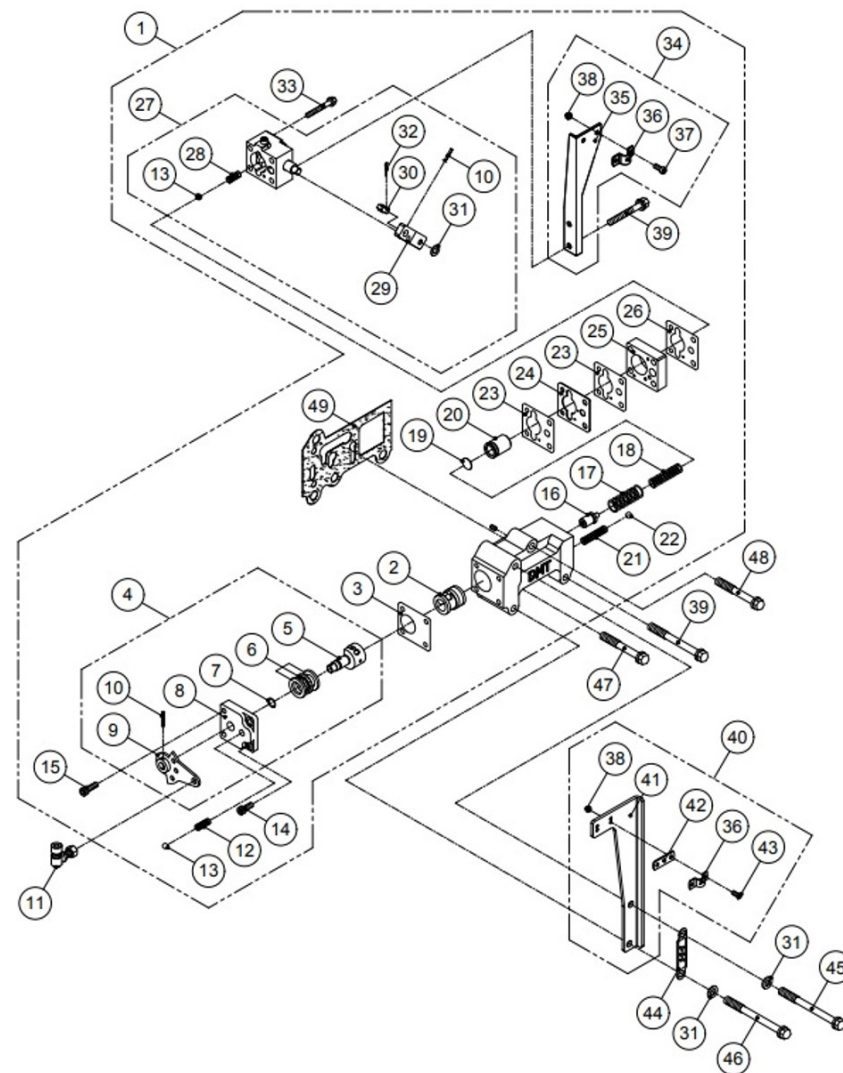
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	DST140500T	1	Trolling Valve Group			
2	D025514	1	Sleeve			
3	243D5448	1	Gasket, Valve Cover			
4	243B0536	1	Lever Group			
5	243D5443	1	Stem, Valve			
6	243D5442	1	Bearing, Thrust			
7	243B0543	1	O-Ring			
8	243D5440	1	Cover, Valve			
9	243D5437	1	Lever Assy			
10	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

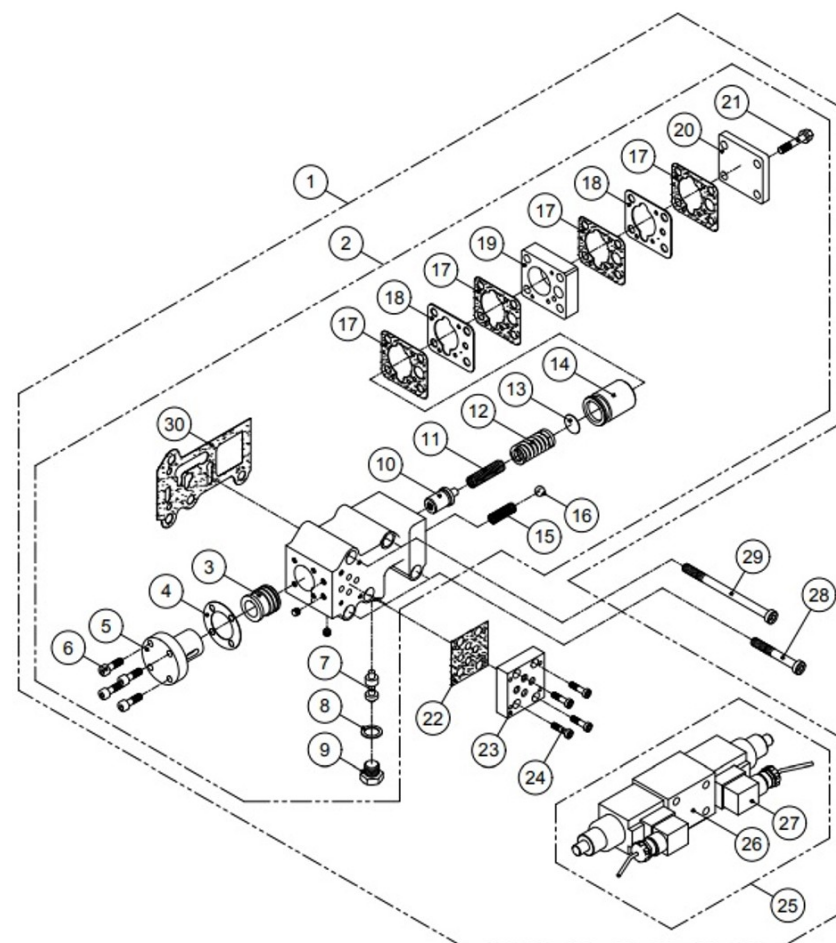
Trolling Valve Group

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			

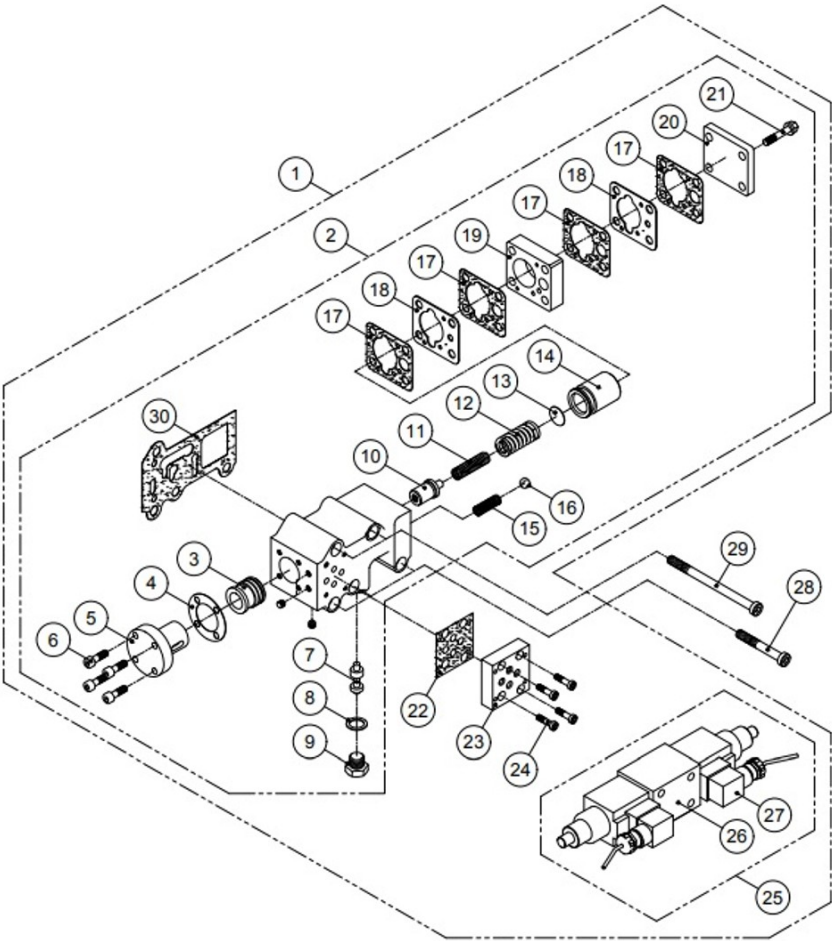


D_DMT50A_11 Electric Valve Group

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			



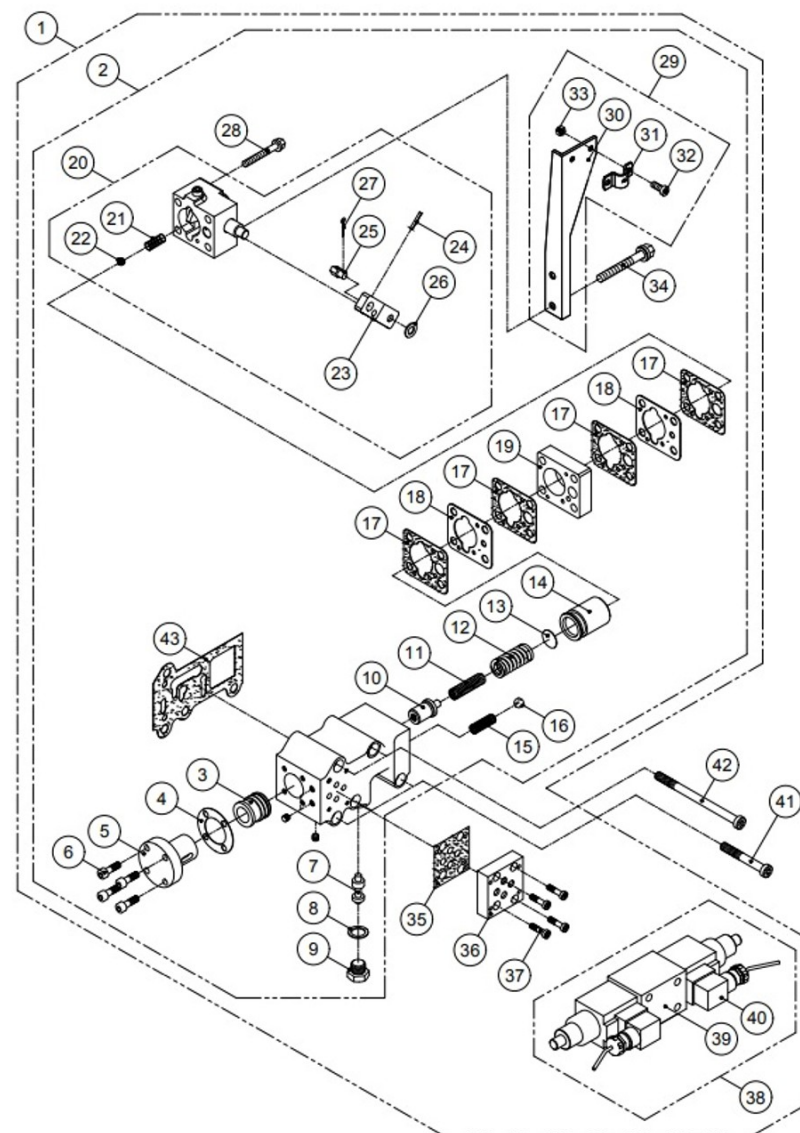
D_DMT50A_11 Electric Valve Group					
Fig.	Ref.	Qty.	Descr.	Obs	From UpTo
28	DC08125070	3	Screw, Socket		
29	DC08125120	2	Screw, Socket		
30	43305070	1	Gasket, Selector Valve		



D_DMT50A_12

Electric Valve Group

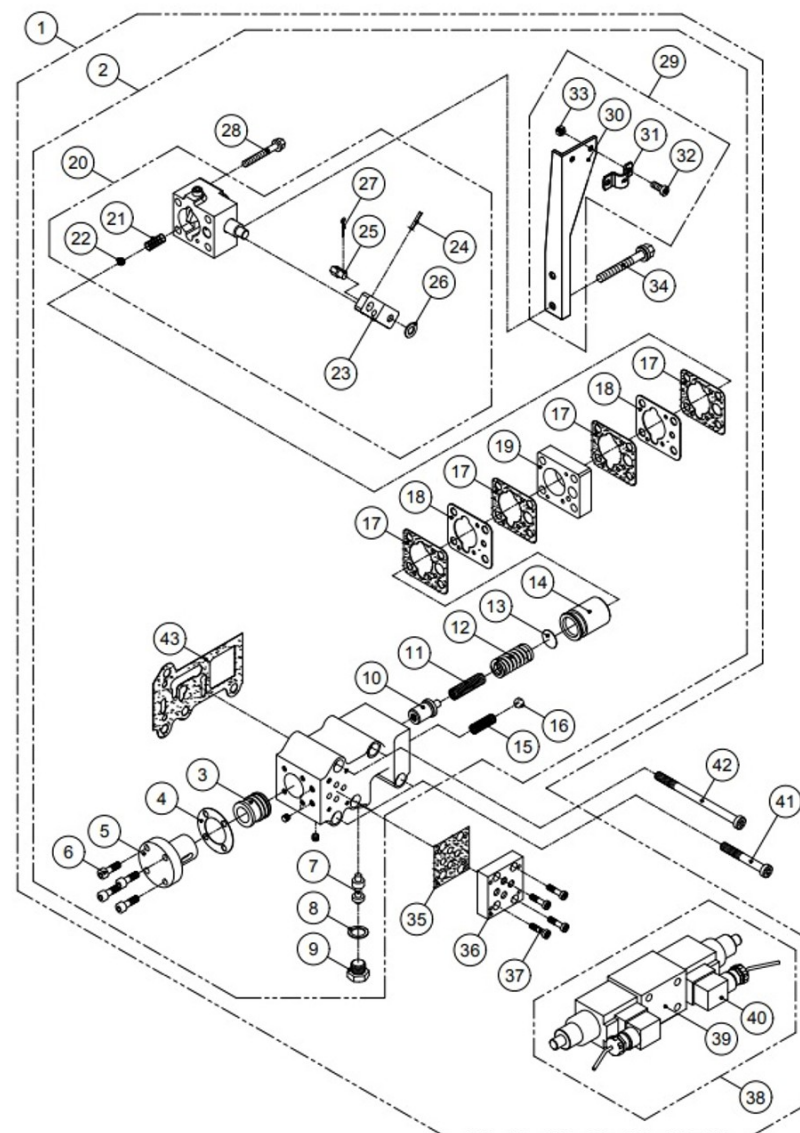
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1A	DST140580	1	Electric Valve			
1B	DST140590	1	Electric Valve			
2	DAS140580	1	Electric Valve Ass'Y			
3	D025514	1	Sleeve			
4	D240506	1	Gasket, Core			
5	D240504	1	Core, Electron Valve			
6	243B0546	4	Screw, Socket			
7	D240503	1	Valve, Directional Control			
8	243D5050	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

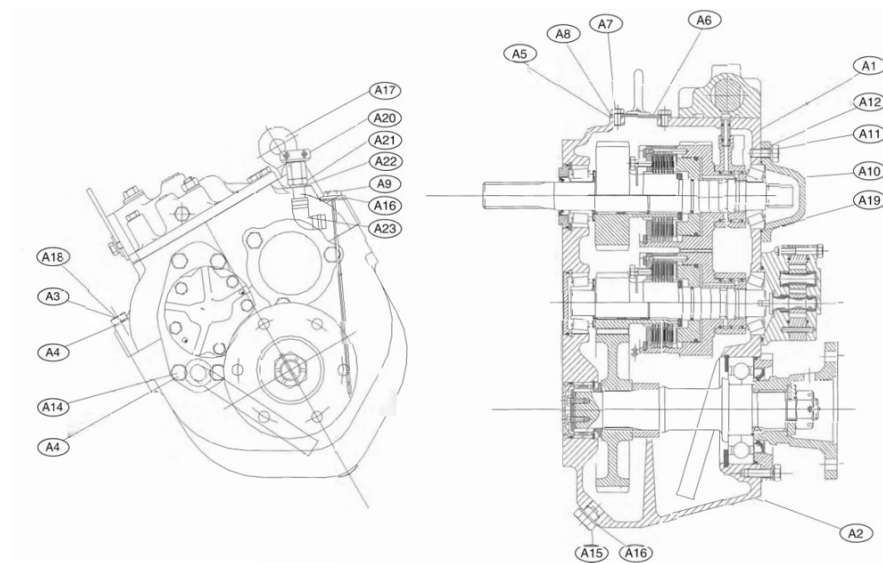
Electric Valve Group

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			



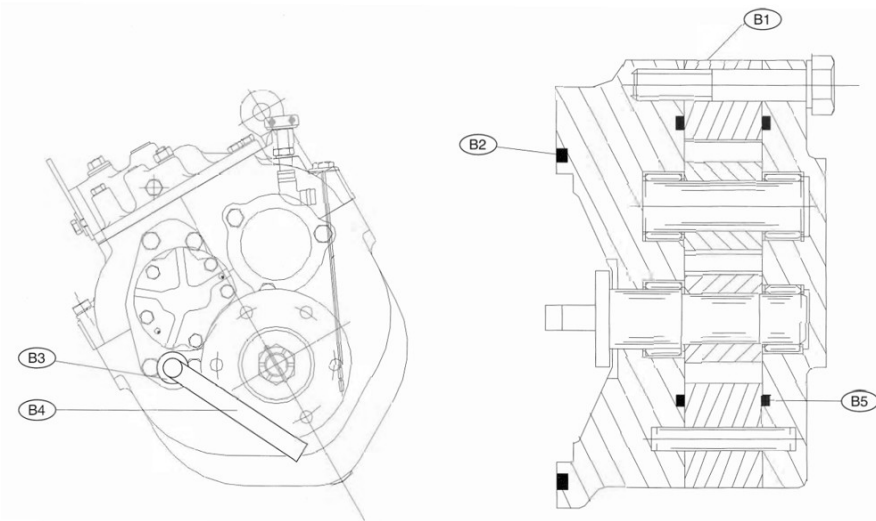
D_50P2_1 **Gearcase Assembly**

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
0A	24220042	1	Case Sub-Assembly			
1A	24245001	1	Gearcase Top			
2A	24245002	1	Gearcase Bottom			
3A	24245003	6	Bolt			
4A	24220045	11	Washer			
5A	24220046	1	Gasket			
6A	24220047	1	Top Cover			
7A	24220048	10	Screw			
8A	24220049	10	Washer			
9A	24220050	1	Dispstick			
10A	24220051	1	End Cover			
11A	24220052	3	Screw			
12A	24220053	3	Washer			
14A	24220054	4	Bolt			
15A	24220055	1	Drain Plug			
16A	24220066	2	Bonded Washer			
17A	24220057	1	Eyebolt			
18A	24220058	1	Bolt			
19A	24220061	1	O-Ring			
20A	24220062	1	Breather			
21A	24220063	1	Locknut			
22A	24220064	1	Washer			
23A	24220065	1	Breather Tube Assembly			



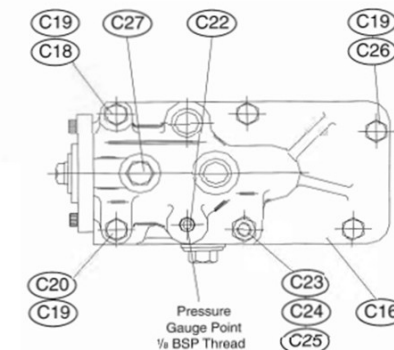
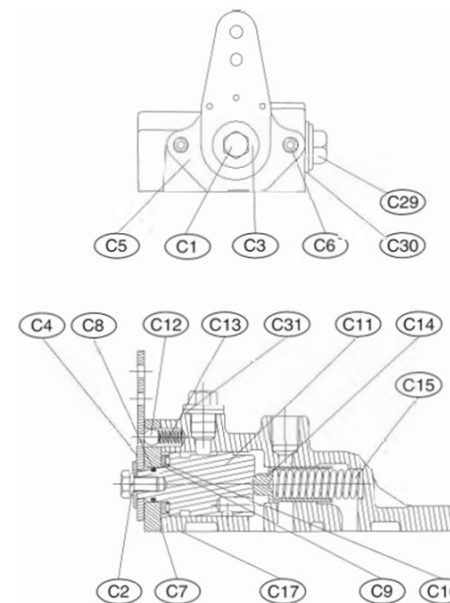
D_50P2_2 Oil Pump Assembly

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1B	24220067	1	Oil Pump (Kit)			
2B	24220073	1	O-Ring			
3B	24220072	2	O-Ring			
4B	24245004	1	Oil Pipe			
5B	24245005	2	O-Ring			



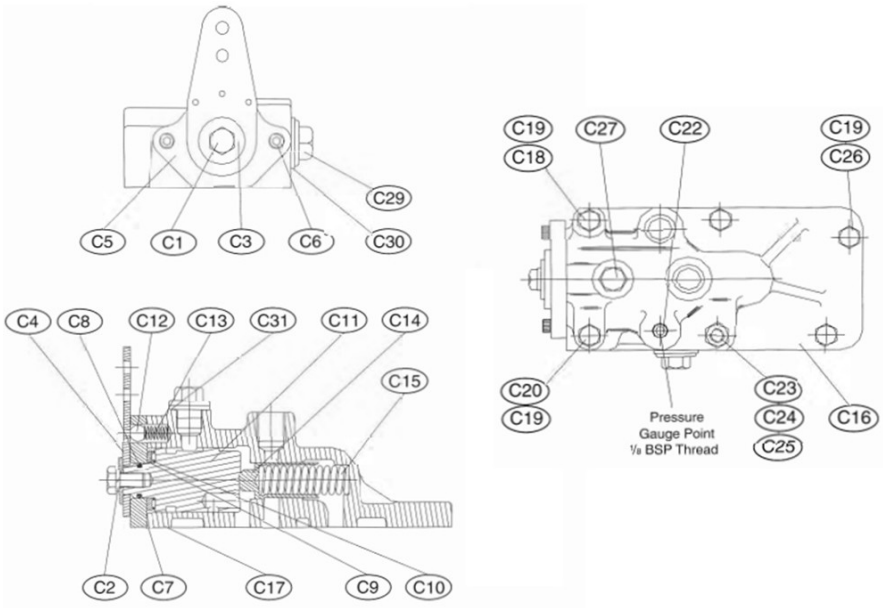
D_50P2_3 **Valve Block Assembly**

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
0C	24245006	1	Valve Block Assembly			
1C	24220402	1	Screw			
2C	24220403	1	Spring Washer			
3C	24220404	1	Washer			
4C	24220405	1	Operating Lever			
5C	24220406	1	End Cover			
6C	24220407	2	Cap Screw			
7C	24220408	1	Gasket			
8C	24220409	1	Nu-Lip Seal			
9C	24220410	1	Thrust Race			
10C	24220411	1	Thrust Bearing			
11C	24220412	1	Control Valve			
12C	24220413	1	Detent Ball			
13C	24220414	1	Detent Spring			
14C	24220415	1	Piston			
15C	24245401	1	Valve Spring 1800kpa (260psi)			
16C	24220417	1	Valve Block			
17C	24220418	1	Gasket			
18C	24220419	1	Bolt			
19C	24220049	5	Washer			
20C	24220420	1	Bolt			
22C	24220421	1	Pressure Plug			
23C	24220422	1	Nut			
24C	24220045	1	Washer			
25C	24220423	1	Stud			
26C	24220424	3	Screw			
27C	24245403	1	Plug			
27C	24245404	1	Plug			
29C	24220427	1	Plug (M18 Pressure Port)			
30C	24220426	1	Bonded Seal			
31C	24220425	1	Washer			



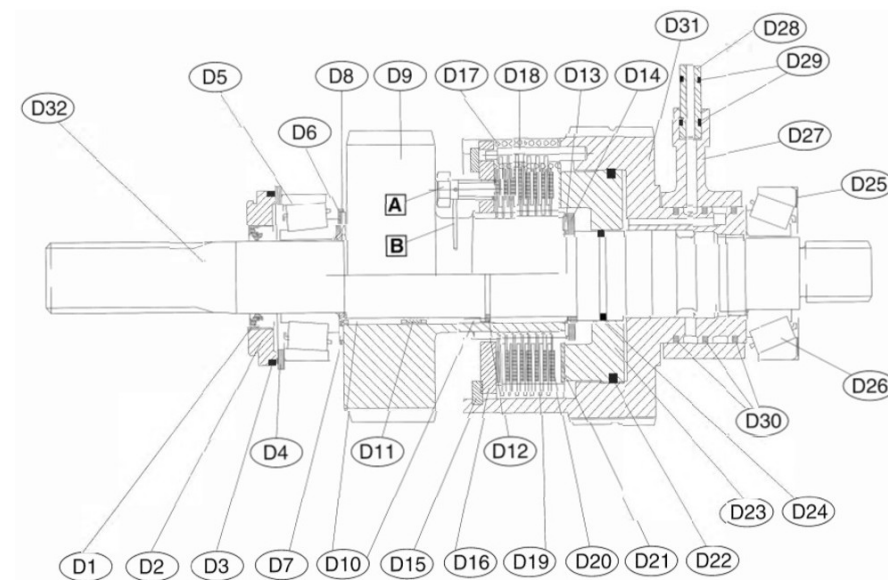
D_50P2_3 Valve Block Assembly

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
NS	24245402	2	Redcap Seal (Transit Only)			

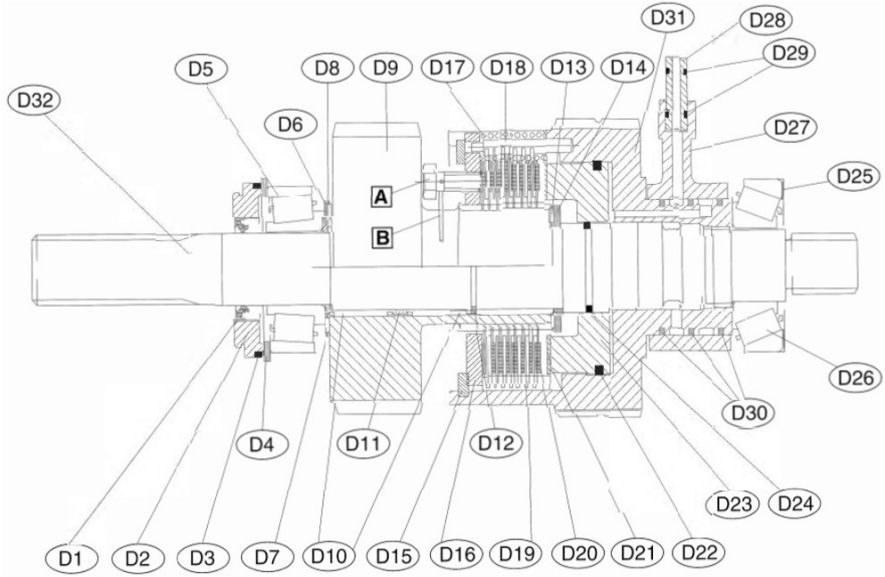


D_50P2_4 **Input Shaft Assembly**

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1D	24245101	1	Oil Seal			
2D	24245102	1	Oil Seal Housing			
3D	24220101	1	O-Ring			
4D	24220102	1	Thrust Washer			
5D	24220103	1	Bearing Cup			
6D	24220302	1	Thrust Washer			
7D	24220303	1	Thrust Bearing			
8D	24220107	1	Spacer			
9DA	24245103	1	Pinion 1,5:1 32 T			
9DB	24245104	1	Pinion 2:1 31T			
9DC	24245105	1	Pinion 2,5:1 23T			
9DD	24245106	1	Pinion 3:1 21T			
10D	24220108	2	Needle Roller Bearing			
11D	24220109	1	Spacer			
12D	24220110	1	Snap Ring			
13D	24220111	1	Thrust Bearing			
14D	24220112	1	Thrust Washer			
15D	24220113	1	Circlip			
16D	24220114	1	Clutch End Cover			
17D	24220115	3	Spring			
18D	24220116	3	Clutch Pin			
19D	24220117	7	Clutch Plate - Driven			
20D	24220118	8	Clutch Plate - Driver			
21D	24220119	1	End Plate			
22D	24220120	1	Piston O-Ring			
23D	24220121	1	Piston			
24D	24220122	1	Piston O-Ring			
25DA	24220123	0	Shim 0.002"	#		
25DB	24220124	0	Shim 0.010"	#		
25DC	24220125	0	Shim 0.031"	#		
26D	24220126	1	Bearing			

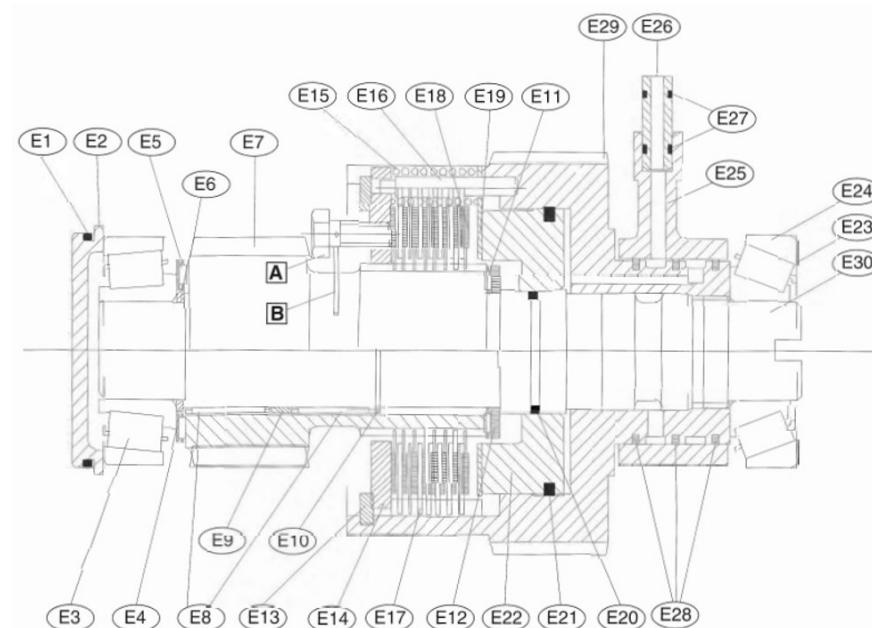


D_50P2_4 Input Shaft Assembly					
Fig.	Ref.	Qty.	Descr.	Obs	From UpTo
27D	24220127	1	Feeder		
28D	24220128	2	Feeder Connector		
29D	24220129	4	Feeder O-Ring		
30D	24220130	3	Piston Ring		
31D	24220131	1	Clutch Gear Rh		
32D	24220132	1	Input Shaft		
NS	24220104	1	Bearing Cone		

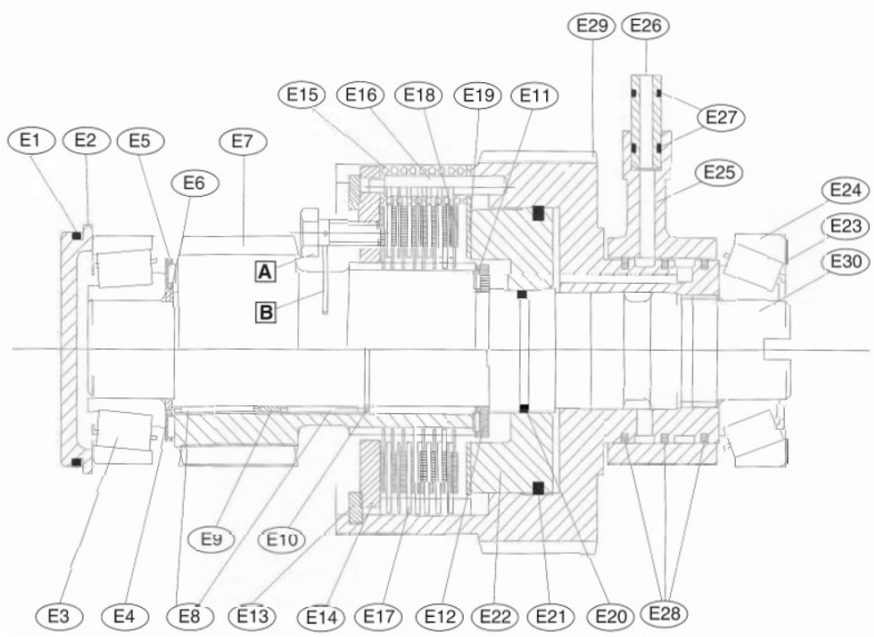


D_50P2_5 Layshaft Assembly

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1E	24220101	1	O-Ring			
2E	24220301	1	End Cover			
3E	24220103	1	Bearing Cup			
4E	24220302	1	Thrust Washer			
5E	24220303	1	Thrust Bearing			
6E	24220107	1	Spacer			
7EA	24245201	1	Pinion 1,5:1 32 T			
7EB	24245202	1	Pinion 2:1 31T			
7EC	24245203	1	Pinion 2,5:1 23T			
7ED	24245204	1	Pinion 3:1 21T			
8E	24220108	2	Needle Roller Bearing			
9E	24220109	1	Spacer			
10E	24220110	1	Snap Ring			
11E	24220111	1	Thrust Bearing			
12E	24220112	1	Thrust Washer			
13E	24220113	1	Circlip			
14E	24220114	1	Clutch End Cover			
15E	24220115	3	Spring			
16E	24220116	3	Clutch Pin			
17E	24220117	7	Clutch Plate - Driven			
18E	24220118	8	Clutch Plate - Driver			
19E	24220119	1	End Plate			
20E	24220122	1	Piston O-Ring			
21E	24220120	1	Piston O-Ring			
22E	24220121	1	Piston			
23EA	24220123	0	Shim 0.002"	#		
23EB	24220124	0	Shim 0.010"	#		
23EC	24220125	0	Shim 0.031"	#		
24E	24220126	1	Bearing			
25E	24220127	7	Feeder			
26E	24220128	2	Feeder Connector			

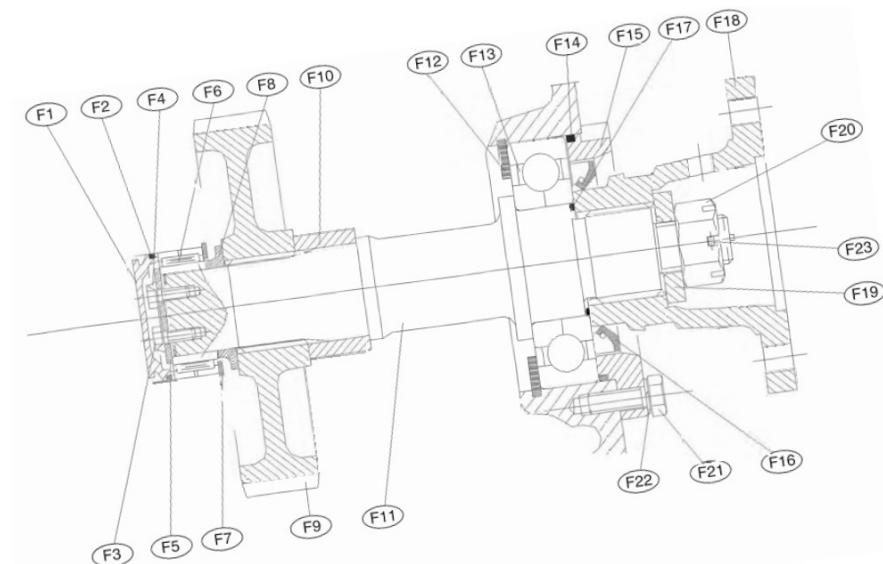


D_50P2_5 Layshaft Assembly					
Fig.	Ref.	Qty.	Descr.	Obs	From UpTo
27E	24220129	4	Feeder O-Ring		
28E	24220130	3	Piston Ring		
29E	24220304	1	Clutch Gear LH		
30E	24220305	1	Layshaft		
NS	24220104	1	Bearing Cone		



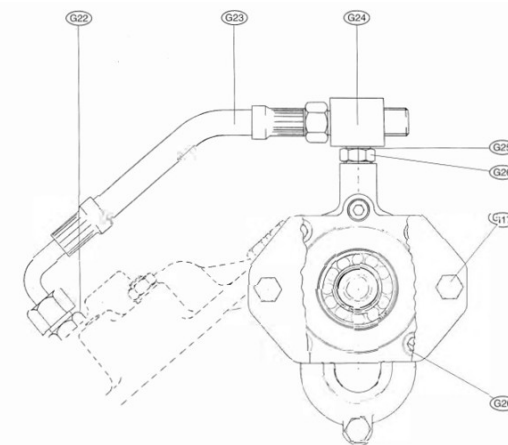
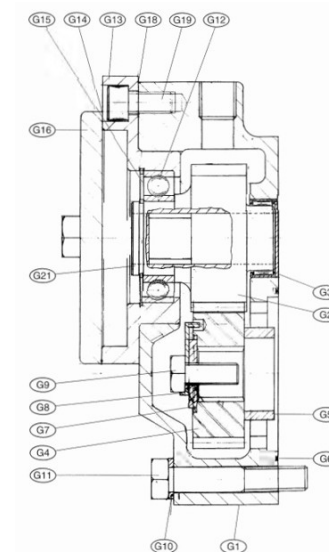
D_50P2_6 **Output Shaft Assembly**

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1F	24245301	1	End Cover			
2F	24245302	1	O-Ring			
3F	24245303	2	Screw			
4F	24245304	1	Special Tab			
5F	24245305	1	Bearing Retaining Washer			
6F	24245306	1	Needle Bearing			
7F	24245307	1	Circlip			
8F	24245308	1	Spacer			
9F	24245309	1	Output Gear 1,459:1 54T			
9F	24245310	1	Output Gear 1,935:1 60T			
9F	24245311	1	Output Gear 2,565:1 59T			
9F	24245312	1	Output Gear 2,904:1 61T			
10F	24245313	1	Spacer			
11F	24245314	1	Output Shaft			
12F	24245315	1	Circlip			
13F	24245316	1	Bearing			
14F	24245317	1	O-Ring			
15F	24245318	1	End Cover			
16F	24245319	1	Oil Seal			
17F	24245320	1	O-Ring			
18F	24245321	1	Output Coupling			
19F	24245322	1	Washer			
20F	24245323	1	Nut			
21F	24245324	4	Screw			
22F	24245325	4	Spring Washer			
23F	24245326	1	Split Pin			

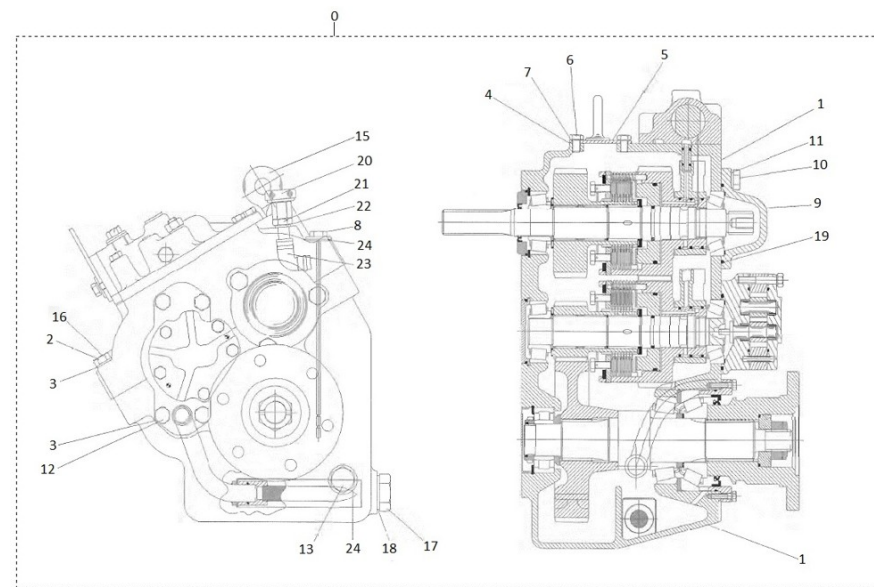


D_50P2_7 Power Take-Off

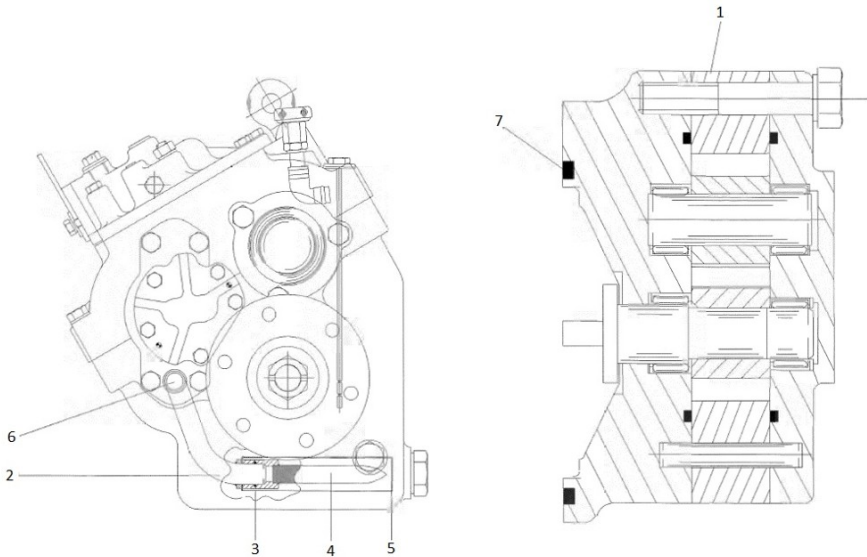
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1G	24245205	1	PTO Housing			
2G	24245206	1	Driven Gear			
3G	24245207	1	Needle Bearing			
4G	24245208	1	Driving Gear			
5G	24245209	1	Spacer			
6G	24220061	1	O-Ring			
7G	24245210	1	Washer			
8G	24245211	1	Tab Washer			
9G	24245212	1	Screw			
10G	24220094	3	Spring Washer			
11G	24245213	1	Bolt			
12G	24245214	1	Ball Bearing			
13G	24245215	1	Adaptor Flange			
14GA	24245216	1	Gasket 4 Bolt			
14GB	24245217	1	Gasket 2 Bolt			
15G	24245307	1	Circlip			
16G	24245218	1	Cover Plate			
17G	24245219	2	Screw			
18G	24245220	1	Gasket			
19G	24245221	1	Cap Screw			
20G	24245222	2	Cap Screw			
21G	24245223	1	Circlip			
22G	24220078	1	Adaptor			
23G	24245224	1	Oil Pipe			
24G	24220075	1	Tee Piece			
25G	24220425	1	Washer			
26G	24220076	1	Metering Union			



D_50P1_1		Gearcase Assembly				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
0	24220042	1	Case Sub-Assembly			
1	24220043	1	Gearcase Sub-Assembly			
2	24220044	6	Bolt			
3	24220045	11	Washer			
4	24220046	1	Gasket			
5	24220047	1	Top Cover			
6	24220048	1	Screw			
7	24220049	1	Washer			
8	24220050	1	Dispstick			
9	24220051	1	End Cover			
10	24220052	3	Screw			
11	24220053	3	Washer			
12	24220054	4	Bolt			
13	24220055	1	Drain Plug			
15	24220057	1	Eyebolt			
16	24220058	1	Bolt			
17	24220059	1	Drain Plug			
18	24220060	1	Washer			
19	24220061	1	O-Ring			
20	24220062	1	Breather			
21	24220063	1	Locknut			
22	24220064	1	Washer			
23	24220065	1	Breather Tube Assembly			
24	24220066	1	Bonded Washer			
NS	24220056	1	Washer			

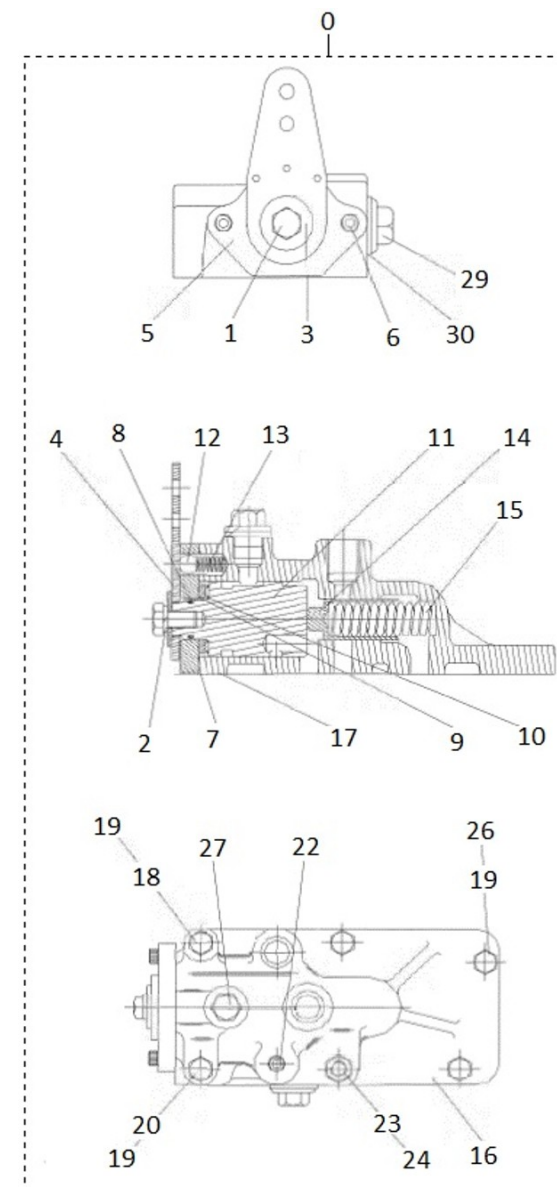


D_50P1_2		Oil Pump Assembly				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	24220067	1	Oil Pump (Kit)			
2	24220068	1	Oil Pipe			
3	24220069	1	O-Ring			
4	24220070	1	Strainer			
5	24220071	1	Baffle			
6	24220072	2	O-Ring			
7	24220073	1	O-Ring			



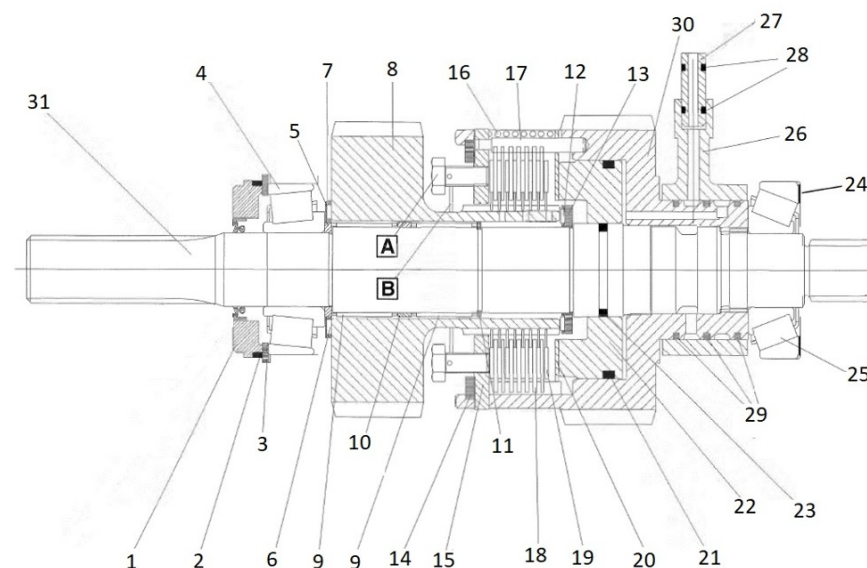
D_50P1_3 Valve Block Assembly

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
0	24220401	1	Valve Block Assembly			
1	24220402	1	Screw			
2	24220403	1	Spring Washer			
3	24220404	1	Washer			
4	24220405	1	Operating Lever			
5	24220406	1	End Cover			
6	24220407	2	Cap Screw			
7	24220408	1	Gasket			
8	24220409	1	Nu-Lip Seal			
9	24220410	1	Thrust Race			
10	24220411	1	Thrust Bearing			
11	24220412	1	Control Valve			
12	24220413	1	Detent Ball			
13	24220414	1	Detent Spring			
14	24220415	1	Piston			
15	24220416	1	Valve Spring 3000 Kpa			
16	24220417	1	Valve Block			
17	24220418	1	Gasket			
18	24220419	1	Bolt			
19	24220049	5	Washer			
20	24220420	1	Bolt			
22	24220421	1	Pressure Plug			
23	24220422	1	Nut			
24	24220045	1	Washer			
25	24220423	1	Stud			
26	24220424	3	Screw			
27	24220425	1	Washer			
29	24220426	1	Bonded Seal			
30	24220427	1	Plug (M18 Pressure Port)			



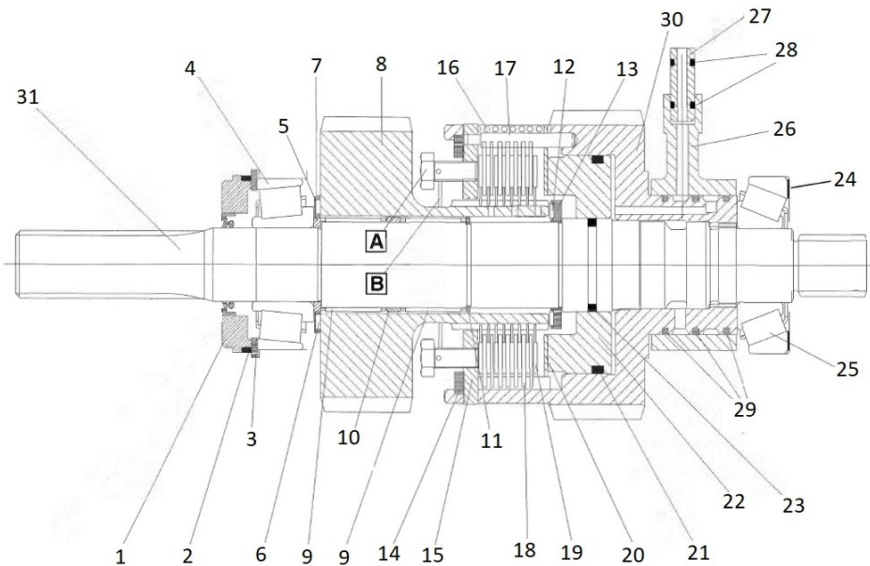
D_50P1_4 **Input Shaft Assembly**

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	24220101	1	O-Ring			
2	24220102	1	Thrust Washer			
3	24220103	1	Bearing Cup			
4	24220104	1	Bearing Cone			
5	24220105	1	Thrust Washer			
6	24220106	1	Thrust Bearing			
7	24220107	1	Spacer			
8A	24224001	1	Pinion (2.5: 1) 23T			
8B	24225001	1	Pinion (3:1) 21T			
9	24220108	2	Needle Roller Bearing			
10	24220109	1	Spacer			
11	24220110	1	Snap Ring			
12	24220111	1	Thrust Bearing			
13	24220112	1	Thrust Washer			
14	24220113	1	Circlip			
15	24220114	1	Clutch End Cover			
16	24220115	3	Spring			
17	24220116	3	Clutch Pin			
18	24220117	7	Clutch Plate - Driven			
19	24220118	8	Clutch Plate - Driver			
20	24220119	1	End Plate			
21	24220120	1	Piston O-Ring			
22	24220121	1	Piston			
23	24220122	1	Piston O-Ring			
24A	24220123	0	Shim 0.002"	#		
24B	24220124	0	Shim 0.010"	#		
24C	24220125	0	Shim 0.031"	#		
25	24220126	1	Bearing			
26	24220127	1	Feeder			
27	24220128	2	Feeder Connector			
28	24220129	4	Feeder O-Ring			

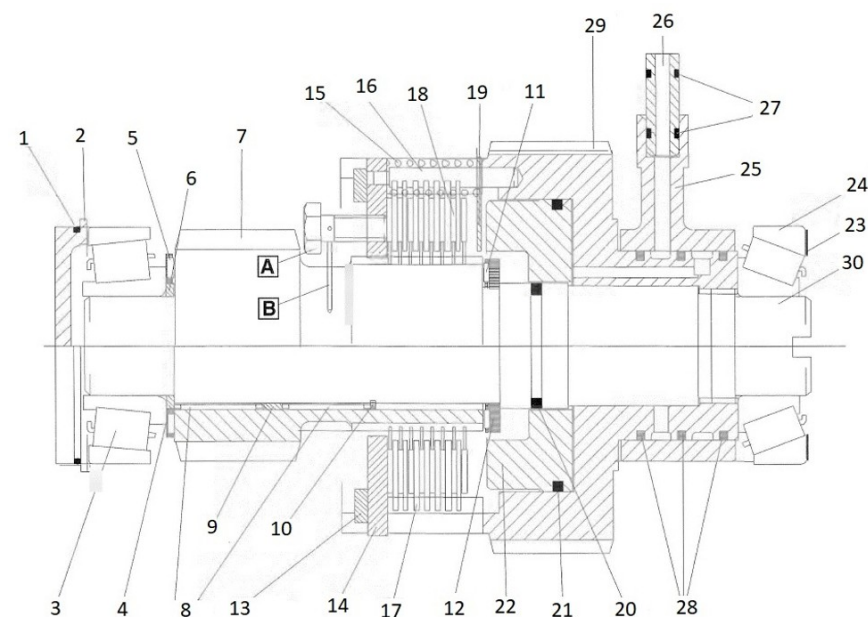


D_50P1_4 Input Shaft Assembly

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
29	24220130	3	Piston Ring			
30	24220131	1	Clutch Gear Rh			
31A	24220132	1	Input Shaft			
31B	24220133	1	Input Shaft (In-Line Only)			

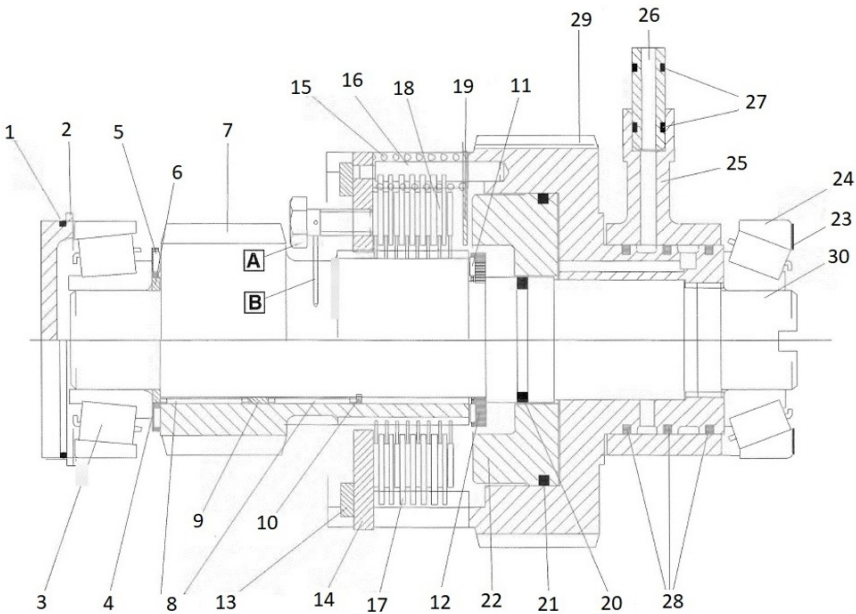


D_50P1_5		Layshaft Assembly				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	24220101	1	O-Ring			
2	24220301	1	End Cover			
3A	24220103	1	Bearing Cup			
3B	24220104	1	Bearing Cone			
4	24220302	1	Thrust Washer			
5	24220303	1	Thrust Bearing			
6	24220107	1	Spacer			
7A	24224001	1	Pinion (2.5: 1) 23T			
7B	24225001	1	Pinion (3:1) 21T			
8	24220108	2	Needle Roller Bearing			
9	24220109	1	Spacer			
10	24220110	1	Snap Ring			
11	24220111	1	Thrust Bearing			
12	24220112	1	Thrust Washer			
13	24220113	1	Circlip			
14	24220114	1	Clutch End Cover			
15	24220115	3	Spring			
16	24220116	3	Clutch Pin			
17	24220117	7	Clutch Plate - Driven			
18	24220118	8	Clutch Plate - Driver			
19	24220119	1	End Plate			
20	24220122	1	Piston O-Ring			
21	24220120	1	Piston O-Ring			
22	24220121	1	Piston			
23A	24220123	0	Shim 0.002"	#		
23B	24220124	0	Shim 0.010"	#		
23C	24220125	0	Shim 0.031"	#		
24	24220126	1	Bearing			
25	24220127	7	Feeder			
26	24220128	2	Feeder Connector			
27	24220129	4	Feeder O-Ring			

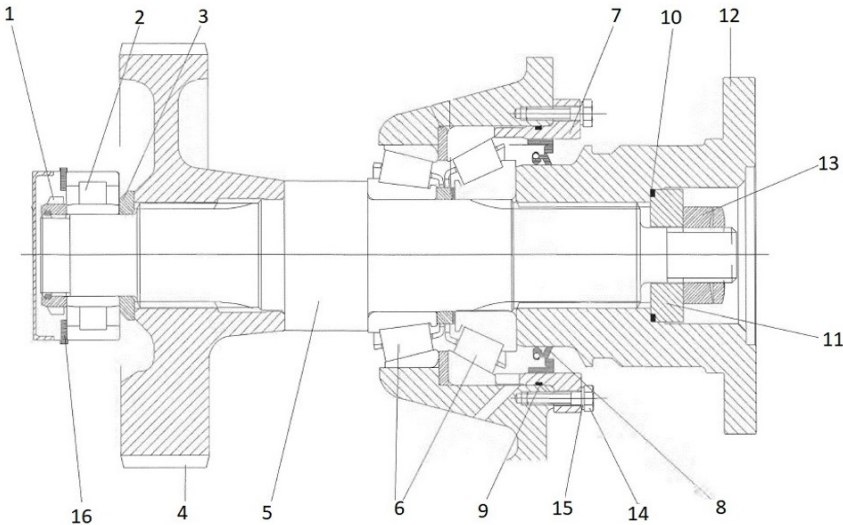


D_50P1_5 Layshaft Assembly

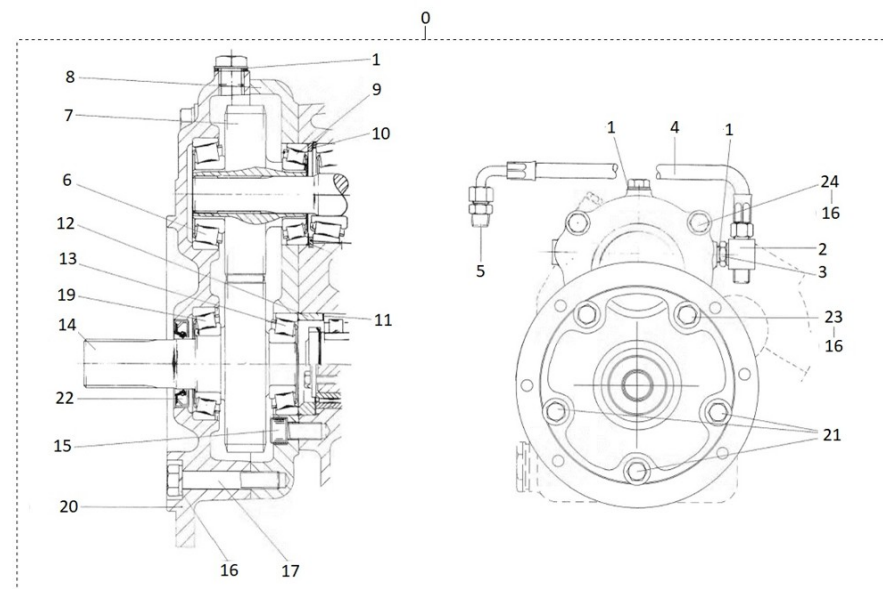
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
28	24220130	3	Piston Ring			
29	24220304	1	Clutch Gear LH			
30	24220305	1	Layshaft			



D_50P1_6 Output Shaft Assembly					
Fig.	Ref.	Qty.	Descr.	Obs	From UpTo
1	24220201	1	Locknut		
2	24220202	1	Bearing		
3	24220203	1	Spacer		
4A	24224201	1	Output Gear 2.5:1 59T		
4B	24225201	1	Output Gear 3:1 61T		
5	24220204	1	Output Shaft		
6	24220205	1	Bearing Assembly		
7	24220206	1	Seal Housing		
8	24220207	1	Output Seal		
9	24220208	1	O-Ring		
10	24220209	1	O-Ring		
11	24220210	1	Coupling Washer		
12	24220211	1	Output Coupling		
13	24220212	1	Locknut		
14	24220213	8	Screw		
15	24220214	8	Spring Washer		
16	24220215	1	Circlip		

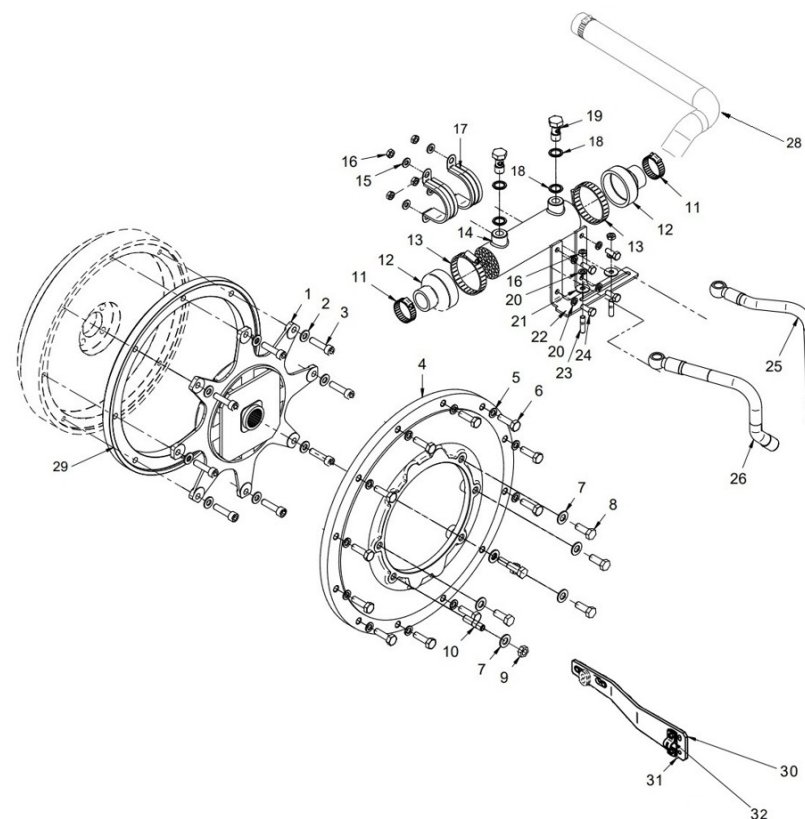


D_50P1_7		In-Line Unit				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
0	24220074	1	In-Line Unit			
1	24220425	2	Washer			
2	24220075	1	Tee Piece			
3	24220076	1	Metering Union			
4	24220077	1	Oil Pipe			
5	24220078	1	Adaptor			
6	24220093	1	Bearing			
7	24220079	1	Gear 45T LH			
8	24220080	1	Gearcase			
9	24220081	1	Bearing			
10	24220082	1	Spacer			
11A	24220123	0	Shim 0.002"	#		
11B	24220124	0	Shim 0.010"	#		
11C	24220125	0	Shim 0.031"	#		
12	24220083	1	Spacer			
13	24220084	1	Bearing			
14	24220085	1	Gear And Shaft - 45T RH			
15	24220086	1	Socket Head Screw			
16	24220094	11	Spring Washer			
17	24220052	4	Screw			
18	24220087	2	Dowel			
19	24220088	1	Bearing			
20	24220089	1	Gearcase			
21	24220090	3	Bolt			
22	24220091	1	Oil Seal			
23	24220092	2	Bolt			
24	24220095	2	Bolt			



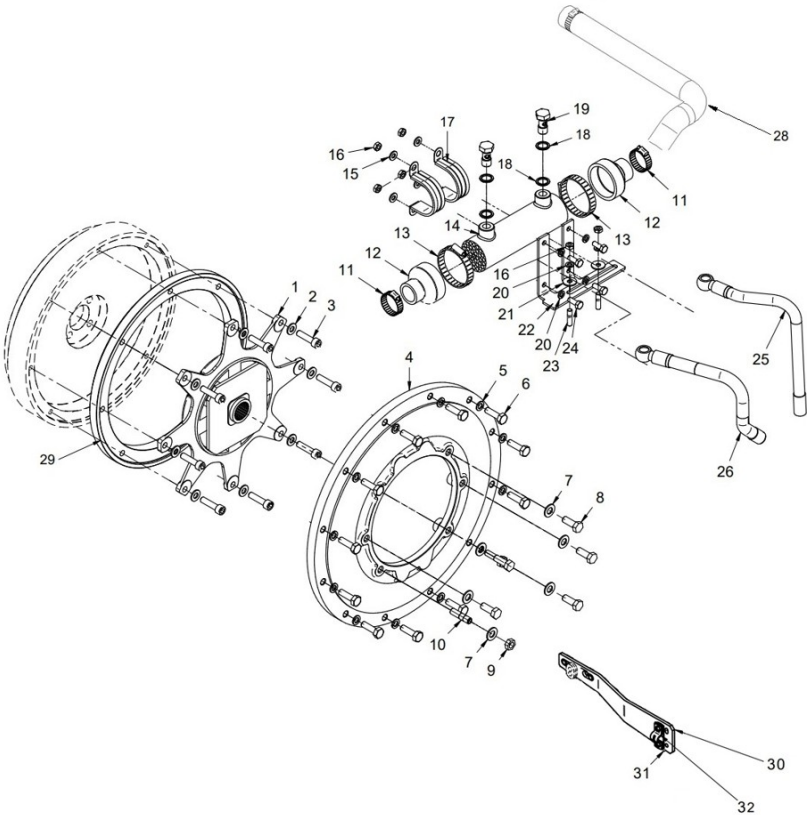
17510224 Kit GearBox TM-485A1

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	12	Washer GROWER DIN 127-10			
6	52102310	12	Bolt DIN 933 M10-35 8.8			
7	53038012	6	Washer DIN 6798-A 12			
8	52302309	5	Bolt DIN 933 W7/16-30 8.8			
9	52320716	1	Nut DIN 934 W 7/16 8.8			
10	17510004	1	Stud 7/16Wx44			
11	54082025	4	Clamp DIN 3017 25-40/12 W4			
12	15312007	2	Water Cooler Cover			
13	54082050	2	Clamp DIN 3017 50-70/12 W4			
14	1A012051	1	Cooler,oil			
15	51030008	6	Washer DIN 125-8			
16	52120008	6	Nut DIN 934 M8 8.8			
17	59072604	2	Clamp			
18	59031017	4	Washer			
19	14712015	2	Bolt,Coupling pipe oil			
20	53033008	8	Washer GROWER DIN 127-8			
21	51031008	2	Washer DIN 9021 8			
22	13912041	1	Bracket,TM Oil Cooler		25/06/2017	
22	18012041	1	Bracket,TM93/170 oil cooler			25/06/2017
23	12120018	2	Stud			
24	52102257	6	Bolt DIN 933 M8-20 8.8			
25	17512011	1	Pipe			
26	17512010	1	Pipe			
27	18011026	1	Pipe			
28	1A011035	1	Hose			
29	17410022	1	Flywheel Supplement			
30	24810901	1	Bracket, GearBox Control			



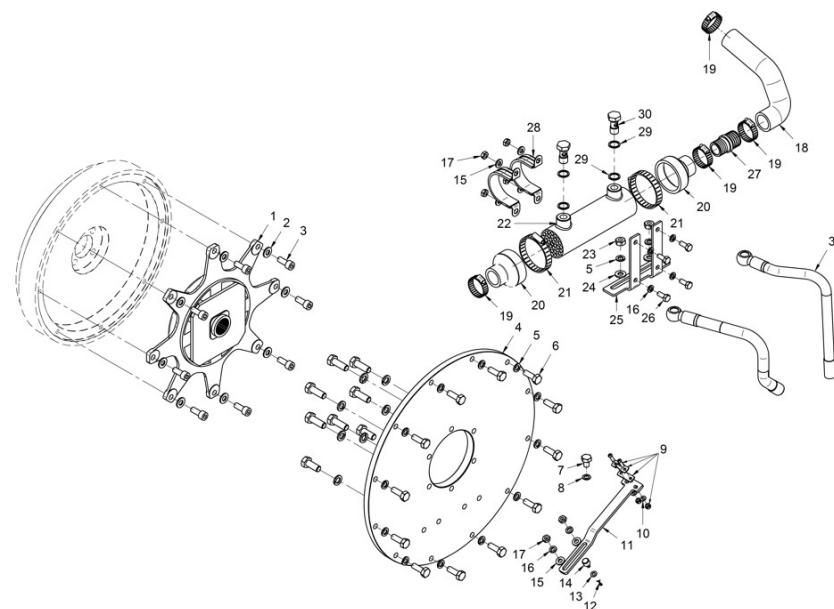
17510224 Kit GearBox TM-485A1

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
31	51030005	2	Washer DIN 125-5			
32	24810913	1	Clamp,CABLE			
NS	13411036	1	Pipe 30-40-120			
NS	51030006	2	Washer DIN 125-6			
NS	51051107	1	Pin DIN-94 1,6-16			

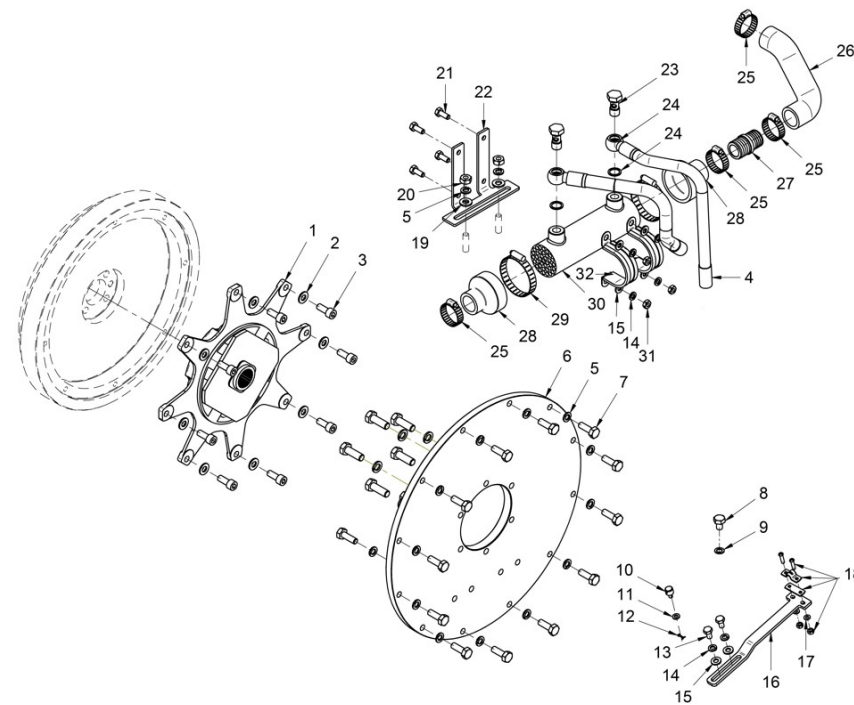


17510210 Kit GearBox TM-170/170A/880A

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	18012041	1	Bracket,TM93/170 oil cooler			
26	52102257	4	Bolt DIN 933 M8-20 8.8			
27	18011026	1	Pipe			
28	59072604	2	Clamp			
29	59031017	4	Washer			
30	14712015	2	Bolt,Coupling pipe oil			
31	17112024	2	Pipe, rev.oil Cooler			



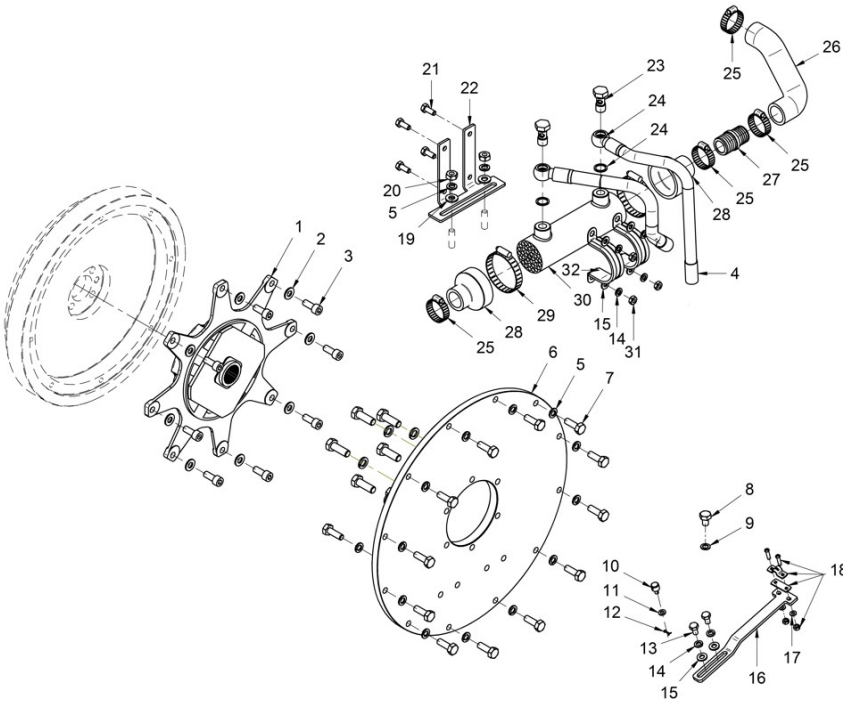
17510200		Kit GearBox TM-93/A				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	16510170	1	Flexible coupling type C SAE 11"1/2			
2	53038010	8	Washer DIN 6798-A 10			
3	52103308	8	Bolt DIN 912 M10-25 8.8			
4	17112024	2	Pipe, rev.oil Cooler			
5	53033010	14	Washer GROWER DIN 127-10			
6	24810021	1	SAE 3 housing 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	18012041	1	Bracket,TM93/170 oil cooler			
23	14712015	2	Bolt,Coupling pipe oil			
24	59031017	4	Washer			
25	54082025	4	Clamp DIN 3017 25-40/12 W4			
26	17511009	1	Hose			
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			
31	52120008	4	Nut DIN 934 M8 8.8			



17510200

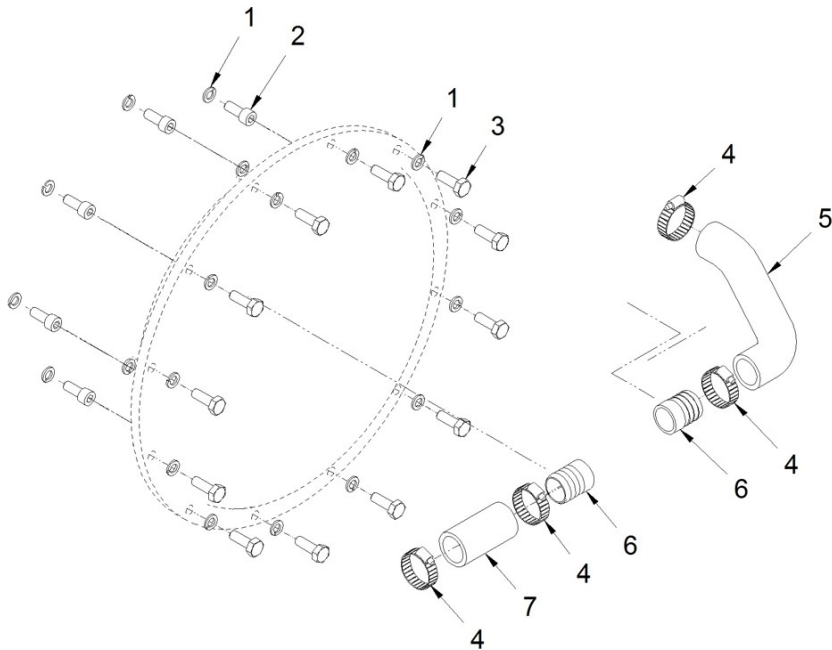
Kit GearBox TM-93/A

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
32	59072604	2	Clamp			



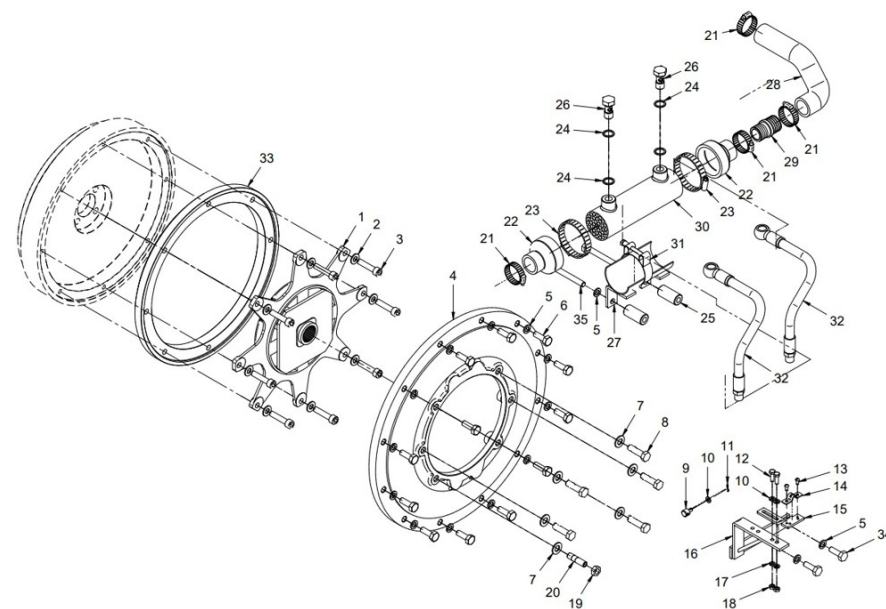
17410230 Kit DONG-I DMT-25AL Gearbox

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			

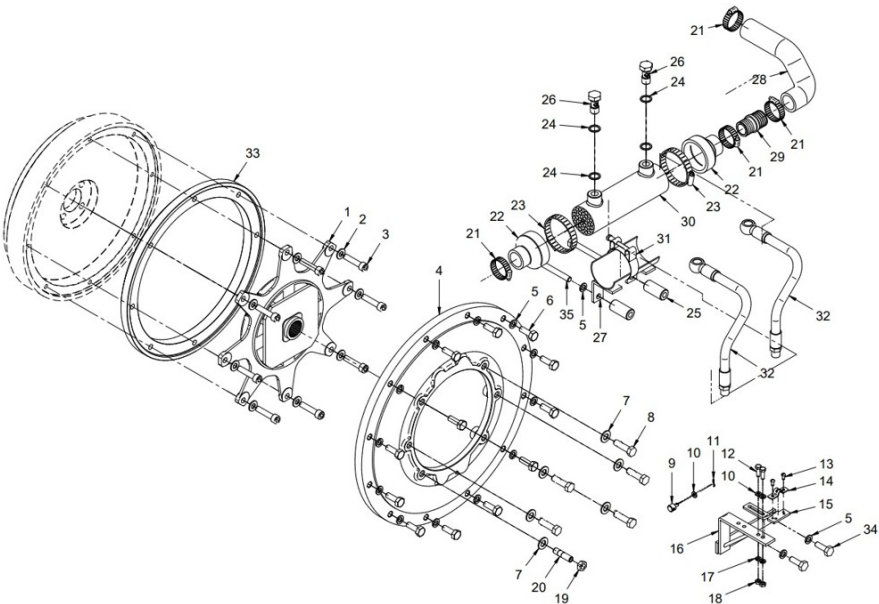


17410255 Kit GearBox ZF 68 IV

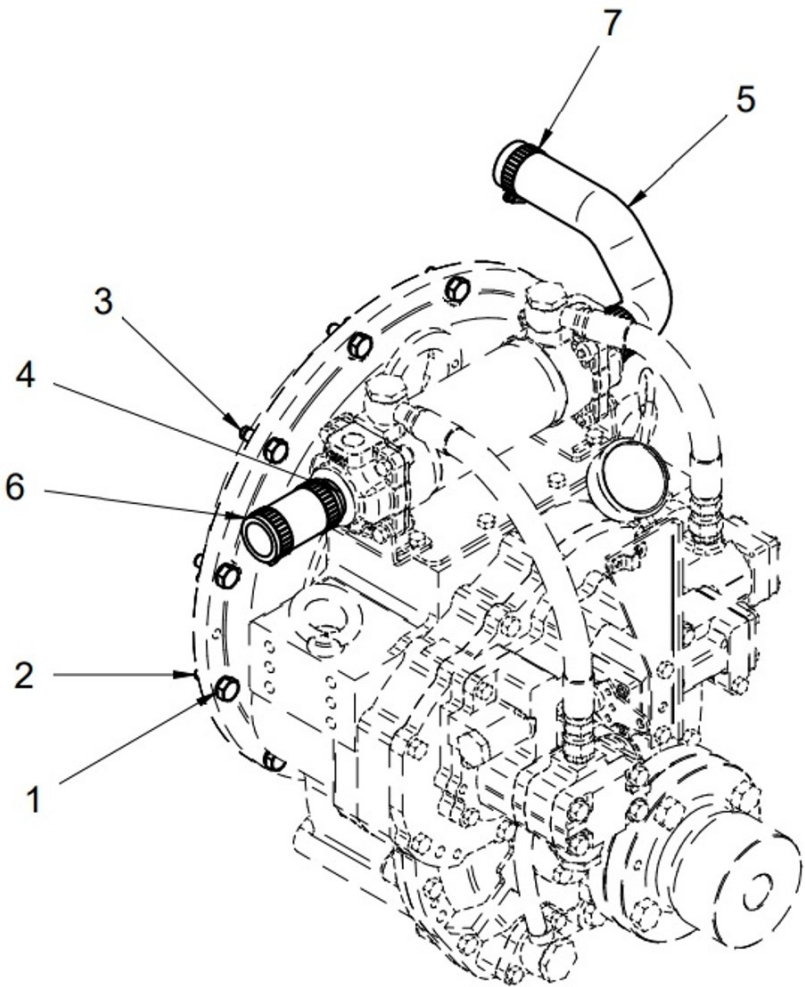
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	16510170	1	Flexible coupling type C SAE 11"1/2			
2	53038010	8	Washer DIN 6798-A 10			
3	52103312	8	Bolt DIN 912 M10-45 8.8			
4	14910012	1	SAE 3 housing gearbox			
5	53033010	16	Washer GROWER DIN 127-10			
6	52102309	12	Bolt DIN 933 M10-30 8.8			
7	53038012	6	Washer 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		

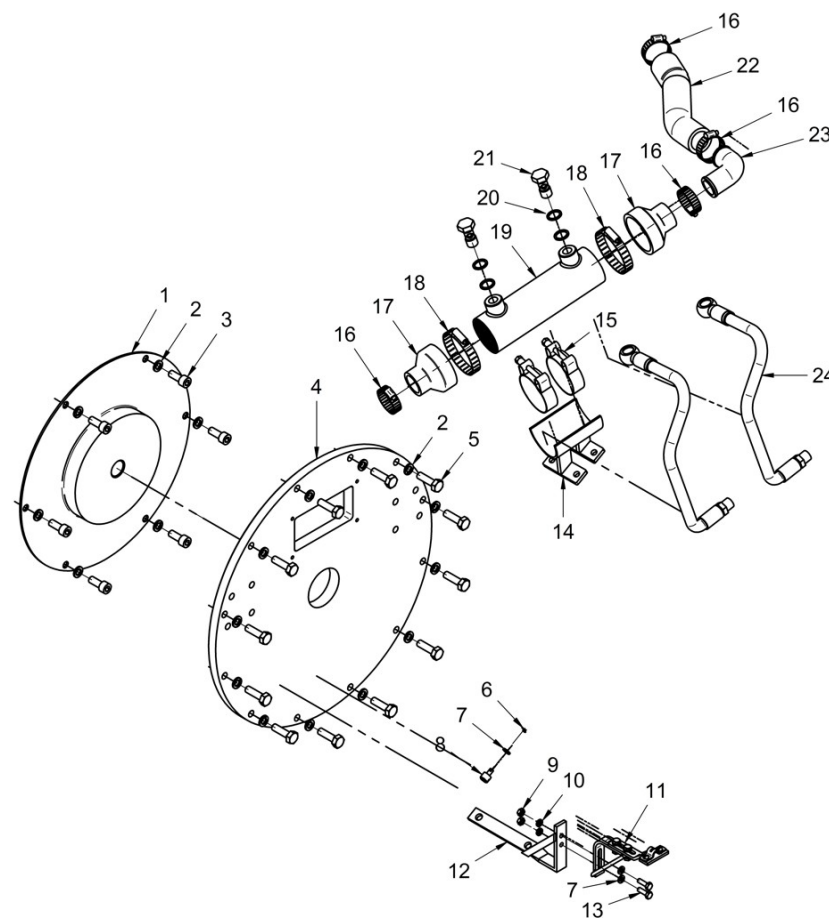


17510231 Kit DONG-I DMT-50A Gearbox						
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	53033010	20	Washer GROWER DIN 127-10			
2	52102309	12	Bolt DIN 933 M10-30 8.8			
3	52103308	8	Bolt DIN 912 M10-25 8.8			
4	60139026	2	SPIGOT 1 1/4" X 32			
5	17511009	1	Hose			
6	13611038	1	Pipe 30-40-75			
7	54082025	4	Clamp DIN 3017 25-40/12 W4			

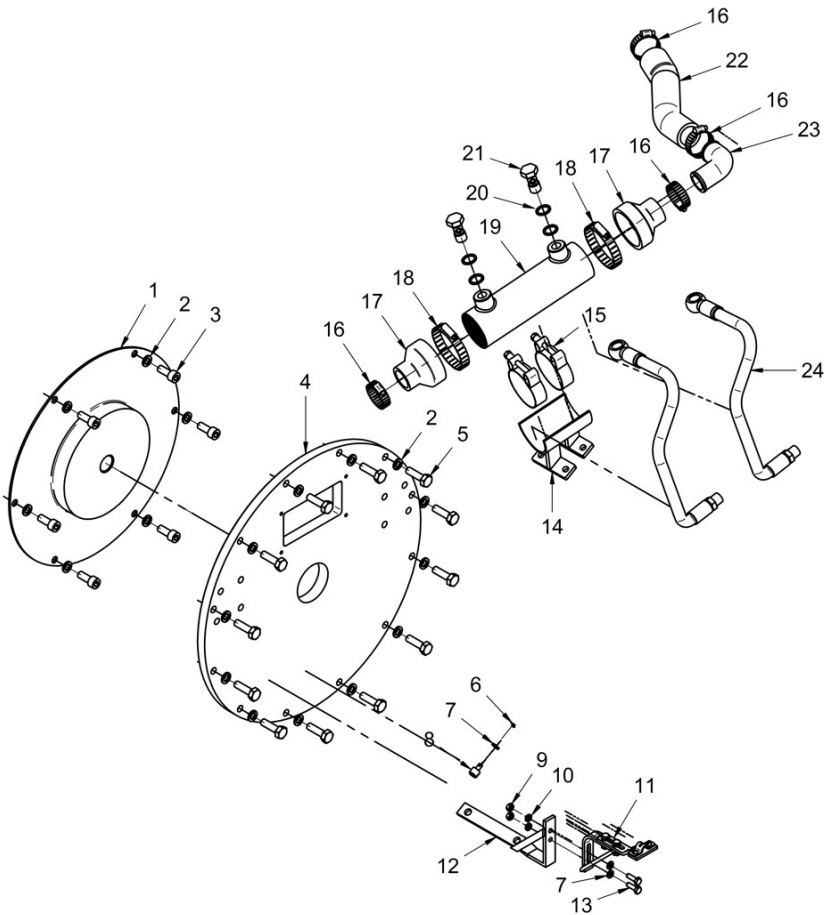


17510225 Kit GearBox PRM-500

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	24610022	1	Damper			
2	53033010	20	Washer GROWER DIN 127-10			
3	52103308	8	Bolt DIN 912 M10-25 8.8			
4	24230022	1	Adaptor Flange. PRM-302 SAE 3			
5	52102310	12	Bolt DIN 933 M10-35 8.8			
6	51051107	1	Pin DIN-94 1,6-16			
7	51030006	6	Washer DIN 125-6			
8	14719115	1	Coupling,cable			
9	52120006	2	Nut DIN 934 M6 8.8			
10	53033006	2	Washer GROWER DIN 127-6			
11	12119000	1	Assy Bracket,morse control			
12	16519023	1	Bracket,morse rev.PRMINI-302/402			
13	52102157	2	Bolt DIN 933 M6-20 8.8			
14	16512050	1	Oil Cooler,bracket			
15	51083060	2	GP Clamp 59-63 W2			
16	54082025	5	Clamp DIN 3017 25-40/12 W4			
17	15312007	2	Water Cooler Cover			
18	54082050	2	Clamp DIN 3017 50-70/12 W4			
19	1A012051	1	Cooler,oil			
20	59031017	4	Washer			
21	14712015	2	Bolt,Coupling pipe oil			
22	18011020	1	Pipe			
23	15212022	1	Elbow			
24	18512022	2	Pipe			
NS	18011026	1	Pipe			
NS	24260001	1	Reducing Sleeve 3/8-1/2			
NS	24260002	1	Reducing Sleeve 3/8-3/4			
NS	24260003	1	Tenon Red. 1/2-3/8			
NS	51030008	4	Washer DIN 125-8			
NS	52102257	4	Bolt DIN 933 M8-20 8.8			
NS	52120008	4	Nut DIN 934 M8 8.8			

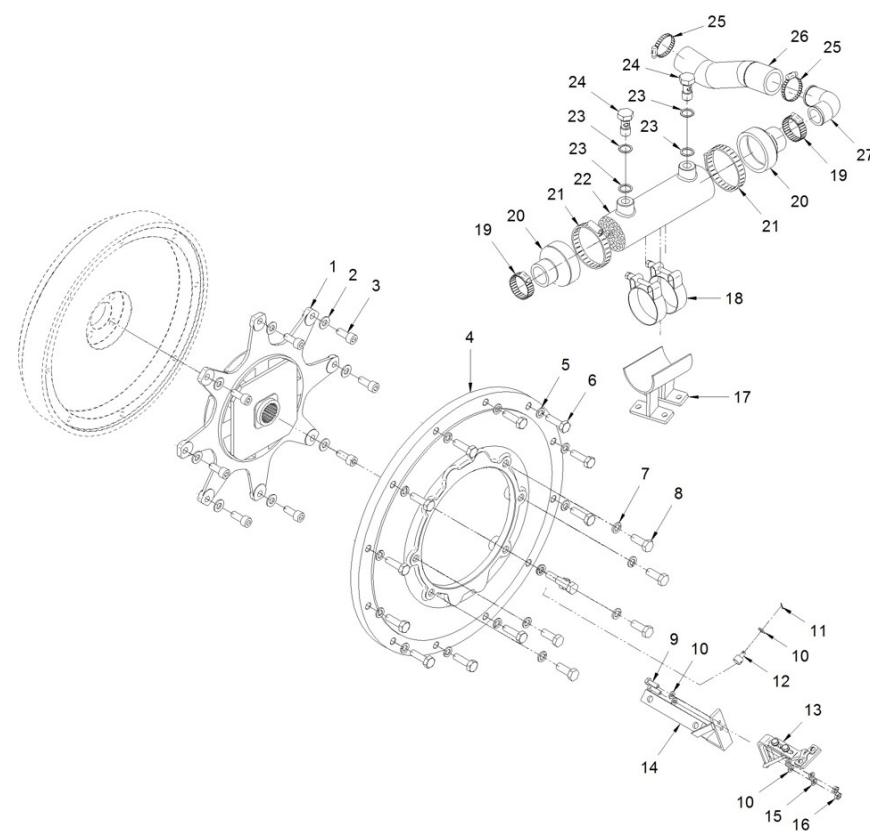


17510225 Kit GearBox PRM-500					
Fig.	Ref.	Qty.	Descr.	Obs	From UpTo
NS	52301309	2	Bolt DIN 931 W7/16-30 8.8		
NS	53033008	4	Washer GROWER DIN 127-8		
NS	53033011	2	Washer GROWER DIN 127-11		
NS	53033012	8	Washer Grower DIN 127-12		
NS	56000083	1	Washer 21-26-1,5		
NS	58088281	2	Pastic Cable Zip Tie		
NS	M87503040	1.0	Water Intake Hose (HQ) D. 30-38		



17510222 Kit GearBox PRM-750 IN-LINE

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	14910012	1	SAE 3 housing gearbox			
5	53033010	18	Washer GROWER DIN 127-10			
6	52102310	12	Bolt DIN 933 M10-35 8.8			
7	53033011	6	Washer GROWER DIN 127-11			
8	52301309	6	Bolt DIN 931 W7/16-30 8.8			
9	52102157	2	Bolt DIN 933 M6-20 8.8			
10	51030006	8	Washer DIN 125-6			
11	51051107	1	Pin DIN-94 1,6-16			
12	14719115	1	Coupling,cable			
13	12119000	1	Assy Bracket,morse control			
14	16519023	1	Bracket,morse rev.PRMINI-302/402			
15	53033006	2	Washer GROWER DIN 127-6			
16	52120006	2	Nut DIN 934 M6 8.8			
17	16512050	1	Oil Cooler,bracket			
18	51083060	2	GP Clamp 59-63 W2			
19	54082025	2	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	59031017	4	Washer			
24	14712015	2	Bolt,Coupling pipe oil			
25	54081025	3	Clamp DIN 3017 25-40/9 W4			
26	18011020	1	Pipe			
27	15212022	2	Elbow			
NS	18512022	2	Pipe			
NS	24260001	1	Reducing Sleeve 3/8-1/2			
NS	24260002	1	Reducing Sleeve 3/8-3/4			
NS	24260003	1	Tenon Red. 1/2-3/8			



17510222 Kit GearBox PRM-750 IN-LINE					
Fig.	Ref.	Qty.	Descr.	Obs	From UpTo
NS	51030008	4	Washer DIN 125-8		
NS	52102257	4	Bolt DIN 933 M8-20 8.8		
NS	52120008	4	Nut DIN 934 M8 8.8		
NS	53033008	4	Washer GROWER DIN 127-8		
NS	53033012	8	Washer Grower DIN 127-12		
NS	56000083	4	Washer 21-26-1,5		
NS	58088281	2	Pastic Cable Zip Tie		
NS	M87503040	1.0	Water Intake Hose (HQ) D. 30-38		

