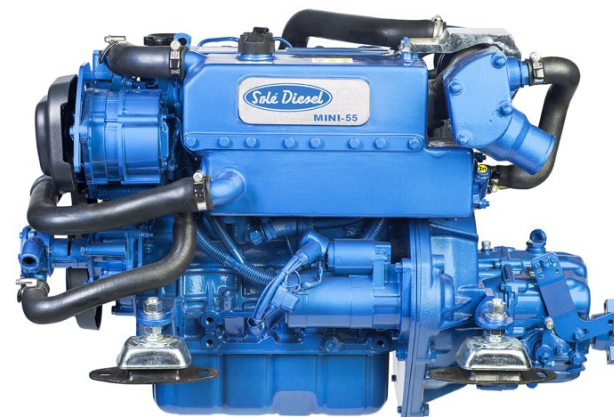




Engine MINI-55 v6

VERSION 2024-6

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)

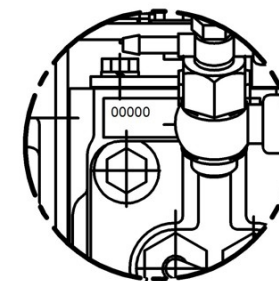
Hoses, indicates the total length in meters

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.

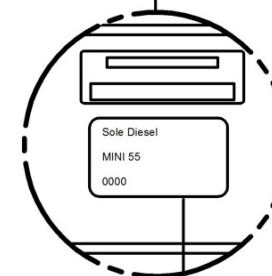
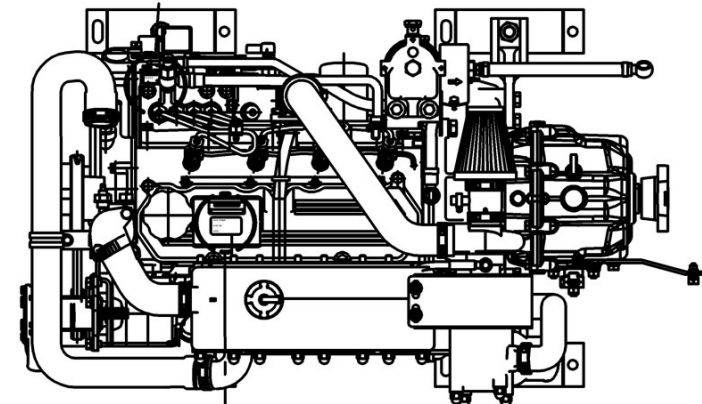
In case of doubt, contact Solé Diesel, or your authorized dealer.

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

SOLE, S.A.
C-243b, km, 2
08760 Martorell (Barcelona) Spain



NUMERO DE SERIE
SERIAL NUMBER



PLACA
PLATE

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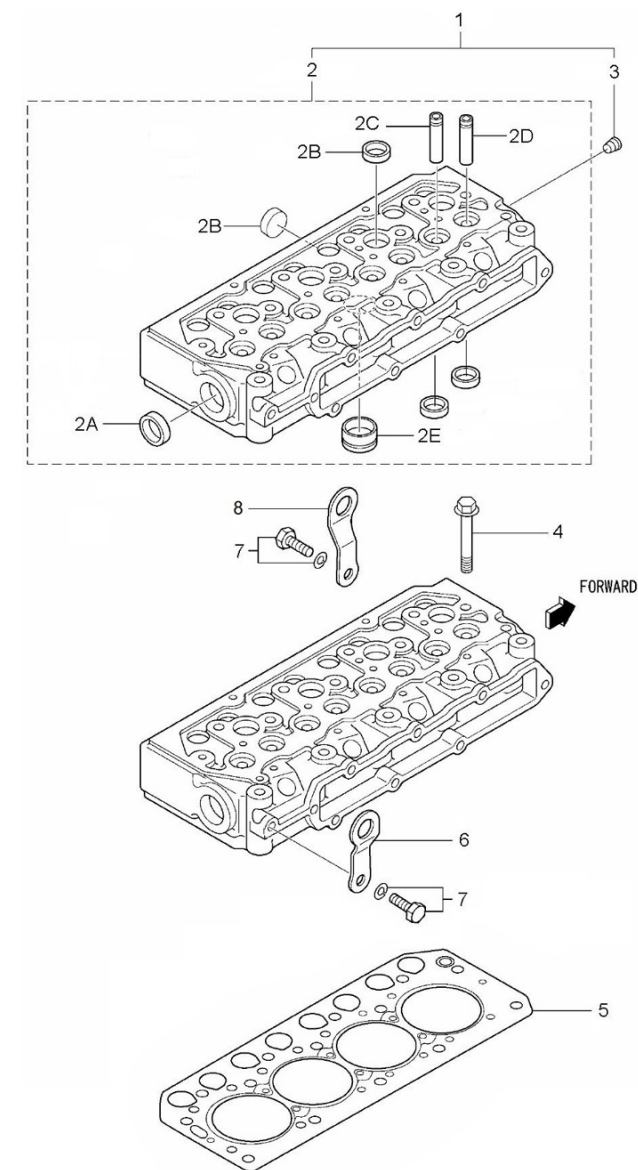
Gearbox TTM35A2-B4

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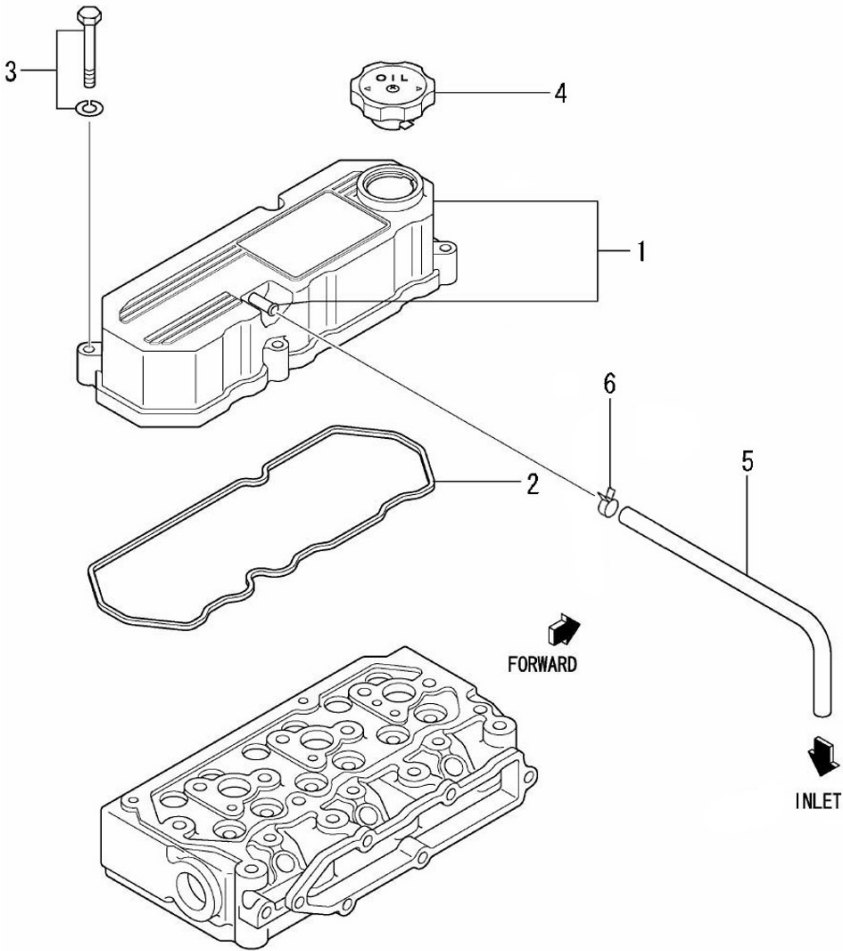
Kit Gearbox

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Kit GearBox TMC-260
Kit S-Drive TECHNO.SP60
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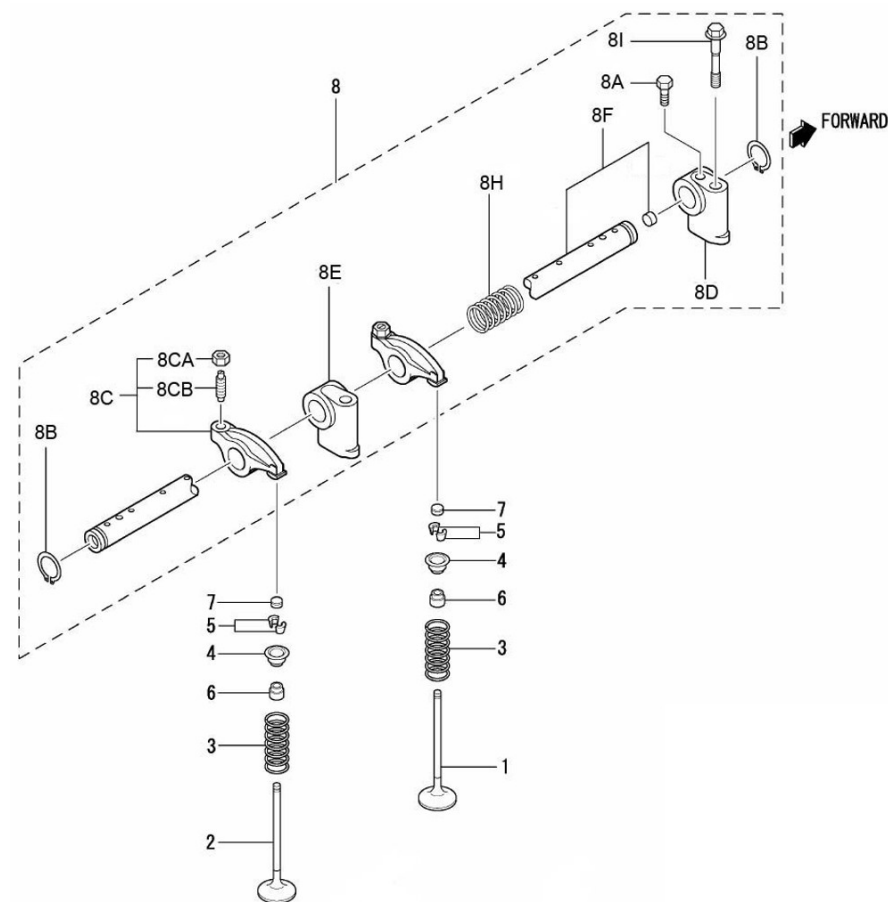
D_MI55_1_1		Cylinder Head				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	17721001	1	Head Assy,Cylinder			
2	(*)	1	Not available			
2A	17020012	1	Cap			
2B	13121003	7	Cap Sealing			
2C	17221002	4	Guide, Valve Exhaust			
2D	17221003	4	Guide, Valve, Inlet			02/08/2017
2D	17221003.4	4	Guide, Valve, Inlet		02/08/2017	
2E	17221015	4	Jet, Combustion			
3	17820011	1	Plug, Tapered			
4	17221005	14	Bolt,cylinder head			
5	17321004	1	Gasket, Cylinder Head			
6	13221011	1	HANGER Engine			
7	17720010	2	Bolt,W/Washer			
8	17210008	1	HANGER, Engine			



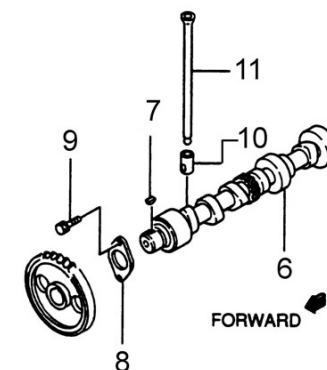
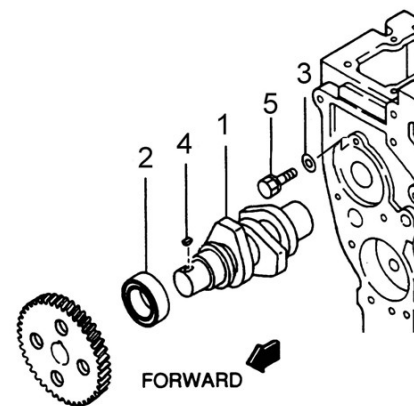
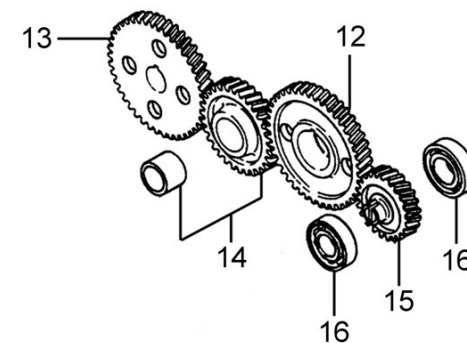
D_MI55_1_2		Rocker Cover and Breather				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	17321009	1	Cover Assy, Rocker			
2	17321010	1	Rocker Cover Gasket			
3A	52101261	5	Bolt DIN 931 M8-40 8.8			
3B	53033008	5	Washer GROWER DIN 127-8			
4	17221003G	1	Cap Oil Filler			
5	17721006	1	Hose,BREATHER			
6	17221023	1	Clamp			



D_MI55_1_3			Valve Drive			
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	17222055	4	Intake Valve			
2	17222056	4	Exhaust Valve			
3	17222057	8	Spring, Valve, INNER			
4	13822058	8	Retainer Valve SP			
5	13222059	16	Lock Valve			
6	13222054	8	Seal Valve Stem			
7	13822069	8	Cap Stem			
8	(*)	1	Not available			
8A	17222053	1	Bolt			
8B	17222050	2	Ring, SNAP			
8C	17222142	8	Rocker Assy			
8CA	17122060	8	Nut			
8CB	17122044	8	Screw Adjusting			
8D	17222048	1	Bracket, Rocker Shaft			
8E	17222049	3	Bracket, Rocker Shaft			
8F	17322046	1	Shaft Assy, Rocker			
8H	17122047	3	Spring			
8I	17222053.5G	4	Bolt			

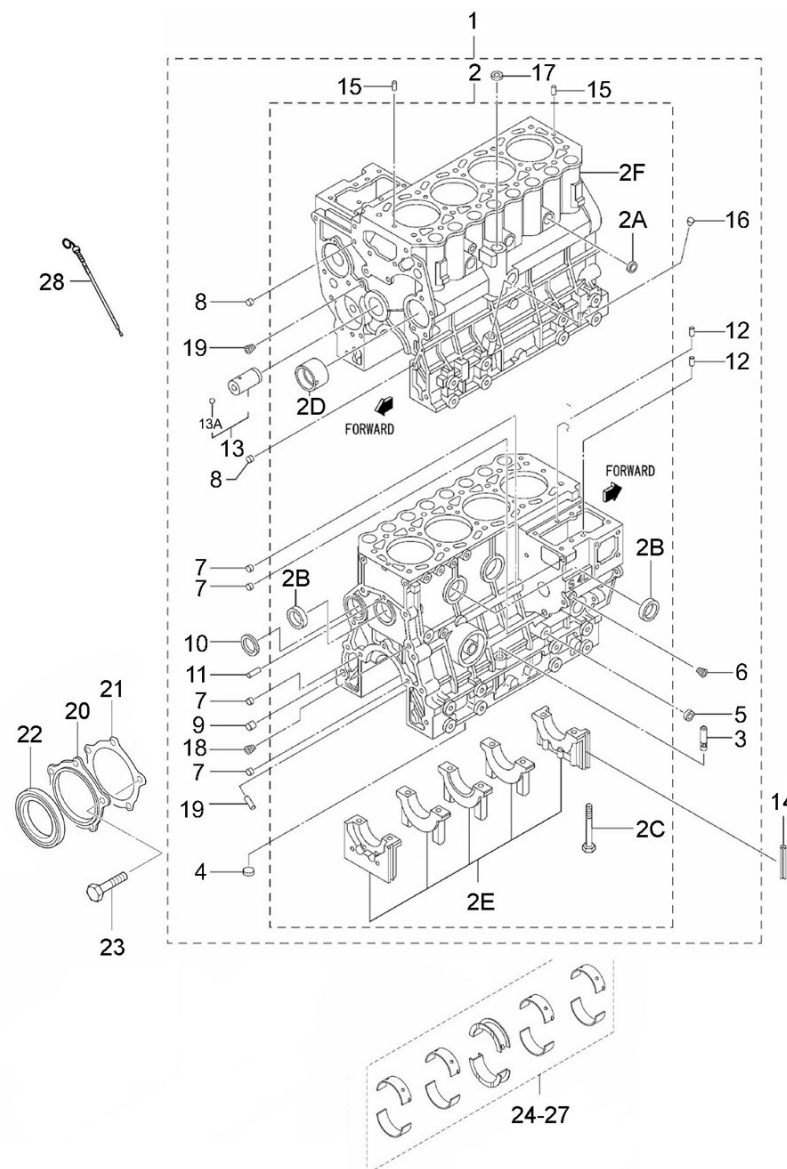


D_MI55_1_4		Timing Parts				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	17322040	1	Shaft, Fuel Injection Pump			
2	13222062	1	Ball Bearing 6228			
3	17222065	1	Washer			
4	13222060	1	KEY			
5A	52102256	1	Bolt DIN 933 M8-16 8.8			
5B	53033008	1	Washer GROWER DIN 127-8			
6	17322035	1	CamShaft			
7	13222020	1	KEY			
8	17422075	1	Plate,THRUST			
9	17422037G.1	2	Bolt W/Washer (Generator)			
10	13222061	8	Tappet			
11	17222041	8	ROD, PUSH			
12	17222037	1	Gear, CamShaft			
13	17322043.1	1	Gear,Injection Pump			
14	17222038	1	Gear Assy, IDLER			
15	17222066G	1	Gear, PRESS. Oil Pump (Generator)			
16	17022067	2	Ball Bearing 6205-C3			

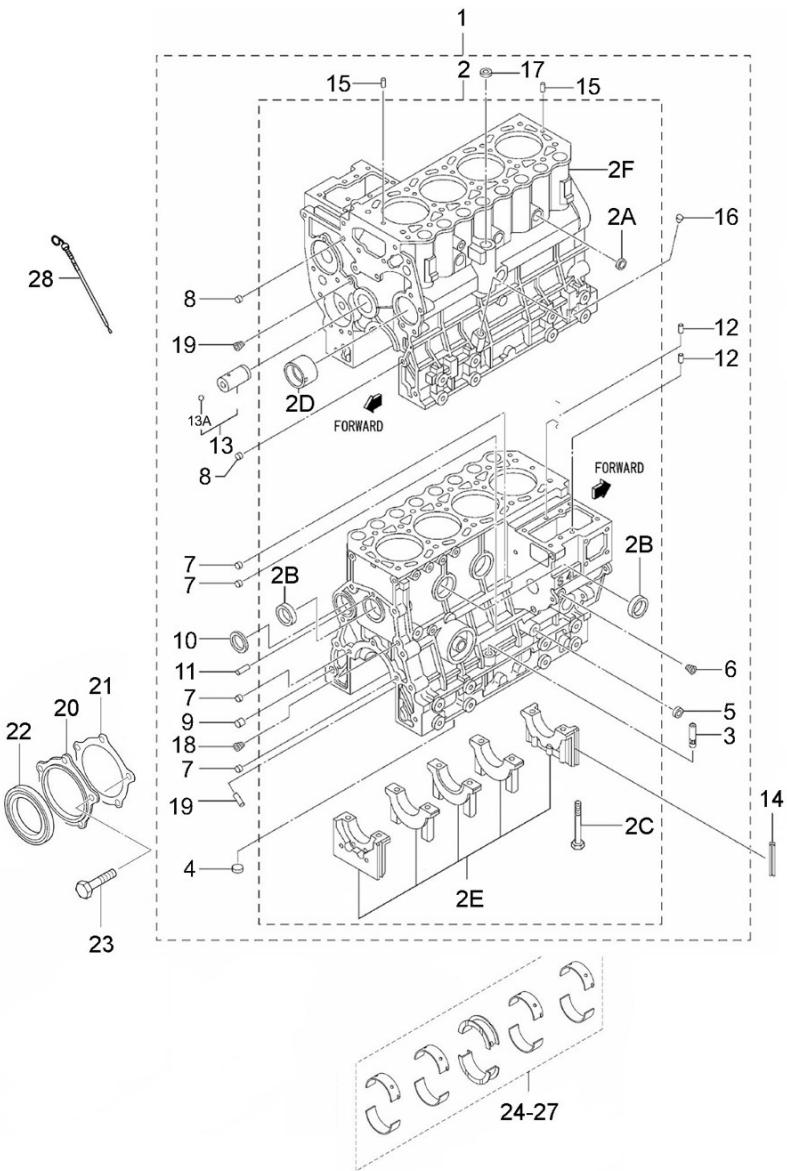


This exploded view diagram illustrates the assembly of a mechanical component, likely a pump or engine housing. The components are numbered 1 through 19. The main housing (1) features a complex internal structure with multiple ports. A gasket (2) is positioned between the housing and the cover (3). The cover (3) is secured by a bolt (4). A flange (5) is attached to the side of the housing. A circular component (6) is shown near the top left. A bolt (7) is used to secure a flange (8) to the housing. A circular component (9) is shown near the bottom left. A bolt (10) is used to secure a flange (11) to the housing. A circular component (12) is shown near the bottom right. A bolt (13) is used to secure a flange (14) to the housing. A circular component (15) is shown near the bottom right. A bolt (16) is used to secure a flange (17) to the housing. A circular component (18) is shown near the bottom right. A bolt (19) is used to secure a flange (20) to the housing.

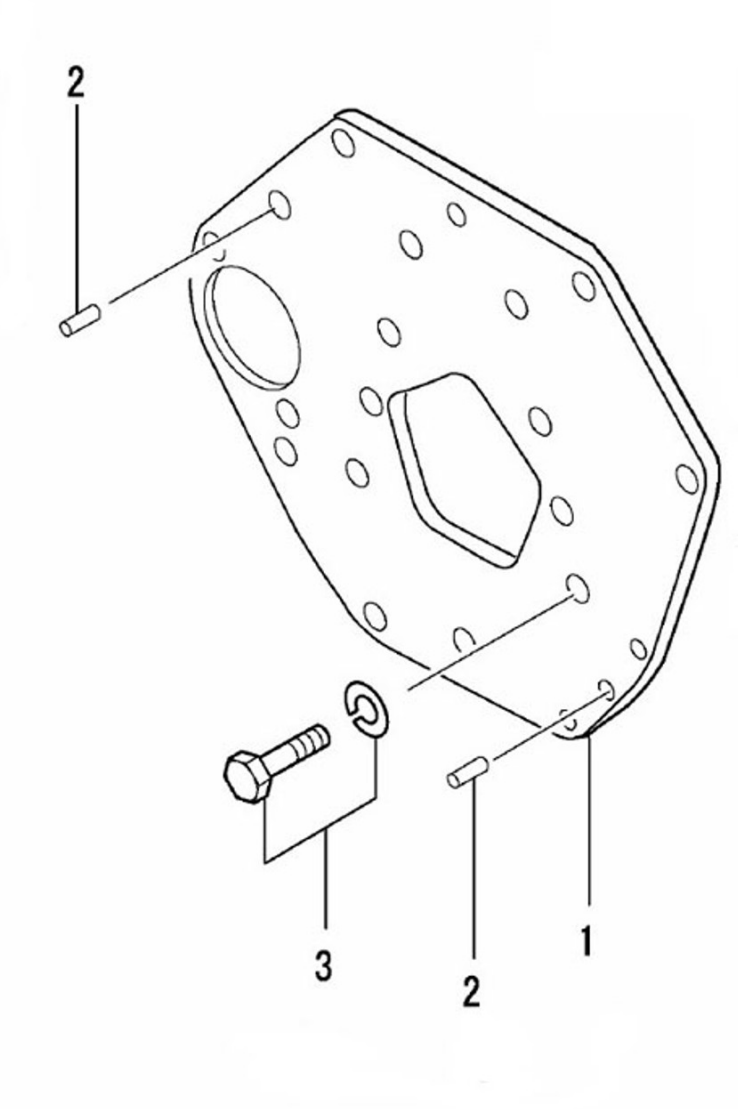
D_MI55_1_6		Crankcase			
Fig.	Ref.	Qty.	Descr.	Obs	From UpTo
1	17720001	1	Block Assy,Cylinder		
2A	17220006	3	Cap, Sealing		
2B	13320006	3	Cap, Sealing		
2C	17220009	10	Bolt Bearing Cap		
2D	17220011	1	Bushing, CamShaft		
2E	(*)	2	Not available		
3	13220007	1	Guide		
4	17220012	1	Cap, Sealing		
5	17220013	1	Cap, Sealing		
6	17820011	1	Plug, Tapered		
7	13120009	4	Bushing		
8	13220021	2	Bushing KNOCK		
9	13220022	1	BUSHING,KNOCK		
10	17220019	1	Plug, Expansion		
11	17620020.4	1	Pin		
12	17620036.4	2	Pin Dowel		
13	17220014	1	Shaft Assy, IDLER		
13A	17220028	1	Ball		
14	17220002	4	Seal, Side		
15	17120019	2	Pin, dowel		
16	17220023	1	Plug, TAPER		
17	17020014	1	Cap		
18	17720011	2	Plug,TAPERED		
19	17720012	4	Pipe,Oil JET		
20	17220015	1	Case, Oil Seal		
21	17220016	1	Gasket, Oil Seal Case		
22	17220063	1	Seal, Oil		
23	17220059	5	Bolt		
24	17720003	1	Bearing Set,MAIN STD.		
25	17720004	1	Bearing Set,MAIN U.S 0.25		
26	17720005	1	Bearing Set,MAIN U.S 0.50		



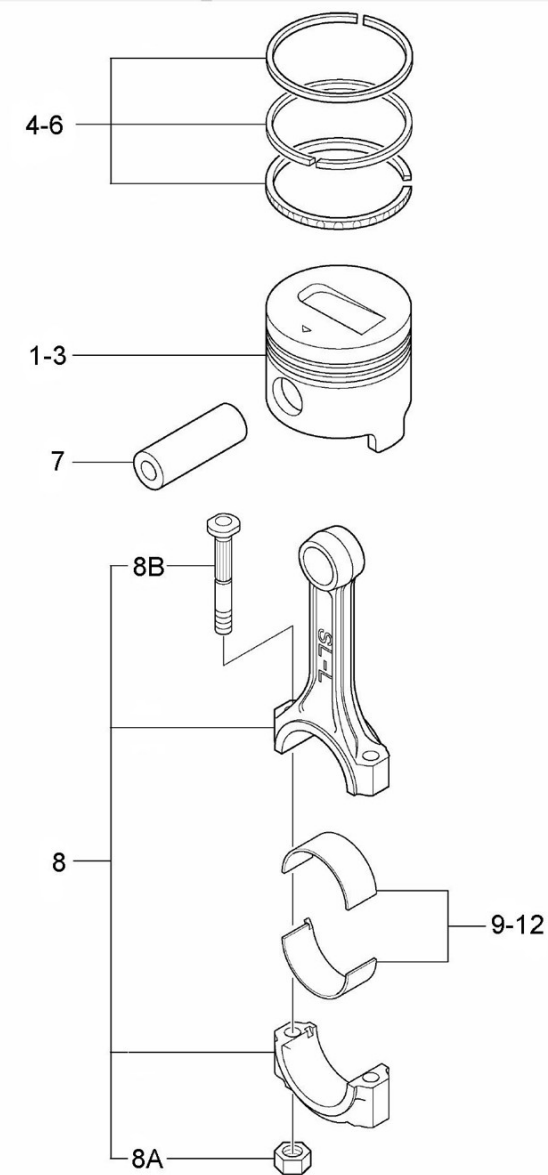
D_MI55_1_6						Cranckcase
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
27	17720006	1	Bearing Set,MAIN U.S 0.75			
28	17220029	1	Gauge Oil LEVEL			



D_MIC1_1_7				Rear Plate		
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	17220017	1	Plate, REAR			
2	13220026	2	Pin KNOCK (10X12)			
3A	52202359	8	Bolt DIN 933 M12-1,25-30 8.8			
3B	53033008	8	Washer GROWER DIN 127-8			

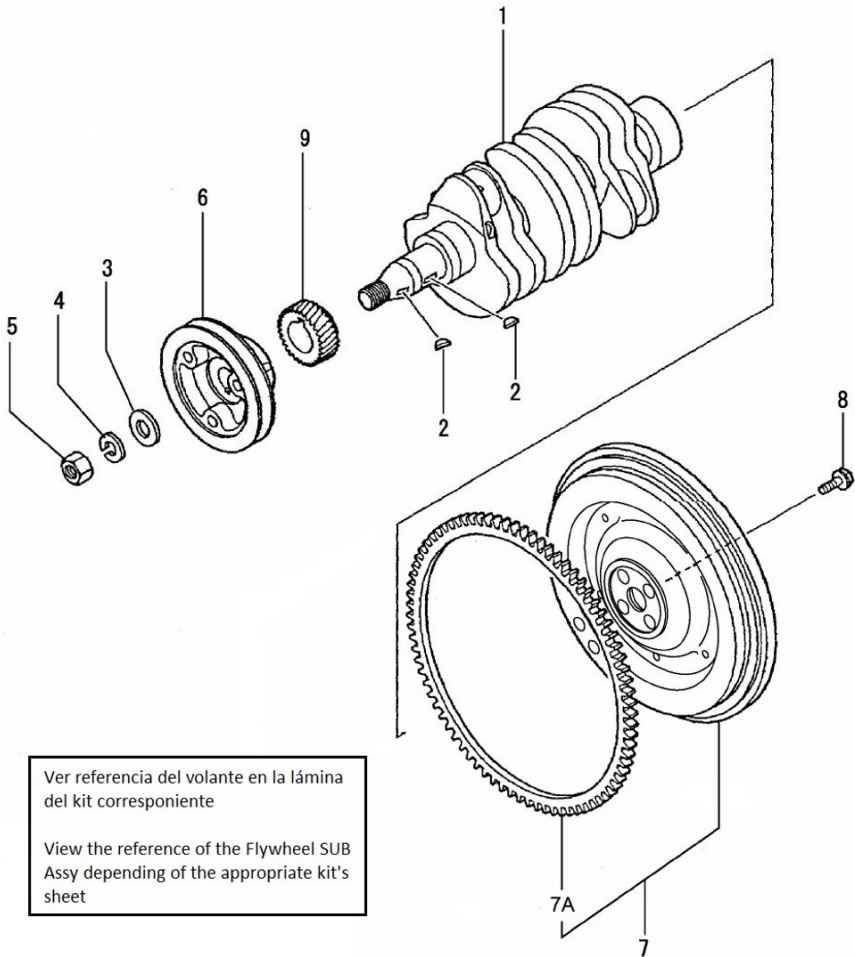


D_MI55_1_8		Piston & Connection Rod				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	17722001	4	Piston STD.			
2	17722002	4	Piston O.S 0.25			
3	17722003	4	Piston O.S 0.50			
4	17722006	4	Ring Set,Piston STD.			
5	17722007	4	Ring Set,Piston O.S 0.25			
6	17722008	4	Ring Set,Piston O.S 0.50			
7	17222009	4	Pin, Piston			
8	17322010	4	ROD Assy, CONNECTING			
8A	17022011	8	Nut,connecting rod			
8B	17222013	8	Bolt,connecting rod			
9	17222014	4	Metal Set, Con Rod STD.			
10	17222015	4	METAL Set, CON ROD - 0,25			
11	17222016	4	METAL Set, CON ROD - 0,50			
12	17222017	4	METAL Set, CON ROD - 0,75			

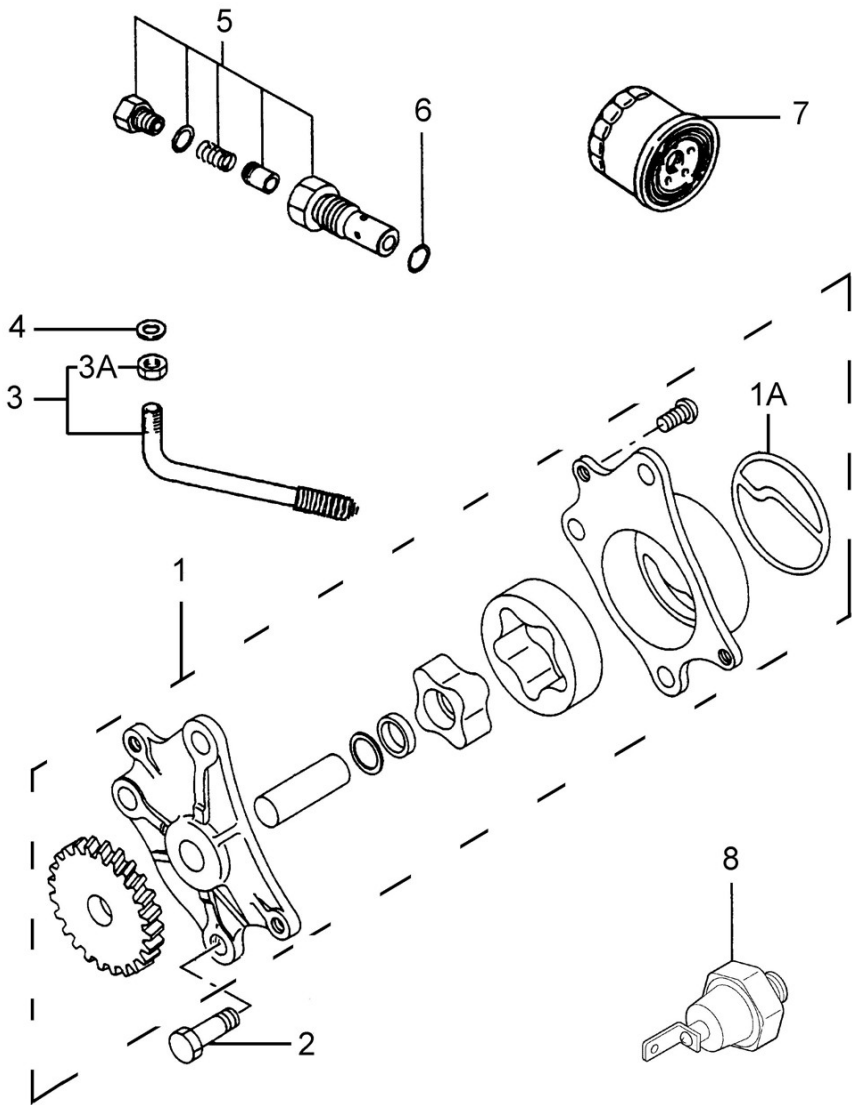


D_MI55_1_9 Crankshaft & Flywheel					
Fig.	Ref.	Qty.	Descr.	Obs	From UpTo

1	17322018	1	CrankShaft		
2	13222020	2	KEY		
3	17222051	1	Washer, Plain		
4	53033018	1	Washer GROWER DIN 127-18		
5	13222026	1	Nut		
6	17322024	1	Pulley CrankShaft		
7	17322027	1	Flywheel Sub Assy		
7A	13222029	1	Gear		
8	17022031	4	Bolt Drive		
9	17222021	1	Gear, CrankShaft		



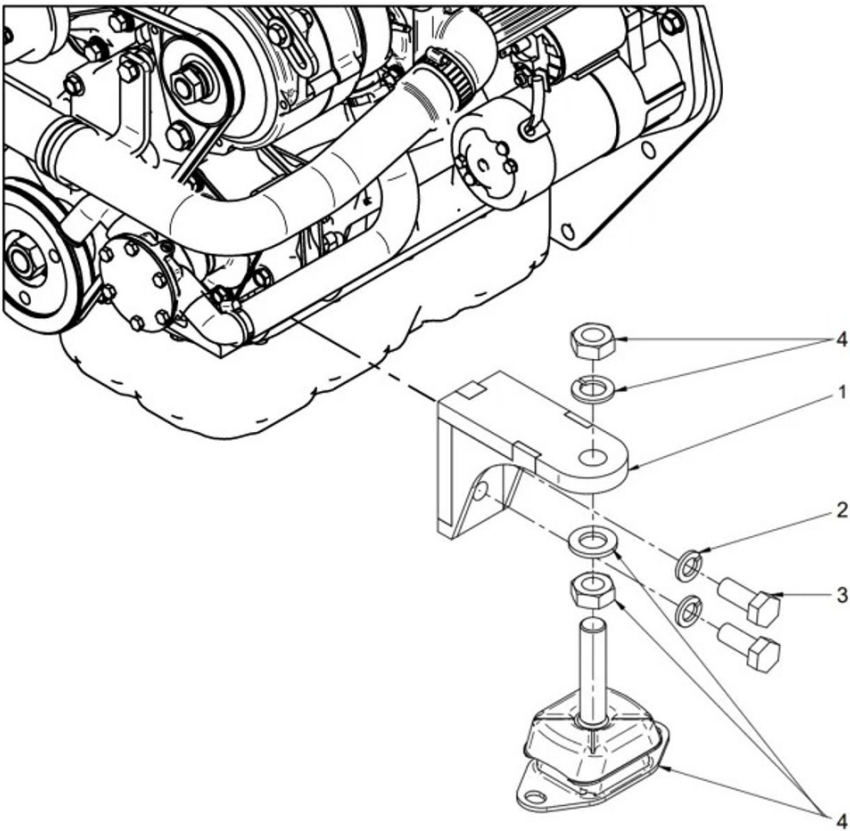
D_MI55_1_10		Oil System				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	17224040	1	Pump Assy, Oil			
1A	17224041	1	Packing, Body			
2	52102257	3	Bolt DIN 933 M8-20 8.8			
3	13224052	1	SCREEN Assy Oil			
3A	13822026	1	Nut			
4	17024001	1	Gasket			
5	17524071	1	Valve Assy,RELIEF			
6	17424063	1	Gasket			
7	13124051	1	Oil Filter Element from MINI 11 to 55			
8	17127027.1	1	SWITCH, oil pressure			



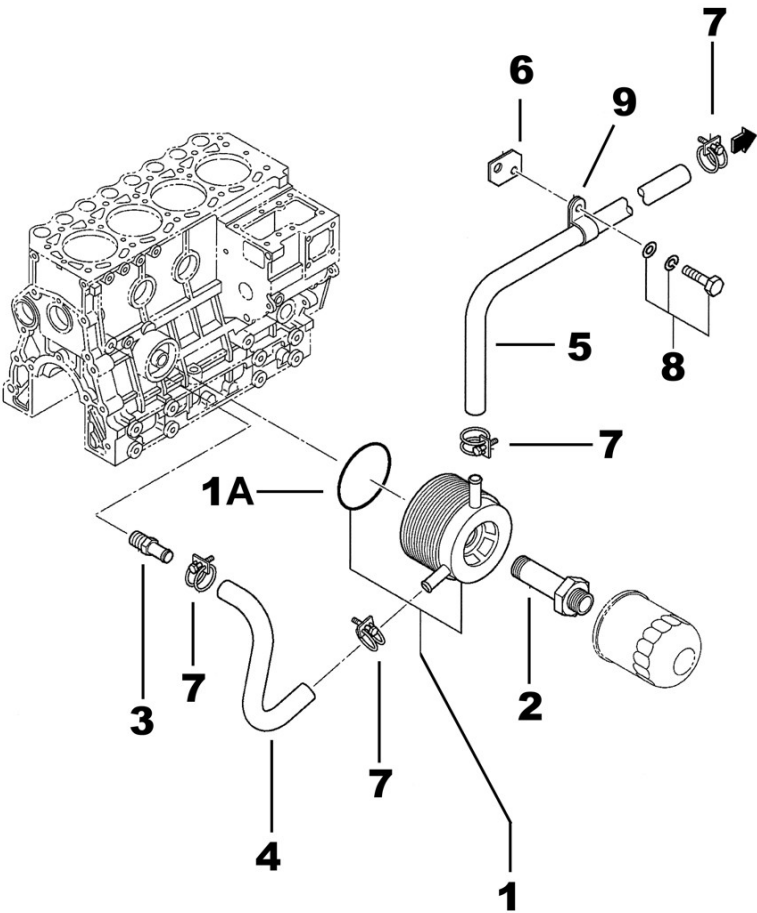
Pasta para juntas /
Gasket paste

1 2 3 4 5 6 7 8 9 10

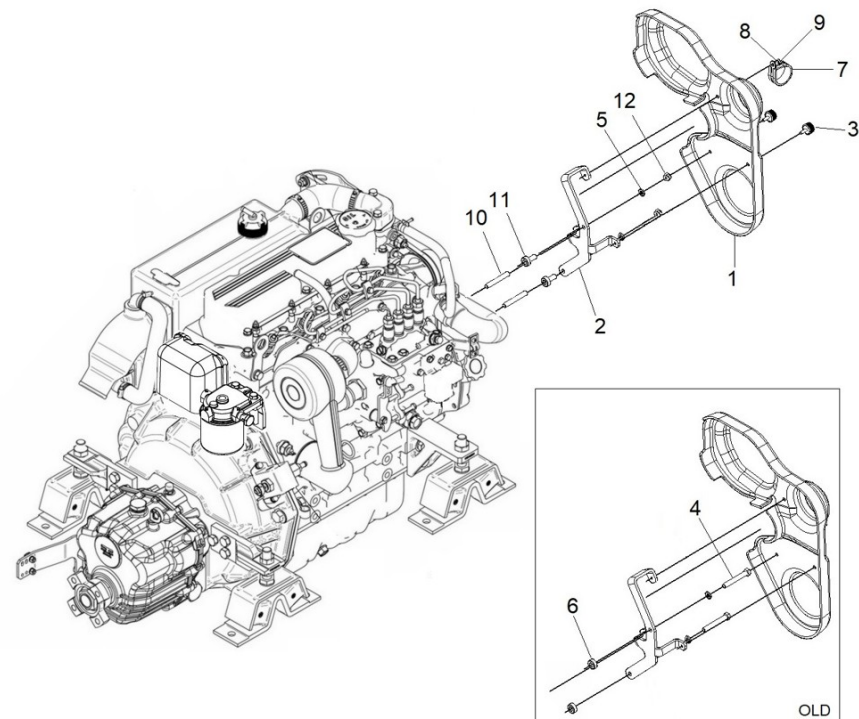
D_MID2_1_12		Engine Brackets				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	17210028	2	Bracket, Front			
2	53033012	4	Washer Grower DIN 127-12			
3	52202358	4	Bolt DIN 933 M12-1,25-25 8.8			
4	61673100	4	Engine Mount Type D 45 SHA M16 H 114			



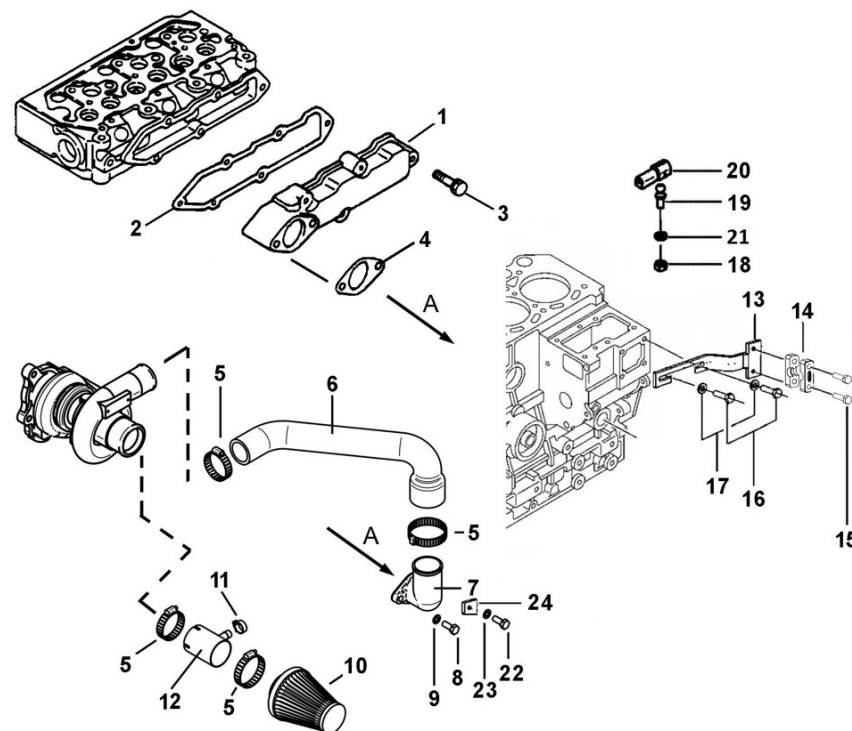
D_MI55_1_13		Oil Cooler				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	17724085	1	Cooler Assy,Oil			
1A	17724086	1	O-Ring			
2	17724087	1	Connector			
3	17724088	1	JOINT,Water			
4	17724089	1	Hose,Water			
5	17724090	1	Hose			
6	17724091	1	STAY			
7	17121036	4	Clamp, hose			
8	13325011	1	Bolt			
9	17724092	1	Clip			



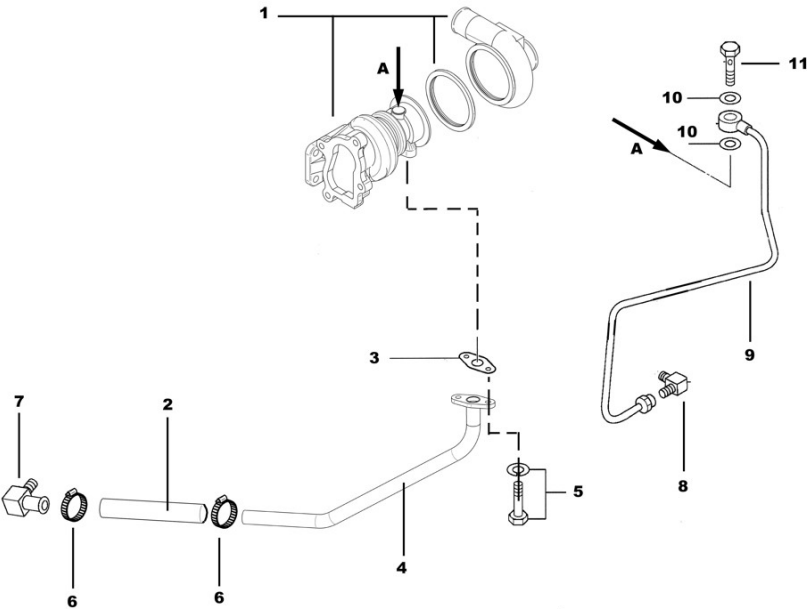
D_MIG1_1_14 Belt Protection					
Fig.	Ref.	Qty.	Descr.	Obs	From UpTo
1	17210037	1	Belt Protection		
2	17210036	1	Bracket		
3	13810247	2	Grip Knob M6		
4	52101265	2	Bolt DIN 931 M8-60 8.8		01/05/2022
5	53033008	2	Washer GROWER DIN 127-8		
6	12117044	2	Spacer		01/05/2022
7	59071383	1	Clamp TYP.1 38/15 W1		
8	51030006	1	Washer DIN 125-6		
9	52102156	1	Bolt DIN 933 M6-16 8.8		
10	52111265	2	Rod DIN 913 M8-60 14.9		01/05/2022
11	17210041	2	Anti Vibration Mount 25x10 M8		01/05/2022
12	52120008	2	Nut DIN 934 M8 8.8		01/05/2022



D_MIG1_2_1		Inlet				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	17721030	1	Cover,Inlet			
2	17321032.1	1	Gasket,Inlet Cover			
3	52101260	5	Bolt DIN 931 M8-35 8.8			
4	17221034	1	Gasket, Inlet Pipe			
5	54082032	4	Clamp DIN 3017 32-50/12 W4			
6	17710009	1	Inlet Pipe			
7	17721029	1	Pipe,Inlet			
8	52102257	2	Bolt DIN 933 M8-20 8.8			
9	53038008	2	Washer DIN 6798-A 8			
10	17710012.2	1	Air Filter			
11	54081008	1	Clamp DIN 3017 8-16 W4			
12	17710010	1	TUYAU			
13	17319003	1	Bracket, Engine Control			
14	13819001	2	Half Flange Morse Cable			
15	52102108	2	Bolt DIN 933 M5-20 8.8 CINCADO			
16	52102157	2	Bolt DIN 933 M6-20 8.8			
17	51030006	2	Washer DIN 125-6			
18	52120006	1	Nut DIN 934 M6 8.8			
19	14419023	1	Ball JOINT			
20	15119015	1	CABLE Holder Ball			
21	53033006	1	Washer GROWER DIN 127-6			
22	52102258	1	Bolt DIN 933 M8-25 8.8		16/08/2022	
23	53033008	1	Washer GROWER DIN 127-8		16/08/2022	
24	17724091	1	STAY			

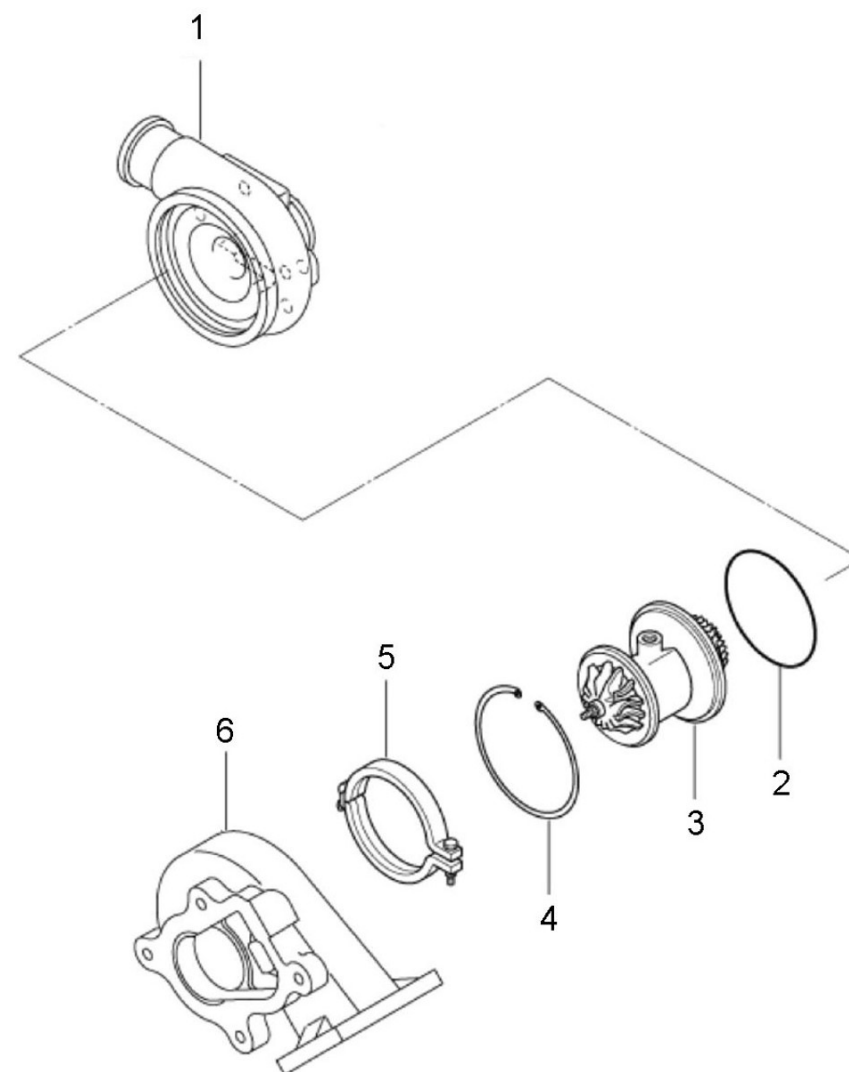


D_MI55_2_2		Turbocharger				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	17728002R	1	Turbocharger, Assy (Replacement)			
2	17728007	1	Hose,Oil			
3	17712004	1	Gasket			
4	17712005	1	Pipe			
5	17620054	2	Bolt			
6	54082025	2	Clamp DIN 3017 25-40/12 W4			
7	17728008	1	Elbow			
8	17712007	1	Elbow 1/8" GAS			
9	17712006	1	Pipe			
10	56000061	2	Washer 10-16-1,5			
11	17728006	1	Screw, Racord			

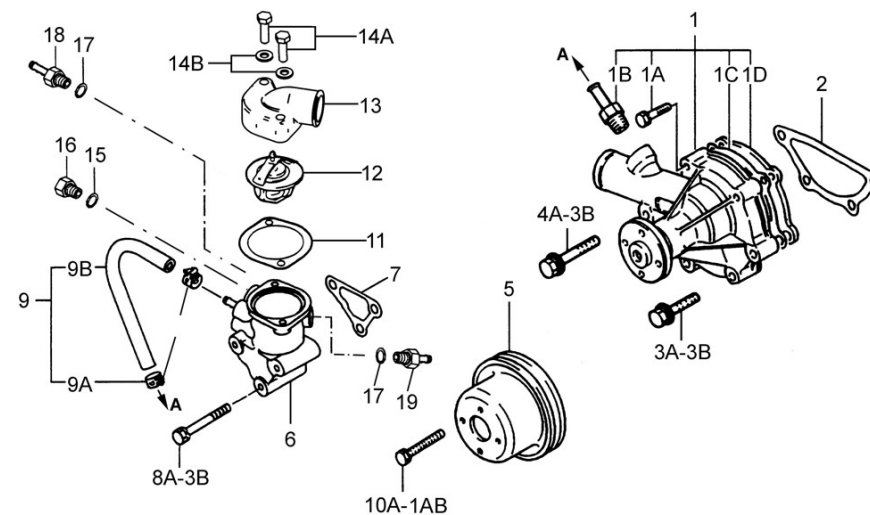


D_MI55_2_3 Spare parts, Turbocharger

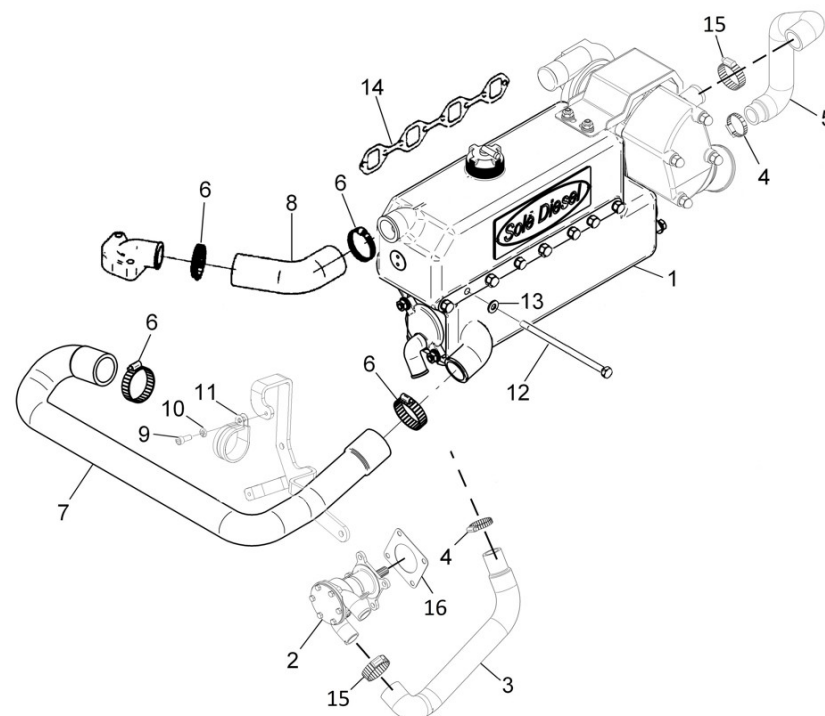
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	17728002.1	1	Turbocharger, Couch			
2	17728002.2	1	Gasket, CONCH			
3	17728002.6	1	Rotor, Turbine			
4	17728002.10	1	Ring, Snap			
5	17728002.9	1	Coupling Assy			
6	17728002.8	1	Turbine Housing Assy			
NS	17728002.7	1	Pin			



D_MI55_3_1		Water Pump			
Fig.	Ref.	Qty.	Descr.	Obs	From UpTo
1	17721020.1	1	Pump Assy Water		
1AA	52102159	2	Bolt DIN 933 M6-30 8.8		
1AB	53033006	6	Washer GROWER DIN 127-6		
1B	17721026	1	JOINT,Water Hose		
1C	13221041	1	Gasket Water Pump		
1D	13221042	1	Plate Water Pump		
2	13221022	1	Gasket Water Pump		
3A	52101262	3	Bolt DIN 931 M8-45 8.8		
3B	53033008	7	Washer GROWER DIN 127-8		
4A	52101265	1	Bolt DIN 931 M8-60 8.8		
5	17221021	1	Pulley,Water Pump		
6	17221037	1	Assy Thermostat		
7	17221033	1	Gasket, Thermostat Case		
8A	13224062	3	Bolt		
9	17221025	1	Hose Assy		
9A	17221023	2	Clamp		
9B	17721024	1	Hose,BY-PASS		
10A	52102155	4	Bolt DIN 933 M6-12 8.8		
11	17221031	1	Gasket,Thermostat		
12	17221027	1	Thermostat		
13	17211020	1	Fitting, Water Outlet		
14A	52101260	2	Bolt DIN 931 M8-35 8.8		
14B	53038008	2	Washer DIN 6798-A 8		
15	17121013	1	Gasket		
16	17121016	1	Plug, drain		
17	56000073	2	Copper Washer 16-23-1,5		
18	60900980	1	Temperature Sensor		
19	60900070	1	Thermo-Switch 97°C		

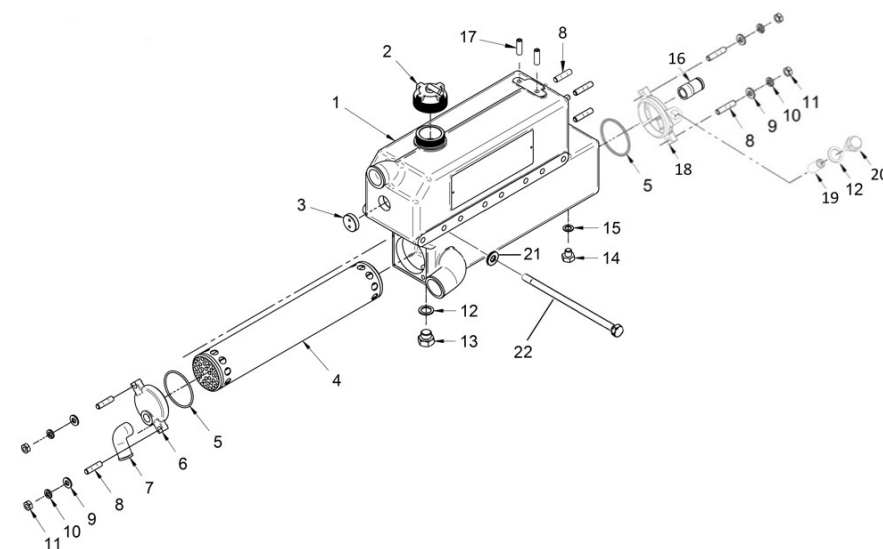


D_MIG1_3_2		Cooler Pipes				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	17711005R	1	Water Cooler Assy MINI-55 (Spare Part)			
2	37711000	1	Splined Pump 3/4" MINI-55v6			
3	17711003	1	Elbow			
4	54081020	2	Clamp DIN 3017 20-32/9 W4			
5	17711002	1	Elbow			
6	54082032	4	Clamp DIN 3017 32-50/12 W4			
7	17211006	1	Hose			
8	17211021	1	Elbow			
9	52103156	1	Bolt DIN 912 M6-16 8.8			
10	53033006	1	Washer GROWER DIN 127-6			
11	51071373	1	Clamp 31-40/15 W1			
12	54101323	8	Bolt DIN 931 M8-140 Inox.			
13	56000057	8	Washer 8-13-1,5			
14	17321035	1	Gasket			
15	54082025	2	Clamp DIN 3017 25-40/12 W4			
16	13120047	1	Gasket Water Pump			

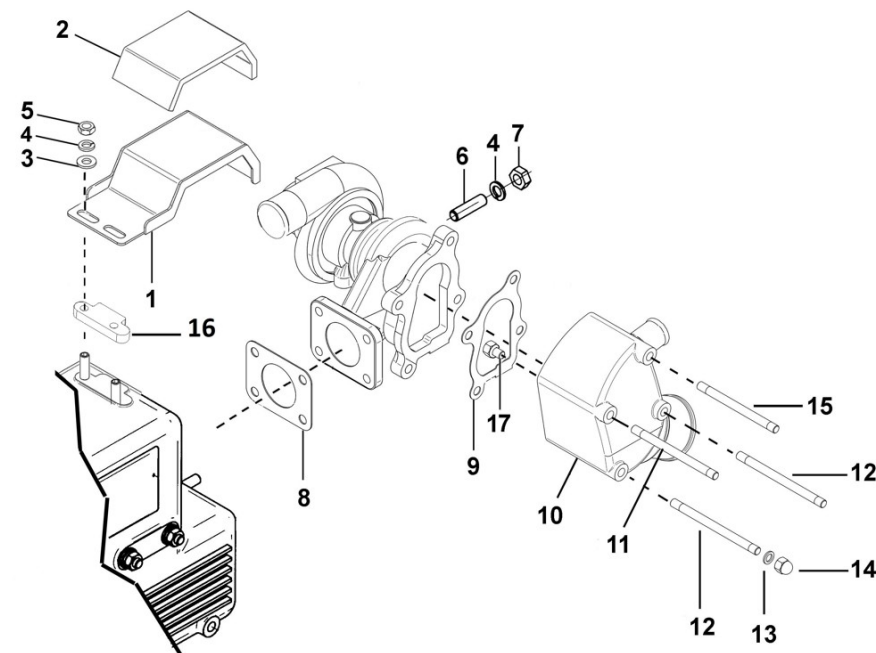


D_17711005R Water Cooler Assy MINI-55 v6

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	17711006	1	Body, Water Cooler			
2	13811010	1	Cap			
3	12113092	1	Plug			
4	17011004	1	Tubular Bundle			
5	13811007	2	O-Ring D. 57X2,5			
6	13811002	1	Water Cooler Cover			
7	13211027	1	Water Inlet Bend			
8	13311006	8	Stud,cover			
9	51030008	4	Washer DIN 125-8			
10	53033008	4	Washer GROWER DIN 127-8			
11	54120008	4	Nut DIN 934 M8			
12	56000073	2	Copper Washer 16-23-1,5			
13	12111076	1	Plug			
14	54102306	1	Bolt DIN 933 M10-16 INOX.			
15	56000061	1	Washer 10-16-1,5			
16	13211031	1	Raccord 1/2"			
17	52111261	2	ROD DIN 913 M8-40 14.9			
18	17211042	1	Water Cooler Cover			
19	13811043	1	Engine Anode 29.5 mm M.8			
20	18011009	1	Anode Plug			
21	56000057	8	Washer 8-13-1,5			
22	54101323	8	Bolt DIN 931 M8-140 Inox.			
NS	17711040	1	MINI-55 Cooler Adhesive			
NS	17713003	1	Gasket			

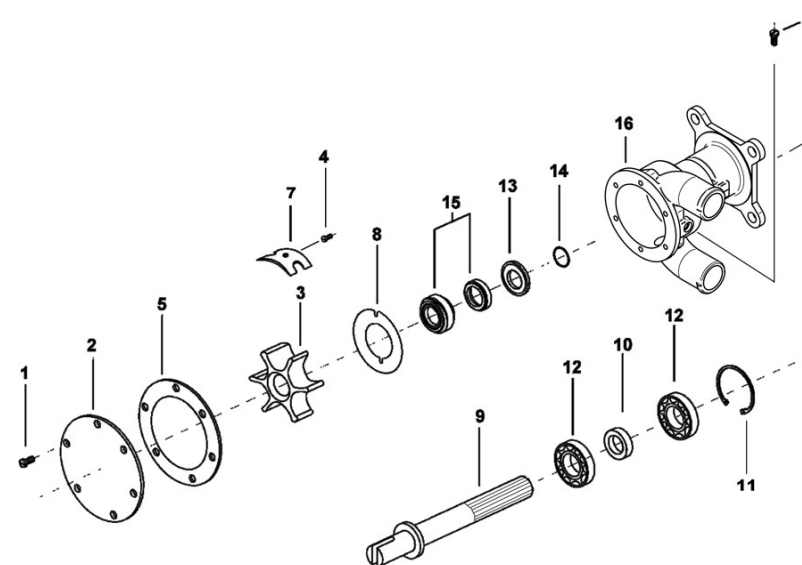


D_MIG1_3_3			Wet Exhaust			
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	1A013002C	1	Turbocharger Protection			
2	17713002.3	1	Termic, Bucklers			
3	51030008	2	Washer DIN 125-8			
4	53033008	6	Washer GROWER DIN 127-8			
5	54120008	2	Nut DIN 934 M8			
6	13311006	4	Stud,cover			
7	52120008	4	Nut DIN 934 M8 8.8			
8	17713003	1	Gasket			
9	17713016	1	Gasket			
10	17713015.2	1	Elbow, Wet Exhaust			
11	17713005	1	Stud			
12	17713004	2	Stud			
13	56000201	4	Copper Washer 8-13-3			
14	55122008	4	Nut DIN 1587 M8			
15	17713006	1	Stud			
16	17713007	1	Spacer			
17	55102405	1	Bolt DIN 933 M14-1,50-12 Brass		10/06/2024	

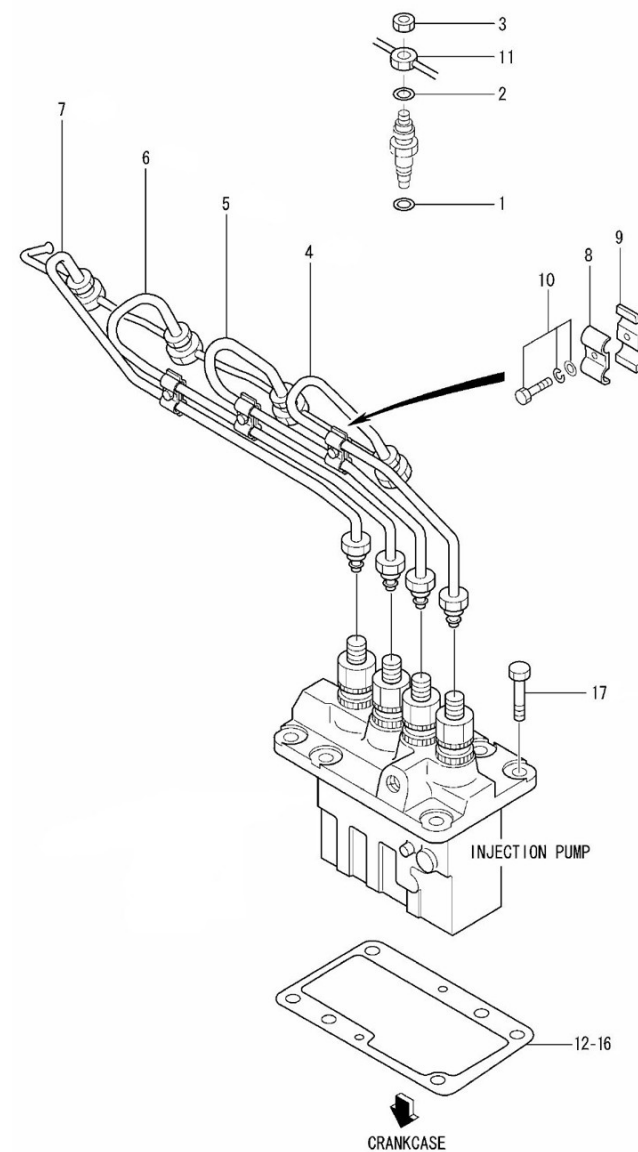


37711000 Splined Pump 3/4" MINI-55v6

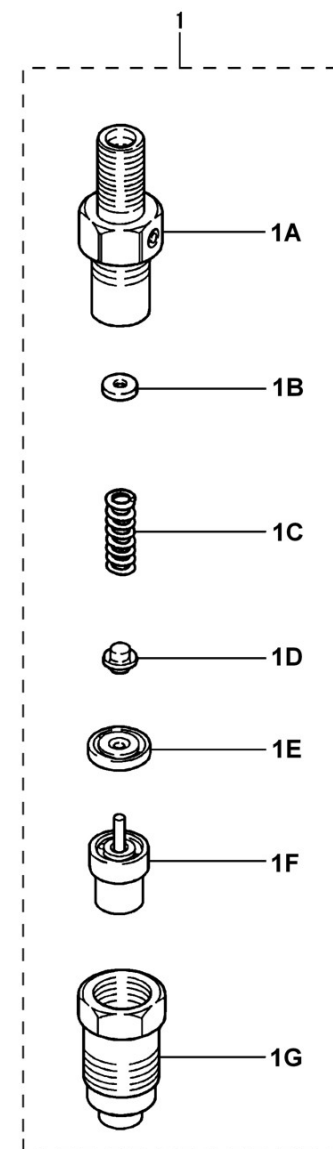
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	54102104	6	Bolt DIN 933 M5-10 INOX.			
2	31211002	1	Cover Pump			
3	35111008	1	3/4" Impeller			
4	33411017	1	Pin,Dowel			
5	35211003	1	Gasket,cover			
6	55307104	1	Bolt DIN 86 W3/16-10			
7	37711005	1	Cam			
8	35211026	1	Plate,friction			
9	37711010	1	Shaft,Water Pump			
10	37711015	1	Bushing,Spacer			
11	53041035	1	CIRClip DIN 472 I-35			
12	37711014	2	Ball Bearing 6202			
13	33411020	1	Seal			
14	33311013	1	O-Ring D. 15X2			
15	33411019	1	Seal			
16	37711001	1	Body,Water Pump			
NS	34711041	1	Impeller Plug			



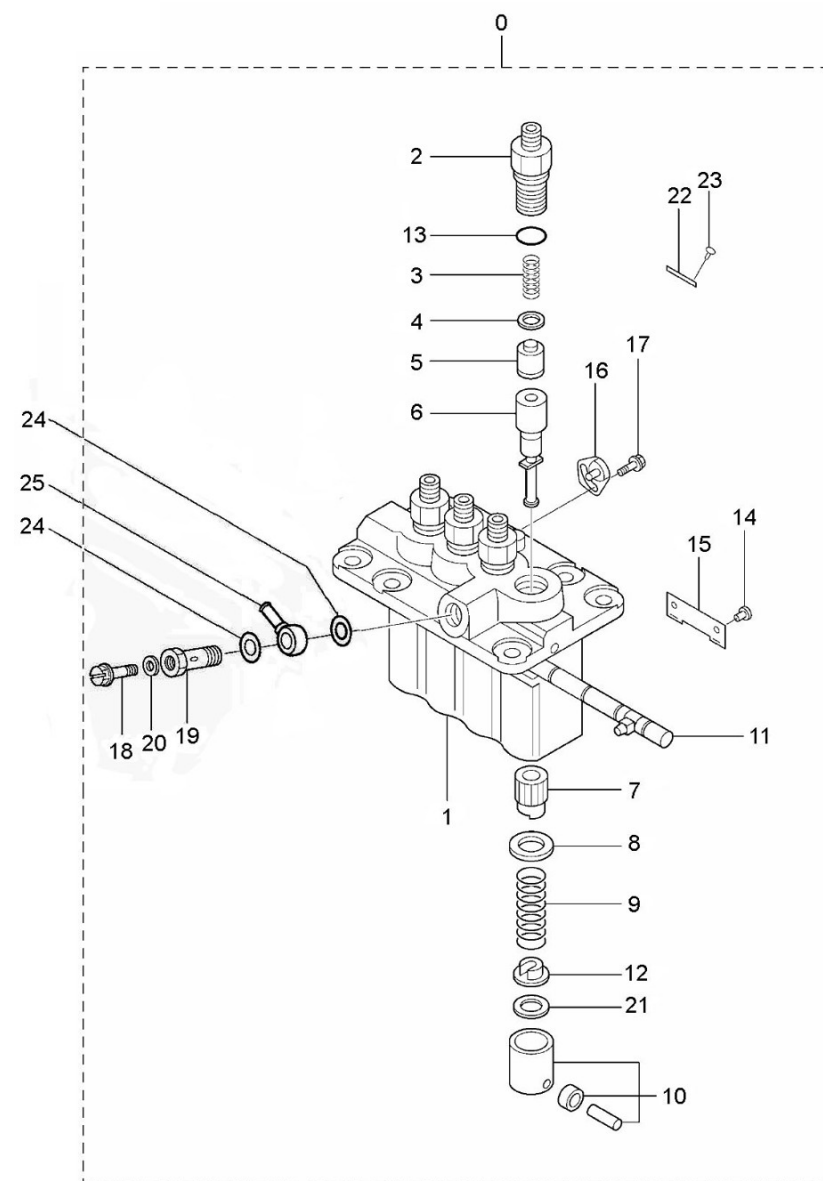
D_MI55_4_1		Fuel Pipe				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	13824013	4	Injector Washer			
2	13824025	4	Injector Gasket			
3	13824024	4	Nut			
4	17224015	1	Pipe Injection N.1			
5	17224016	1	Pipe Injection N.2			
6	17224019	1	Pipe Injection N.3			
7	17324020	1	Pipe Injection N.4			
8	13124018	3	Clamp (A)			
9	13124017	3	Clamp (B)			
10	17524025	3	Bolt,W/Washer			
11	17324002	1	Assy,Fuel Return			
12	13224008	0	Shim Adjusting T=0,7mm	#		
13	13224009	0	Shim Adjusting T=0,8mm	#		
14	13224010	0	Shim Adjusting T=0,9mm	#		
15	13224011	0	Shim Adjusting T=1,0mm	#		
16	13224003	0	Shim Adjusting T=0,2mm	#		
17	17220059	6	Bolt			



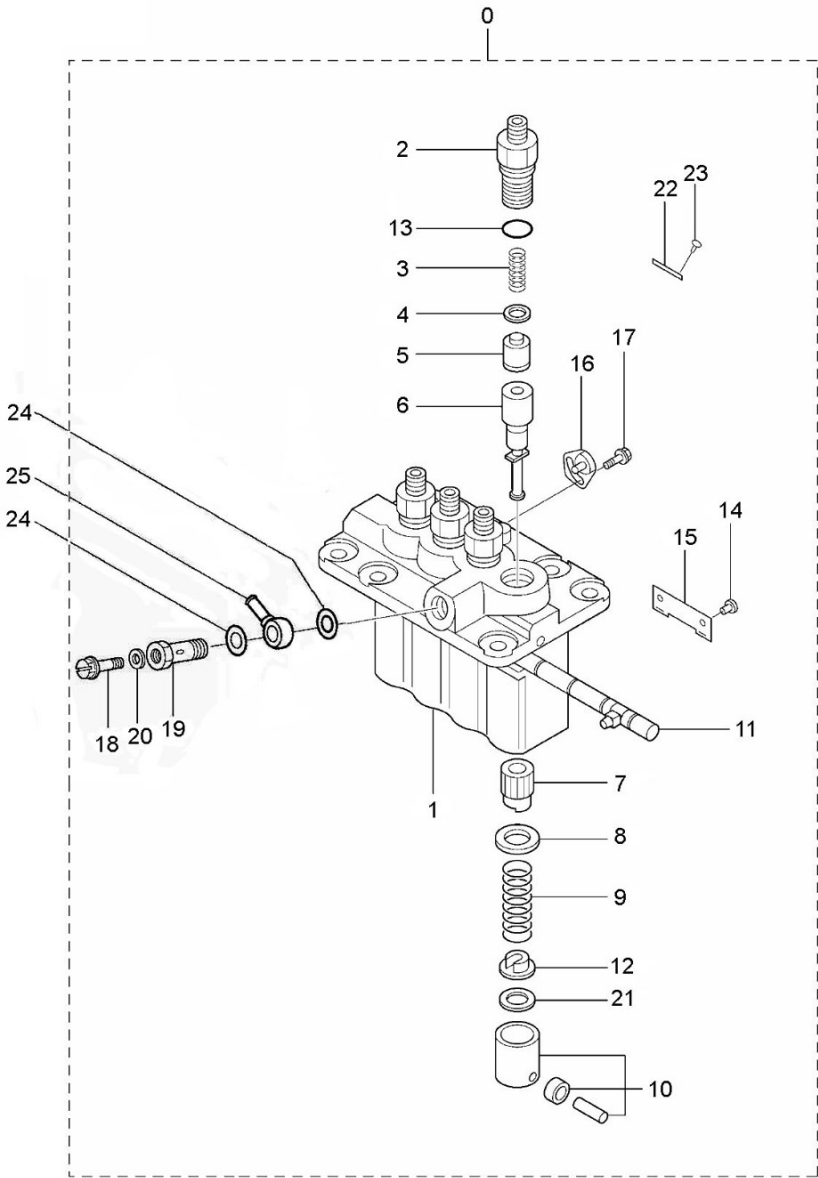
D_MID1_4_2		Injection Nozzle				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	13826001	4	Nozzle & Holder A			
1A	13826002	4	Body Assy			
1BA	13826010	0	Washer 1,25	#		
1BB	13826011	0	Washer 1,30	#		
1BC	13826012	0	Washer 1,35	#		
1BD	13826013	0	Washer 1,40	#		
1BE	13826014	0	Washer 1,45	#		
1BF	13826015	0	Washer 1,50	#		
1BG	13826016	0	Washer 1,55	#		
1BH	13826017	0	Washer 1,60	#		
1BI	13826019	0	Washer 1,65	#		
1BJ	13826020	0	Washer 1,70	#		
1C	17226004	4	Spring, Pressure			
1D	13826003	4	Pin Pressure			
1E	13826007	4	PIECE DISTANCE			
1F	13826018	4	Nozzle Assy			
1G	17226006	4	Nut, Nozzle RETAINING			



D_MI55_4_3		Fuel Injection Pump				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
0	17725001	1	Pump Assy,Fuel INJ			
1	17325005	1	Housing SUB Assy			
2	13125004	4	Holder DELIVERY V			
3	17225002	4	Spring DELIVERY Valve			
4	13925007G	4	Gasket			
5	17225008	4	Valve SUB Assy			
6	13425009	4	Element Assy Pump			
7	13125010	4	SLEEVE			
8	13125011	4	Seat Spring Upper			
9	13125012	4	Spring Plunger			
10	13125021	4	Tappet SUB Assy			
11	17025006	1	RACK Control			
12	13125013	4	Seat Spring LOWER			
13	17225033	4	O-Ring			
14	13125022	4	Pin Tappet Guide			
15	13125023	2	Plate			
16	13125030	3	Plate Assy Pressure			
17	17225028	3	Bolt, With Washer			
18	13125026	1	Screw Air BRETATH			
19	13325201	1	Screw, Racord			
20	17225025	1	Washer, Pipe Union			
21A	13125014	0	Shim T=0,60	#		
21B	13125015	0	Shim T=0,2	#		
21C	13125016	0	Shim Adjusting T=0,3	#		
21D	13125017	0	Shim T=0,4	#		
21E	13125018	0	Shim T=0,5	#		
21F	13125019	0	Shim Adjusting T=0,25	#		
21G	13125020	0	Shim Adjusting T=0,35	#		
21H	13725021	0	Shim Adjusting T=0,45MM.	#		
21I	13725022	0	Shim Adjusting T=0,55MM.	#		
21J	13725023	0	Shim Adjusting T=0,65MM.	#		



D_MI55_4_3		Fuel Injection Pump				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
22	(*)	1	Not available			
23	13125003	2	RIVET			
24	13224001	2	Washer			
25	17324017	1	COLOR, Union			

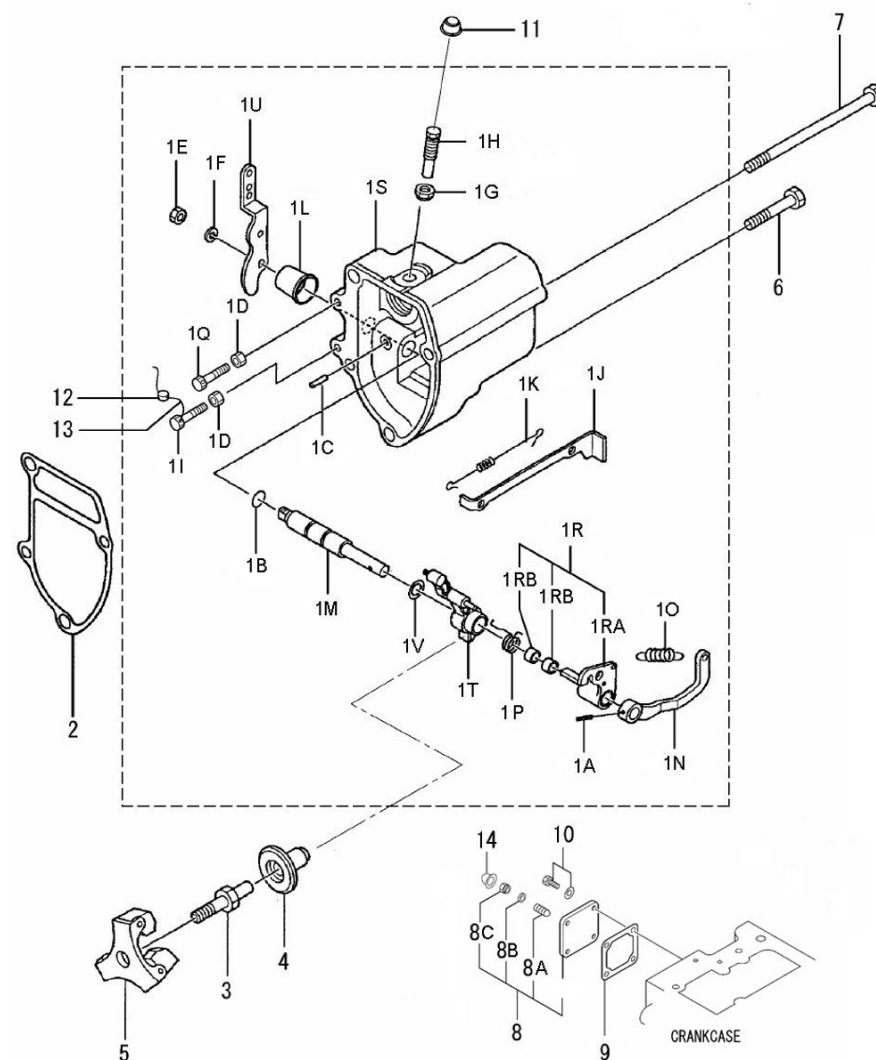


Exploded view diagram of a mechanical assembly. The diagram shows the following components and their assembly relationships:

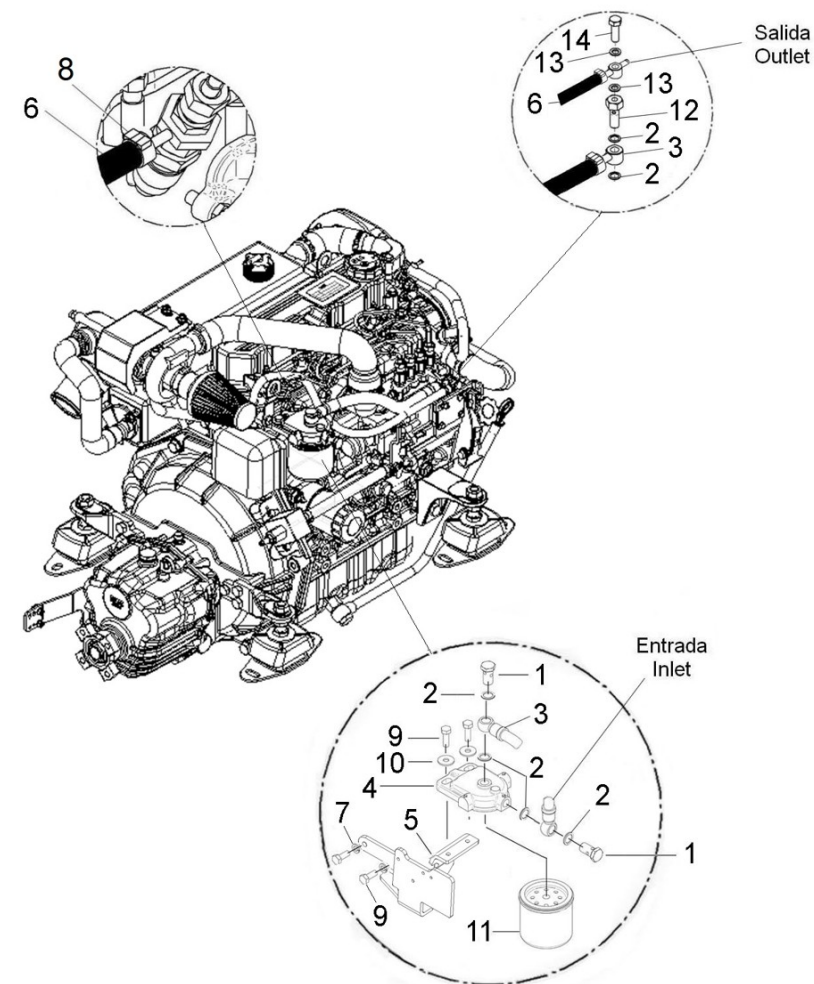
- 1**: Main housing or block.
- 1A**, **1B**, **1C**, **1D**, **1E**, **1F**, **1G**, **1H**, **1I**, **1J**, **1K**, **1L**, **1M**, **1N**, **1O**, **1P**, **1Q**, **1R**, **1S**, **1T**, **1U**: Various internal and external components, including pins, washers, and structural parts.
- 2**: A bracket or cover plate on the left.
- 3**: A pin or bolt.
- 4**: A circular component, possibly a seal or washer.
- 5**: A base plate or mounting bracket.
- 6**: A long pin or bolt.
- 7**: A long rod or shaft.
- 8**, **8A**, **8B**, **8C**: Components related to the crankcase.
- 9**: The **CRANKCASE**.
- 10**, **11**, **12**, **13**: Additional components and fasteners.

The diagram includes a dashed box indicating the main assembly area and a small detail view showing the assembly of parts 4 and 5.

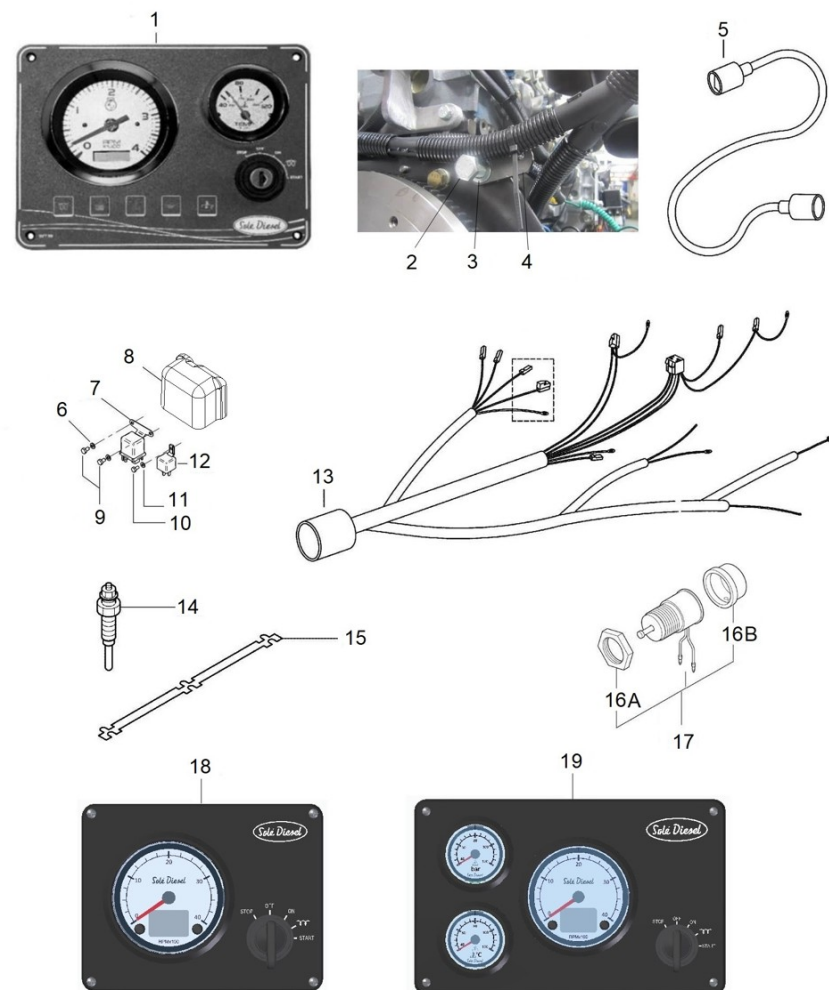
D_MI55_4_4			Governor Parts			
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
8A	(*)	1	Not available			
8B	13423022	1	Screw Adjusting			
8C	17023020	1	Gasket			
8D	13423021	1	Nut SPECIAL (6)			
9	13223014	1	Gasket Cover			
10A	52102256	4	Bolt DIN 933 M8-16 8.8			
10B	53033006	4	Washer GROWER DIN 127-6			
11	17623042	1	Cap,TORQUE Set			
12	13123019	1	Metal Sealing			
13	17623020.4	1	Metal,Fuel			
14	13423023	1	Cap SeallNG			



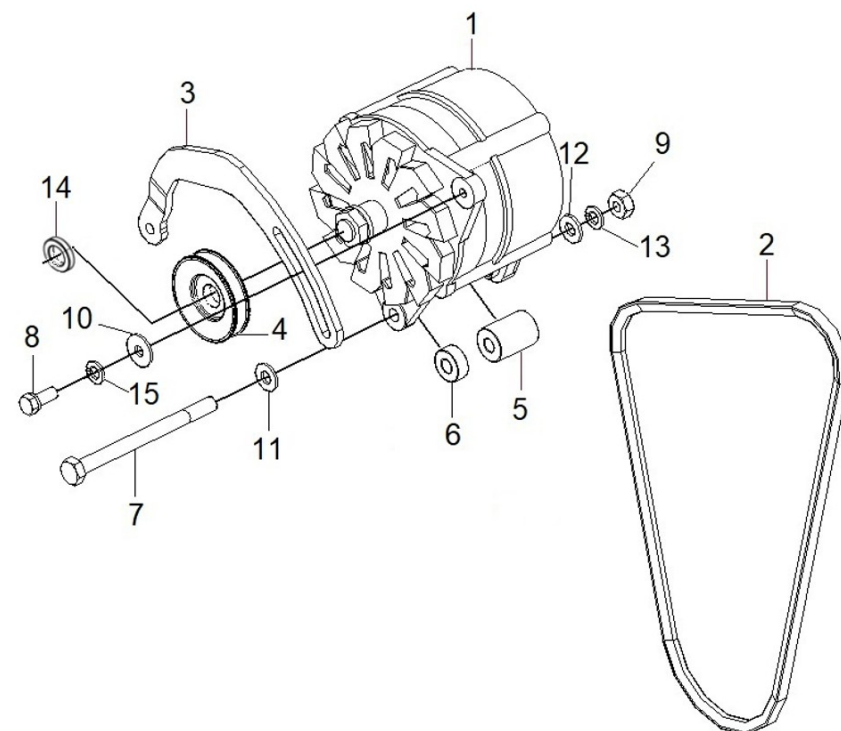
D_MIG1_4_5		Fuel Supply Parts			
Fig.	Ref.	Qty.	Descr.	Obs	From UpTo
1	12814051	2	Screw,eye		
2	57000369	6	Washer 14,2-20-1,5		
3	17714003	1	Pipe, Filter TO INJEC. Pump		
4	13114120	1	Cover,filter f/.SMI		
5	17717001	1	Bracket		
6	17214018	1	Assy,Fuel Return		
7	53033008	2	Washer GROWER DIN 127-8		
8	54081008	1	Clamp DIN 3017 8-16 W4		
9	52102258	4	Bolt DIN 933 M8-25 8.8		
10	51031008	2	Washer DIN 9021 8		
11	13114022	1	Fuel Filter Element from MINI 10 to 55		
12	13114021	1	Coupling,cover filter		
13	57000353	2	Washer 6,2-11-1,5		
14	13114007	1	Banjo Short Bolt		



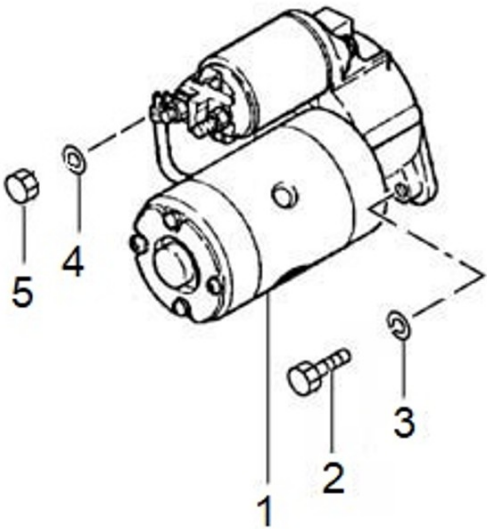
D_MIG1_5_5		Electrical Wiring			
Fig.	Ref.	Qty.	Descr.	Obs	From UpTo
1	60972130R	1	SVT 20 MINI-33/44/55 Panel (Repl.)		04/03/2024
2	52202361	1	Bolt DIN 933 M12-1,25-40 8.8		
3	53033012	1	Washer Grower DIN 127-12		
4	15217010	1	Bracket,wirings		
5	60938210.1	1	Engine Wiring Ext. 3 M. SUPERSEAL		
6	51030006	2	Washer DIN 125-6		
7	13827005	1	Glow Relay		
8	13817003	1	Cover		
9	52102154	2	Bolt DIN 933 M6-10 8.8		
10	52102104	1	Bolt DIN 933 M5-10 8.8		
11	51030005	1	Washer DIN 125-5		
12	13817005	1	Relay 6V		
13	60972204	1	Wiring Electrical MINI-33/44/55 SVT V.6		
14	17127017	4	Plug, glow		
15	17327018	1	Plate, Connection		
16A	13425029	1	Nut (old)		
16B	17023030	1	Cap GUM		
17	13424025	1	Solenoid		
18A	63972211NS	1	Panel SSG 20 MINI-33/44/55 ETS 12V Black		04/03/2024
18B	63972211BS	1	Panel SSG 20 MINI-33/44/55 ETS 12V White		04/03/2024
18C	63972221NS	1	Panel SSG 20 MINI-33/44/55 ETS 24V Black		04/03/2024
18D	63972221BS	1	Panel SSG 20 MINI-33/44/55 ETS 24V White		04/03/2024
19A	63972311NS	1	Panel SSG 30 MINI-33/44/55 ETS 12V Black		04/03/2024
19B	63972311BS	1	Panel SSG 30 MINI-33/44/55 ETS 12V White		04/03/2024
19C	63972321NS	1	Panel SSG 30 MINI-33/44/55 ETS 24V Black		04/03/2024
19D	63972321BS	1	Panel SSG 30 MINI-33/44/55 ETS 24V White		04/03/2024



D_MIC2_5_1		Alt. 14V/120A			
Fig.	Ref.	Qty.	Descr.	Obs	From UpTo
1	17217057	1	Alt. 14V/120A		
2	17217058	1	Belt Type ZX 37,5 975		
3	17217056	1	Plate		
4	13817019	1	Pulley Alternator		
5	17217020	1	Spacer 10,5X25X36		
6	19017018	1	Spacer 10,5X24X10		
7	52101326	1	Bolt DIN 931 M10-130 8.8		
8	52102257	1	Bolt DIN 933 M8-20 8.8		
9	52120010	1	Nut DIN 934 M10 8.8		
10	51031008	1	Washer DIN 9021 8		
11	53038010	1	Washer DIN 6798-A 10		
12	51030010	1	Washer DIN 125-10		
13	53033010	1	Washer GROWER DIN 127-10		
14	13817017	1	Spacer 17X28X5,5		
15	53033008	1	Washer GROWER DIN 127-8		

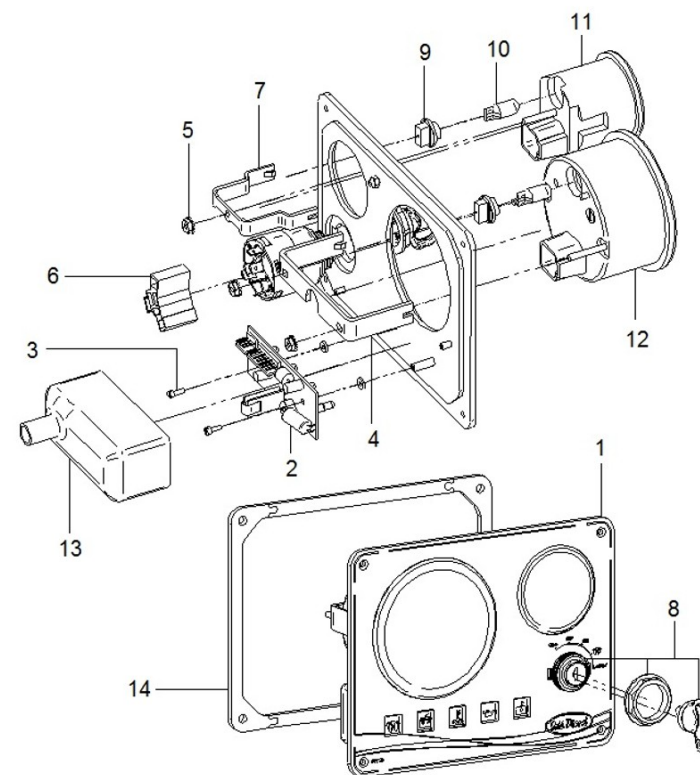


D_MIC1_5_3		Starter Assy				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	17227001.2	1	Starter Assy 12 V			
2	52202308	2	Screw DIN 961 8.8 M-10/1,25X25			
3	53033010	2	Washer GROWER DIN 127-10			
4	51030008	1	Washer DIN 125-8			
5	52120008	1	Nut DIN 934 M8 8.8			



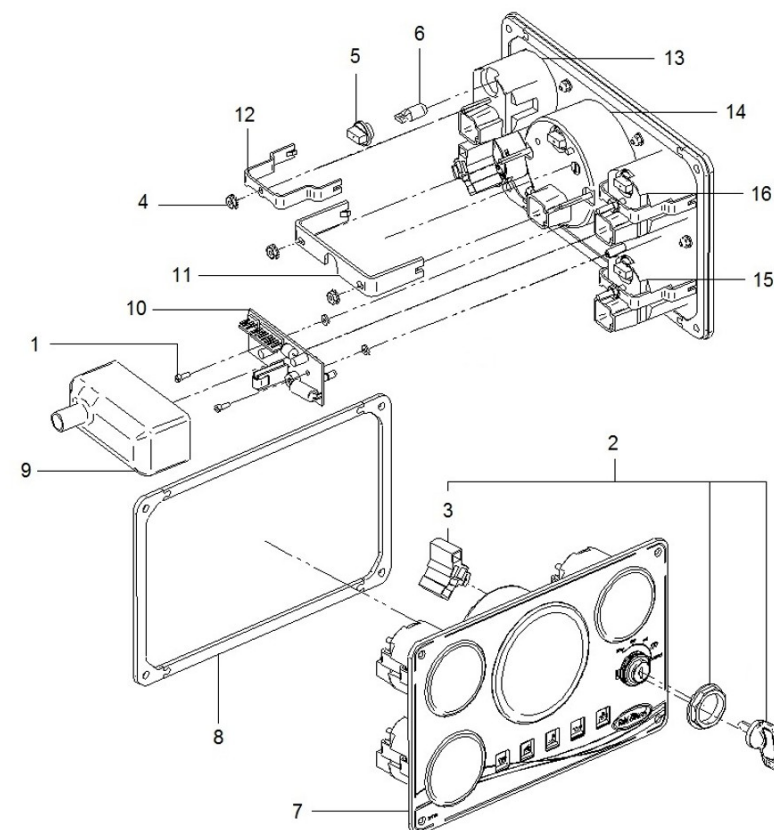
D_60972130 SVT 20 MINI-33/44/55 Panel

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	60938005.1	1	Panel N.2			
2	60900301.3	1	V3 C.I. 12V Prop. Engine Board.Varnished			
3	54108003	2	Bolt DIN 84 M3-8 INOX.			
4	60900910.1	1	Revolution Counter Fixing Bracket			
5	60900910.2	3	Fixing Nut Gauge+Terminal			
6	60900037.2	1	Connector			
7	60900915.2	1	Gauge Fixing Bracket			
8	60900037	1	Key-Locking			
9	60900931	2	SOCKET,WEDGE BASE			
10	60900929	2	Bulb 12V			
11	60900937	1	Thermometer VT 12V			
12	60972912	1	Revol. Counter VT 12V MINI-33/44			
13	60900096	1	Cover Plate for Motor Propeller			
14	60938006.1	1	Gasket Panel			
NS	60900091	1	MICRO Relay 12V 12-20			
NS	60910012	1	System Back Panel SVT/MVT 20 12V		07/12/2016	

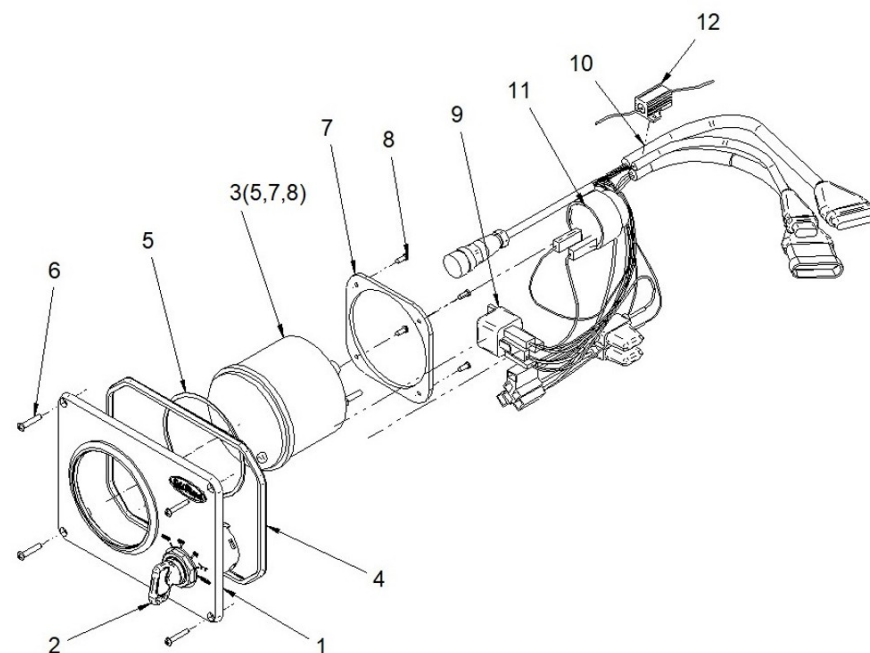


D_60972132 SVT 30 MINI-33/44/55 Panel

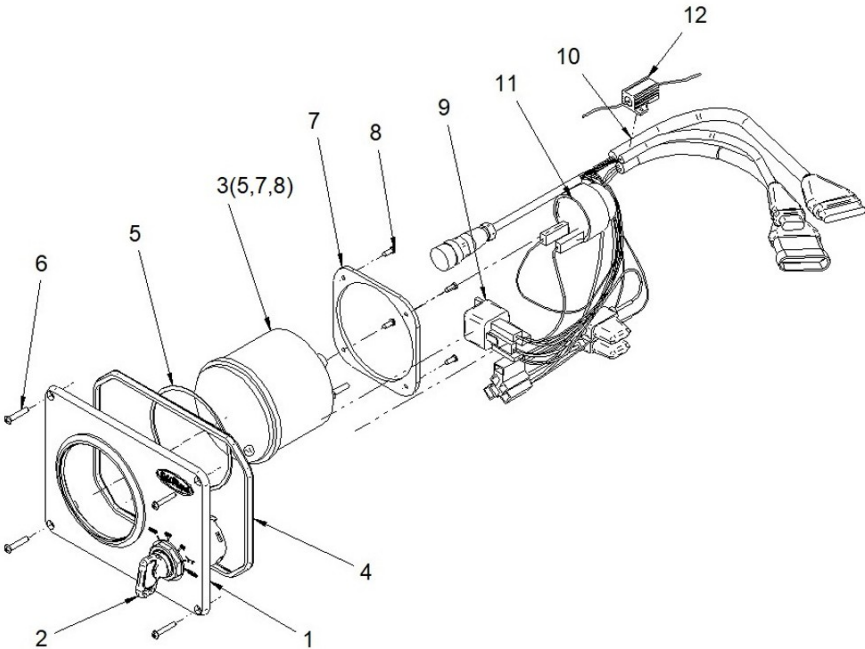
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	54108003	2	Bolt DIN 84 M3-8 INOX.			
2	60900037	1	Key-Locking			
3	60900037.2	1	Connector			
4	60900910.2	5	Fixing Nut Gauge+Terminal			
5	60900931	4	SOCKET,WEDGE BASE			
6	60900929	4	Bulb 12V			
7	60990005.1	1	Panel N.3			
8	60990006.1	1	Gasket Panel			
9	60900096	1	Cover Plate for Motor Propeller			
10	60900301.3	1	V3 C.I. 12V Prop. Engine Board.Varnished			
11	60900910.1	1	Revolution Counter Fixing Bracket			
12	60900915.2	3	Gauge Fixing Bracket			
13	60900941	1	Voltmeter VT 12V			
14	60972912	1	Revol. Counter VT 12V MINI-33/44			
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	



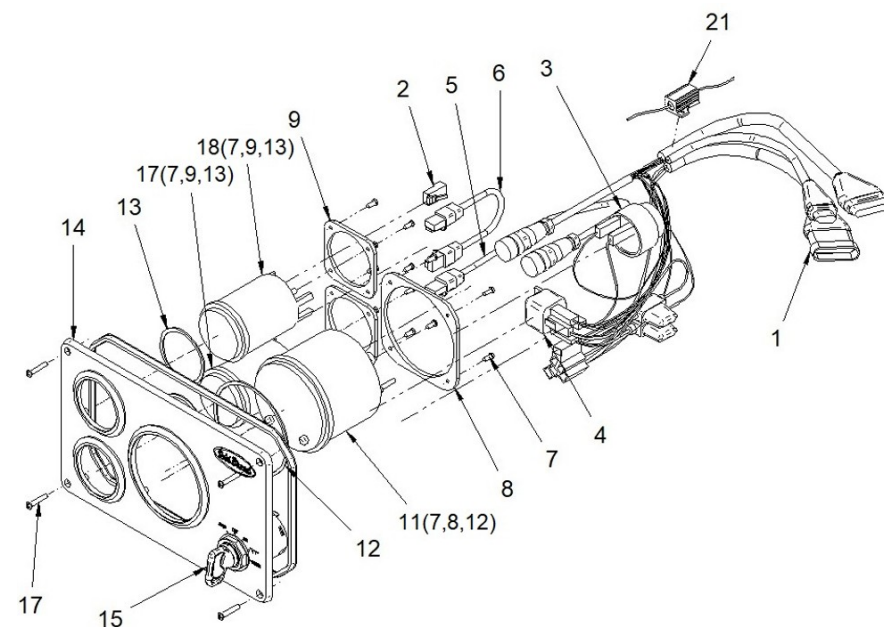
D_1631		Panel SSG 20 Spare Parts				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	63900013	1	SSG 20 Panel Solé Diesel			
2	60900037	1	Key-Locking			
3A	63938001BSR	1	Revolution Counter SG Solé MINI-17/29 White			
3B	63938001BNR	1	Revolution Counter SG Solé MINI-17/29 Black			
3C	63972001BSR	1	Revolution Counter SG Solé MINI-33/44/55 White			
3D	63972001BNR	1	Revolution Counter SG Solé MINI-33/44/55 Black			
3E	639A0001BSR	1	Revolution Counter SG Solé SK-60 White			
3F	639A0001BNR	1	Revolution Counter SG Solé SK-60 Black			
3G	63971001BSR	1	Revolution Counter SG Solé MINI-62 White			
3H	63971001BNR	1	Revolution Counter SG Solé MINI-62 Black			
3I	63974001BSR	1	Revolution Counter SG Solé MINI-74/SM-105/103 White			
3J	63974001BNR	1	Revolution Counter SG Solé MINI-74/SM-105/103 Black			
3K	63978001BSR	1	Revolution Counter SG Solé SM-82/94 White			
3L	63978001BNR	1	Revolution Counter SG Solé SM-82/94 Black			
3M	63994001BSR	1	Revolution Counter SG Solé SDZ-165/205/280 White			
3N	63994001BNR	1	Revolution Counter SG Solé SDZ-165/205/280 Black			
4	63900017	1	Gasket Panel SSG20			
5	63900009	1	Silicone Tachometer Gasket SG 94x84x1 Frontal			
6	51918057	4	Bolt DIN 7981 3,9-22			
7	63900007	1	SG D.85 Tachometer Bracket			
8	5191B003	4	Bolt CL81Z 3.1X8			
9A	63900028	1	Relay 12V 20/30A NO+NC			
Figure A for 12V System						
9B	63900029	1	Relay 24V 10/20A NO+NC			
Figure b for 24V System						
10	63900032	1	Electrical Installation Panel SSG Master			
11	60900060	1	Alarm, Buzzer			
12A	61100000	1	Resistance 12V 18 Ohm with Connectors Panel SG			
Figure A for 12V System						
12B	61100001	1	Resistance 24V 75 Ohm with Connectors Panel SG			
Figure b for 24V System						



D_1631 Panel SSG 20 Spare Parts						
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
13	63900040	1	Buzzer Bracket			
14	53033005	2	Washer GROWER DIN 127-5			
15	52120004	2	Nut DIN 934 M4 8.8			
NS	LLAVERO.1A	1	Floating Keyring Solé Diesel			

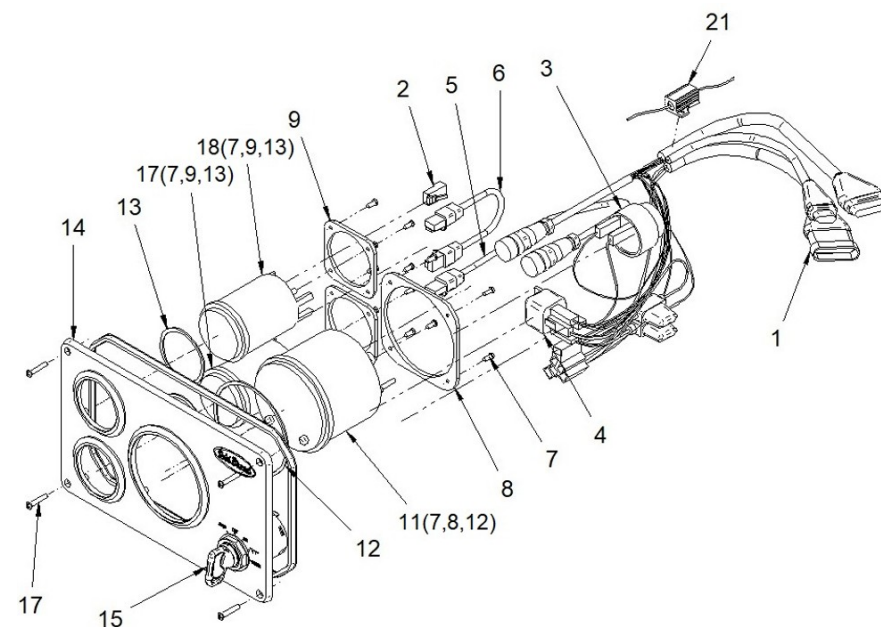


D_1633 Panel SSG 30 Spare Parts						
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	63900032	1	Electrical Installation Panel SSG Master			
2	63900026	1	CAN RJ45 Bus End Resistor			
2	63900037	1	CAN RJ45 Bus End Resistor CAN M12-5pin NMEA2000			
3	60900060	1	Alarm, Buzzer			
4A	63900028	1	Relay 12V 20/30A NO+NC			
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			

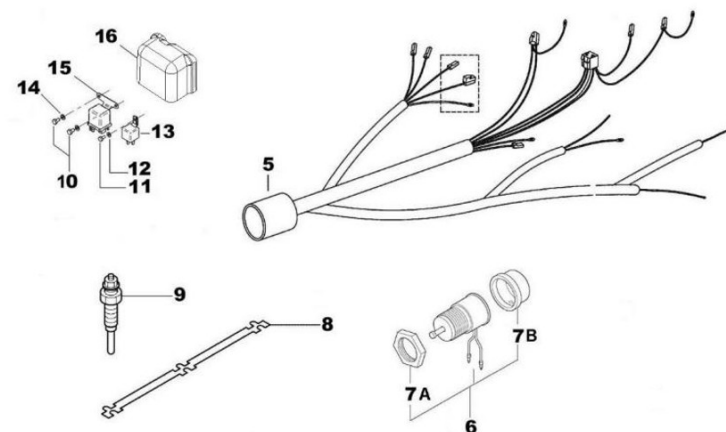
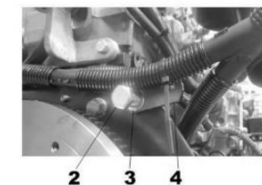




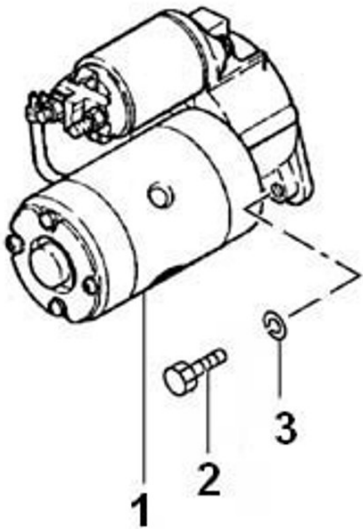
D_ALARPRO_1		Engine Extension				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1A	60938210.1	1	Engine Wiring Ext. 3 M. SUPERSEAL			
1B	60985210.1	1	Engine Wiring Ext. 4 M. SUPERSEAL			
1C	60938211	1	Engine Wiring Ext. 8 M. SUPERSEAL			
1D	60985210.12.1	1	Engine Wiring Ext. 12 M. SUPERSEAL			
1E	60985210.15.1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



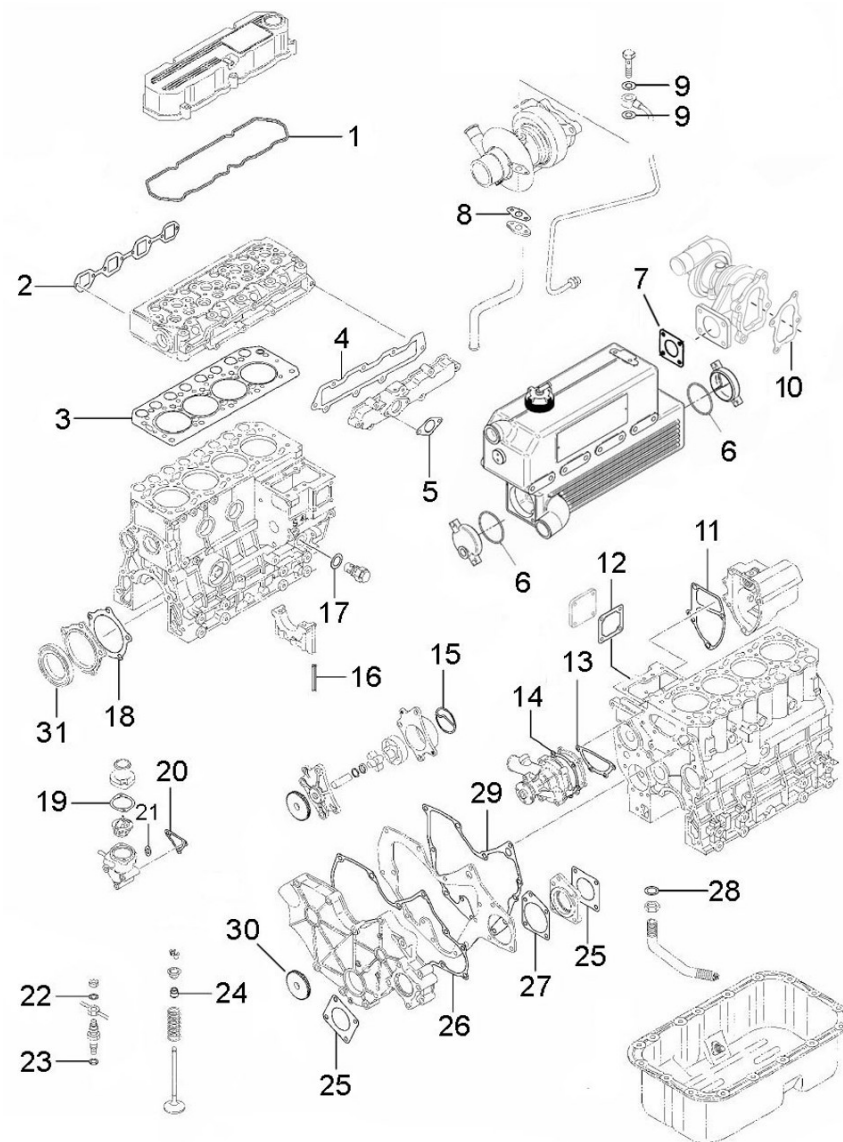
D_MID2_7_3		24V Electrical Wiring			
Fig.	Ref.	Qty.	Descr.	Obs	From UpTo
1	60972130R	1	SVT 20 MINI-33/44/55 Panel (Repl.)		04/03/2024
2	52202361	1	Bolt DIN 933 M12-1,25-40 8.8		
3	53033012	1	Washer Grower DIN 127-12		
4	15217010	1	Bracket,wirings		
5	60972204	1	Wiring Electrical MINI-33/44/55 SVT V.6		
6	13824025.2	1	Stop SOLENOID 24V-ETS		
7A	17225029.4	1	Nut		
7B	17023030	1	Cap GUM		
8	17327018.4	1	Plate, Connection		
9	17227017.2	4	Glow Plug 24V		
10	52102155	1	Bolt DIN 933 M6-12 8.8		
11	52102104	1	Bolt DIN 933 M5-10 8.8		
12	51030005	1	Washer DIN 125-5		
13	17417005.1	1	Relay 24V 24-22A		
14	51030006	1	Washer DIN 125-6		
15	17417005	1	Relay 24V 24-100		
16	13817003	1	Cover		
17A	63972221NS	1	Panel SSG 20 MINI-33/44/55 ETS 24V Black		04/03/2024
17B	63972221BS	1	Panel SSG 20 MINI-33/44/55 ETS 24V White		04/03/2024
18A	63972321NS	1	Panel SSG 30 MINI-33/44/55 ETS 24V Black		04/03/2024
18B	63972321BS	1	Panel SSG 30 MINI-33/44/55 ETS 24V White		04/03/2024
NS	17617006	1	Spacer 6,5X12X5		
NS	19014070	1	Pump 24V.		
NS	60900932	1	VOLTAGE REDUCER 5W 100 ohm TE		
NS	60900933	1	VOLTAGE REDUCER 7W		



D_MID1_7_2		Starter Assy. 24V				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	17327001.2	1	Starter Assy 24V			
2	52202308	2	Screw DIN 961 8.8 M-10/1,25X25			
3	53033010	2	Washer GROWER DIN 127-10			

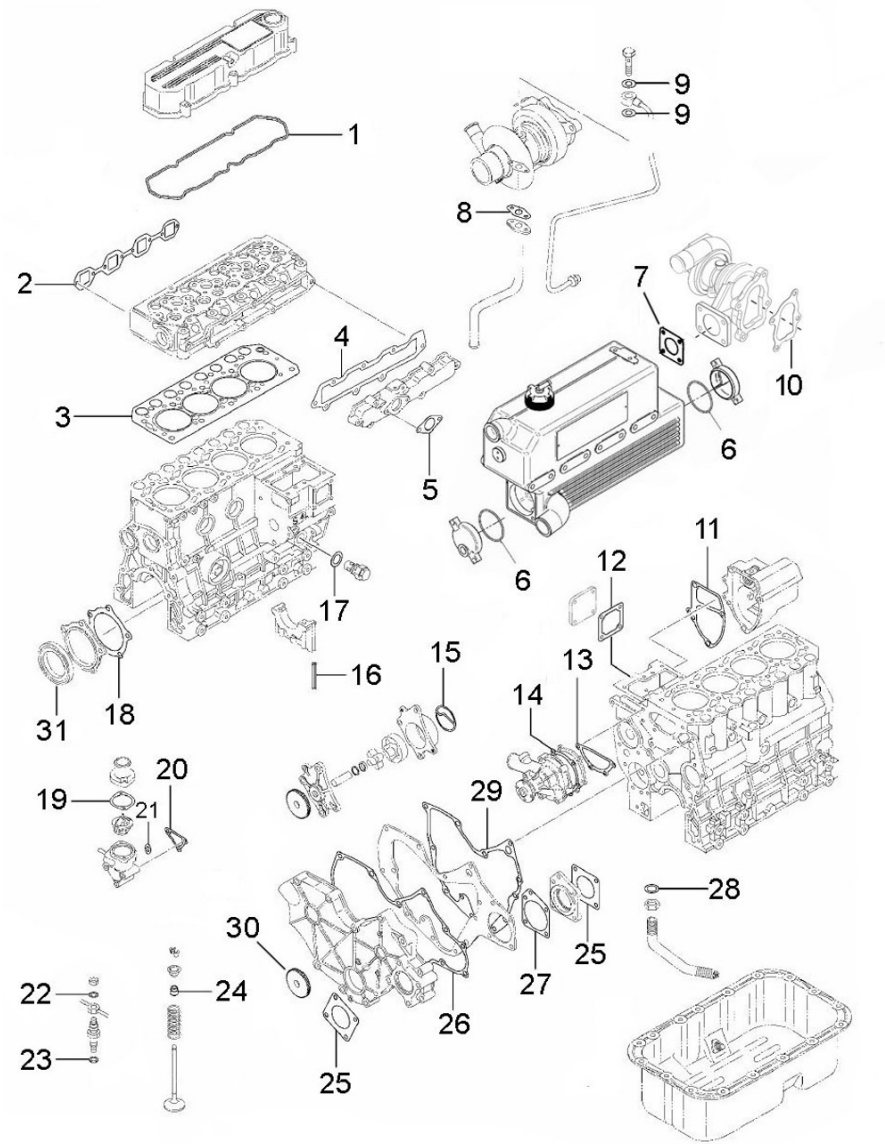


D_17720101 Gasket Kit					
Fig.	Ref.	Qty.	Descr.	Obs	From UpTo
1	17321010	1	Rocker Cover Gasket		
2	17321035	1	Gasket		
3	17321004	1	Gasket, Cylinder Head		
4	17321032	1	Gasket, Inlet Cover		
5	17221034	1	Gasket, Inlet Pipe		
6	13811007	2	O-Ring D. 57X2,5		
7	17713003	1	Gasket		
8	17712004	1	Gasket		
9	35211003	1	Gasket,cover		
10	17713016	1	Gasket		
10	17752401	1	Gasket		
11	17223033	1	Gasket, Governor Case		
12	13223014	1	Gasket Cover		
13	13221022	1	Gasket Water Pump		
14	13221041	1	Gasket Water Pump		
15	17224041	1	Packing, Body		
16	17220002	4	Seal, Side		
17	17424063	1	Gasket		
18	17220016	1	Gasket, Oil Seal Case		
19	17221031	1	Gasket,Thermostat		
20	17221033	1	Gasket, Thermostat Case		
21	56000073	4	Copper Washer 16-23-1,5		
22	13824025	4	Injector Gasket		
23	13824013	4	Injector Washer		
24	13222054	8	Seal Valve Stem		
25	13120047	3	Gasket Water Pump		
26	17220040	1	Gasket, Gear Case		
27	17220038	1	Gasket, Housing		
28	17024001	1	Gasket		
29	17220018	1	Gasket, Front Plate		
30	13220039	1	Seal Oil		



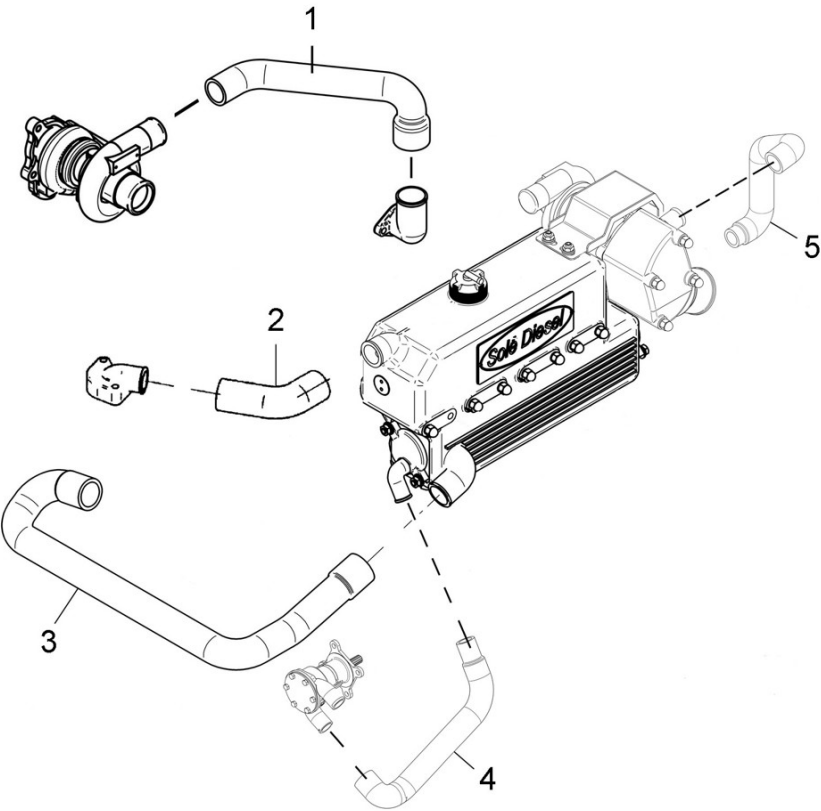
D_17720101 Gasket Kit

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
31	17220063	1	Seal, Oil			



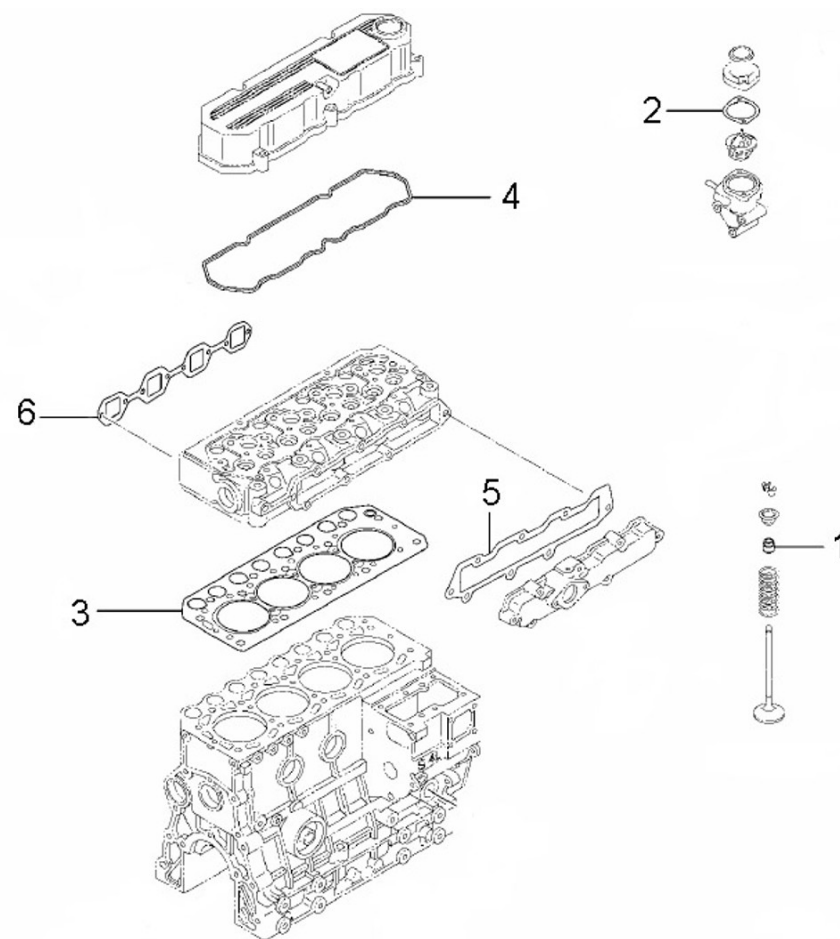
17711100 Pipe Rubber Set,Water Line

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	17710009	1	Inlet Pipe			
2	17211021	1	Elbow			
3	17211006	1	Hose			
4	17711003	1	Elbow			
5	17711002	1	Elbow			

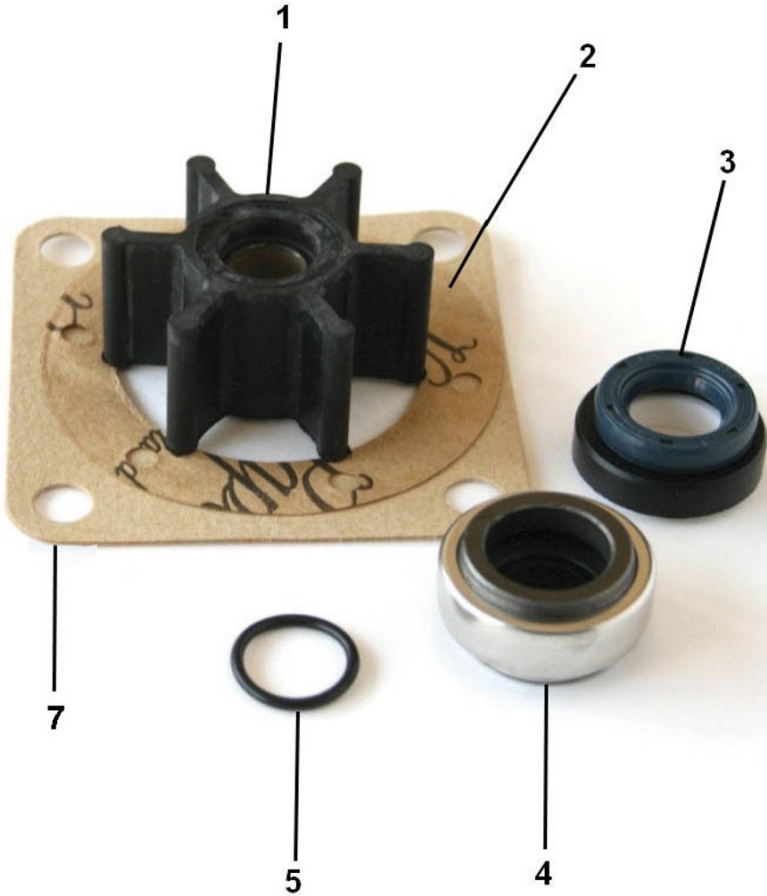


17720101.1 Gasket Kit MINI-55

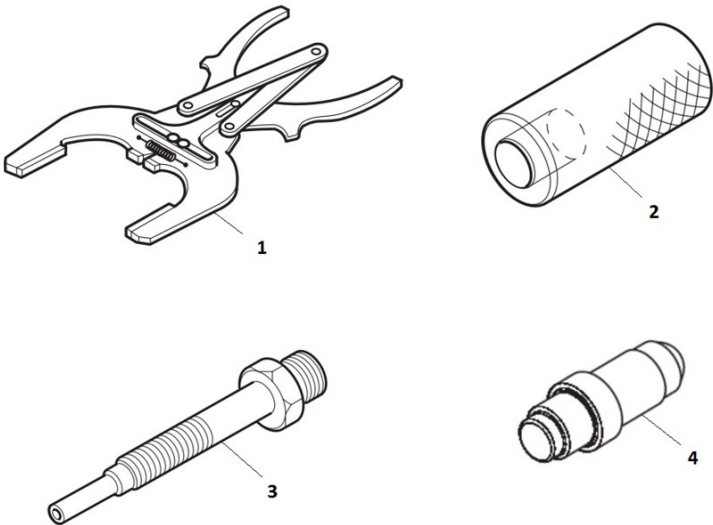
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	13222054	8	Seal Valve Stem			
2	17221031	1	Gasket,Thermostat			
3	17321004	1	Gasket, Cylinder Head			
4	17321010	1	Rocker Cover Gasket			
5	17321032	1	Gasket, Inlet Cover			
6	17321035.1	1	Gasket			



37711000K		Repair Kit Water Pump 3/4"				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	35111008	1	3/4" Impeller			
2	35211003	1	Gasket,cover			
3	33411020	1	Seal			
4	33411019	1	Seal			
5	33311013	1	O-Ring D. 15X2			
7	13120047	1	Gasket Water Pump			
NS	34711041	1	Impeller Plug			

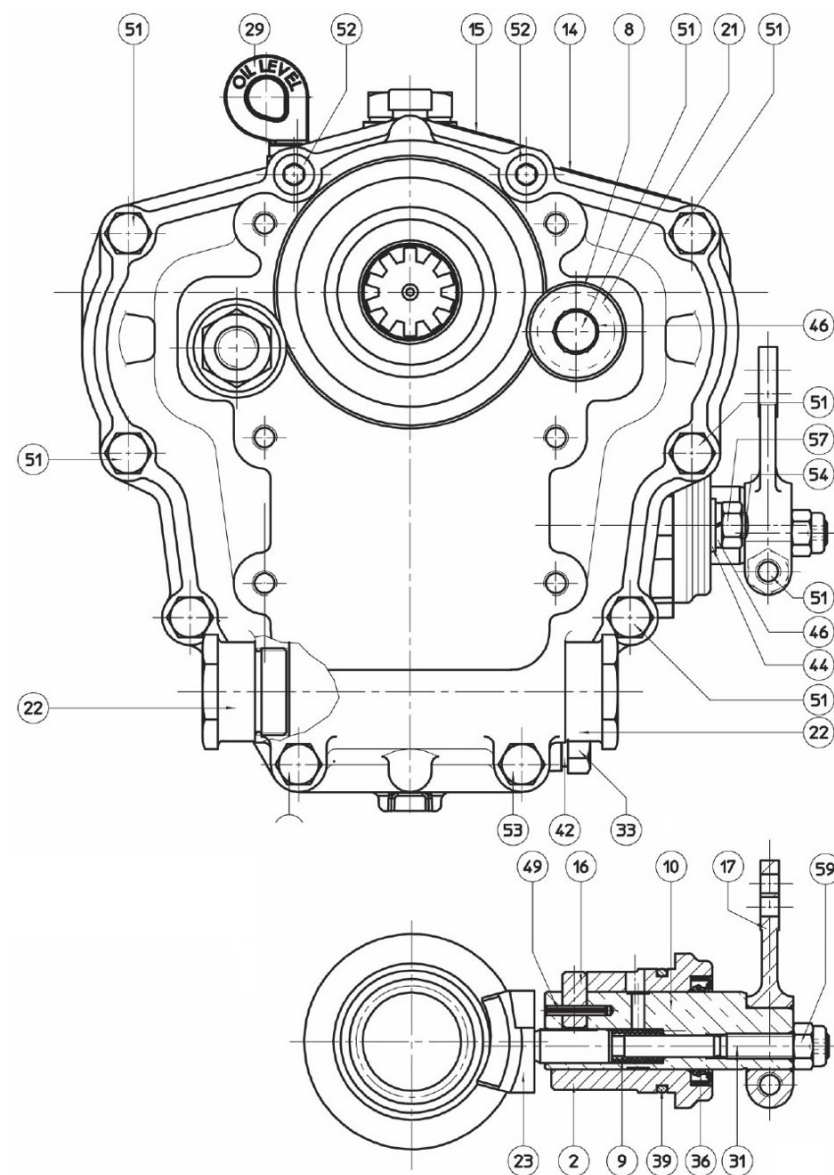


D_UTILFA1212_1		Special Tools				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	UMM74007	1	Piston Ring Pliers			
2	U31A9100100	1	Piston pin setting tool			
3	UST332270	1	Compression Gauge Adapter			
4	UST332340	1	Camshaft Bushing Installer			



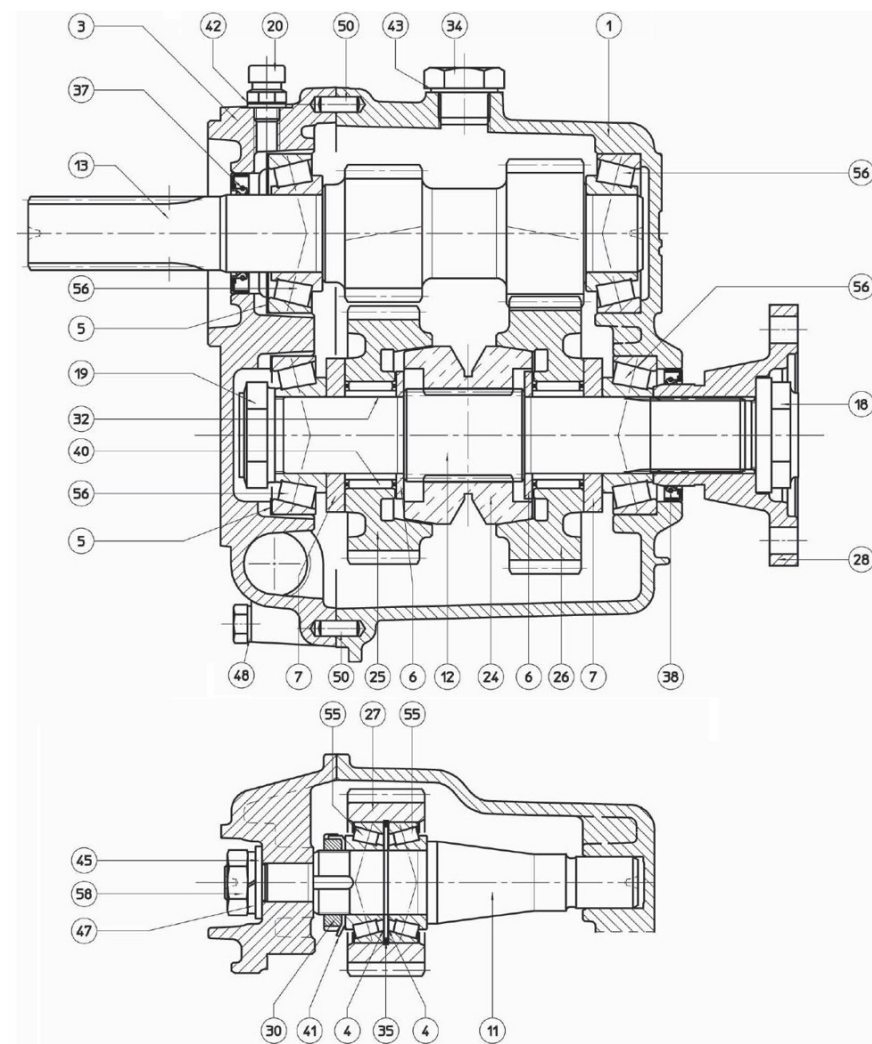
D_5036_1 Sheet 1/2

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
2	24880401	1	Cover			
8	24880306	1	Washer			
9	24860411	1	Spring			
10	24880402	1	Shaft			
14	24850005	1	Plate, IDENTIFICATION			
15	24860006	1	ATF Oil Plate			
16	24860419	1	Pin			
17	24810424	1	Lever			
21	24880311	1	Plug			
22	24880038	2	Plug			
23	24880423	1	Pad			
29	24860008P	1	Gauge			
31	24880409	1	Screw			
33	24850011	1	Plug,oil drain			
36	24860404	1	Oil Seal			
39	24860417	1	O-Ring			
44	51030008	2	Washer DIN 125-8			
46	53033008	3	Washer GROWER DIN 127-8			
49	53052210	1	Pin DIN 1481 3-20			
51	52102258	8	Bolt DIN 933 M8-25 8.8			
52	52103258	2	Bolt DIN 912 M8-25 8.8			
53	52101263	2	Bolt DIN 931 M8-50 8.8			
54	24860071	2	STUD			
57	52120008	2	Nut DIN 934 M8 8.8			
59	51123008	1	Nut DIN 985 M8 5.6			



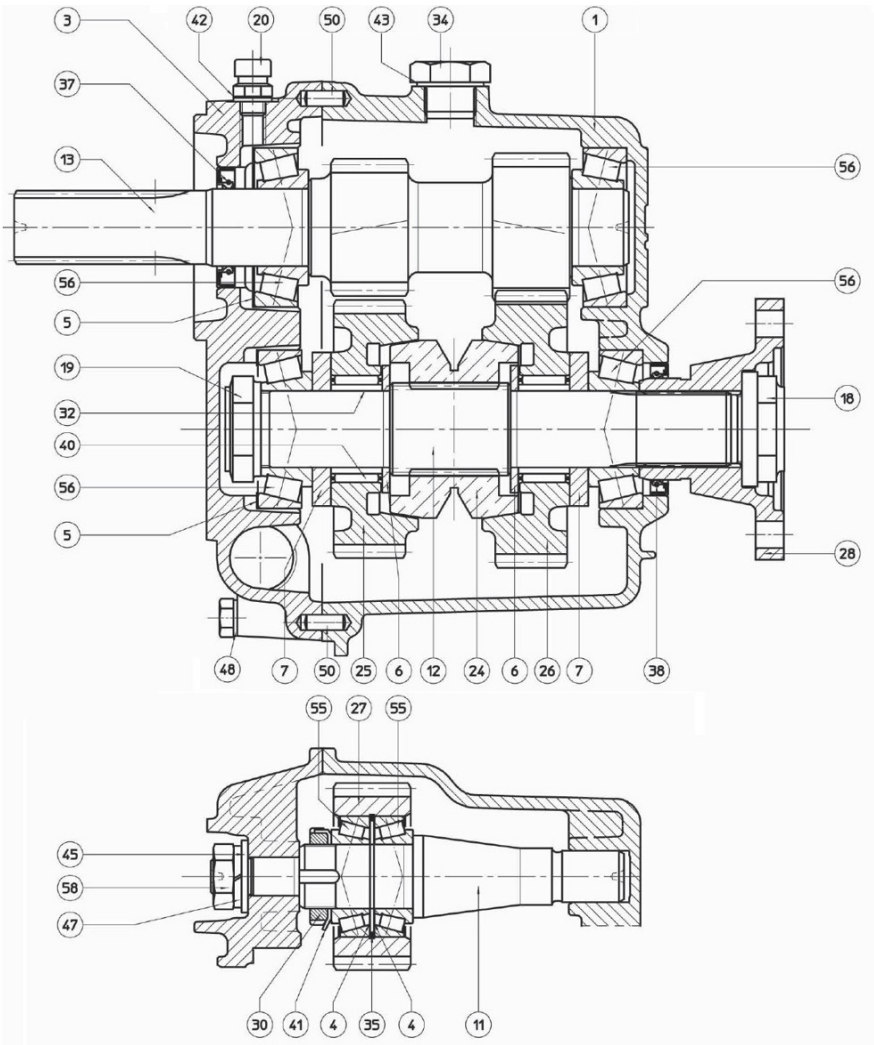
D_5036_2 Sheet 2/2

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	24880002P	1	Box			
3	24880001	1	Cover			
4	24880305	2	Spacer			
5	24813500.67	6	Spacer			
6	24880218	2	Shim			
7	24880217	2	Shim			
11	24880301	1	INTERMEDIATE Shaft			
12	24880201	1	Shaft Output			
13A	24882101P	1	Input Shaft			
13B	24883101P	1	Input Shaft			
13C	24884101	1	Input Shaft			
13D	24885101P	1	Input Shaft			
18	24850099	1	Nut			
19	24880222	1	Nut			
20	24810065	1	Plug			
24	24880202	1	Clutch			
25A	24882203	1	Gear R 1,55 / 2,00			
25B	24884203	1	Gear R 2,45 / 2,83			
26A	24883210	1	Gear R 2,00			
26B	24884210	1	Gear R 2,45			
26C	24885210	1	Gear R 2,83			
27	24880302	1	Gear			
28	24880224	1	Flange Output			
30	24880310	1	Nut			
32	24880205	2	CAGE			
34	24830011	1	Plug			
35	24880309	1	Ring			
37	22210103	1	Seal,oil BA 30-47-7			
38	24890214	1	Oil Seal			
40	24880204	2	Bearing, needle			
41	24880308	1	Washer			



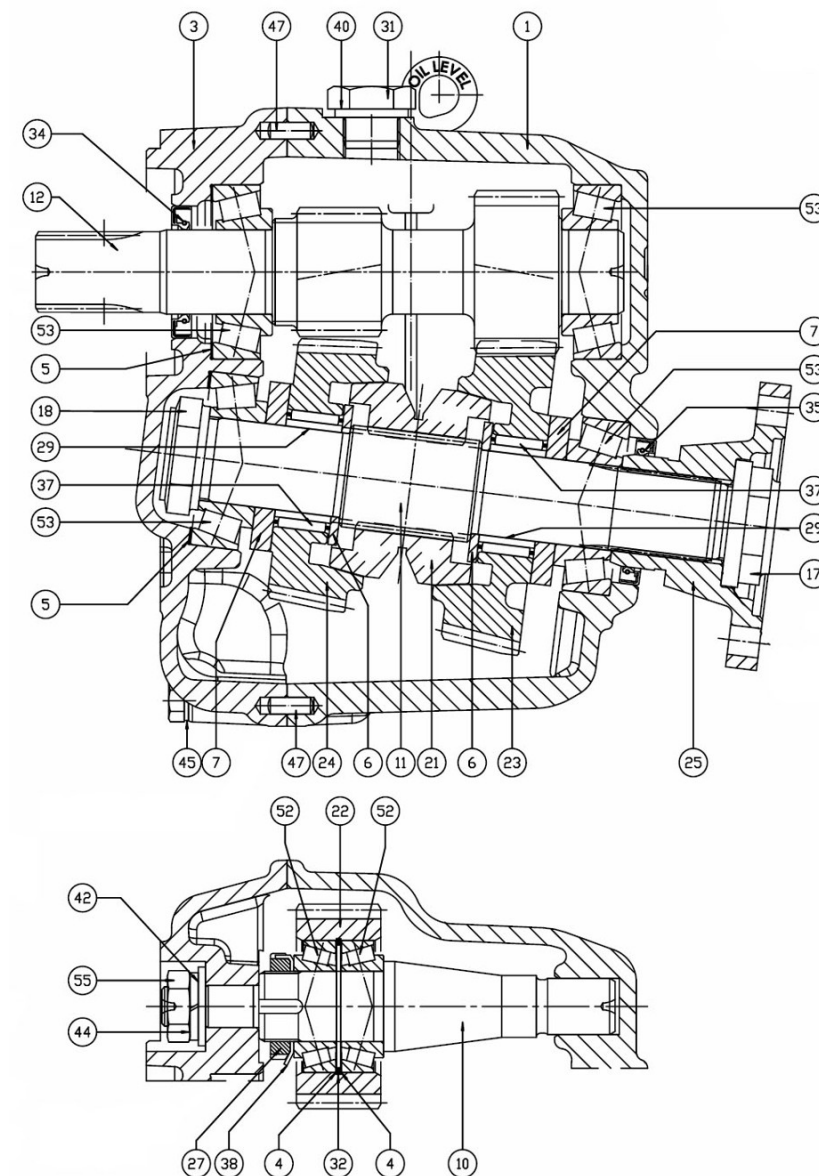
D_5036_2 Sheet 2/2

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
42	24810063	2	Plane Washer			
43	56000083	1	Washer 21-26-1,5			
45	51030014	1	Washer DIN 125-14			
47	53033014	1	Washer GROWER DIN 127-14			
48	24850093	10	Washer			
50	24860023	2	Pin			
55	24860206	2	Conical Roller Bearing 32005			
56	25710104	4	Conical Roller Bearing 32206-J2/Q			
58	24880307	1	Nut			



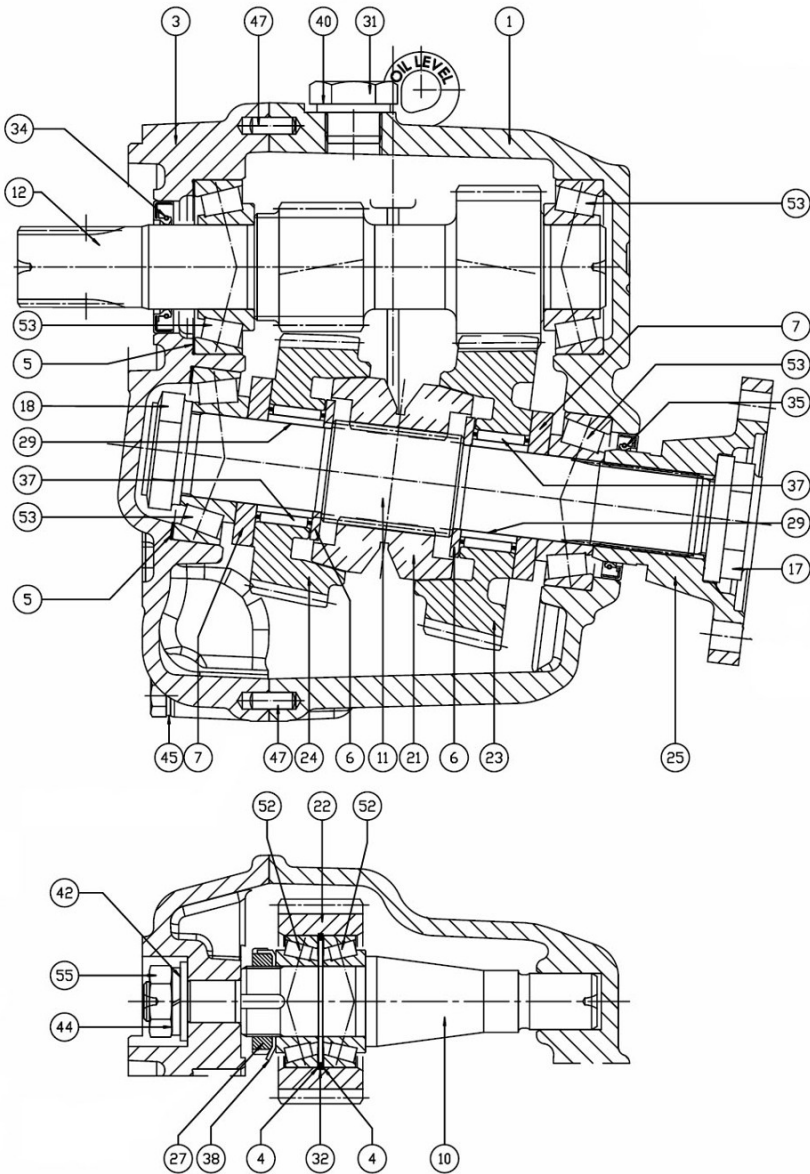
D_5034_1 Sheet 1/2

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	24880002A	1	Box			
3	24880001A	1	Cover			
4	24880305	2	Spacer			
5	24813500.67	6	Spacer			
6	24880218	2	Shim			
7	24880217	2	Shim			
10	24880301	1	INTERMEDIATE Shaft			
11	24880201	1	Shaft Output			
12A	24884101	1	Input Shaft			
12B	24883101A	1	Input Shaft			
17	24850099	1	Nut			
18	24880222	1	Nut			
21	24880202	1	Clutch			
22	24880302	1	Gear			
23A	24884210A	1	Gear			
23B	24883210A	1	Gear			
24	24883203A	1	Gear			
25	24880224	1	Flange Output			
27	24880310	1	Nut			
29	24880205	2	CAGE			
31	24830011	1	Plug			
32	24880309	1	Ring			
34	22210103	1	Seal,oil BA 30-47-7			
35	25210214	1	Seal,oil 40-52-7			
37	24880204	2	Bearing, needle			
38	24880308	1	Washer			
40	56000083	1	Washer 21-26-1,5			
42	51030014	1	Washer DIN 125-14			
44	53033014	1	Washer GROWER DIN 127-14			
45	24850093	10	Washer			
47	24860023	2	Pin			



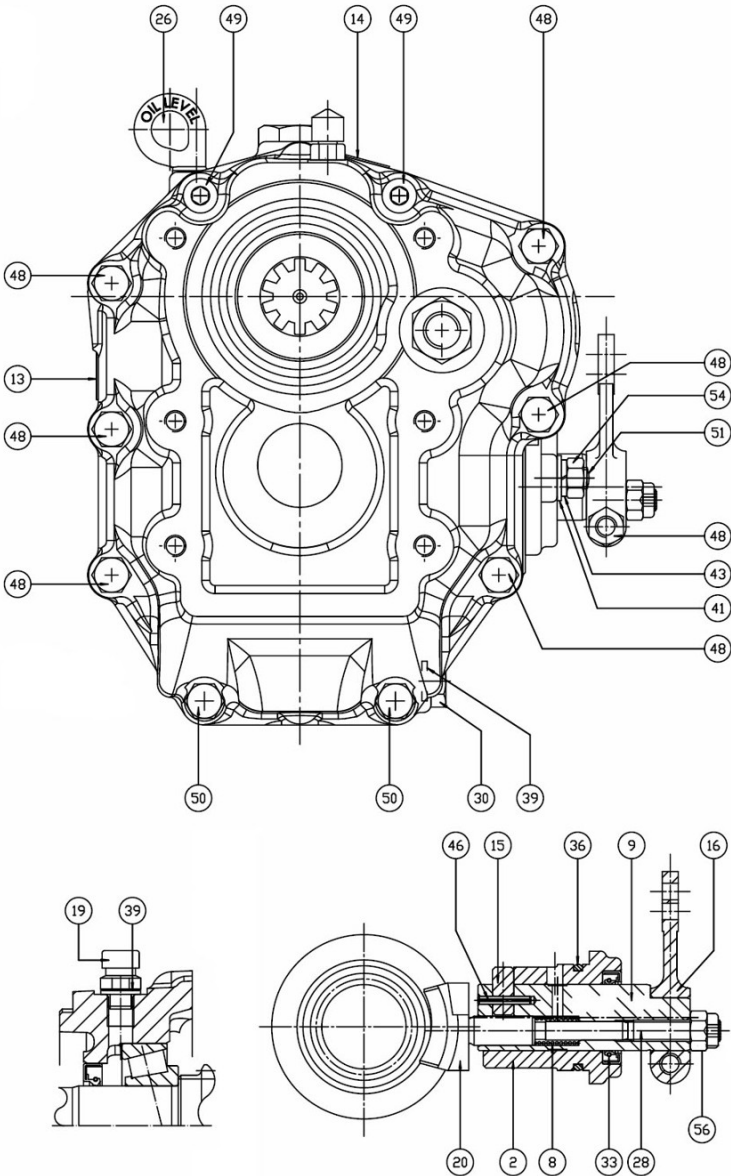
D_5034_1 Sheet 1/2

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
52	24860206	2	Conical Roller Bearing 32005			
53	25710104	4	Conical Roller Bearing 32206-J2/Q			
55	24880307	1	Nut			



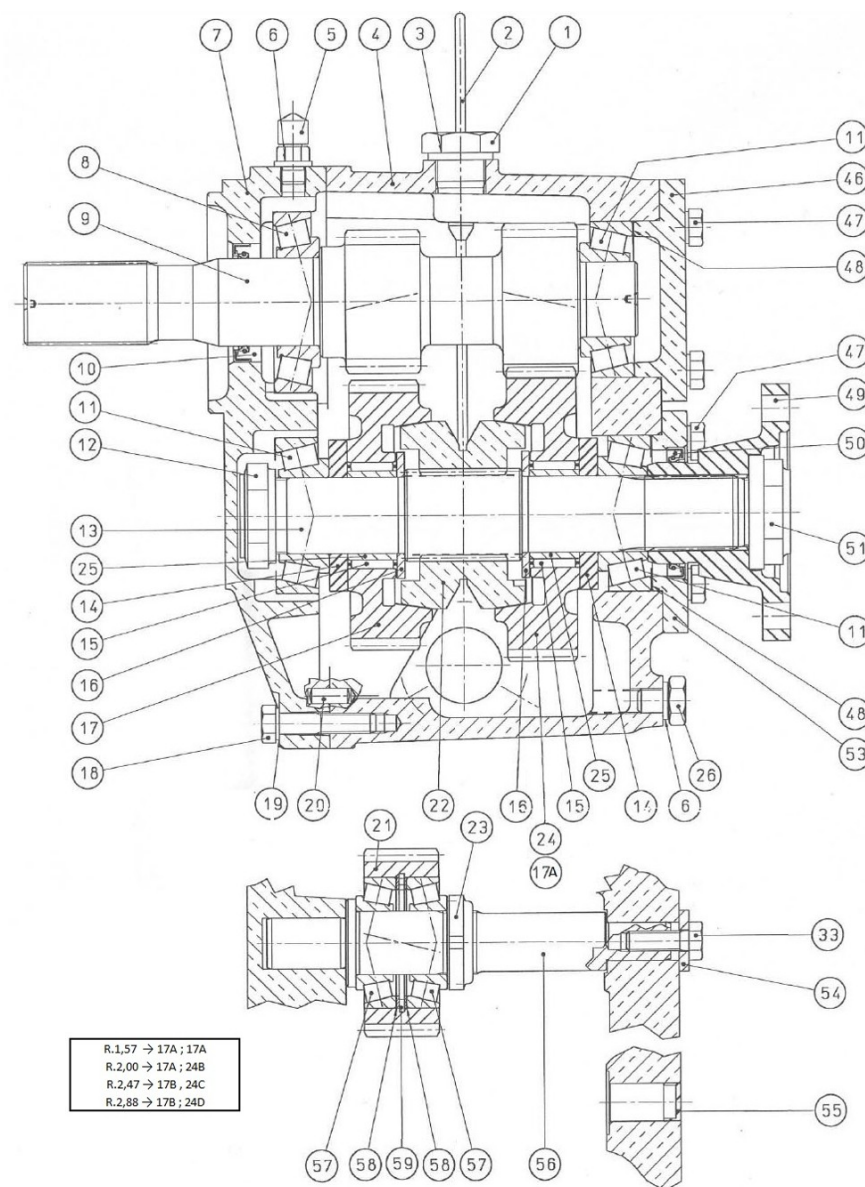
D_5034_2 Sheet 2/2

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
2	24880401	1	Cover			
8	24860411	1	Spring			
9	24880402	1	Shaft			
13	24850005	1	Plate, IDENTIFICATION			
14	24860006	1	ATF Oil Plate			
15	24860419	1	Pin			
16	24810424	1	Lever			
19	24810065	1	Plug			
20	24880423	1	Pad			
26	24860008P	1	Gauge			
28	24880409	1	Screw			
30	24850011	1	Plug,oil drain			
33	24860404	1	Oil Seal			
36	24860417	1	O-Ring			
39	24810063	2	Plane Washer			
41	51030008	2	Washer DIN 125-8			
43	53033008	2	Washer GROWER DIN 127-8			
46	53052210	1	Pin DIN 1481 3-20			
48	52102258	7	Bolt DIN 933 M8-25 8.8			
49	52103258	2	Bolt DIN 912 M8-25 8.8			
50	52101263	2	Bolt DIN 931 M8-50 8.8			
51	24860071	2	STUD			
54	52120008	2	Nut DIN 934 M8 8.8			
56	51123008	1	Nut DIN 985 M8 5.6			



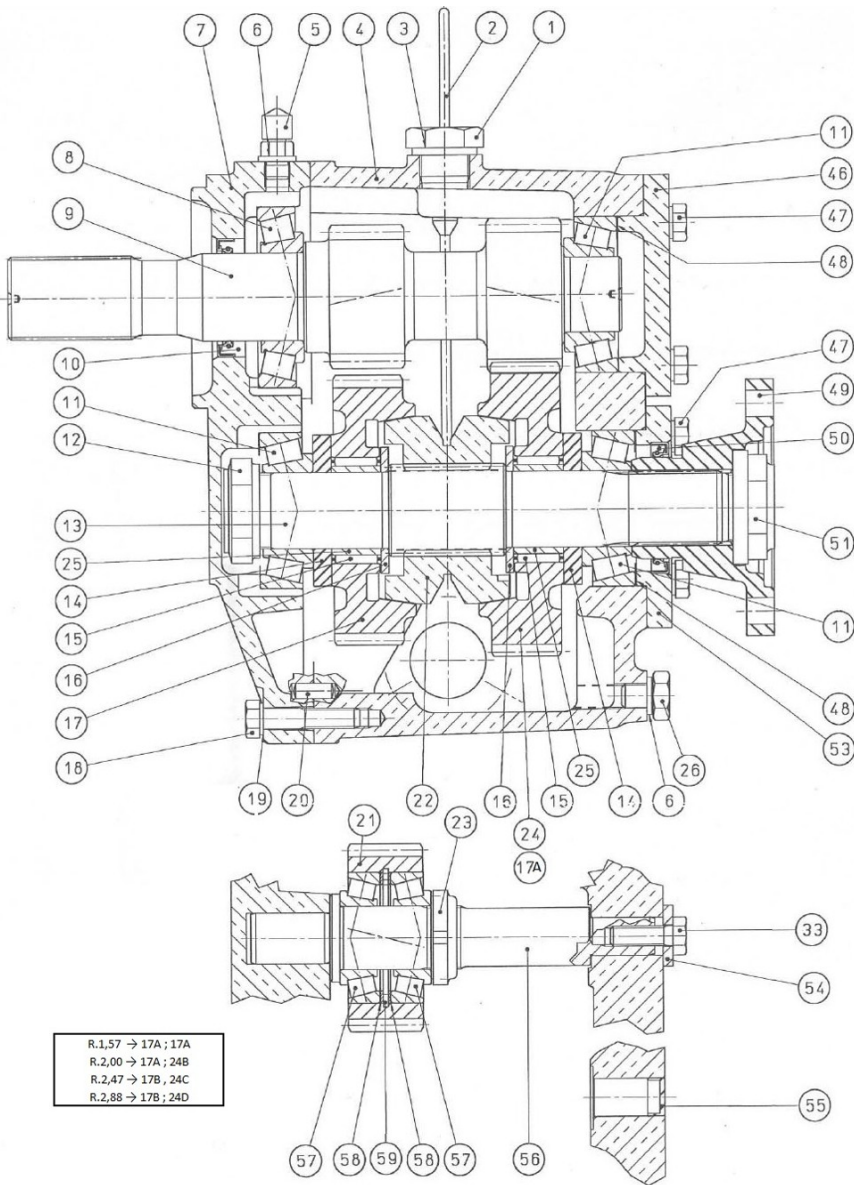
D_5032_1 Sheet 1/3

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



D_5032_1 Sheet 1/3

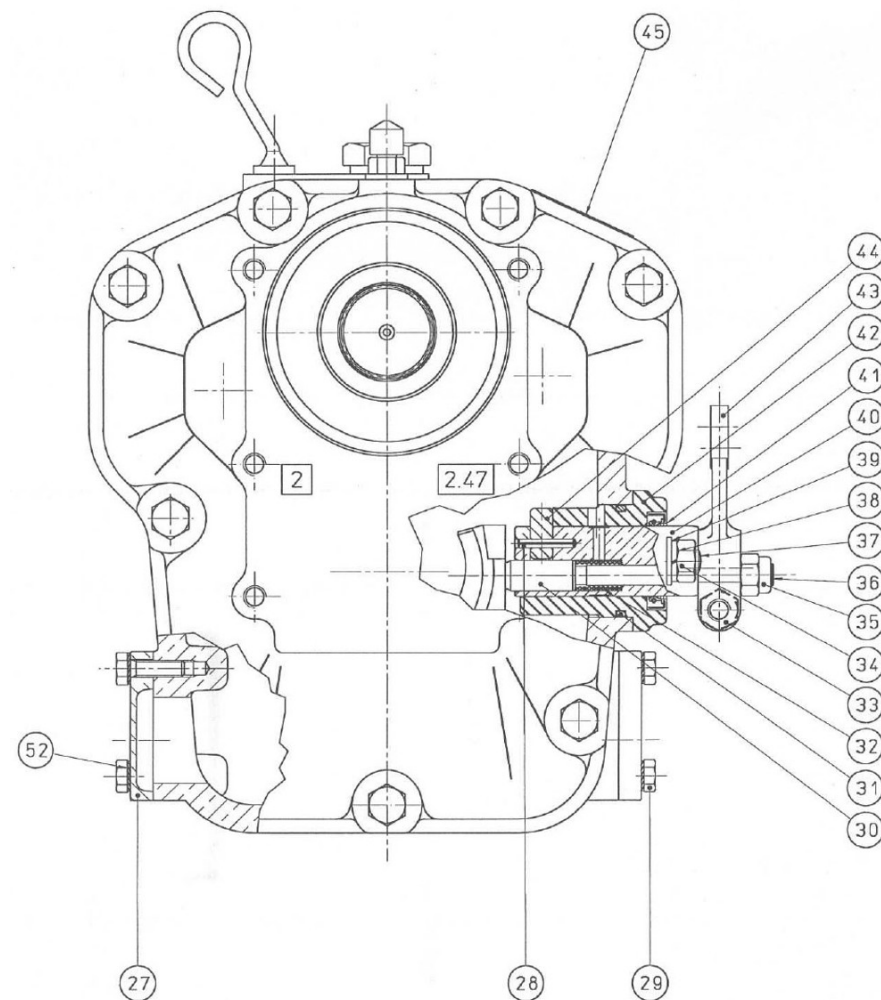
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
26	24850011	1	Plug,oil drain			
33	52102258	1	Bolt DIN 933 M8-25 8.8			
46	24890205	1	Cover			
47	52102259	8	Bolt DIN 933 M8-30 8.8			
48	24813500.67	6	Spacer			
49	24880224	1	Flange Output			22/11/2019
50	24890214	1	Oil Seal			
51	24850099	1	Nut			
53	24890208	1	Cover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



D_5032_2

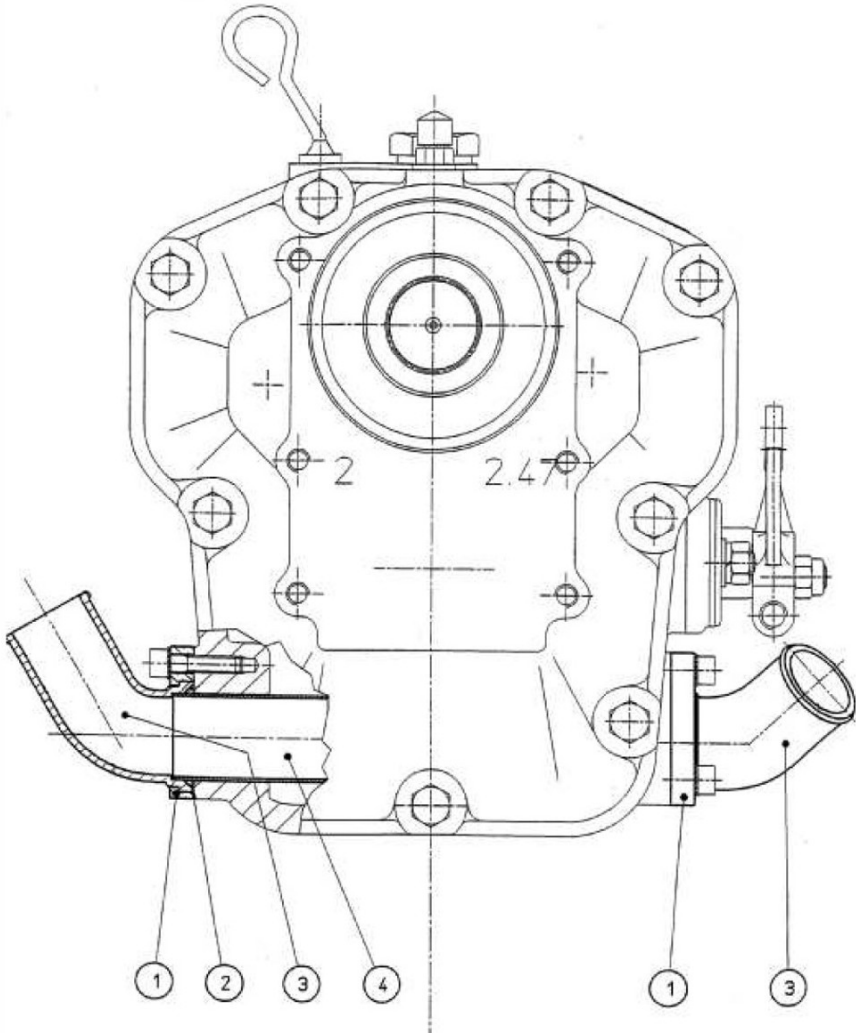
Sheet 2/3

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



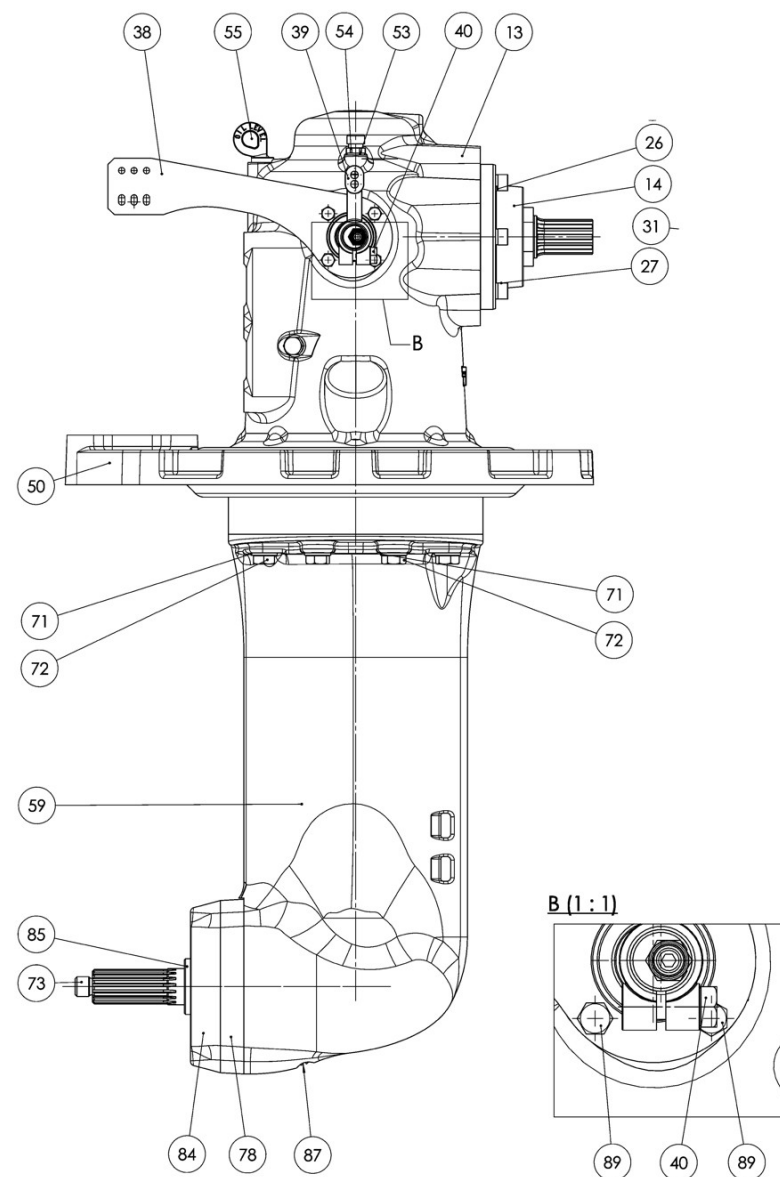
D_5032_3 Cooling System 3/3

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



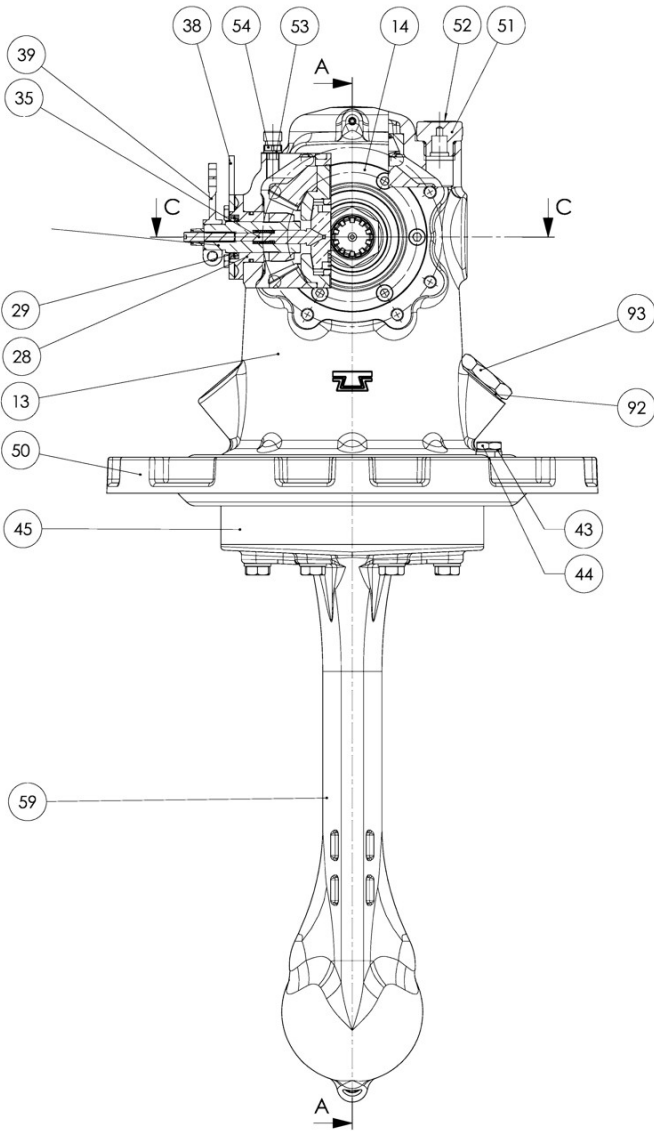
D_5037_1 Sheet 1/4 SP60 S.Drive V1

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
13	24813500.13.1	1	Body			
26	24813500.26	6	Washer			
27	52103259	6	Bolt DIN 912 M8-30 8.8			
38	24813500.38	1	Bracket Control			
39	24810424	1	Lever			
40	52102258	1	Bolt DIN 933 M8-25 8.8			
50	24813500.50	1	Flange CLOSING MEMBRANE			
53	24810063	2	Plane Washer			
54	24810065	1	Plug			
55	24813500.55	1	Gauge Oil LEVEL			
59	24813500.59	1	Body			11/05/2020
71	24830223	8	Washer			
72	24813500.72	8	Screw			
73	24813500.73	1	Propeller Shaft			
78	24813500.78	1	Body			
84	24813500.84	1	Anode SP60 (Saltwater)			
85	24813500.85	1	Spacer			
87	24813500.87	1	Plug,oil drain			
89	52102154	4	Bolt DIN 933 M6-10 8.8			



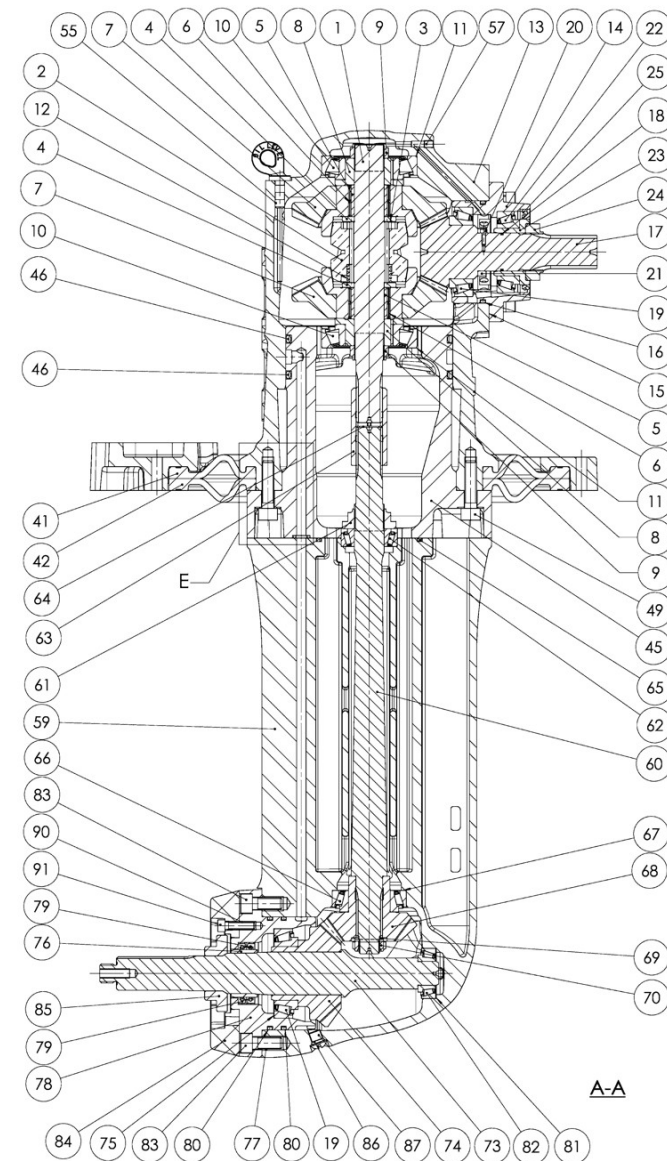
D_5037_2 Sheet 2/4 SP60 S.Drive V1

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
14	24813500.14	1	Body			
28	24813500.28	1	Body Control			
29	24860404	1	Oil Seal			
31	24860402	1	Shaft			
35	24860423	1	PAD			
43	24810522	1	Washer			
44	24813500.44	1	Plug			
45	24813500.45	1	Cover			
51	24813500.51	1	Plug			
52	24860006	1	ATF Oil Plate			
92	24830035	1	Washer			
93	24813500.93	1	Plug			



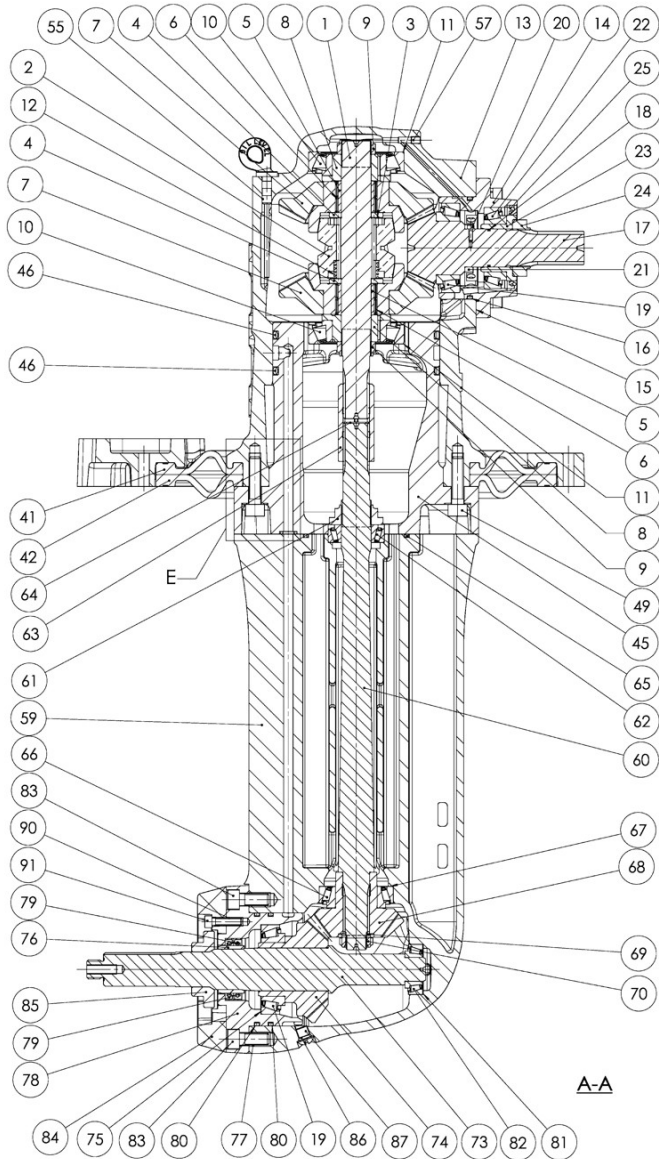
D_5037_3 Sheet 3/4 SP60 S.Drive V1

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	24813500.01	1	Shaft,Output			
2	24813500.02	1	Cone Clutch			
3	24813500.03	4	Spacer			
4	24860217	2	Spacer			
5	24813500.05	2	Ring,Bearing			
6	24813500.06	4	Bearing, needle			
7	24813500.07	2	Gear			
8	24813500.08	2	Cover			
9	24813500.09	2	Nut			
10	24813500.10	2	Bearing			
11	24810333	2	Spacer			
12	24813500.12	1	Spring			
17	24813500.17	1	Shaft			
20	24813500.20	1	Screw			
41	24813500.41	1	Gasket			
42	24813500.42	1	Gasket			
46	24813500.46	2	O-Ring			
57	24810506	1	Screw			
60	24813500.60	1	Shaft			
61	24813500.61	1	Ring			
62	24860206	1	Conical Roller Bearing 32005			
63	24813500.63	1	Guide			
64	24813500.64	1	CIRClip			
65	24813500.65	1	O-Ring			
66	24813500.66	1	Bearing			
67	24813500.67	2	Spacer			
68	24813500.68	1	Gear			
69	24813500.69	2	Washer			
70	24813500.70	1	Nut			
74	24813500.74	1	Gear			
75	24850108	2	Shim Adjusting			



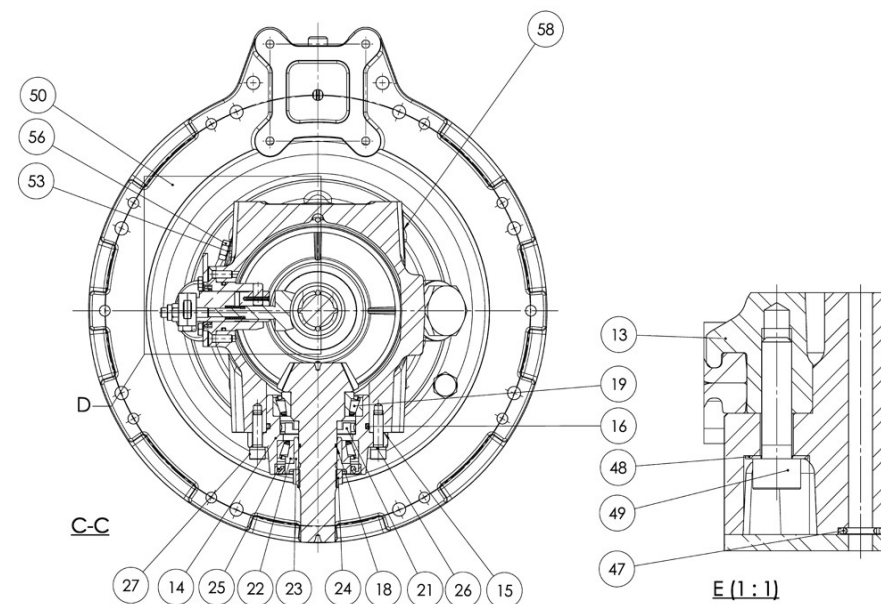
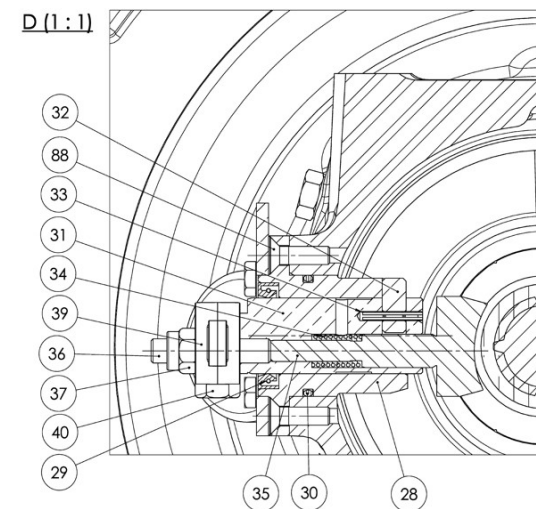
D_5037_3 Sheet 3/4 SP60 S.Drive V1

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
76	24813500.76	1	Bushing			
77	24813500.77	2	HELICOil			
79	24813500.79	2	Oil Seal			
80	24813500.80	2	O-Ring D. 90X3,5			
81	24813500.81	3	Spacer			
82	24813500.82	1	Bearing			
83	24813500.83	2	Screw			
86	24813500.86	1	O-Ring D. 8X1,5			
90	24813500.90	3	HELICOil			
91	24813500.91	3	Screw			



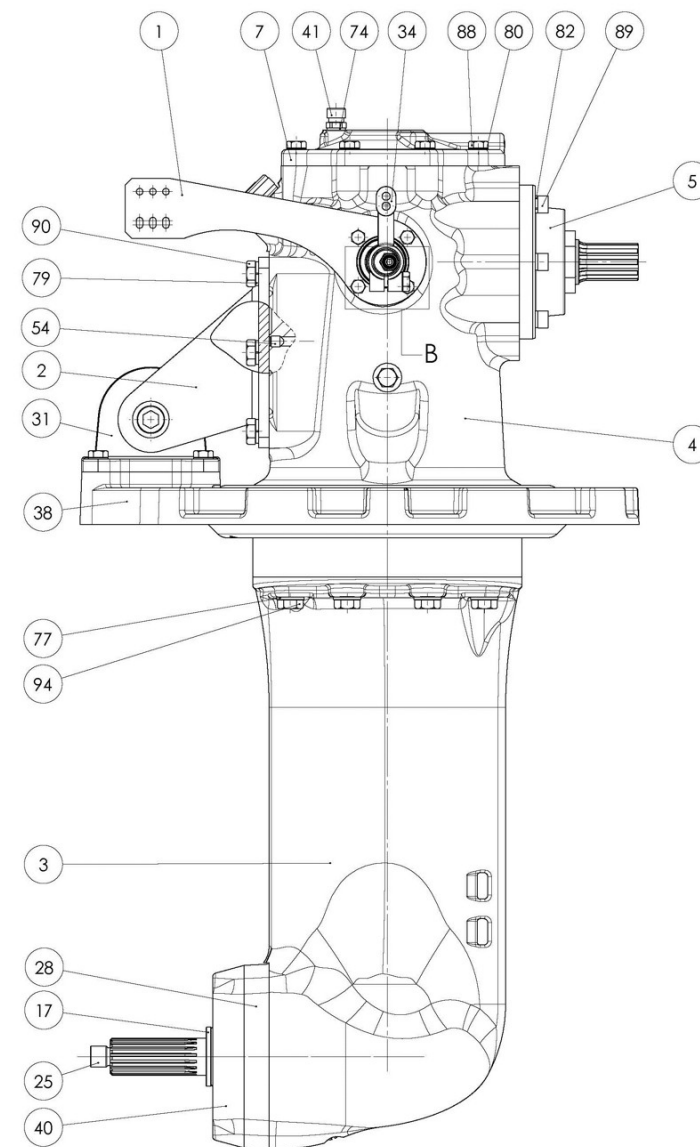
D_5037_4 Sheet 4/4 SP60 S.Drive V1

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
15	24813500.15	2	Spacer			
16	24813500.16	1	O-Ring			
18	24813500.18	1	O-Ring			
19	24850104	2	Conical Roller Bearing 32009-X			
21	24813500.21	1	Impeller			
22	24813500.22	1	Bearing			
23	24813500.23	1	Cover			
24	24813500.24	1	Nut			
25	24813500.25	1	Oil Seal			
30	24860417	1	O-Ring			
32	24860419	1	Pin			
33	53052210	1	Pin DIN 1481 3-20			
34	24860411	1	Spring			
36	24860409	1	Screw			
37	51123008	1	Nut DIN 985 M8 5.6			
47	24813500.47	1	O-Ring			
48	24813500.48	8	Washer			
49	24813500.49	8	Screw			
56	24850011	1	Plug,oil drain			
58	24850005	1	Plate, IDENTIFICATION			
88	24813500.88	4	Screw			



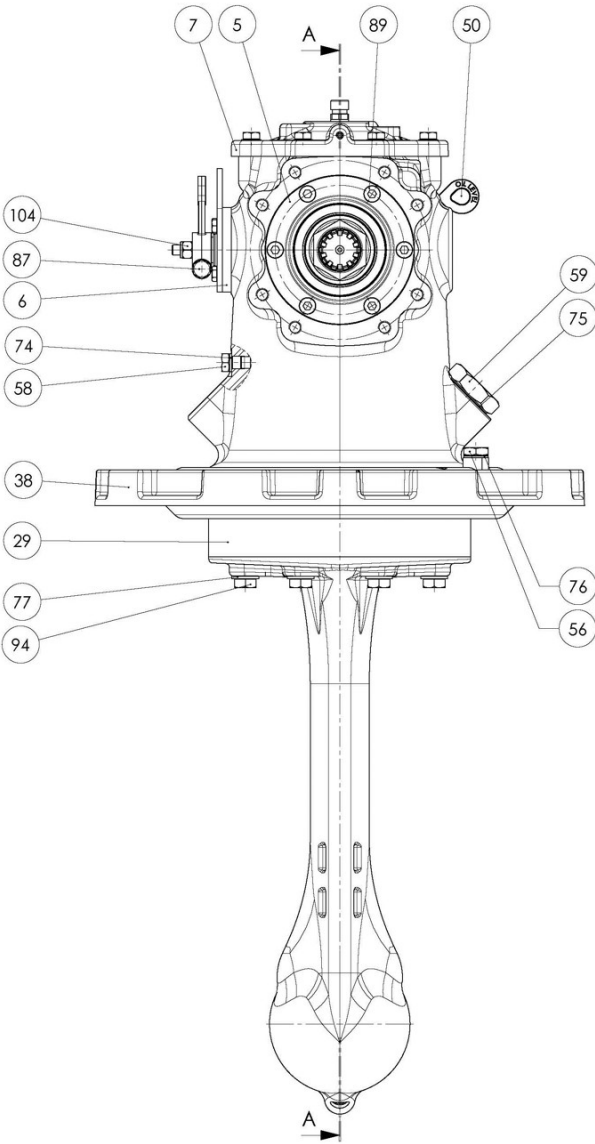
D_5037_6 Sheet 1/4 SP60 S.Drive V2

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	24813500.38	1	Bracket Control		27/09/2016	
2	24813500.95	1	Bracket		27/09/2016	
3	24813500.59	1	Body		27/09/2016	11/05/2020
4	24813500.13.1	1	Body		27/09/2016	
5	24813500.14	1	Body		27/09/2016	
7	24813500.104.1	1	Body		27/09/2016	
17	24813500.94	1	Spacer		27/09/2016	
25	24813500.73	1	Propeller Shaft		27/09/2016	
28	24813500.78	1	Body		27/09/2016	
31	24813500.96	1	Flexible		27/09/2016	
34	24810424	1	Lever		27/09/2016	
38	24813500.50	1	Flange CLOSING MEMBRANE		27/09/2016	
40	24813500.116	1	Zinc Anode		27/09/2016	
41	24810065	1	Plug		27/09/2016	20/05/2020
41	T4589038	1	Vent Plug 3/8" Gas		20/05/2020	
54	24813500.123	1	Screw		27/09/2016	
74	24810063	1	Plane Washer		27/09/2016	20/05/2020
77	24813500.126	8	Washer		27/09/2016	
79	53033010	6	Washer GROWER DIN 127-10			
80	24850093	12	Washer		27/09/2016	
82	24813500.26	6	Washer		27/09/2016	
88	52102259	12	Bolt DIN 933 M8-30 8.8			
89	52103259	6	Bolt DIN 912 M8-30 8.8			
90	52102309	6	Bolt DIN 933 M10-30 8.8			



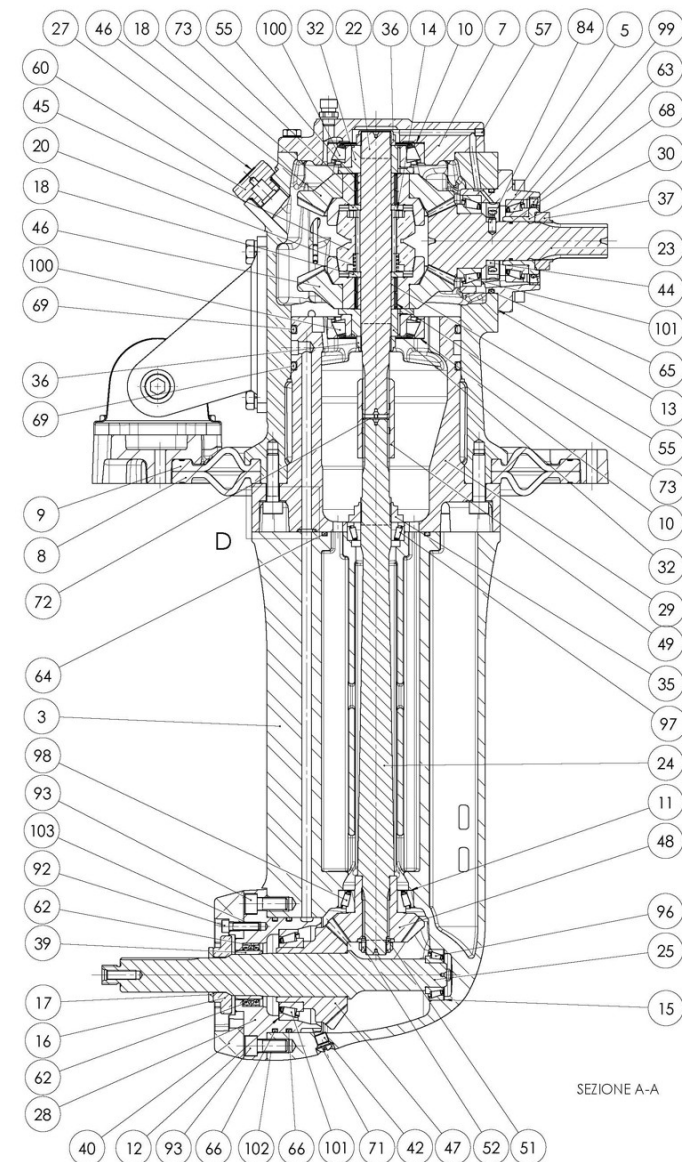
D_5037_7 Sheet 2/4 SP60 S.Drive V2

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
6	24813500.28	1	Body Control		27/09/2016	
29	24813500.45	1	Cover		27/09/2016	
50	24813500.121	1	Gauge Oil Level		27/09/2016	
56	24813500.124	1	Plug		27/09/2016	
58	24850011	1	Plug,oil drain		27/09/2016	
59	24813500.93	1	Plug		27/09/2016	
75	24830035	1	Washer		27/09/2016	
76	24810522	1	Washer		27/09/2016	
87	52102258	1	Bolt DIN 933 M8-25 8.8			
94	24813500.72	8	Screw		27/09/2016	
104	24813500.131	1	Nut		27/09/2016	



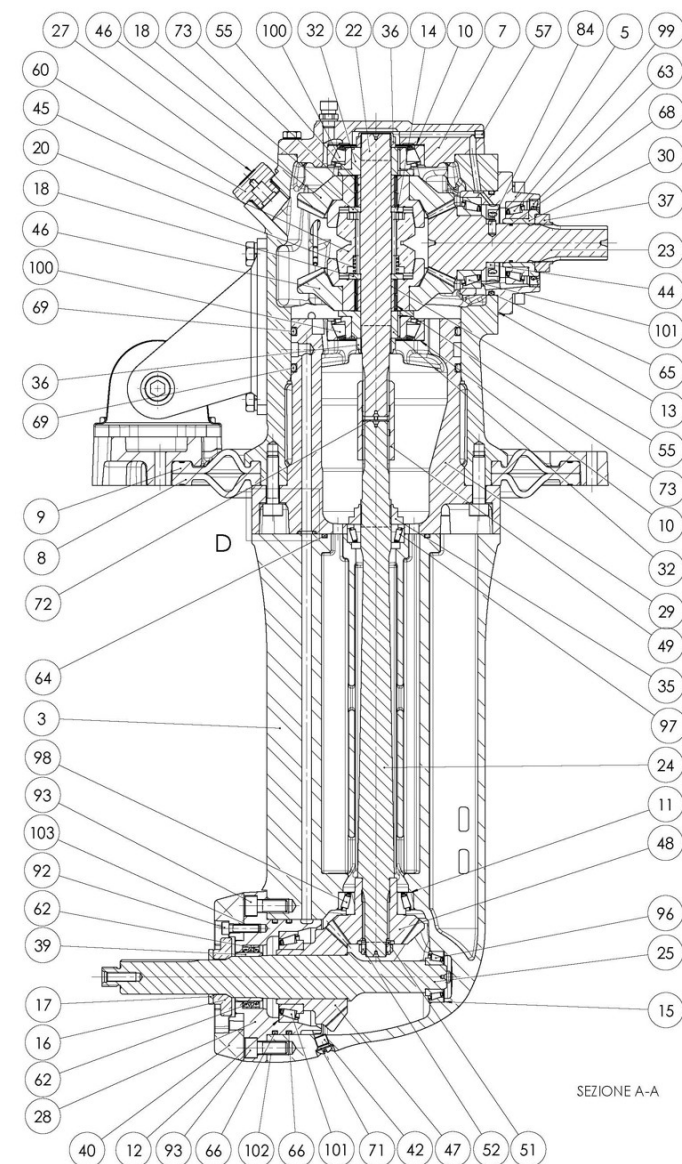
D_5037_8 Sheet 3/4 SP60 S.Drive V2

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
8	24813500.42	1	Gasket		27/09/2016	
9	24813500.41	1	Gasket		27/09/2016	
10	24810333	6	Spacer		27/09/2016	
11	24813500.67	2	Spacer		27/09/2016	
12	24850108	2	Shim Adjusting		27/09/2016	
13	24813500.15	2	Spacer		27/09/2016	
14	24813500.03	4	Spacer			
15	24813500.81	3	Spacer		27/09/2016	
16	24813500.85	1	Spacer		27/09/2016	
18	24860217	2	Spacer		27/09/2016	
20	24813500.12	1	Spring		27/09/2016	
22	24813500.114	1	Shaft, Output		27/09/2016	
23	24813500.17	1	Shaft		27/09/2016	
24	24813500.60	1	Shaft		27/09/2016	
27	24860006	1	ATF Oil Plate		27/09/2016	
30	24813500.23	1	Cover		27/09/2016	
32	24813500.115	2	Bearing Support		27/09/2016	
35	24813500.61	1	Ring		27/09/2016	
36	24813500.09	2	Nut		27/09/2016	
37	24813500.24	1	Nut		27/09/2016	
39	24813500.76	1	Bushing		27/09/2016	
42	24813500.87	1	Plug,oil drain		27/09/2016	
44	24813500.21	1	Impeller		27/09/2016	
45	24813500.02	1	Cone Clutch		27/09/2016	
46	24813500.117	2	Gear		27/09/2016	
47	24813500.118	1	Gear		27/09/2016	
48	24813500.119	1	Pinion		27/09/2016	
49	24813500.63	1	Guide			
51	24813500.69	2	Washer			
52	24813500.70	1	Nut		27/09/2016	
55	24813500.05	2	Ring,Bearing		27/09/2016	



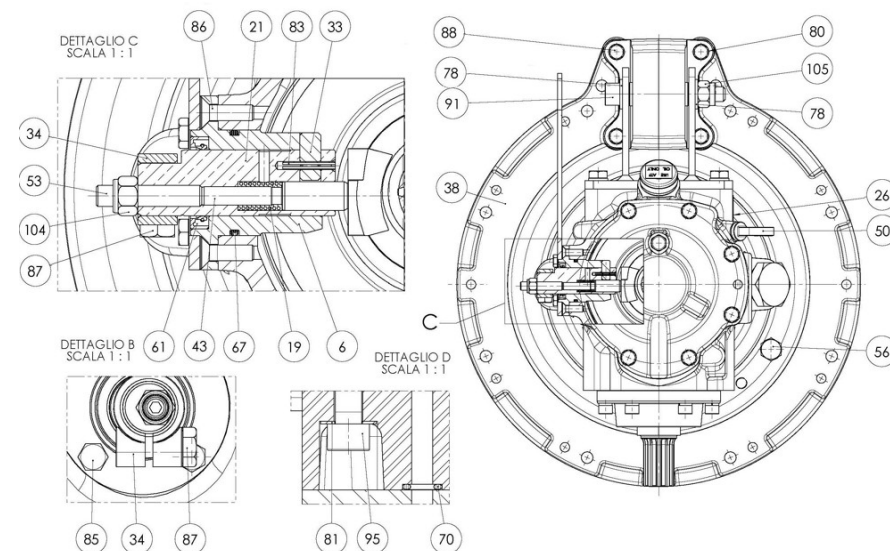
D_5037_8 Sheet 3/4 SP60 S.Drive V2

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
57	24810326	1	Plug		27/09/2016	
60	24813500.125	1	Plug		27/09/2016	
62	24813500.79	2	Oil Seal		27/09/2016	
63	24813500.25	1	Oil Seal		27/09/2016	
64	24813500.65	1	O-Ring		27/09/2016	
65	24813500.16	1	O-Ring		27/09/2016	
66	24813500.80	2	O-Ring D. 90X3,5		27/09/2016	
68	24813500.18	1	O-Ring		27/09/2016	
69	24813500.46	2	O-Ring		27/09/2016	
71	24813500.86.1	1	O-Ring		27/09/2016	
72	24813500.64	1	CIRClip		27/09/2016	
73	24813500.06	4	Bearing, needle		27/09/2016	
84	24813500.128	1	Pin		27/09/2016	
92	24813500.91	3	Screw		27/09/2016	
93	24813500.83	2	Screw		27/09/2016	
96	24813500.82	1	Bearing		27/09/2016	
97	24860206	1	Conical Roller Bearing 32005		27/09/2016	
98	24813500.66	1	Bearing		27/09/2016	
99	24813500.22	1	Bearing		27/09/2016	
100	24813500.10	2	Bearing		27/09/2016	
101	24850104	2	Conical Roller Bearing 32009-X		27/09/2016	
102	24813500.77	2	HELICOil		27/09/2016	
103	24813500.90	3	HELICOil			

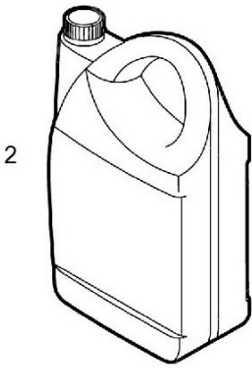
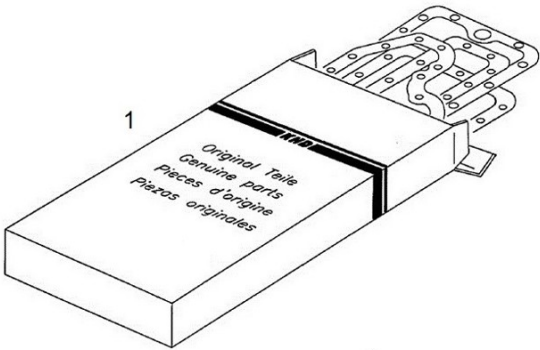


D_5037_9 Sheet 4/4 SP60 S.Drive V2

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
19	24860411	1	Spring		27/09/2016	
21	24860402	1	Shaft		27/09/2016	
26	24850005	1	Plate, IDENTIFICATION		27/09/2016	
33	24860419	1	Pin		27/09/2016	
43	24860423	1	PAD		27/09/2016	
53	24860409	1	Screw		27/09/2016	
61	24860404	1	Oil Seal		27/09/2016	
67	24860417	1	O-Ring		27/09/2016	
70	24813500.47	1	O-Ring		27/09/2016	
78	51030014	2	Washer DIN 125-14			
81	24813500.48	8	Washer			
83	53052210	1	Pin DIN 1481 3-20			
85	52102154	4	Bolt DIN 933 M6-10 8.8			
86	24813500.88	4	Screw			
91	24813500.98	1	Bolt		27/09/2016	
95	24813500.49	8	Screw		27/09/2016	
105	24813500.99	1	Nut		27/09/2016	

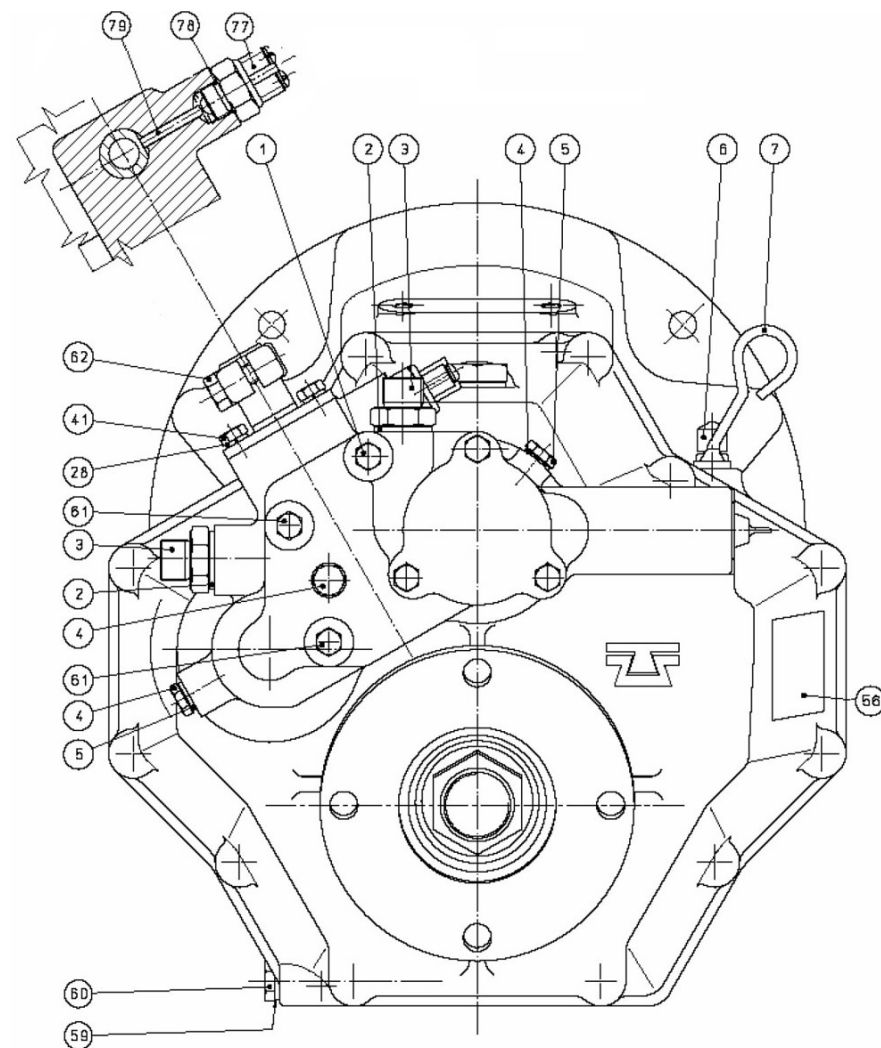


D_5037_5		Maintenance Kit				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	24813401	1	Kit Gasket			
2	A0201000	3	ATF Sole Diesel Oil 1L			
NS	24813500.84	1	Anode SP60 (Saltwater)			
NS	T2050044	1	Aluminum Anode (Fresh Water) SP60			

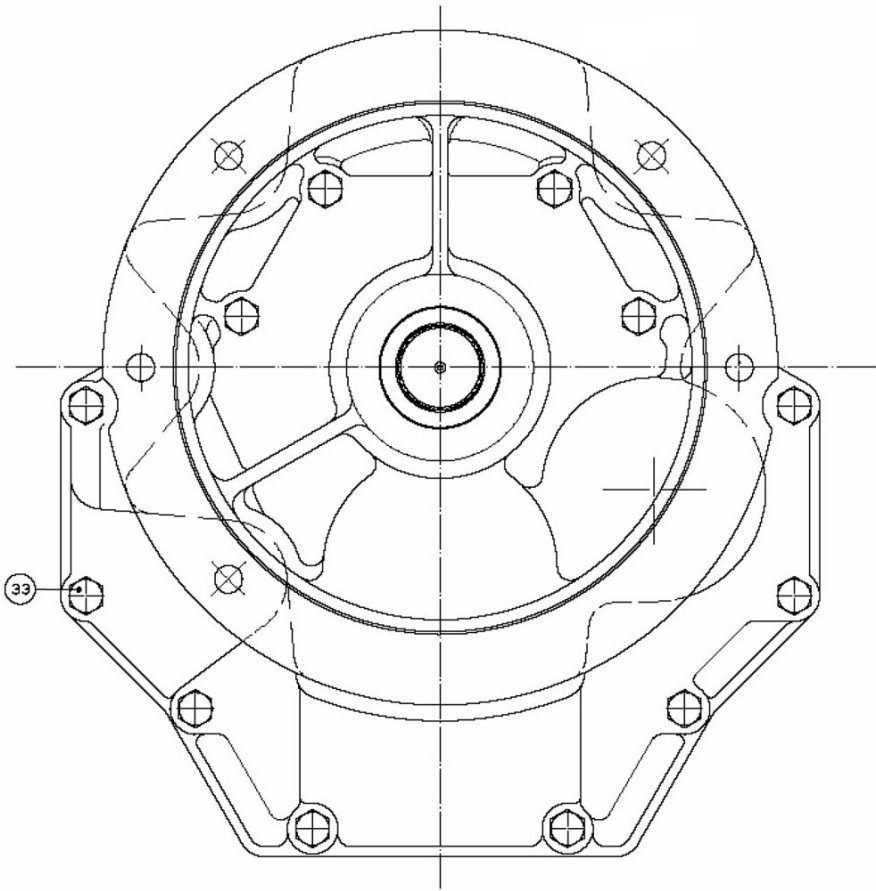


D_5023_1 Sheet 1/4

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

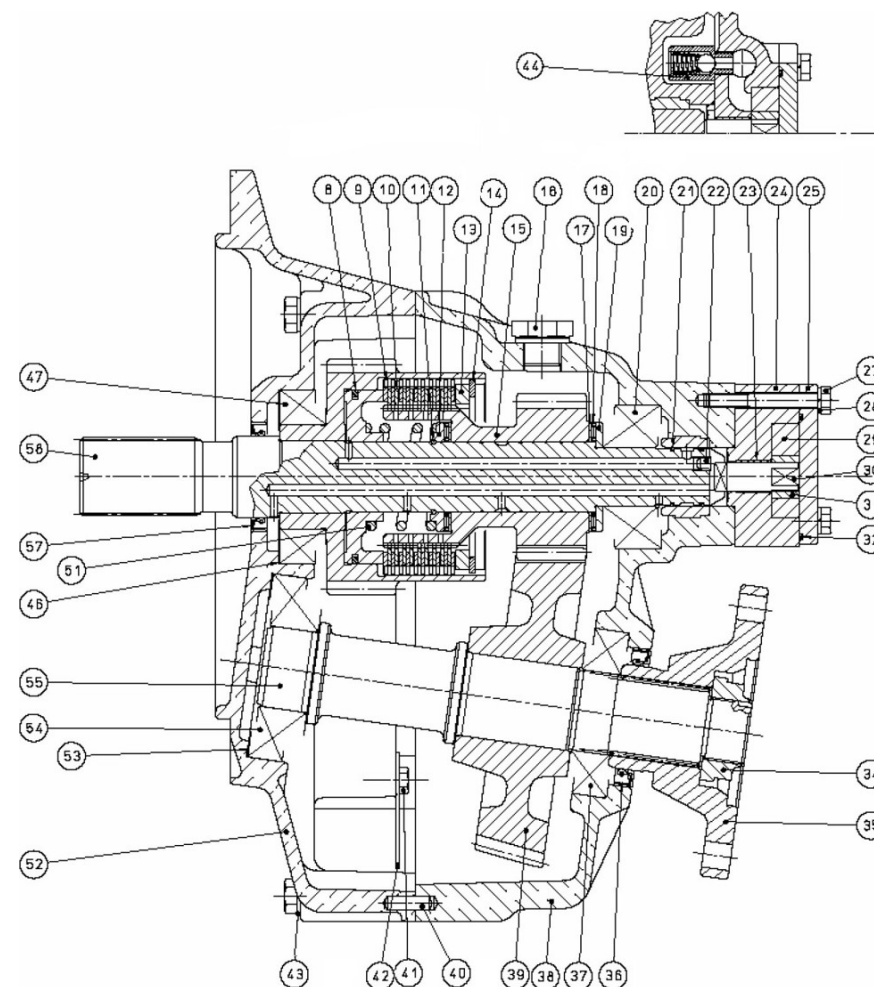


D_5023_2		Sheet 2/4			
Fig.	Ref.	Qty.	Descr.	Obs	From UpTo
33	24830113	1	Screw		



D_5023_3 Sheet 3/4

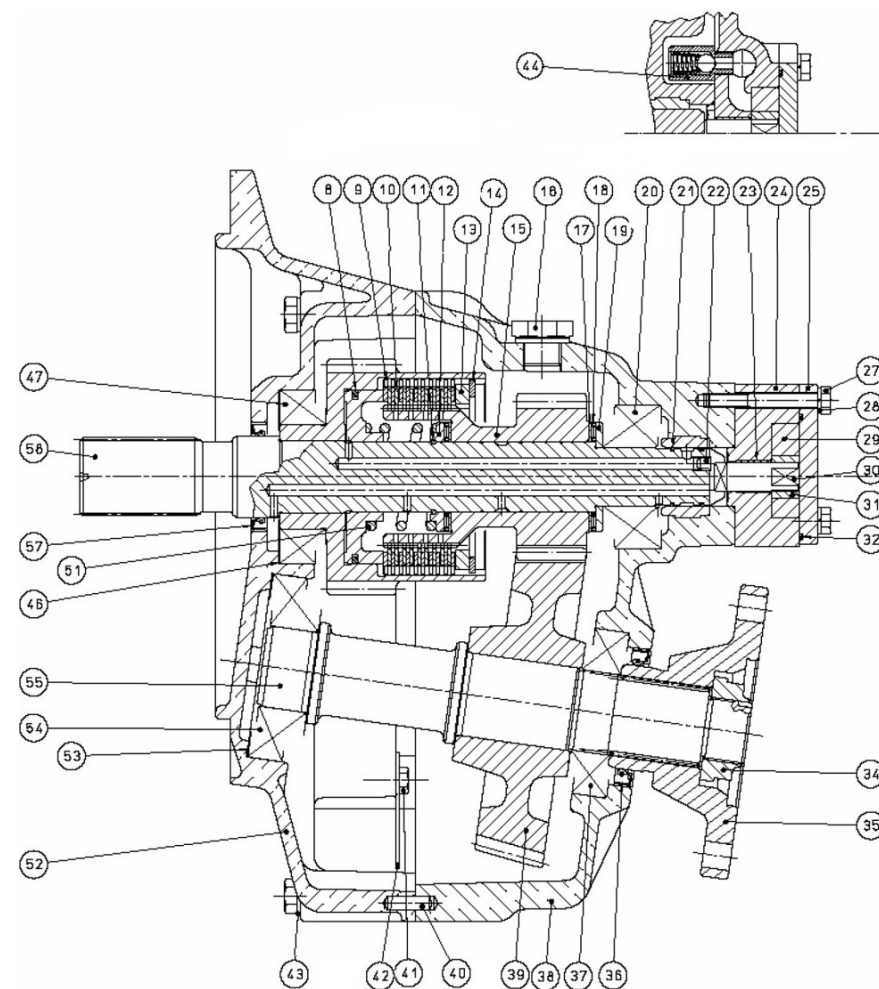
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
8	24850323	2	Washer			
11	24850310	2	Ring			
12	24850307	2	Ring			
13	24850333	2	Spacer			
14	24850312	2	SEGER			
15A	24852203	1	Gear R. 1,54 TM 345			
15B	24853203	1	Gear R. 2 TM 345			
15C	24854203	1	Gear R. 2,47 TM 345			
16	24850012	1	Plug			
17	24850318	4	Ring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



D_5023_3

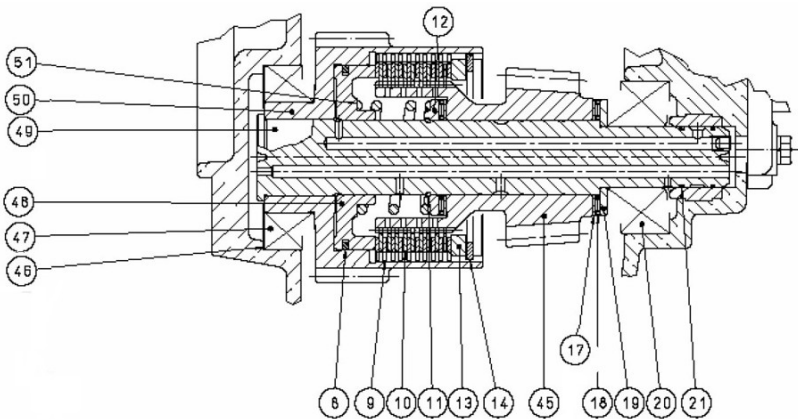
Sheet 3/4

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

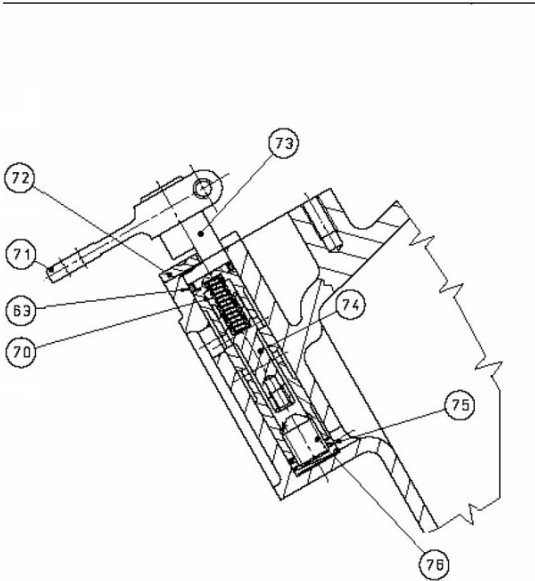


D_5023_4 Sheet 4/4

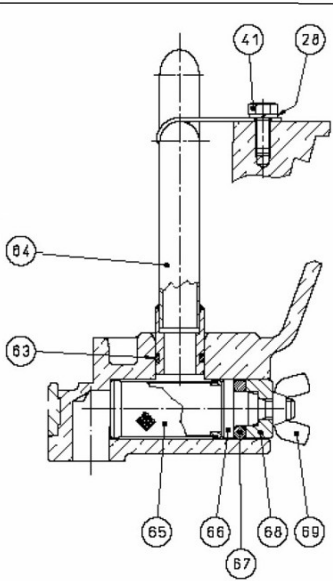
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
45A	24852203	1	Gear R. 1,54 TM 345			
45B	24853203	1	Gear R. 2 TM 345			
45C	24854203	1	Gear R. 2,47 TM 345			
48	24850124	2	Piston			
49	24850301	1	INTERMEDIATE Shaft			
50	24850330	1	Bell			
63	24810045	2	O-Ring D. 15,08X2,62			
64	24850081	1	Aspiration Tube			
65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



INTERMEDIATE SHAFT ASSEMBLY



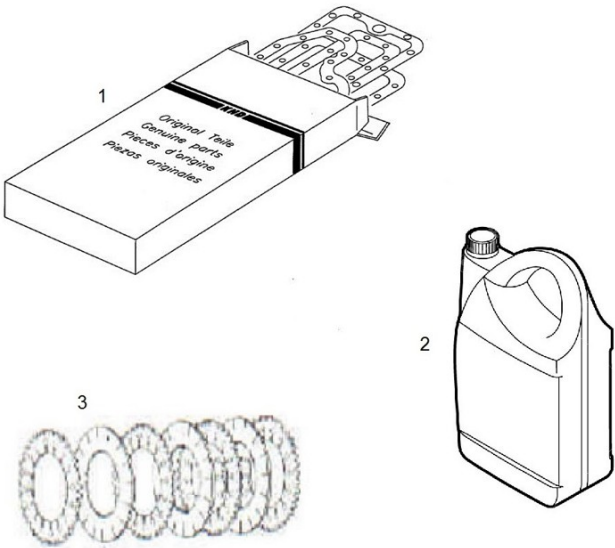
SELECTOR VALVE ASSEMBLY



OIL FILTER ASSEMBLY

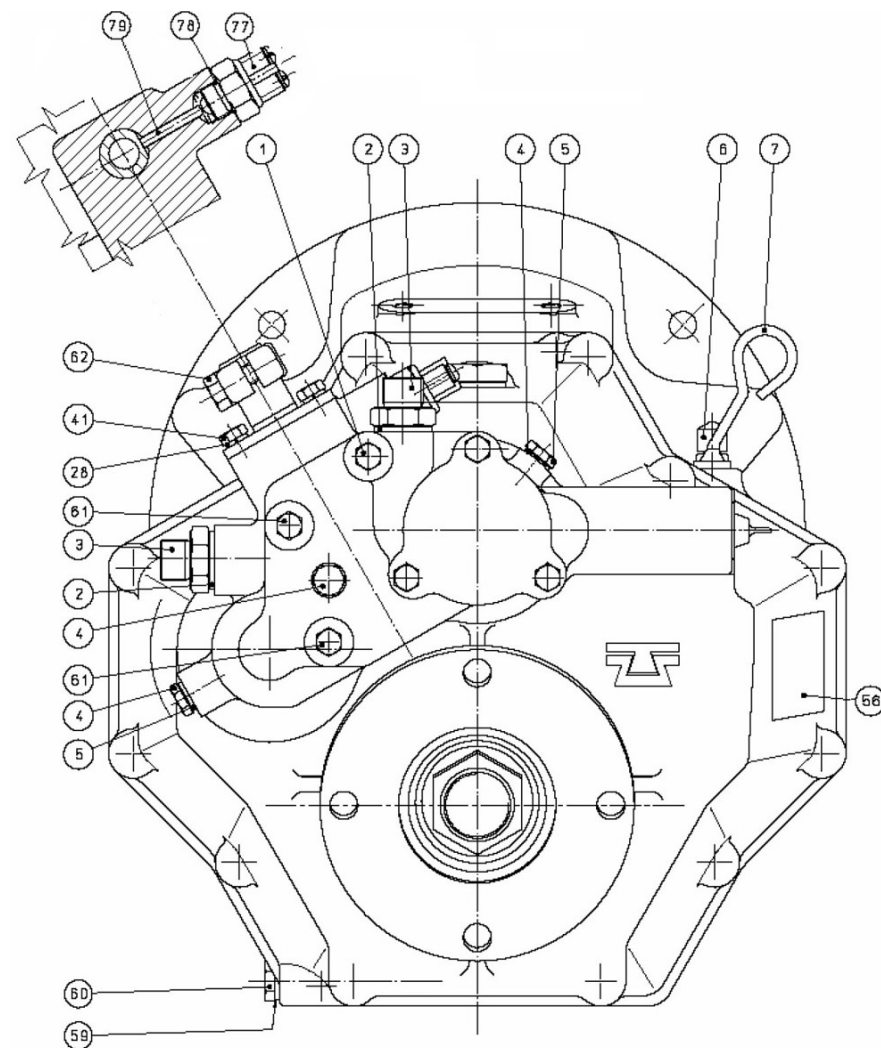


D_5023_5		Maintenance Kit				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	24850401	1	Kit Gasket			
1	24850401	1	Kit Gasket			
2	A0105000	1	15W40 Sole Diesel Oil 5L			
2	A0105000	1	15W40 Sole Diesel Oil 5L			
3	24850403	2	Clutch Plate Kit			
3	24850403	2	Clutch Plate Kit			



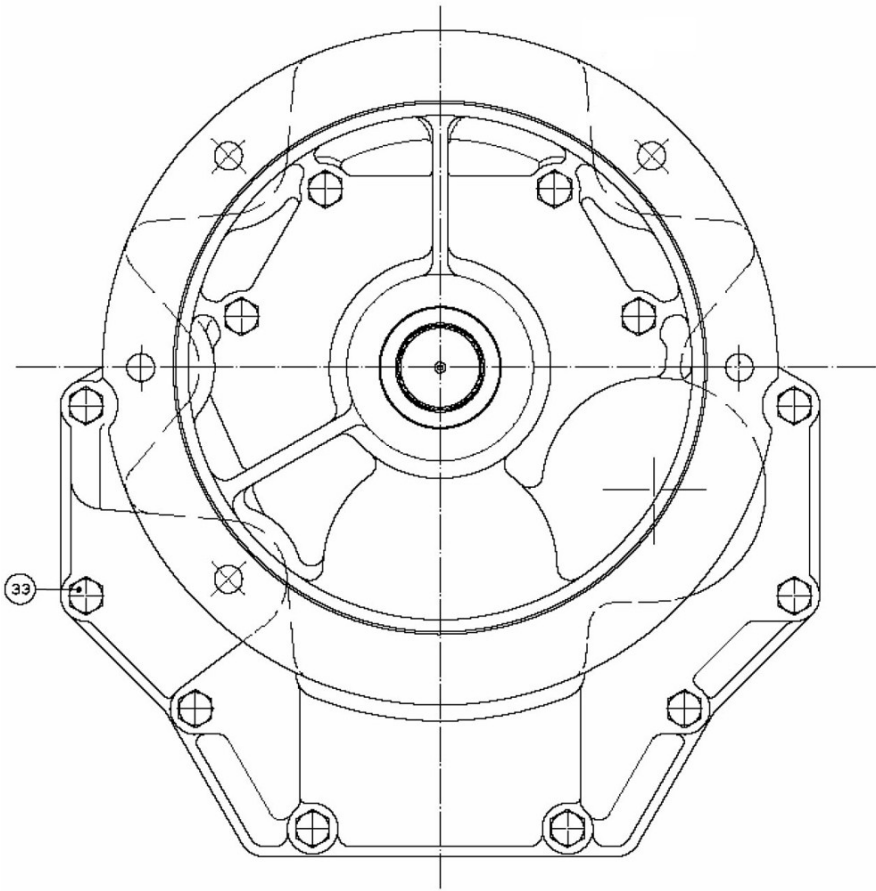
D_5024_1 Sheet 1/4

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



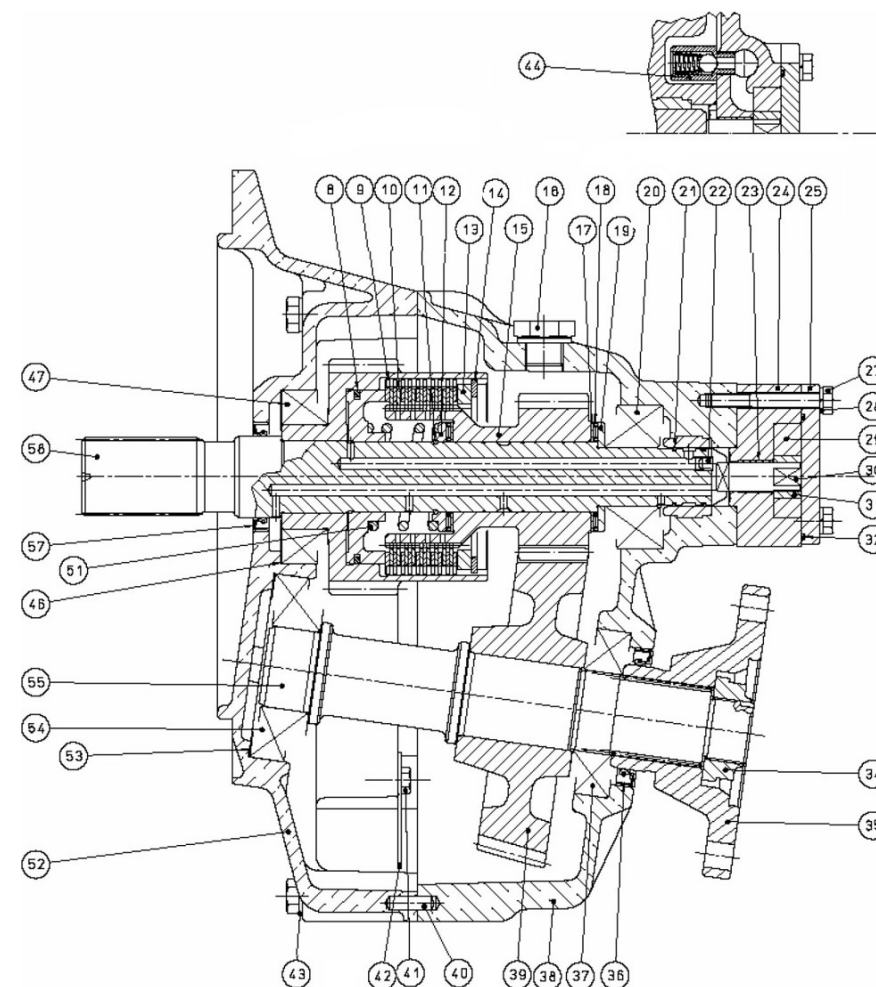
D_5024_2 Sheet 2/4

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
33	24830113	1	Screw			



D_5024_3 Sheet 3/4

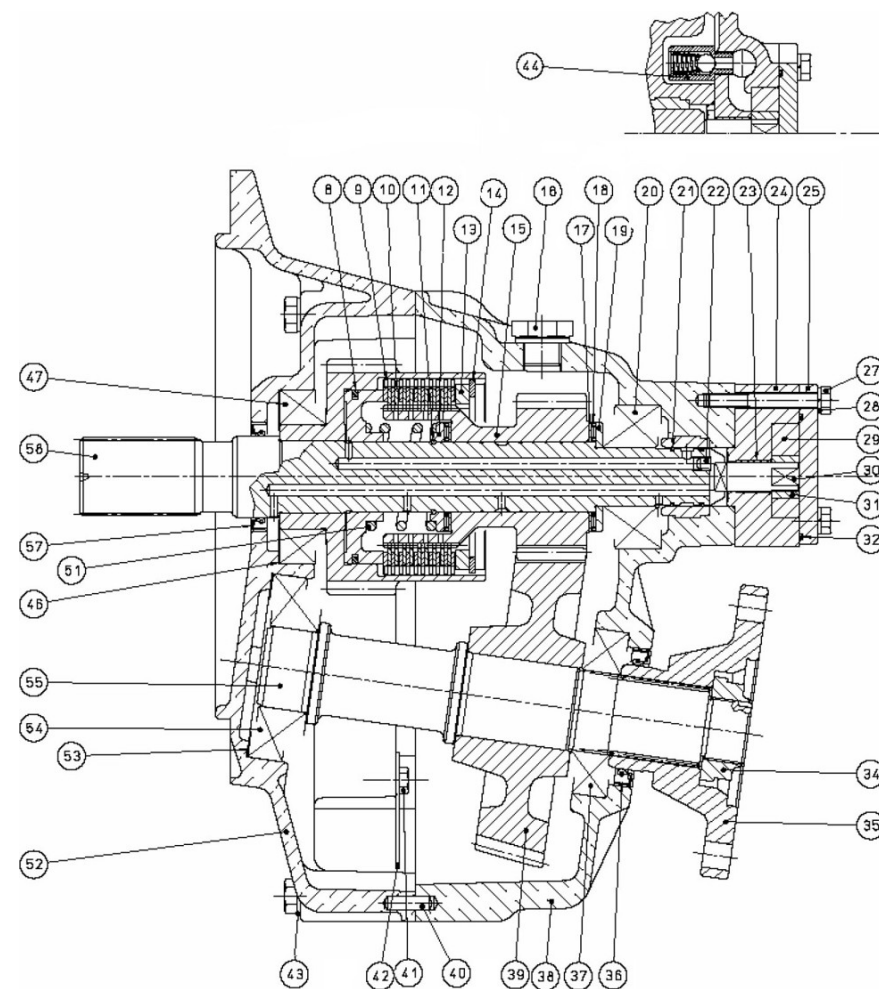
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
8	24850323	2	Washer			
11	24850310	2	Ring			
12	24850307	2	Ring			
13	24850333	2	Spacer			
14	24850312	2	SEGER			
15A	24852203A	1	Gear R. 1,54 TM 345A			
15B	24853203A	1	Gear Red. 2 TM 345A			
15C	24854203A	1	Gear R. 2,47 TM 345A			
16	24850012	1	Plug			
17	24850318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



D_5024_3

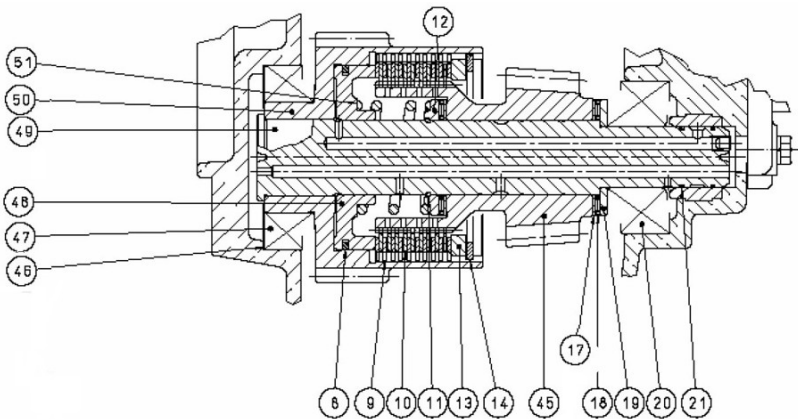
Sheet 3/4

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

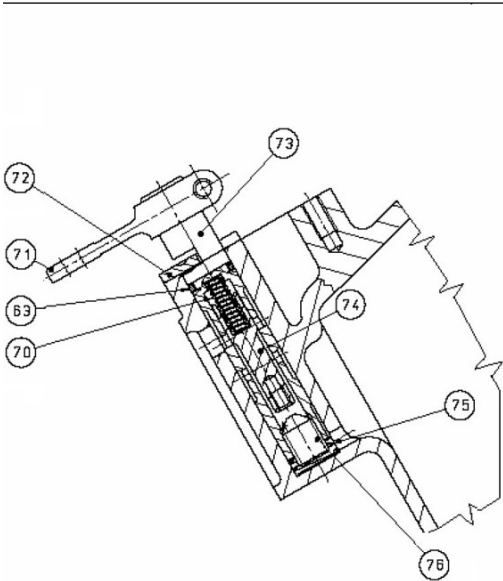


D_5024_4 Sheet 4/4

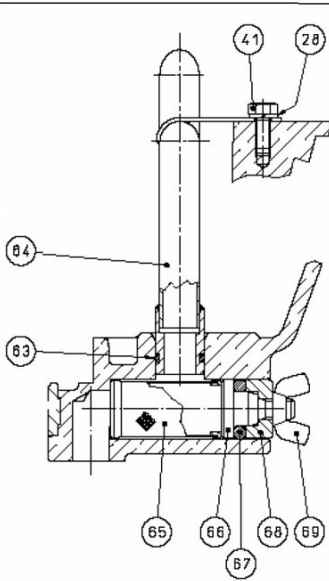
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
45A	24852302	1	Gear R. 1,54 TM 345A			
45B	24853302	1	Gear R. 2 TM 345A			
45C	24854302	1	Gear R. 2,47 TM 345A			
48	24850124	2	Piston			
49	24850301	1	INTERMEDIATE Shaft			
50	24850330	1	Bell			
63	24810045	2	O-Ring D. 15,08X2,62			
64	24850081	1	Aspiration Tube	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



INTERMEDIATE SHAFT ASSEMBLY

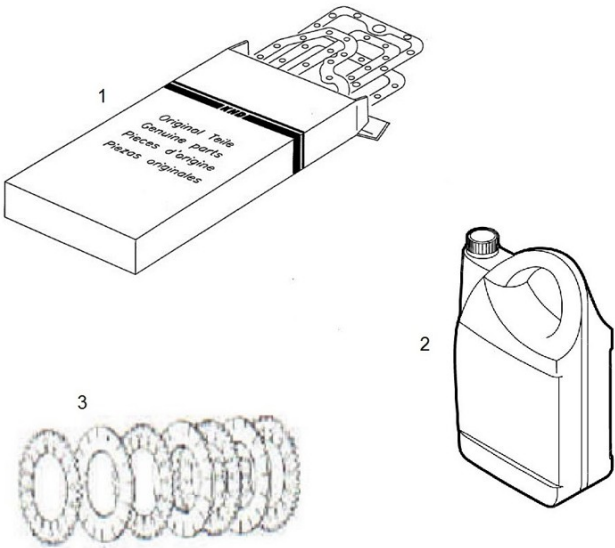


SELECTOR VALVE ASSEMBLY



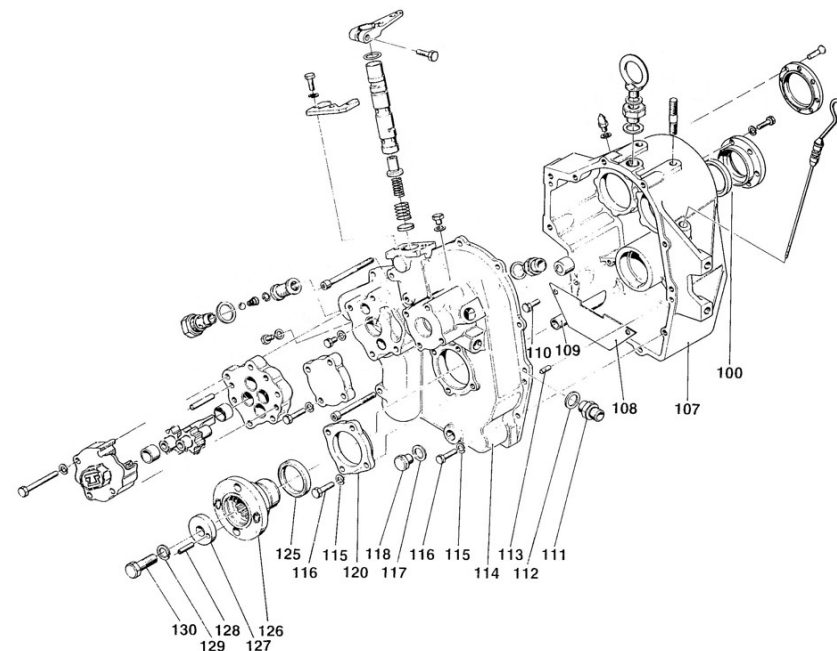
OIL FILTER ASSEMBLY

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



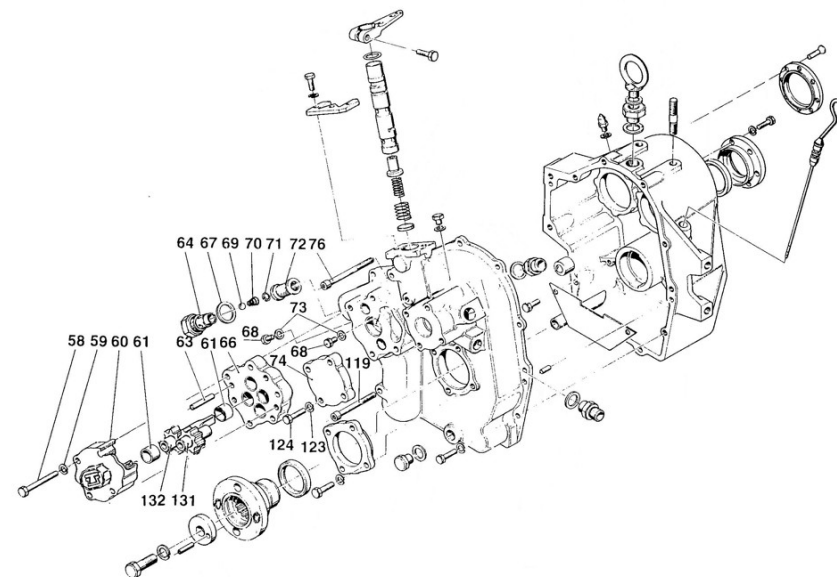
D_5030_1.1 Sheet 1.1/4

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			



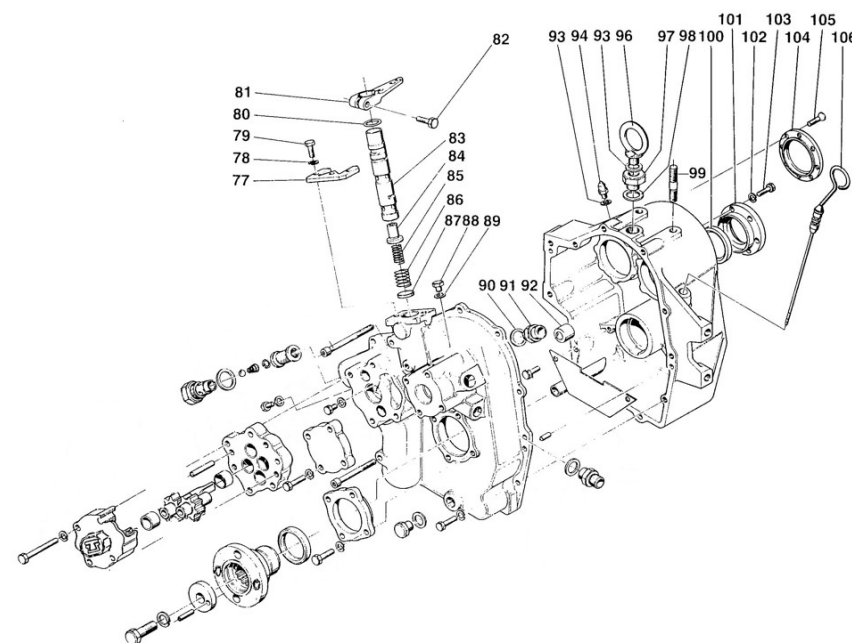
D_5030_1.2 Sheet 1.2/4

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
58	52101266	4	Bolt DIN 931 M8-65 8.8			
59	24810014	4	Washer			
60	24810004	1	Oil Pump Body Cover			
61	24810025	4	Bushing			
63	24820023.1	2	Pin			
64	24810024	1	Plug, Oil Filter DRAIN			
66	24810003	1	Oil Pump Body, Engine Side			
67	24810027	1	Washer			
68	24810028	2	Screw			
69	18024143	1	Ball,steel 1/2"			
70	24810030	1	Valve Spring			
71	24810032	1	SNAP Ring			
72	24810035	1	Oil Filter			
73	24810036	2	Washer			
74	24810038	1	Cover			
76	24810040	1	Screw			
119	24810089	1	Screw			
123	53033008	4	Washer GROWER DIN 127-8			
124	52102258	4	Bolt DIN 933 M8-25 8.8			
131	24810095	1	Gear, Driven			
132	24810096	1	Gear, Driver			
NS	52103158	3	Bolt DIN 912 M6-25 8.8			



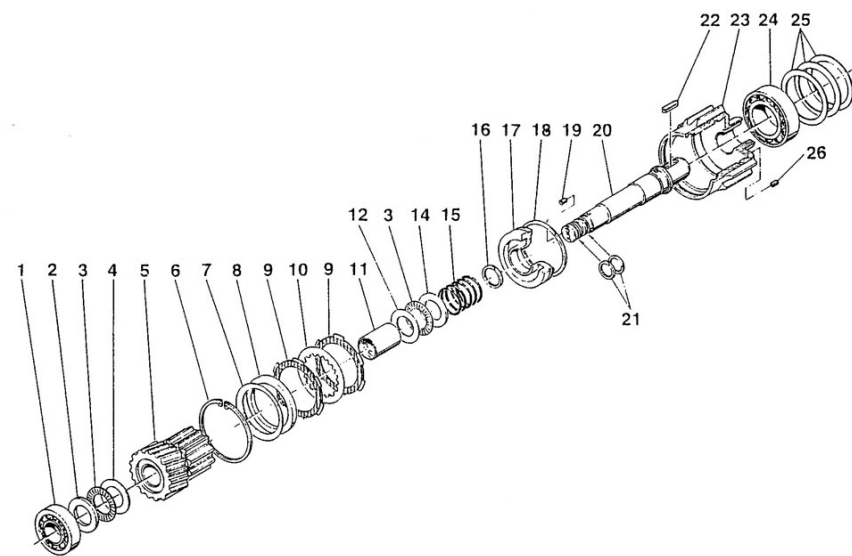
D_5030_1.3 Sheet 1.3/4

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
77	24810041	1	Support			
78	24810042	2	Washer			
79	24810044	2	Screw			
80	24810056	1	O-Ring			
81	24810424	1	Lever			
82	24810047	1	Screw			
83	24810051	1	Distributor			
84	24810052	1	Valve			
85	24810053	1	Spring, Valve INNER			
86	24810054	1	Spring, Valve			
87	24810055	1	Expansion Plug			
88	24810028	1	Screw			
89	24810036	1	Washer			
90	24810059	1	Plane Washer			
91	24810060	1	Racord			
92	24810062	1	Valve BY PASS			
93	24810063	2	Plane Washer			
94	24810065	1	Plug			
96	24810012	1	Nut			
97	24810068	1	Plug			
98	56000083	1	Washer 21-26-1,5			
99	24810071	2	Stud			
100	24810103S	1	Grommet, Oil SILICON			
101	24810072	1	Cover			
102	53033008	6	Washer GROWER DIN 127-8			
103	52102258	6	Bolt DIN 933 M8-25 8.8			
104	24810075	1	Cover			
105	24810076	8	Screw			
106	24830008	1	ROD, LEVEL Oil			

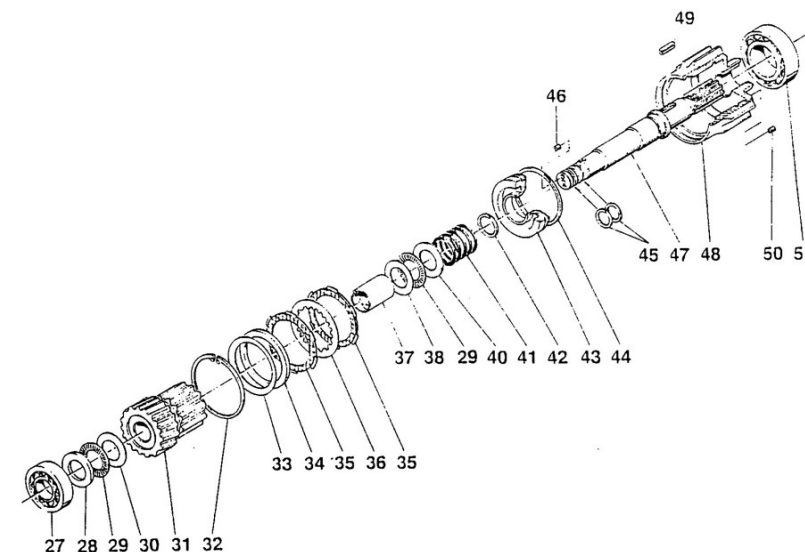


D_5030_2 Intermediate Shaft 2/4

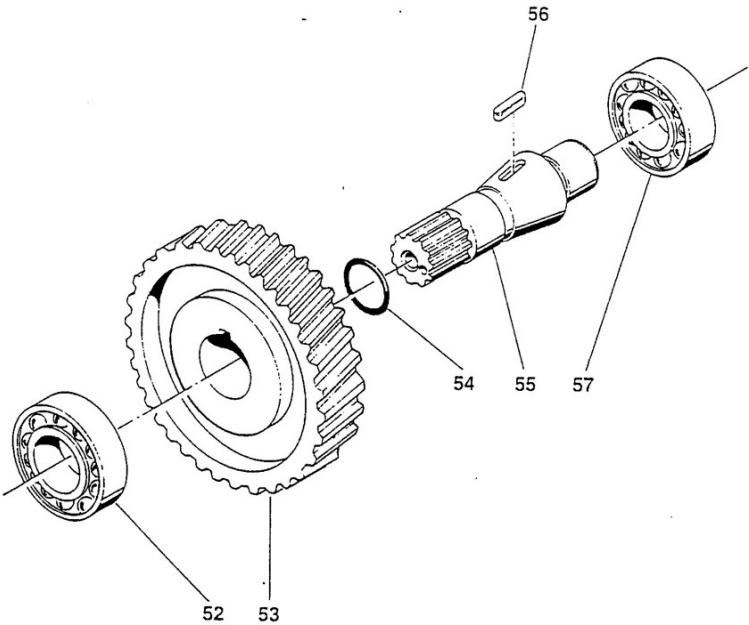
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	24870207	1	Bearing			
2	24810307	1	Washer			
3	24810309	2	Roller			
4	24810310	1	Ring			
5A	24812302	1	Gear R. 1,5 TM 93			
5B	24813302	1	Gear R. 2 TM 93			
5C	24814302	1	Gear R. 2,4 TM 93			
5D	24815302	1	Gear R. 2,8 TM 93			
6	24810312	1	SNAP Ring			
7	24810313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



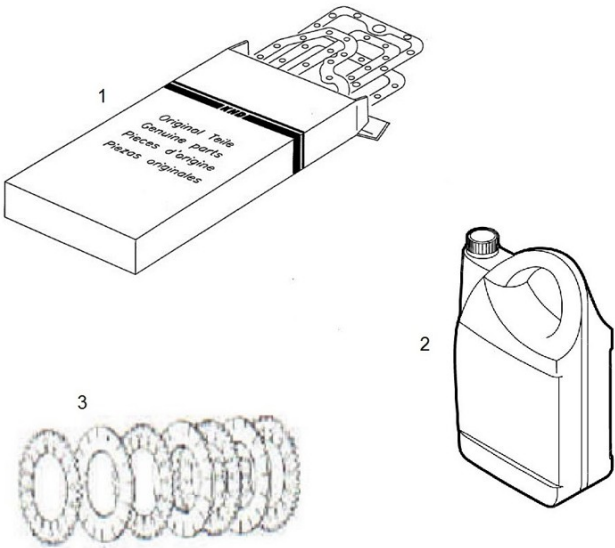
D_5030_3		Input Shaft 3/4			
Fig.	Ref.	Qty.	Descr.	Obs	From UpTo
27	24870207	1	Bearing		
28	24810307	1	Washer		
29	24810309	2	Roller		
30	(*)	1	Not available		
31A	24812302	1	Gear R. 1,5 TM 93		
31B	24813302	1	Gear R. 2 TM 93		
31C	24814302	1	Gear R. 2,4 TM 93		
31D	24815302	1	Gear R. 2,8 TM 93		
32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

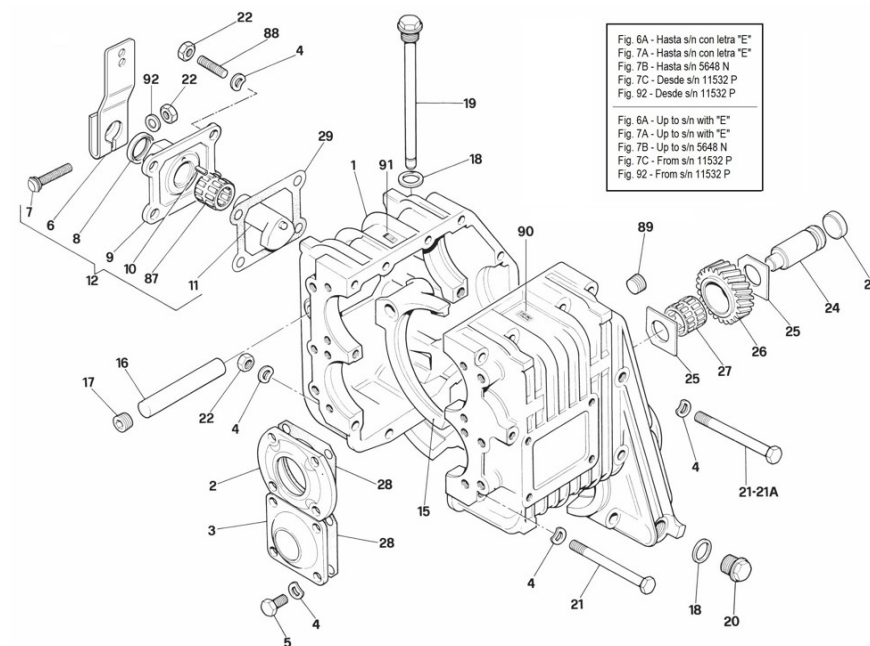


D_5030_5		Maintenance Kit				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	24810401	1	Kit Gasket			
2	A0105000	1	15W40 Sole Diesel Oil 5L			
3	24810403	2	Clutch Plate Kit			



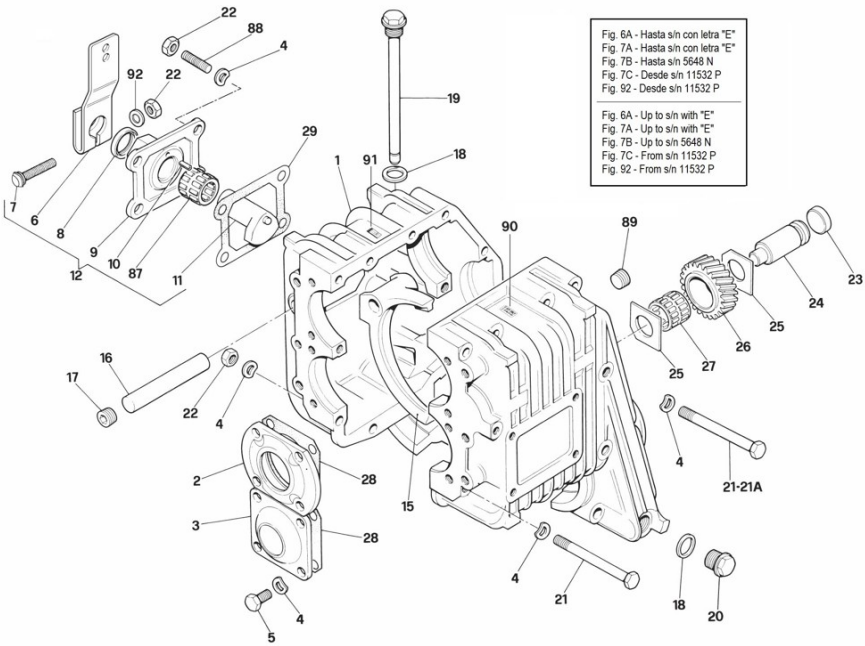
D_50Z2_1 Sheet 1/2

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	24610030	1	Housing Assy			
2	24610031	1	Cover			
3	24610032	1	Cover			
4	24610033	37	Spring Washer			
5	24610034	8	Hex Screw			
6A	24610401	1	Actuating Lever			
6B	24610402	1	Actuating Lever			
7A	24610403	1	Hex Head Screw			
7B	24610404	1	Cap Screw M8X40			
7C	24610405	1	Screw (Actuating Lever)			
8	24610406	1	Shaft Seal Ring			
9	24610407	1	Cover			
10	24610408	1	Dowel Pin			
11	24610409	1	Actuating Cam Assembly			
12	24610400	1	Shift Cover Assembly			
15	24610411	1	Shift Fork			
16	24610035	1	Shift Rod			
17	24610036	1	Plug			
18	24610037	1	Sealing Ring			
19	24610038	1	Dipstick			
20	24610039	1	Oil Drain Plug			
21	24610040	14	Hex Screw			
22	24610041	16	Hex Nut			
23	24610042	1	Plug			
24	24610301	1	Intermediate Shaft			
25	24610302	2	Disc			
26	24610303	1	Intermediate Gear			
27	24610304	1	Needle Bearing			
28	24610043	2	Gasket			
29	24610412	1	Gasket (or Loctite 518)			
87	24610410	2	Needle Bearing			



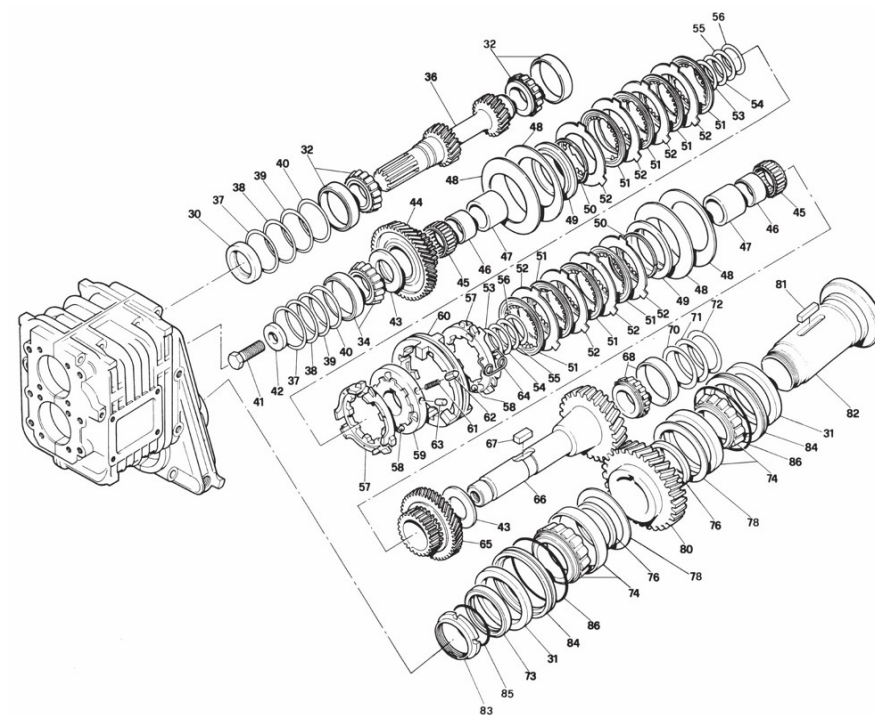
D_50Z2_1		Sheet 1/2			
Fig.	Ref.	Qty.	Descr.	Obs	From UpTo

88	24610044	4	Stud		
89	24610045	4	Plug		
90	24610046	1	Name Plate		
91	24610047	1	Oil Name Plate		
92	24610413	1	Washer		



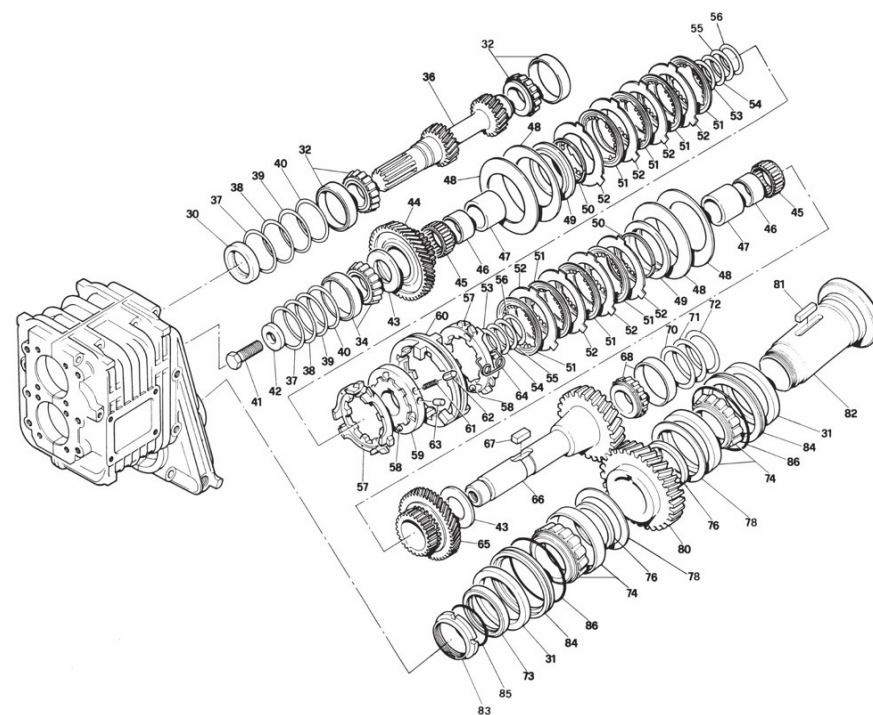
D_50Z2_2 Sheet 2/2

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
30	24613430	1	Input Shaft Seal			
31	24613431	2	Output Shaft Seal			
32	24610102	2	Tapered Roller Bearing			
34	24610305	1	Tapered Roller Bearing			
36A	24610103	1	Input Shaft Hbw 150 V 1.8R Z1/Z3=27/22			
36B	24610104	1	Input Shaft Zf 15 Miv 2.13R Z1/Z3=24/22			
36C	24610105	1	Input Shaft Zf 15 Miv 2.72R Z1/Z3=18/22			
36D	24610106	1	Input Shaft Zf 15 Miv 2.99R Z1/Z3=19/22			
37	24610107	2	Shim 0.10 mm			
38A	24610108	2	Shim 0.15 mm			
38B	24610109	2	Shim 0.20 mm			
38C	24610110	2	Shim 0.30 mm			
39	24610111	2	Shim 0.50 mm			
40	24610112	2	Shim 1.00 mm			
41	24610307	1	Hex Head Screw			
42	24610308	1	Spacer			
43	24610309	2	Thrust Ring			
44A	24610310	1	Gear Hbw 150 V - 1.8R «08» Z2=42			
44B	24610311	1	Gear Zf 15 Miv - 2.13R «001» Z2=45			
44C	24610312	1	Gear Zf 15 Miv - 2.72R «003» Z2=43			
44D	24610313	1	Gear Zf 15 Miv - 2.99R «002» Z2=50			
45	24610314	2	Needle Bearing			
46	24610315	2	Needle Bearing			
47	24610316	2	Spacer			
48	24610317	4	Spring			
49	24610318	2	Disc			
50	24610319	4	Ring Half			
51	24610320	8	Internal Clutch Disc			
52	24610321	8	External Clutch Disc			
53A	24610322	2	Shim 0.3 mm			
53B	24610323	2	Shim 0.4 mm			



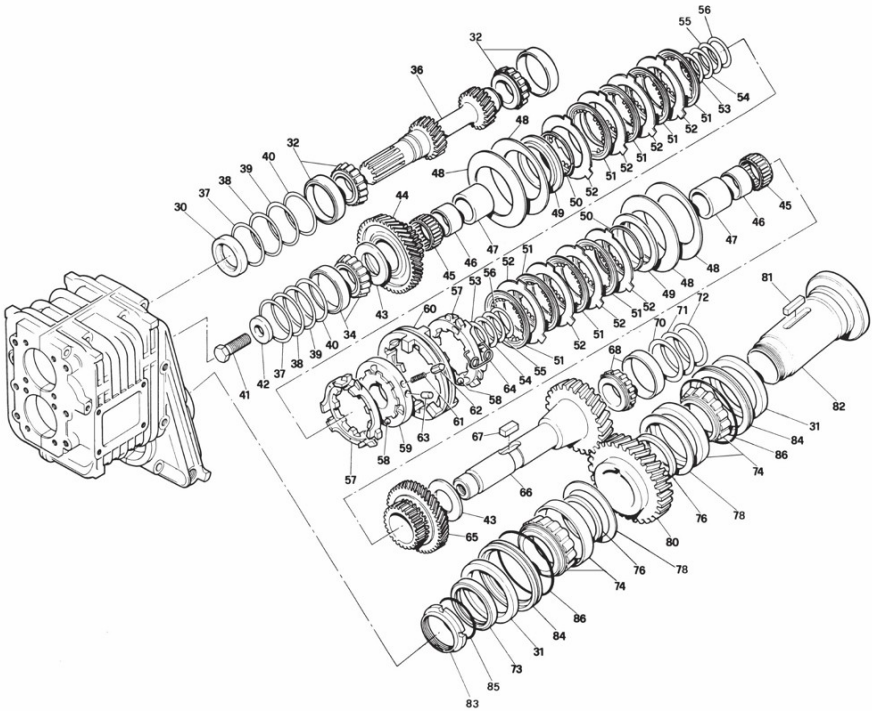
D_50Z2_2 Sheet 2/2

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
54	24610324	2	Shim 0.5 mm			
55	24610325	2	Shim 0.6 mm			
56	24610326	2	Shim 0.7 mm			
57	24610327	2	Disc Carrier			
58	24610328	6	Ball			
59	24610329	1	Guide Sleeve			
60	24610330	1	Change Selector			
61	24610331	3	Pressure Spring			
62	24610332	3	Stop Pin			
63	24610333	3	Guide Pin			
64	24610334	3	Torsion Spring			
65	24610335	1	Gear Z5=43			
66	24610336	1	Intermediate Shaft Z6=29			
67	24610337	2	Cotter			
68	24610338	1	Tapered Roller Bearing			
70	24610339	2	Shim 0.1 mm			
71	24610340	1	Shim 0.3 mm			
72	24610341	1	Shim 0.5 mm			
73	24610202	1	Ring			
74	24610203	2	Tapered Roller Bearing			
76	24610204	2	Spacer Ring			
78A	24610205	2	Shim 1.1 mm			
78B	24610206	2	Shim 1.2 mm			
78C	24610207	2	Shim 1.3 mm			
78D	24610208	2	Shim 1.4 mm			
78E	24610209	2	Shim 1.5 mm			
78F	24610210	2	Shim 1.6 mm			
78G	24610211	2	Shim 1.7 mm			
78H	24610212	2	Shim 1.8 mm			
78I	24610213	2	Shim 1.9 mm			
78J	24610214	2	Shim 2.0 mm			

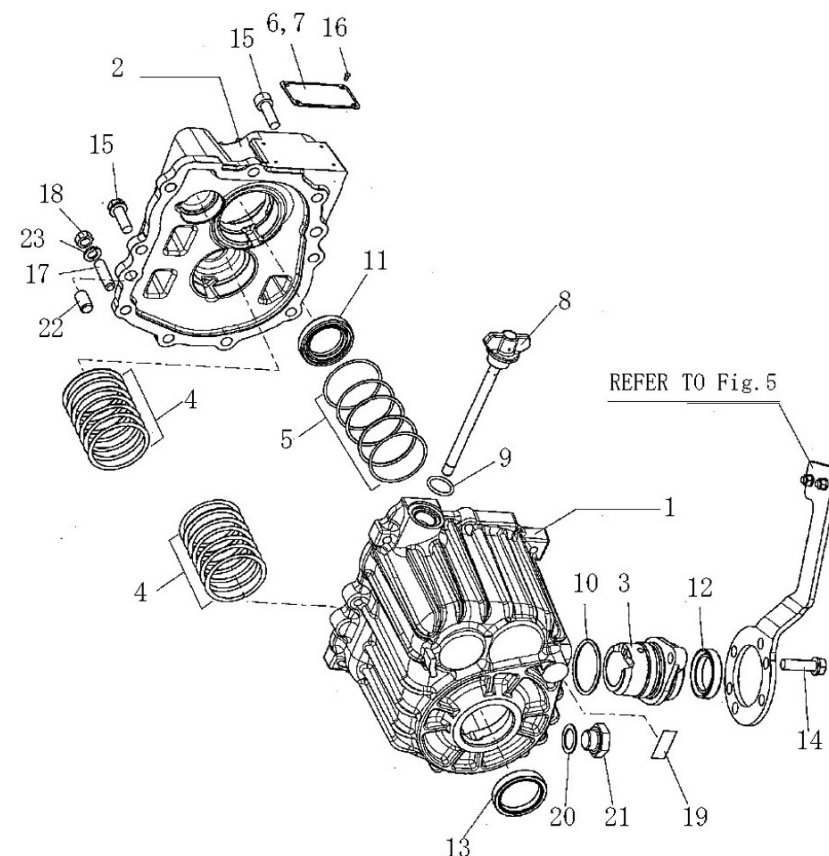


D_50Z2_2 Sheet 2/2

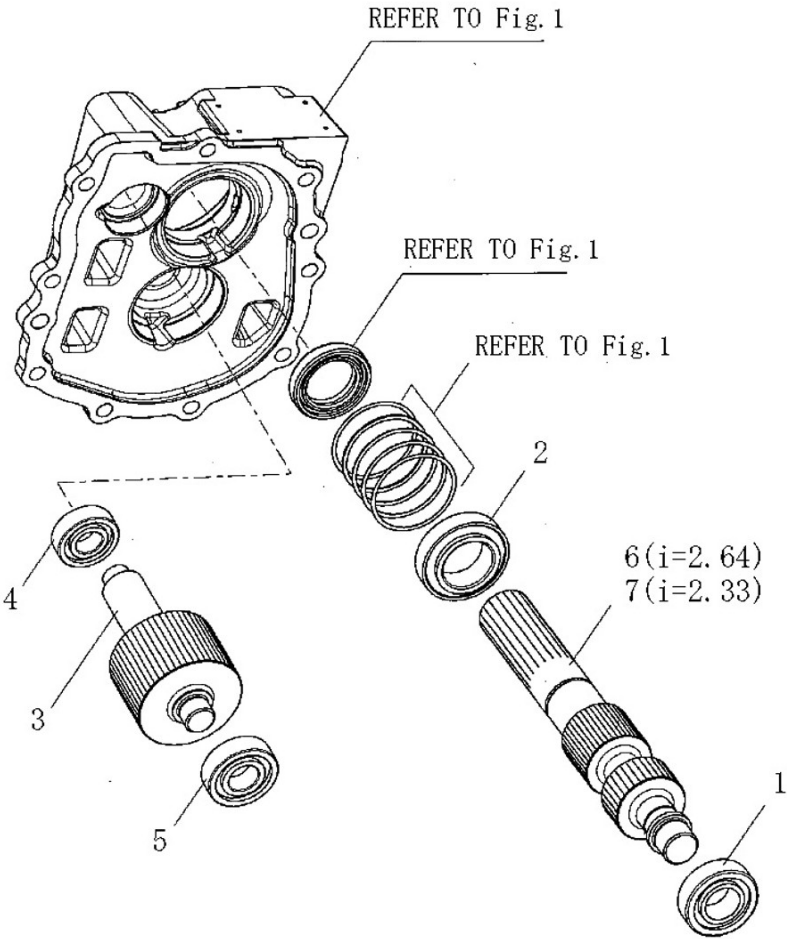
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
78K	24610215	2	Shim 2.1 mm			
78L	24610216	2	Shim 2.2 mm			
78M	24610217	2	Shim 2.3 mm			
78N	24610218	2	Shim 2.4 mm			
80	24610219	1	Gear Z=33			
81	24610220	1	Key			
82	24610221	1	Output Shaft			
83	24610222	1	Ring Nut			
84	24610223	2	Ring			
85	24610224	1	O-Ring			
86	24610225	2	O-Ring			



D_5008_1		Housing 1/5			
Fig.	Ref.	Qty.	Descr.	Obs	From UpTo
1	24910002A	1	Housing Clutch TTMC35A2-B4		
2	24910001A	1	Housing Front TTMC35A2-B4		
3	24910401	1	Body,Control		
4	24910212	2	Shim Set		
5	24910112	1	Shim Set		
6	24914005A	1	LABEL Assy, TTMC 2.64		
7	24913005A	1	LABEL Assy, TTMC 2.33		
8	24910008A	1	Gauge Oil LEVEL		
9	24910010	1	O-Ring		
10	24910417	1	O-Ring		
11	24910103	1	Oil Seal		
12	24910404	1	Seal		
13	24910214	1	Oil Seal		
14	52102259	2	Bolt DIN 933 M8-30 8.8		
15	52102258	7	Bolt DIN 933 M8-25 8.8		
16	24910004	4	RIVET		
17	52102257	2	Bolt DIN 933 M8-20 8.8		
18	52120008	2	Nut DIN 934 M8 8.8		
19	24910006	1	LABEL, Oil		
20	56000073	1	Copper Washer 16-23-1,5		
21	24910011A	1	Plug,oil drain		
22	24910007	2	Pin 10X16		
23	53033008	2	Washer GROWER DIN 127-8		

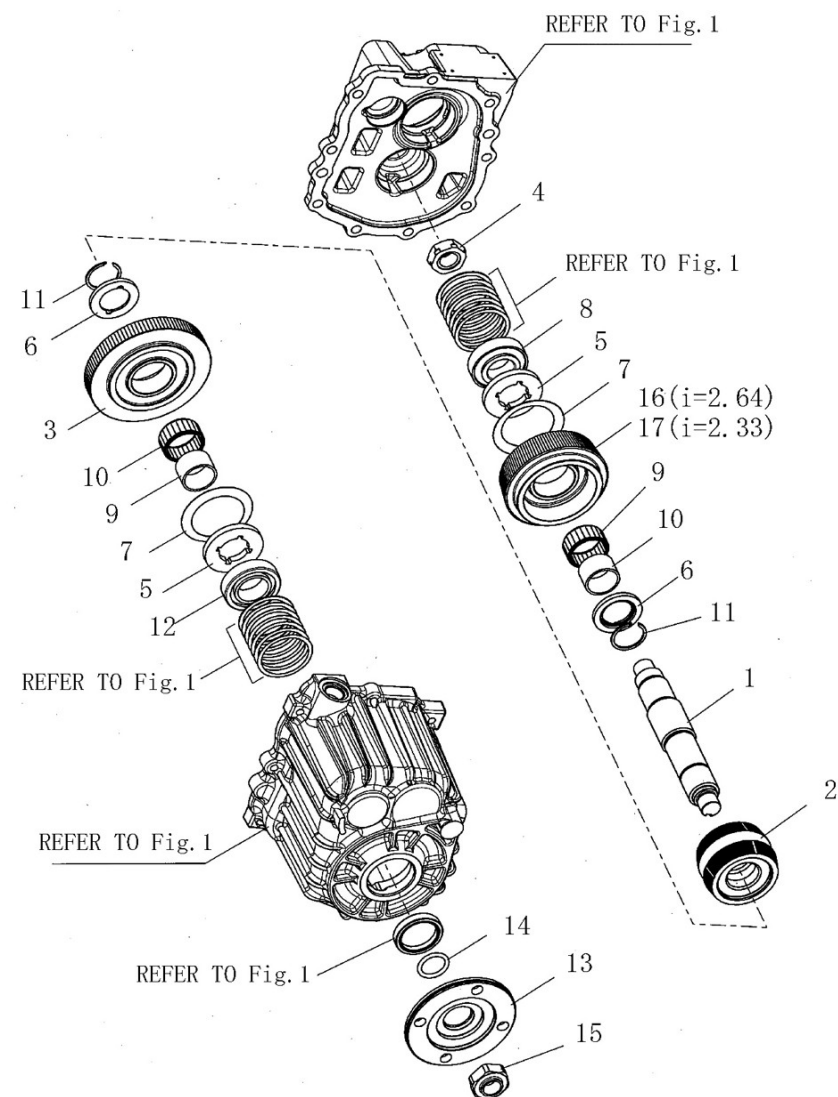


D_5008_2		Input & Intermediate Shaft 2/5				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	24910104A	1	Bearing			
2	24910105	1	Bearing			
3	24910301A	1	Shaft, IDLE Gear			
4	30125014	1	Ball Bearing 6202-DDU			
5	33311014	1	Ball Bearing 6203			
6	24914101A	1	Shaft, Input			
7	24913101A	1	Shaft, Input			

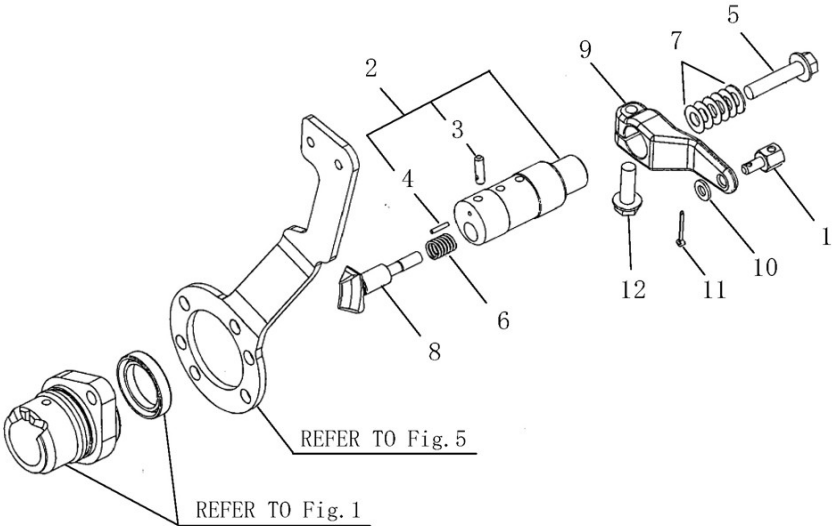


D_5008_3 Output Shaft 3/5

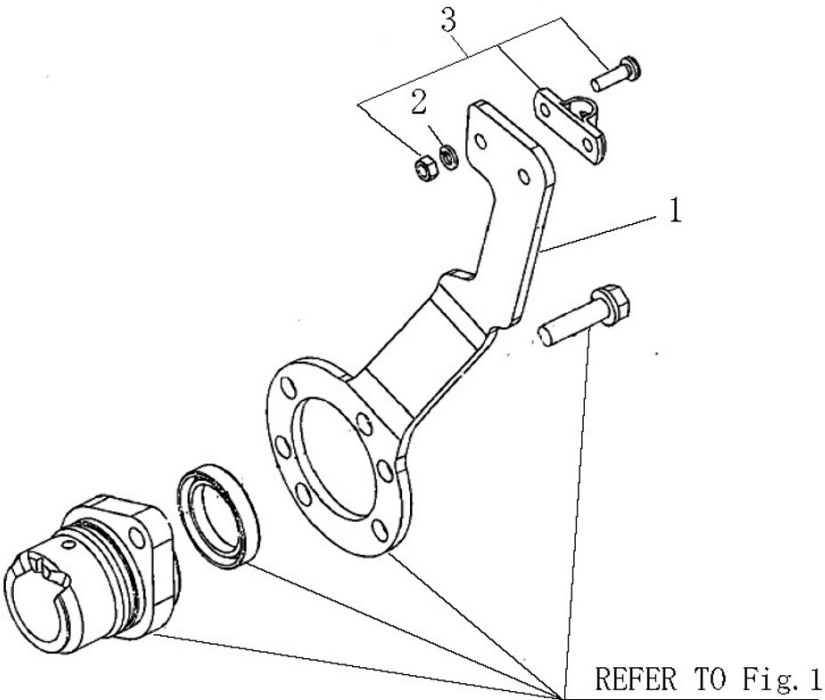
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	24910201	1	Shaft Output			
2	24910202	1	CONE			
3	24910210A	1	Gear Front			
4	24910219	1	Nut			
5	24910215	2	Shim, Adjusting			
6	24910216	2	Shim, Adjusting			
7	24910217	2	Spacer,Gear			
8	24910206	1	Bearing			
9	24910204	2	Bearing NEEDLE			
10	24910205	2	Ring			
11	24910207	2	Ring,INNER			
12	24910208	1	Bearing			
13	24910225	1	Flange, Output			
14	24910231	1	O-Ring			
15	24910226	1	Nut			
16	24914203A	1	Gear Front			
17	24913203A	1	Gear Front			



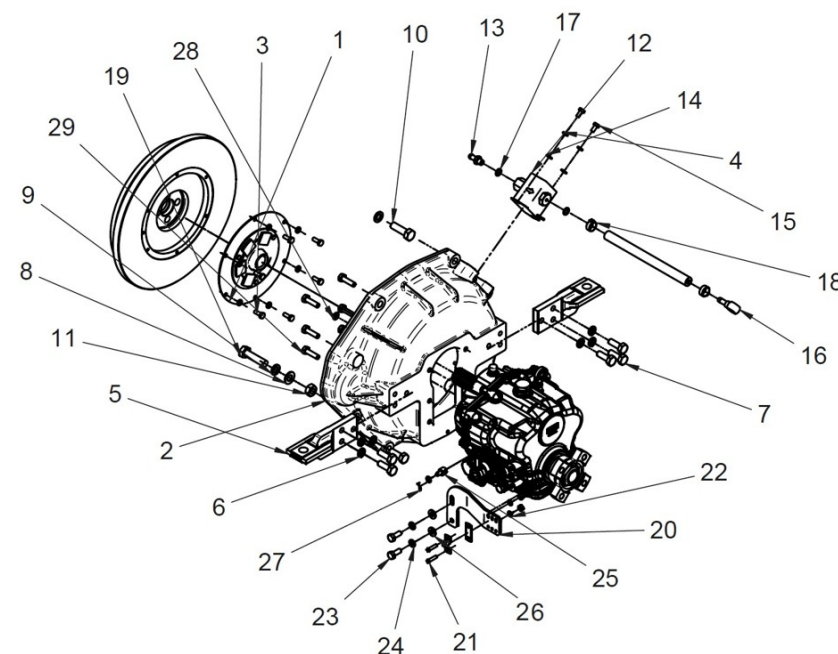
D_5008_4 Remote Control Device 4/5					
Fig.	Ref.	Qty.	Descr.	Obs	From UpTo
1	24910915	1	Coupling,cable		
2	24910402A	1	Shaft Assy, Lever		
3	24910418	1	Pin		
4	24910419	1	Pin		
5	24910407A	1	Bolt,SHIFT Lever		
6	24910411	1	Spring		
7	24910406	1	Shim Set		
8	24910403	1	ARM, Control		
9	24910424	1	Lever,Drive		
10	51030006	1	Washer DIN 125-6		
11	54051155	1	Pin DIN 94 2-16 AC.INOX		
12	52102258	1	Bolt DIN 933 M8-25 8.8		



D_5008_5		Remote Control Pasive Unit 5/5				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	24910901A	1	STAY,REMOTE-Control			
2	53033005	2	Washer GROWER DIN 127-5			
3	24810913	1	Clamp,CABLE			

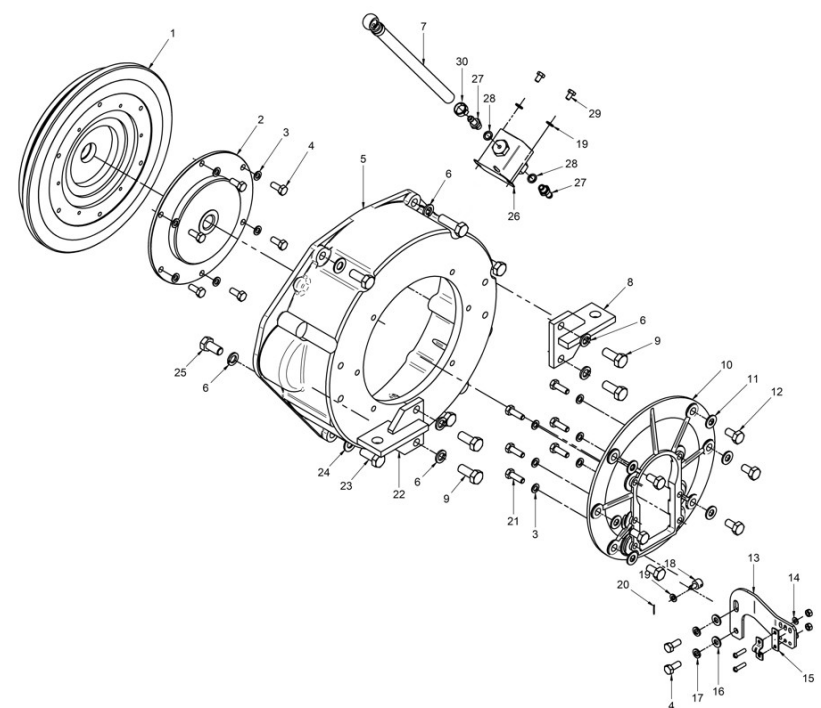


17710240		Kit GearBox TMC-60				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	14710070	1	Flexible coupling type A D. 185			
2	17210009	1	Bell Housing,GearBox			
3	52102156	6	Bolt DIN 933 M6-16 8.8			
4	53033006	6	Washer GROWER DIN 127-6			
5	17210026	2	Rear Bracket			
6	53033010	6	Washer GROWER DIN 127-10			
7	52102309	6	Bolt DIN 933 M10-30 8.8			
8	53038012	5	Washer DIN 6798-A 12			
9	53033012	2	Washer Grower DIN 127-12			
10	52202361	3	Bolt DIN 933 M12-1,25-40 8.8			
11	52120012	2	Nut DIN 934 M12 8.8			
12	13814070	1	Electric Fuel Feed Pump 12V			
13	13814072	2	Straight Hose Connector 1/8" NPTF			
14	51030006	3	Washer DIN 125-6			
15	52102154	2	Bolt DIN 933 M6-10 8.8			
16	17714002	1	Pipe, Pump TO Filter			
17	57000361	2	Washer 10-14-1,5			
18	51086015	1	One Ear Clamp With Interior Ring 13-15,3			
19	52101363	2	Bolt DIN 931 M12-50 8.8			
20	24880901	1	Bracket, GearBox Control			
21	24810913	1	Clamp,CABLE			
22	51030005	2	Washer DIN 125-5			
23	52102257	2	Bolt DIN 933 M8-20 8.8			
24	53033008	2	Washer GROWER DIN 127-8			
25	14719115	1	Coupling,cable			
26	51030008	2	Washer DIN 125-8			
27	51051107	1	Pin DIN-94 1,6-16			
28	53038008	6	Washer DIN 6798-A 8			
29	52101259	6	Bolt DIN 931 M8-30 8.8			
NS	58088283	1	Pastic Cable Zip Tie			
NS	60900126	1	TERMINAL			

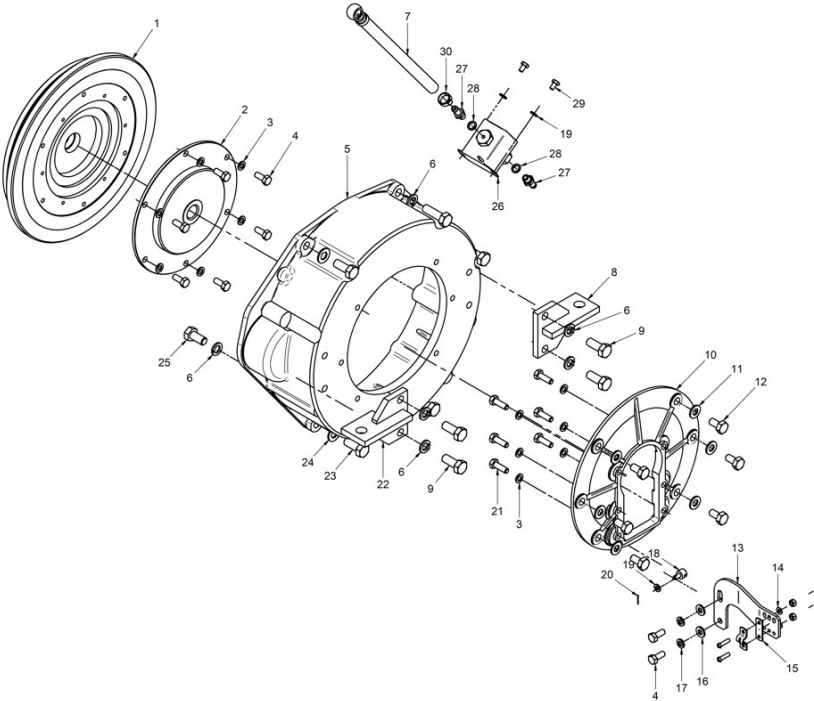


17310244 Kit GearBox TMC-260

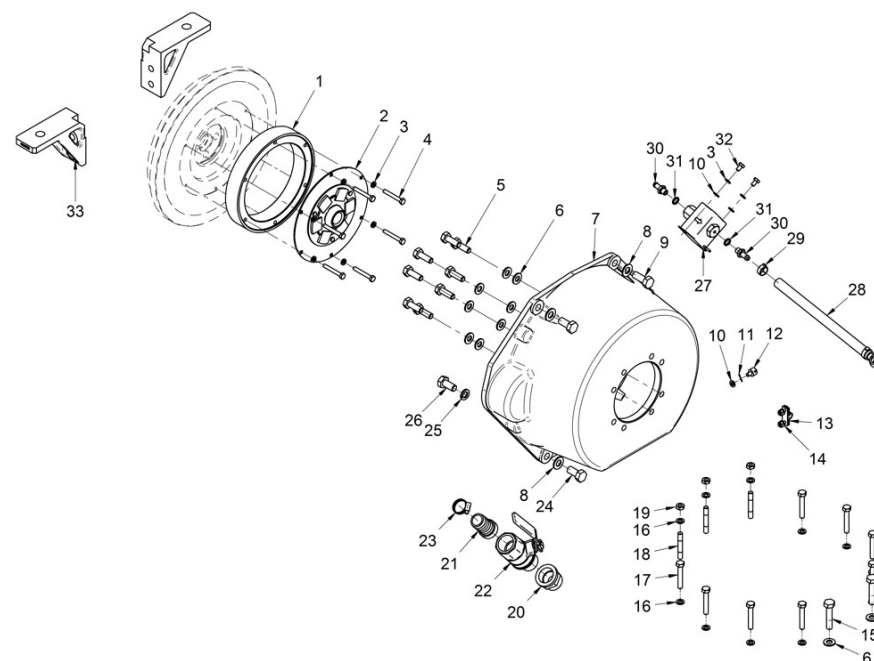
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	17322027.1MEC	1	Mechanized Flywheel			
2	17210071	1	Flexible Coupling Type B SAE 6"1/2			
3	53038008	12	Washer DIN 6798-A 8			
4	52102257	8	Bolt DIN 933 M8-20 8.8			
5	13410018	1	SAE 7,adaptor flange			
6	53033012	6	Washer Grower DIN 127-12			
7	13814012	1	Pipe			
8	17010003	1	Bracket			
9	52102359	4	Bolt DIN 933 M12-30 8.8			
10	24890021	1	SAE 7 - BW housing coupling TMC			
11	53038010	6	Washer DIN 6798-A 10			
12	52102307	6	Bolt DIN 933 M10-20 8.8			
13	24880901	1	Bracket, GearBox Control			
14	51030005	2	Washer DIN 125-5			
15	24810913	1	Clamp,CABLE			
16	51030008	2	Washer DIN 125-8			
17	53033008	2	Washer GROWER DIN 127-8			
18	14719115	1	Coupling,cable			
19	51030006	2	Washer DIN 125-6			
20	51051107	1	Pin DIN-94 1,6-16			
21	52102258	6	Bolt DIN 933 M8-25 8.8			
22	17010004	1	Bracket			
23	52202359	3	Bolt DIN 933 M12-1,25-30 8.8			
24	53038012	3	Washer DIN 6798-A 12			
25	52102358	2	Bolt DIN 933 M12-25 8.8			
26	13814070	1	Electric Fuel Feed Pump 12V			
27	13814072	2	Straight Hose Connector 1/8" NPTF			
28	57000361	2	Washer 10-14-1,5			
29	52102154	2	Bolt DIN 933 M6-10 8.8			
30	51086015	1	One Ear Clamp With Interior Ring 13-15,3			
NS	24890026	2	Cover			



17310244 Kit GearBox TMC-260					
Fig.	Ref.	Qty.	Descr.	Obs	From UpTo
NS	5103A006.1	1	Washer DIN 988-6 1MM		
NS	58088283	2	Pastic Cable Zip Tie		
NS	60900126	1	TERMINAL		

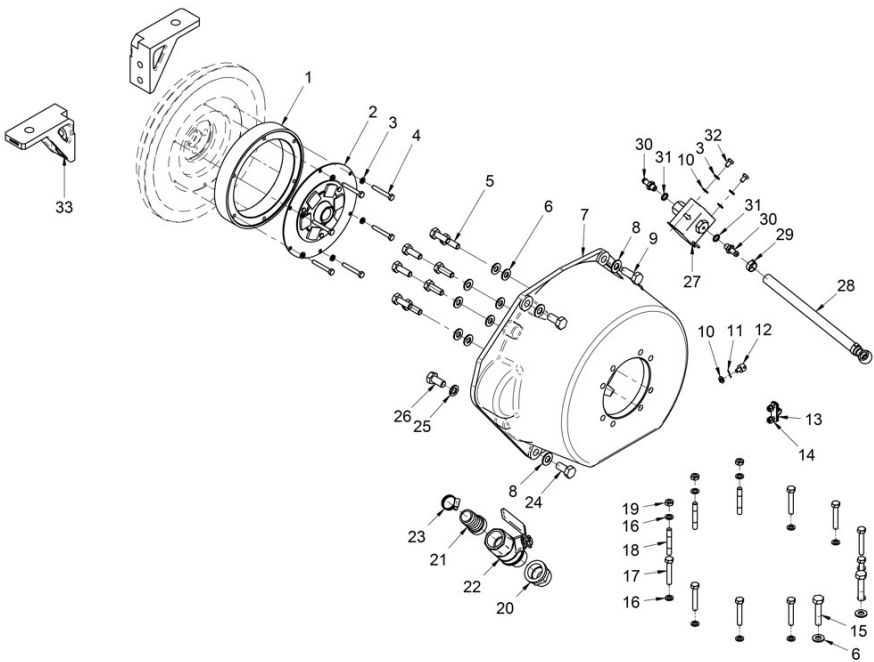


17732100T		Kit S-Drive TECHNO.SP60				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	17210044	1	Suplement,Flywheel			
2	14710070	1	Flexible coupling type A D. 185			
3	53033006	8	Washer GROWER DIN 127-6			
4	52101162	6	Bolt DIN 931 M6-45 8.8			
5	52102309	8	Bolt DIN 933 M10-30 8.8			
6	53038010	10	Washer DIN 6798-A 10			
7	17210013	1	Bell Housing			
8	53038012	4	Washer DIN 6798-A 12			
9	52202359	1	Bolt DIN 933 M12-1,25-30 8.8			
10	51030006	3	Washer DIN 125-6			
11	51051107	1	Pin DIN-94 1,6-16			
12	14719115	1	Coupling,cable			
13	24810913	1	Clamp,CABLE			
14	51030005	2	Washer DIN 125-5			
15	52101313	2	Bolt DIN 931 M10-50 8.8			
16	53038008	11	Washer DIN 6798-A 8			
17	52101263	8	Bolt DIN 931 M8-50 8.8			
18	40019030	3	Stud			
19	52120008	3	Nut DIN 934 M8 8.8			
20	17111006	1	Racord 1" M-H			
21	60371058	1	Hose Connection 1" x 27			
22	17111005	1	Water Trainer 1" M-H			
23	54082025	2	Clamp DIN 3017 25-40/12 W4			
24	52202358	2	Bolt DIN 933 M12-1,25-25 8.8			
25	53033012	3	Washer Grower DIN 127-12			
26	52102358	2	Bolt DIN 933 M12-25 8.8			
27	13814070	1	Electric Fuel Feed Pump 12V			
28	13814012	1	Pipe			
29	51086015	1	One Ear Clamp With Interior Ring 13-15,3			
30	13814072	2	Straight Hose Connector 1/8" NPTF			
31	57000361	2	Washer 10-14-1,5			

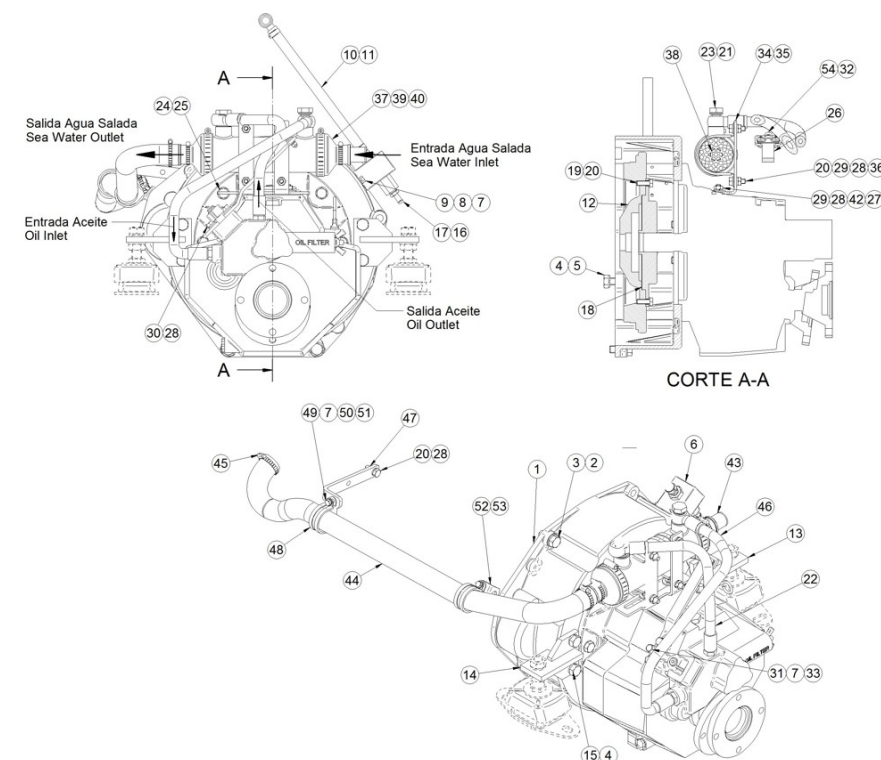


17732100T		Kit S-Drive TECHNO.SP60				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo

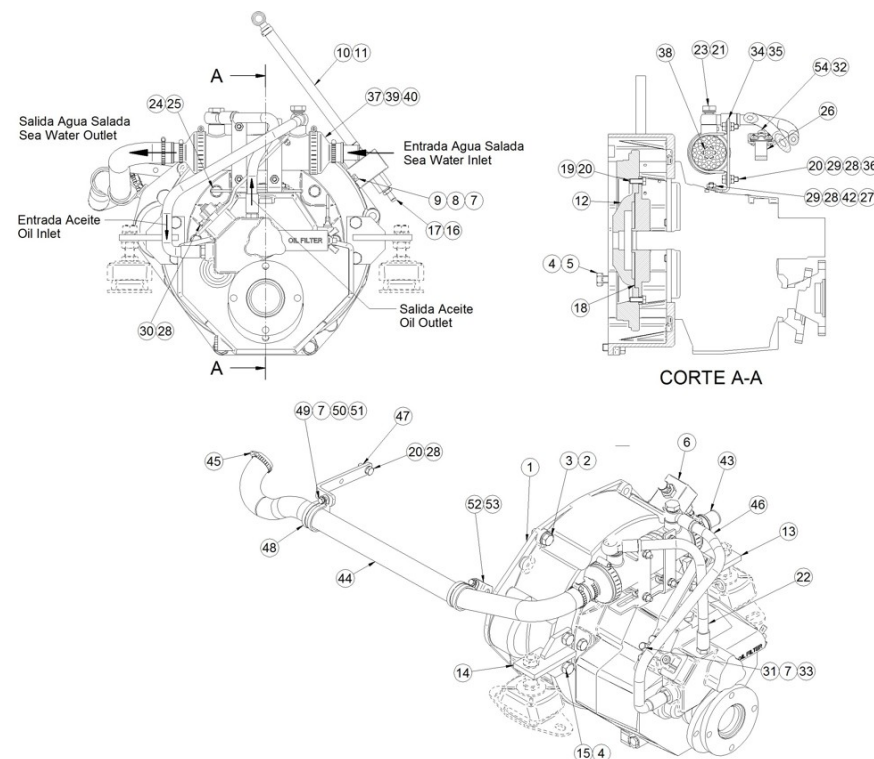
32	52102154	2	Bolt DIN 933 M6-10 8.8			
33	17210005.1	2	Front Bracket			
NS	58088282	2	Pastic Cable Zip Tie			
NS	60900126	1	TERMINAL			
NS	M87502535	2.0	Water Intake Hose (HQ) D. 25-33			



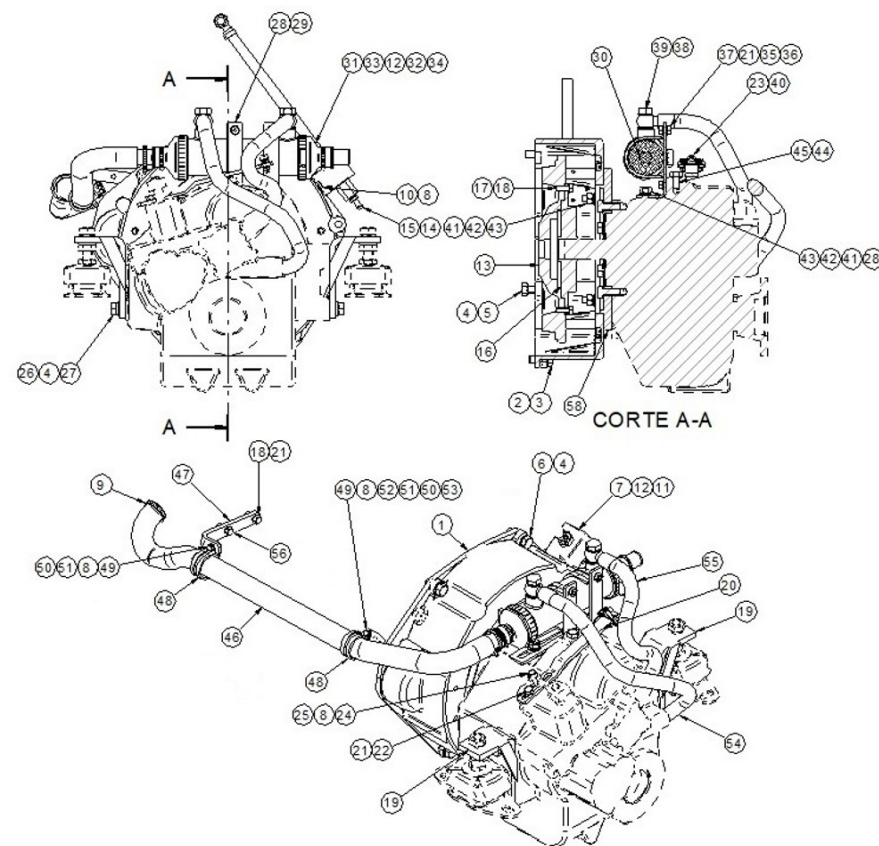
17710211V6 Kit GearBox TM-345/A					
Fig.	Ref.	Qty.	Descr.	Obs	From UpTo
1	13410018	1	SAE 7,adaptor flange		
2	53038012	4	Washer DIN 6798-A 12		
3	52202359	3	Bolt DIN 933 M12-1,25-30 8.8		
4	53033012	6	Washer Grower DIN 127-12		
5	52102358	2	Bolt DIN 933 M12-25 8.8		
6	13814070	1	Electric Fuel Feed Pump 12V		
7	51030006	7	Washer DIN 125-6		
8	53033006	2	Washer GROWER DIN 127-6		
9	52102154	2	Bolt DIN 933 M6-10 8.8		
10	13814012	1	Pipe		
11	51086015	1	One Ear Clamp With Interior Ring 13-15,3		
12	17322027.1MEC	1	Mechanized Flywheel		
13	17010003	1	Bracket		
14	17010004	1	Bracket		
15	52102359	4	Bolt DIN 933 M12-30 8.8		
16	57000361	2	Washer 10-14-1,5		
17	13814072	2	Straight Hose Connector 1/8" NPTF		
18	17210071	1	Flexible Coupling Type B SAE 6"1/2		
19	53038008	6	Washer DIN 6798-A 8		
20	52102257	11	Bolt DIN 933 M8-20 8.8		
21	59031017	4	Washer		
22	17012024	1	Pipe		
23	14712015	2	Bolt,Coupling pipe oil		
24	53038010	5	Washer DIN 6798-A 10		
25	52102307	5	Bolt DIN 933 M10-20 8.8		
26	18619020	1	Bracket,Gear box control		
27	12120018	2	Stud		
28	53033008	9	Washer GROWER DIN 127-8		
29	52120008	6	Nut DIN 934 M8 8.8		
30	52102256	2	Bolt DIN 933 M8-16 8.8		
31	14719115	1	Coupling,cable		



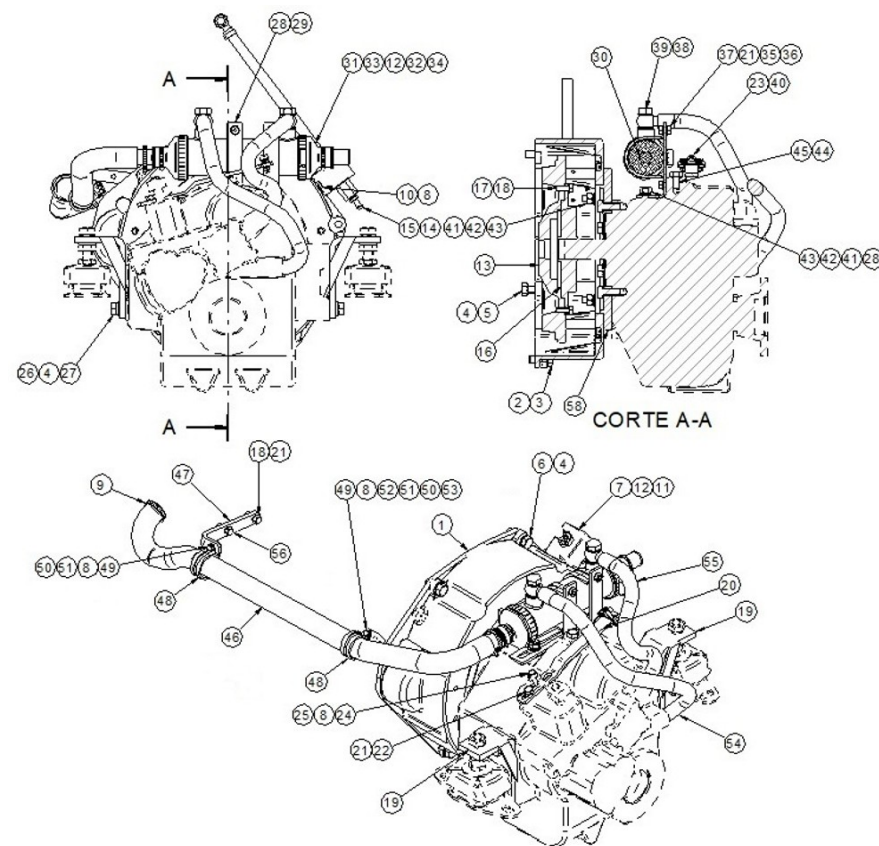
17710211V6 Kit GearBox TM-345/A					
Fig.	Ref.	Qty.	Descr.	Obs	From UpTo
32	51030005	2	Washer DIN 125-5		
33	51051107	1	Pin DIN-94 1,6-16		
34	18012041	1	Bracket,TM93/170 oil cooler		
35	59072604	2	Clamp		
36	51030008	6	Washer DIN 125-8		
37	15212007	2	Water Cooler Cover		
38	1A012051	1	Cooler,oil		
39	54082050	2	Clamp DIN 3017 50-70/12 W4		
40	54081020	2	Clamp DIN 3017 20-32/9 W4		
42	51031008	2	Washer DIN 9021 8		
43	17711004	2	Outlet Coupling		
44	M87502535	1	Water Intake Hose (HQ) D. 25-33		
45	54081023	2	Clamp DIN 3017 23-35/9 W4		
46	17512017	1	Pipe, rev.oil Cooler		
47	17711007	1	Hose Support		
48	51071373	2	Clamp 31-40/15 W1		
49	52102157	2	Bolt DIN 933 M6-20 8.8		
51	52120006	2	Nut DIN 934 M6 8.8		
52	17711008	1	Hose Support 90°		
54	24810913	1	Clamp,CABLE		
NS	51031006	2	Washer DIN 9021 6		
NS	60900126	1	TERMINAL		



17710200		Kit GearBox TM-93			
Fig.	Ref.	Qty.	Descr.	Obs	From UpTo
1	13410018	1	SAE 7,adaptor flange		
2	53038012	3	Washer DIN 6798-A 12		
3	52202359	3	Bolt DIN 933 M12-1,25-30 8.8		
4	53033012	7	Washer Grower DIN 127-12		
5	52102358	2	Bolt DIN 933 M12-25 8.8		
6	52202361	1	Bolt DIN 933 M12-1,25-40 8.8		
7	13814070	1	Electric Fuel Feed Pump 12V		
8	51030006	5	Washer DIN 125-6		
9	54081023	2	Clamp DIN 3017 23-35/9 W4		
10	52102154	2	Bolt DIN 933 M6-10 8.8		
11	13814012	1	Pipe		
12	51086015	1	One Ear Clamp With Interior Ring 13-15,3		
13	17322027.1	1	Flywheel		
14	57000361	2	Washer 10-14-1,5		
15	13814072	2	Straight Hose Connector 1/8" NPTF		
16	17210071	1	Flexible Coupling Type B SAE 6"1/2		
17	53038008	6	Washer DIN 6798-A 8		
18	52102257	7	Bolt DIN 933 M8-20 8.8		
19	17310001	2	Bracket Rear		
19	17310001.1	2	Bracket Rear		
20	18619020	1	Bracket,Gear box control		
21	53033008	6	Washer GROWER DIN 127-8		
22	52102258	1	Bolt DIN 933 M8-25 8.8		
23	24810913	1	Clamp,CABLE		
24	14719115	1	Coupling,cable		
25	51051107	1	Pin DIN-94 1,6-16		
26	51030012	4	Washer DIN 125-12		
27	52102359	4	Bolt DIN 933 M12-30 8.8		
28	13912041	1	Bracket,TM Oil Cooler		
29	59072604	2	Clamp		
30	1A012051	1	Cooler,oil		

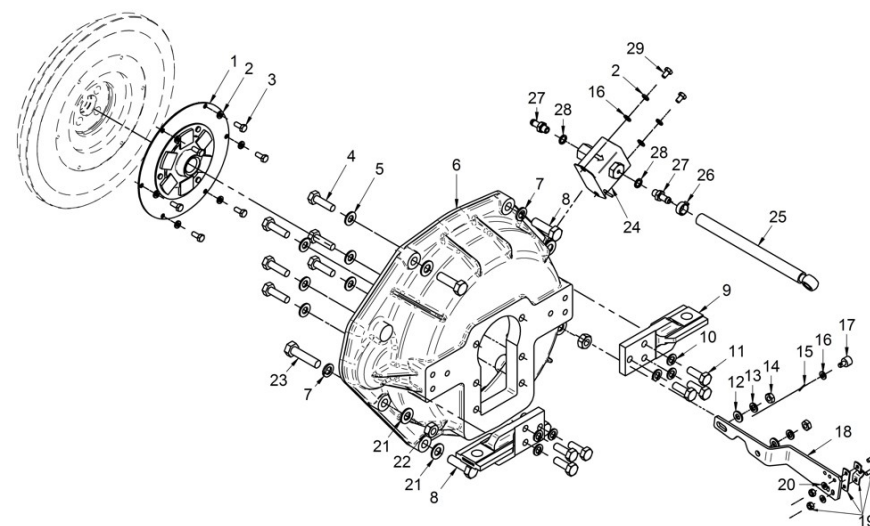


17710200		Kit GearBox TM-93				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
31	15212007	2	Water Cooler Cover			
32	17711004	2	Outlet Coupling			
33	54082050	2	Clamp DIN 3017 50-70/12 W4			
34	54081020	2	Clamp DIN 3017 20-32/9 W4			
35	51030008	4	Washer DIN 125-8			
36	52102256	4	Bolt DIN 933 M8-16 8.8			
37	52120008	4	Nut DIN 934 M8 8.8			
38	59031017	4	Washer			
39	14712015	2	Bolt,Coupling pipe oil			
40	51030005	2	Washer DIN 125-5			
41	51030010	8	Washer DIN 125-10			
42	53033010	8	Washer GROWER DIN 127-10			
43	52120010	8	Nut DIN 934 M10 8.8			
44	56000061	1	Washer 10-16-1,5			
45	52102307	1	Bolt DIN 933 M10-20 8.8			
46	M87502535	1.0	Water Intake Hose (HQ) D. 25-33			
47	17711007	1	Hose Support			
48	51071373	2	Clamp 31-40/15 W1			
49	52102157	2	Bolt DIN 933 M6-20 8.8			
50	53033006	2	Washer GROWER DIN 127-6			
51	52120006	2	Nut DIN 934 M6 8.8			
52	17711008	1	Hose Support 90°			
53	51031006	1	Washer DIN 9021 6			
54	17112024	1	Pipe, rev.oil Cooler			
55	17112017	1	Pipe, rev.oil Cooler			
56	52101268	1	Bolt DIN 931 M8-75 8.8			
58	24870021	1	SAE 7 - BW housing TM-93/170/485/545/880A (H=13,5 mm			
NS	58088283	2	Pastic Cable Zip Tie			
NS	60900126	1	TERMINAL			

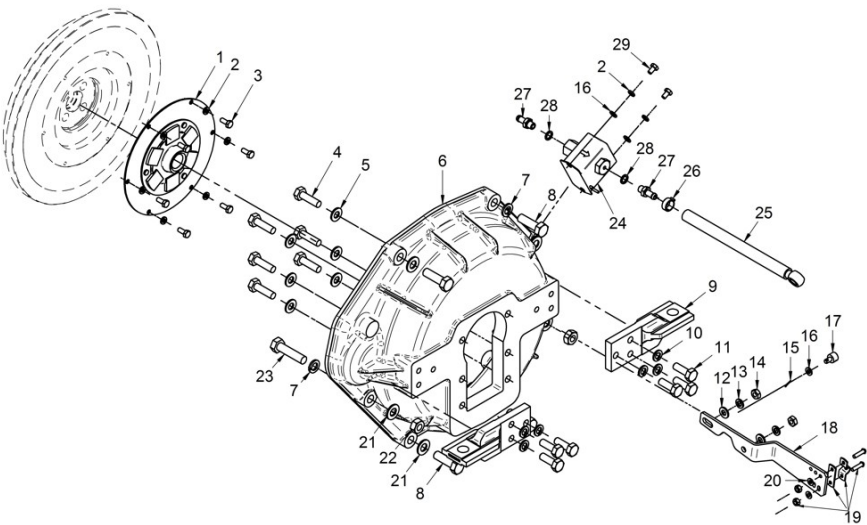


17710230 Kit GearBox HURTH-150A, ZF 15M IV

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	14710070	1	Flexible coupling type A D. 185			
2	53033006	8	Washer GROWER DIN 127-6			
3	52102156	6	Bolt DIN 933 M6-16 8.8			
4	52101310	6	Bolt DIN 931 M10-35 8.8			
5	53038010	6	Washer DIN 6798-A 10			
6	17210012	1	Bell Housing,REV.HURTH 150V			
7	53033012	2	Washer Grower DIN 127-12			
8	52202361	3	Bolt DIN 933 M12-1,25-40 8.8			
9	17210026	2	Rear Bracket			
10	53033010	6	Washer GROWER DIN 127-10			
11	52102309	6	Bolt DIN 933 M10-30 8.8			
12	51030008	2	Washer DIN 125-8			
13	53033008	2	Washer GROWER DIN 127-8			
14	52120008	2	Nut DIN 934 M8 8.8			
15	51051107	1	Pin DIN-94 1,6-16			
16	51030006	6	Washer DIN 125-6			
17	14719115	1	Coupling,cable			
18	24610901	1	Bracket, GearBox Control			
19	24810913	1	Clamp,CABLE			
20	51030005	2	Washer DIN 125-5			
21	53038012	5	Washer DIN 6798-A 12			
22	52120012	2	Nut DIN 934 M12 8.8			
23	52101363	2	Bolt DIN 931 M12-50 8.8			
24	13814070	1	Electric Fuel Feed Pump 12V			
25	17714002	1	Pipe, Pump TO Filter			
26	51086015	1	One Ear Clamp With Interior Ring 13-15,3			
27	13814072	2	Straight Hose Connector 1/8" NPTF			
28	57000361	2	Washer 10-14-1,5			
29	52102154	2	Bolt DIN 933 M6-10 8.8			
NS	58088282	2	Pastic Cable Zip Tie			
NS	58088283	2	Pastic Cable Zip Tie			



17710230 Kit GearBox HURTH-150A, ZF 15M IV					
Fig.	Ref.	Qty.	Descr.	Obs	From UpTo
NS	58088284	1	Pastic Cable Zip Tie		
NS	60900126	1	TERMINAL		



17710243 Kit GearBox TTMC35A2

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	14710070	1	Flexible coupling type A D. 185			
2	53033006	6	Washer GROWER DIN 127-6			
3	52102156	6	Bolt DIN 933 M6-16 8.8			
4	52101260	6	Bolt DIN 931 M8-35 8.8			
5	53038008	6	Washer DIN 6798-A 8			
6	17210009	1	Bell Housing,GearBox			
7	53033012	3	Washer Grower DIN 127-12			
8	52202361	4	Bolt DIN 933 M12-1,25-40 8.8			
9	17210026	2	Rear Bracket			
10	53033010	6	Washer GROWER DIN 127-10			
11	52102309	6	Bolt DIN 933 M10-30 8.8			
12	53038012	6	Washer DIN 6798-A 12			
13	52101363	2	Bolt DIN 931 M12-50 8.8			
14	52120012	2	Nut DIN 934 M12 8.8			
15	13814070	1	Electric Fuel Feed Pump 12V			
16	13814072	2	Straight Hose Connector 1/8" NPTF			
17	57000361	2	Washer 10-14-1,5			
18	52102154	2	Bolt DIN 933 M6-10 8.8			
19	51030006	2	Washer DIN 125-6			
20	51086015	1	One Ear Clamp With Interior Ring 13-15,3			
21	17714002	1	Pipe, Pump TO Filter			
NS	58088282	2	Pastic Cable Zip Tie			
NS	58088283	2	Pastic Cable Zip Tie			
NS	58088284	1	Pastic Cable Zip Tie			
NS	60900126	1	TERMINAL			

