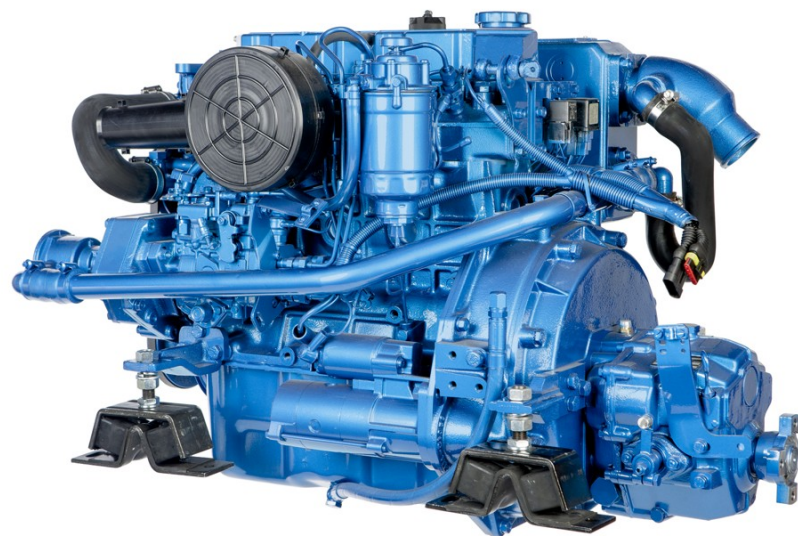
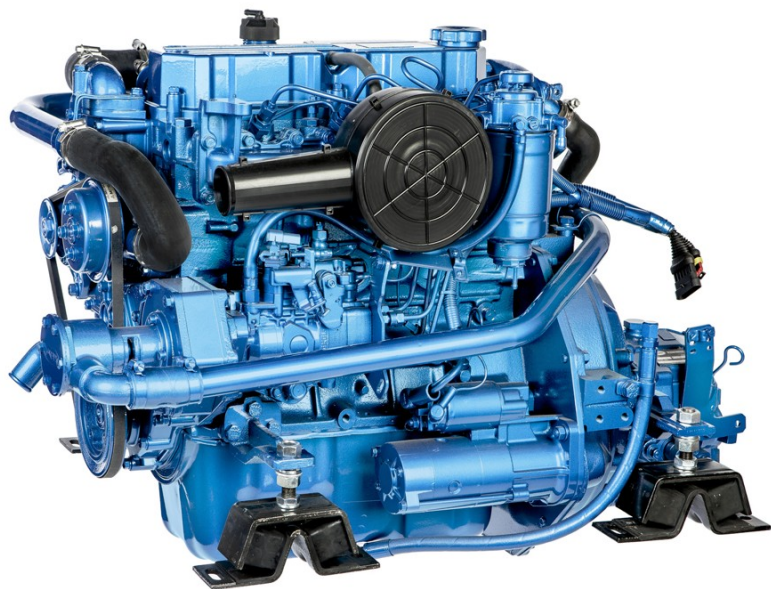




Engine MINI-62

VERSION 2024-3

PART LIST



PARTS LIST CATALOGUE

NORMS TO PLACE AN ORDER

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

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

Spare parts requests must be addressed to :

orders@solediesel.com

Telf.: +34 93 775 44 05

The components shown in the catalog have:

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

Hoses, indicates the total length in meters

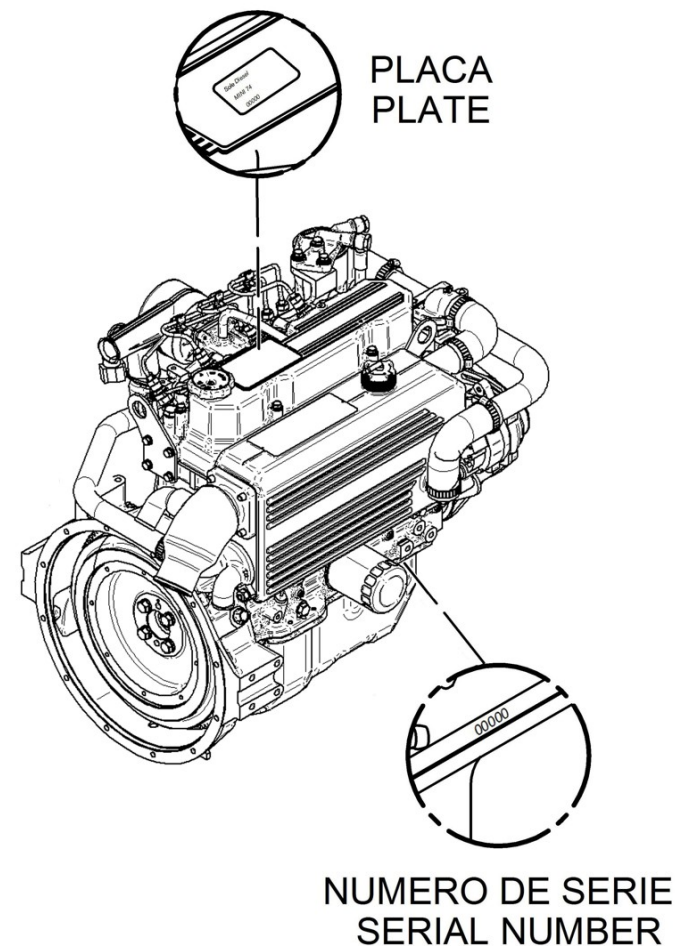
The diagrams shown in this catalog of spare parts, have only the purpose to identify the piece in question, its representation is not meaningful and may differ from the actual piece.

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

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

SOLE, S.A.

C-243b, km, 2 - P.O. BOX 25
08760 Martorell (Barcelona) Spain





Engine Body

Inlet & Exhaust

Cooling System

Fuel System

12V Electrical System

Maintenance Kit

Gearbox TMC-60A

Gearbox TMC-260

TM-345 Gearbox

TM-345A Gearbox

Gearbox TM-93

Gearbox TM-93A

SP60 S.Drive

Maintenance Kit

GearBox ZF-15 MIV

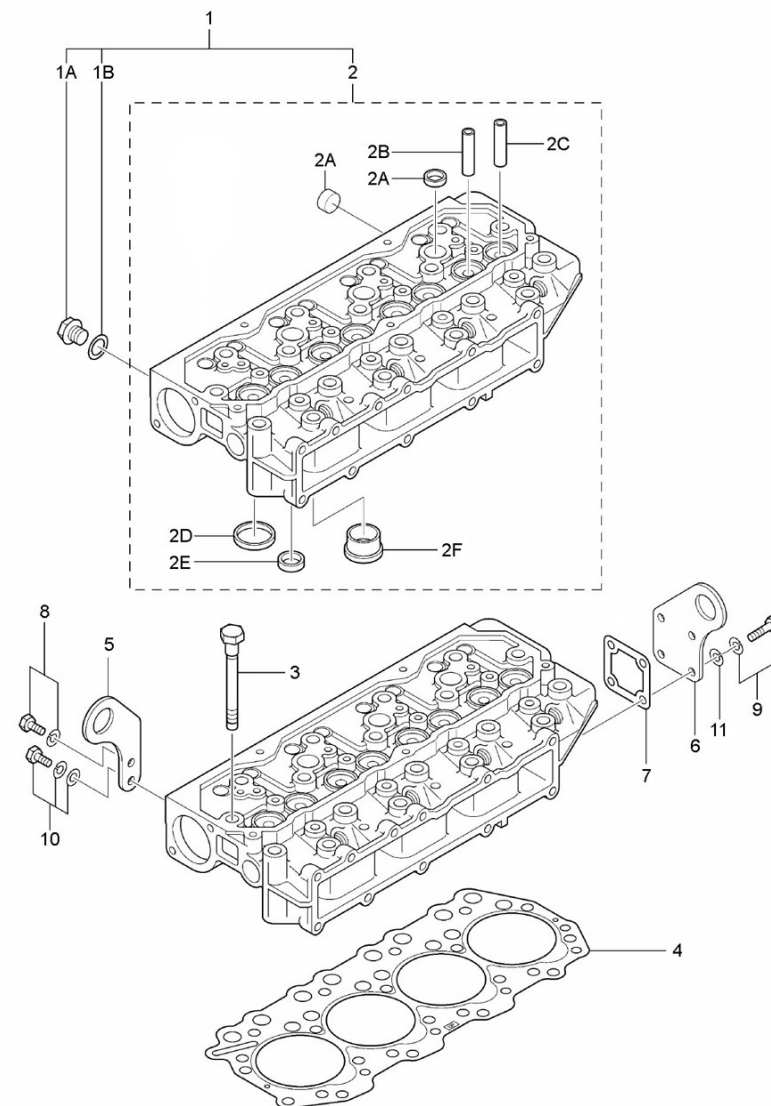
Sheet 1/2

Sheet 2/2

Kit Gearbox

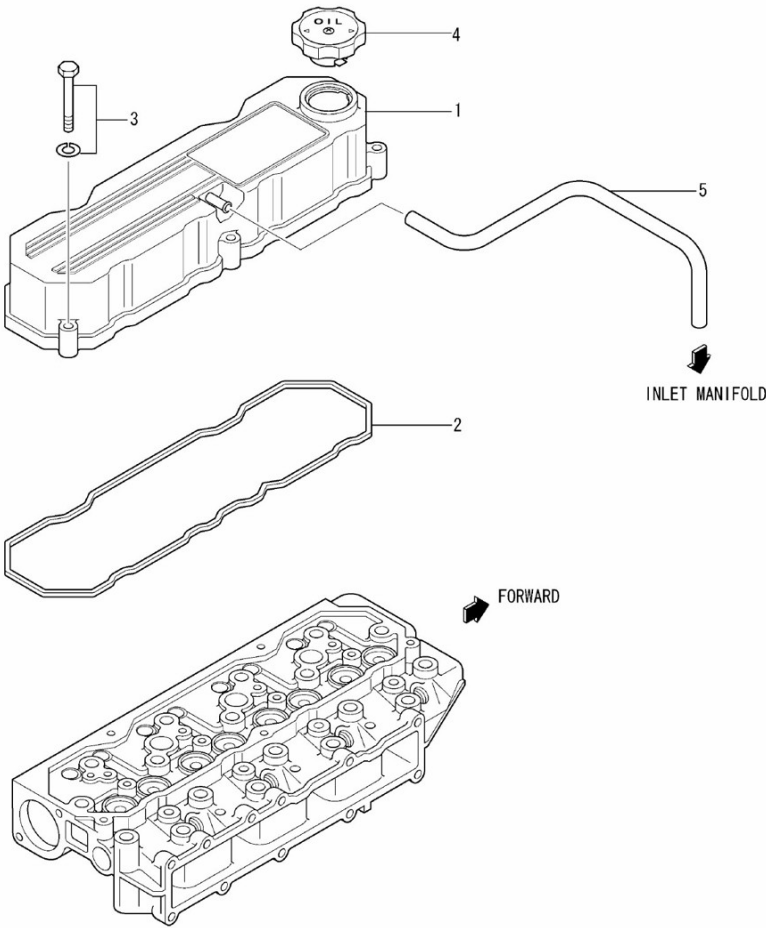
- Kit GearBox TMC-60
- Kit GearBox TMC-260
- Kit GearBox TM-345/A
- Kit GearBox TM-93/A
- Kit S-Drive TECHNO.SP60
- Kit GearBox HURTH-150V

D_MI62_1_1		Cylinder Head				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	17121001	1	Head, Assy CYL.			
1A	17121016	1	Plug, drain			
1B	17121013	1	Gasket			
2	(*)	1	Not available			
2A	13220012	7	Cap Sealing			
2B	17421002	4	Guide,Valve			
2C	17121003	4	Guide, valve-Exhaust			
2D	17121061	4	INSERT, in			
2E	17121062	4	INSERT, exh.			
2F	17121015	4	JET,COMBUSTION			
3	17121005	18	Bolt,cylinder head			
4	17121004	1	Gasket, cyl.head			
5	17120014	1	EYE,LIFTING,Front			
6	17121018	1	EYE, lifting re			
7	17121011	1	Gasket, head			
8	13820043	1	Bolt,W/Washer			
9	17121012	4	Bolt, w/washer			
10	17121017.1	1	Bolt,W/Washer			
11	51030008	1	Washer DIN 125-8			

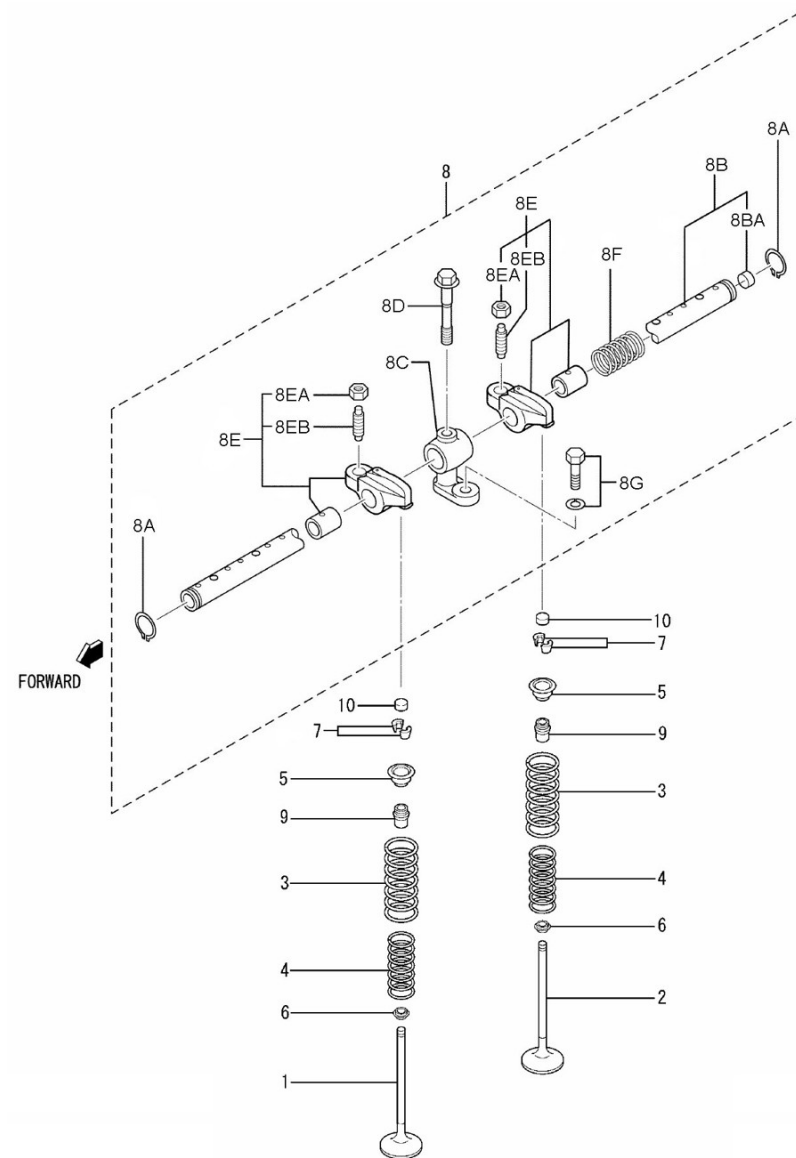


D_MI62_1_2		Rocker Cover & Breather				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo

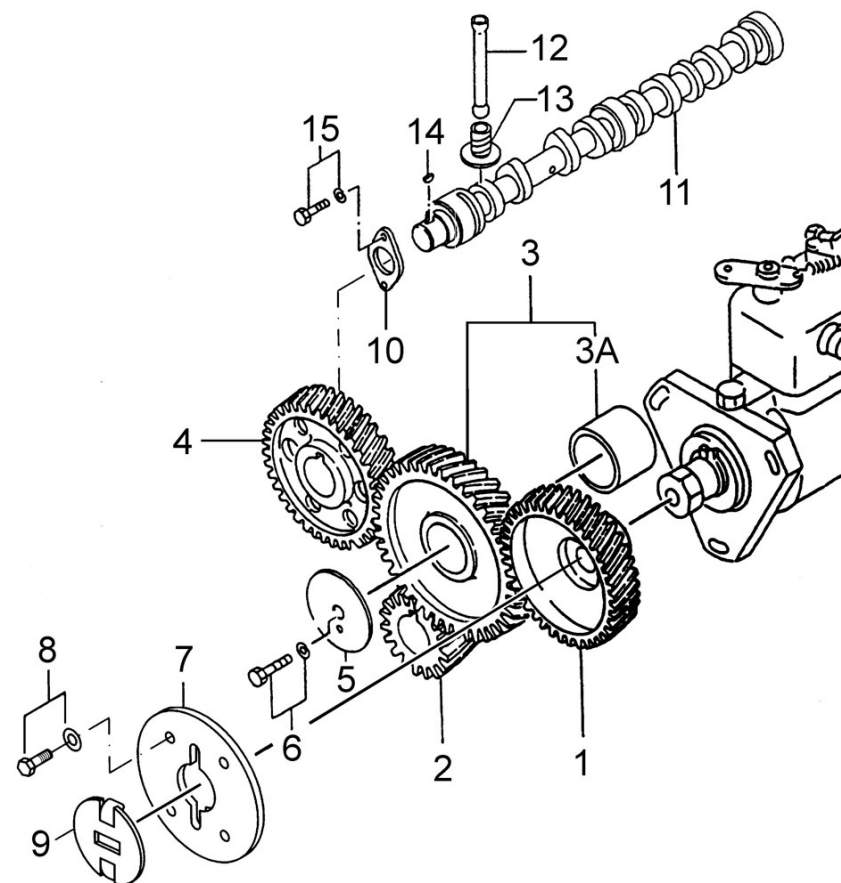
1	17121009	1	Cover Assy,Rocker			
2	17121010	1	Rocker Cover Gasket			
3	17121014	5	Bolt, w/washer			
4	13221003	1	Cap Oil FILLER			
5	17121006	1	Hose BREATHER			



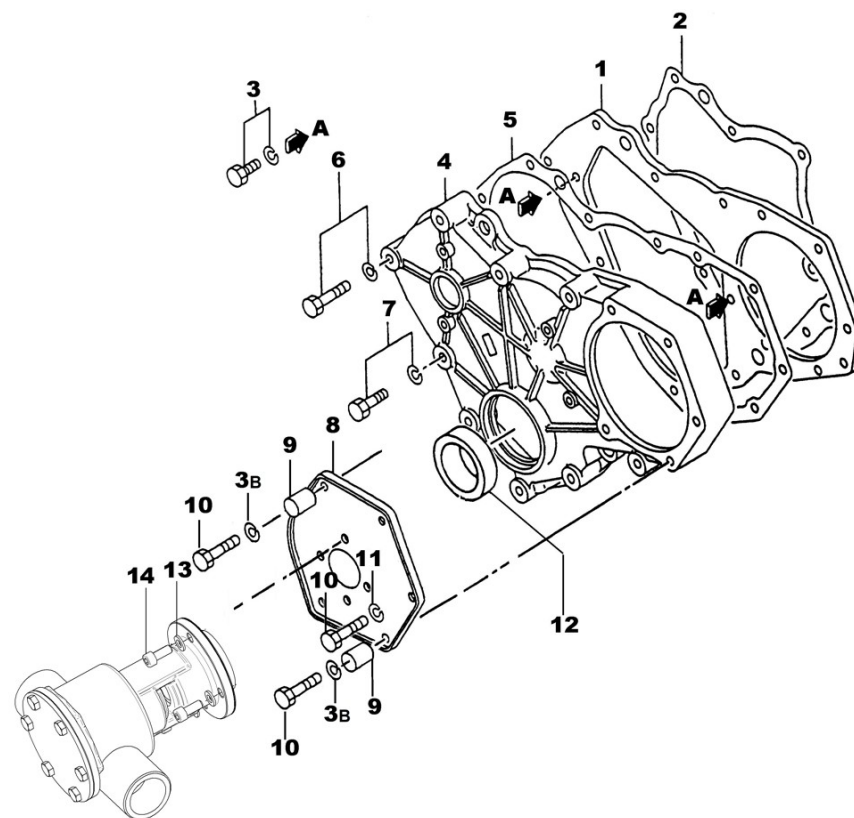
D_MI62_1_3		Valve Drive			
Fig.	Ref.	Qty.	Descr.	Obs	From UpTo
1	17122055	4	Intake Valve		
2	17122056	4	Exhaust Valve		
3	13322028	8	Spring, valve outler		
4	17122057	8	Spring, valve, inner		
5	17122058	8	Retainer, Upper		
6	17122063	8	Retainer, lower		
7	17122059.1	16	Cotter, Valve		
8	17122146	1	Rocker & Shaft Assy		
8A	17222050	2	Ring, SNAP		
8B	17122046	1	Shaft, Assy rocker		
8BA	13322023	2	Cap, Sealing		
8C	17122048	4	Bracket, rocker		
8D	17222053.5G	4	Bolt		
8E	17122142	8	Rocker, Assy		
8EA	17122060	8	Nut		
8EB	17122044	8	Screw Adjusting		
8F	17422047G.1	3	Spring, Rocker		
8G	17122051	4	Bolt, w/washer		
9	17122054	8	Seal, Valve Stem		
10	13322024	8	Cap		



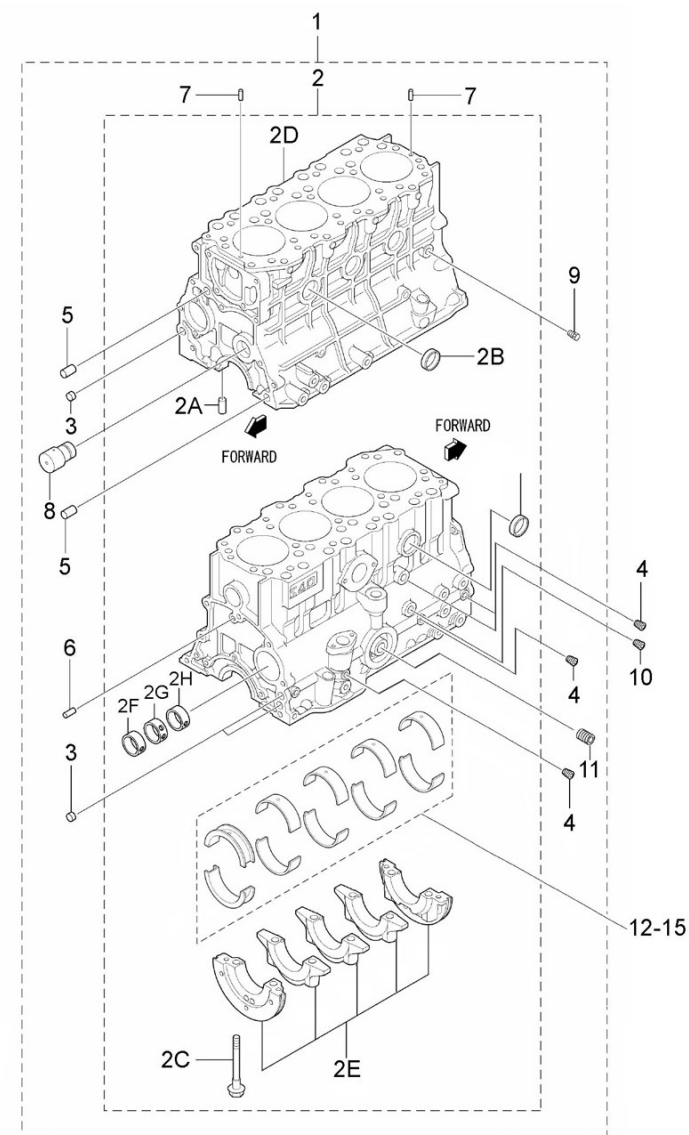
D_MI62_1_4		Timing Parts				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	17122040.1	1	Gear,INJ.Pump			
2	17122019.1	1	Gear,CrankShaft			
3	17122038	1	Gear, Assy idler			
3A	17122039	1	Bushing, idler			
4	17122037	1	Gear, camShaft			
5	17122032	1	Plate, thrust			
6	13322079	1	Bolt			
7	17110011	1	Coupling,drive			
8A	52102257	4	Bolt DIN 933 M8-20 8.8			
8B	53033008	4	Washer GROWER DIN 127-8			
9	15310072	1	CrossHead Jaw Coupling			
10	17422075	1	Plate,THRUST			
11	17122035.1	1	CamShaft			
12	17122041	8	Rod, push			
13	17122061	8	Tappet			
14	13322034	1	Key Woodruff			
15A	52102256	2	Bolt DIN 933 M8-16 8.8			



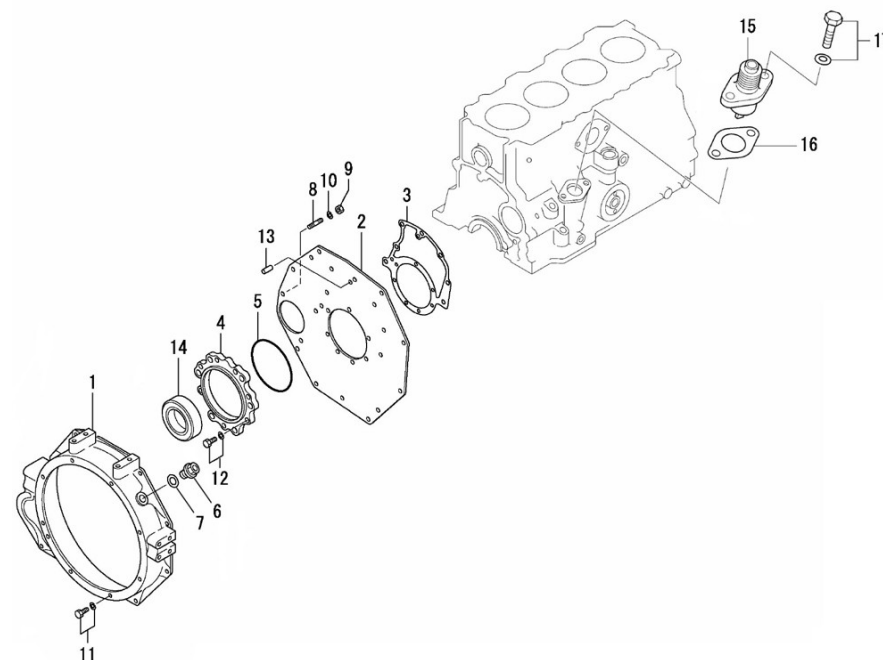
D_MI62_1_5		Gear Case			
Fig.	Ref.	Qty.	Descr.	Obs	From UpTo
1	17120024	1	Plate, front		
2	17120018	1	Gasket, front plate		
3A	52102256	2	Bolt DIN 933 M8-16 8.8		
3B	53033008	4	Washer GROWER DIN 127-8		
4	17120035.1	1	Case Gear		
5	17120040	1	Gasket, timing Gear		
6	17121014	1	Bolt, w/washer		
7	17120043	9	Bolt, w/washer		
8	17110010	1	Block,water pump		
9	17110012	2	Knock		
10	52101266	5	Bolt DIN 931 M8-65 8.8		
11	51030008	3	Washer DIN 125-8		
12	17120039	1	Seal, oil		
13	51030006	4	Washer DIN 125-6		
14	52103156	4	Bolt DIN 912 M6-16 8.8		



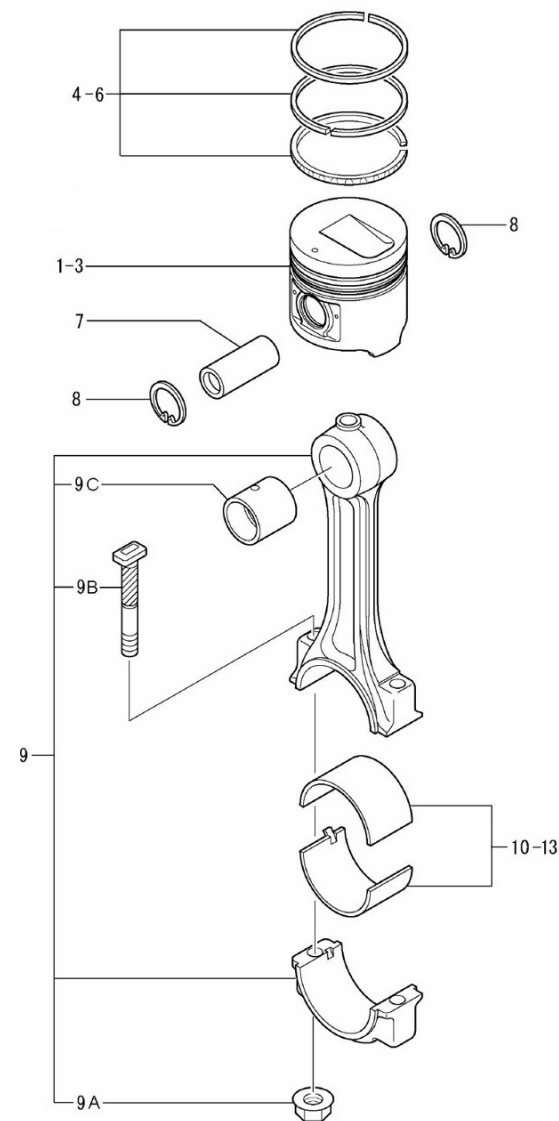
D_MI62_1_6		Crankcase			
Fig.	Ref.	Qty.	Descr.	Obs	From UpTo
1	17120001.1	1	CRANKCase		
2	(*)	3	Not available		
2B	13320006	6	Cap, Sealing		
2C	17120009	10	Bolt Bearing Cap		
2F	17120011.1	1	Bushing,CamShaft		
2G	17120013.1	1	Bushing,CamShaft		
2H	17120015.1	1	Bushing,CamShaft		
3	17120012	3	Cap, SealING		
4	17820011	5	Plug, Tapered		
5	17420036	2	Pin,Dowel		
6	17120026	6	Pin, dowel		
7	17120019	2	Pin, dowel		
8	17120034	1	Shaft, idler		
9	17120022	1	Plug, tapered		
10	17120021	2	Plug,taper		
11	17124047	1	Shaft,oil filter		
12	17120003	1	Crankshaft Bearing Set		
13	17120004	1	METAL, main set -0.25		
14	17120005	1	METAL, main set -0.50		
15	17120006	1	METAL, main set -0.75		



D_MI62_1_7		Flywheel Housing				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	17120002	1	Flywheel Housing			
2	17120017	1	Plate, rear			
3	17120025	1	Gasket, rear			
4	17120050	1	Case, rear oil seal			
5	17120053	1	O-Ring D. 120X2			
6	17121016	1	Plug, drain			
7	17121013	1	Gasket			
8	17120044	2	Stud			
9	13127002	2	Nut			
10	53033010	2	Washer GROWER DIN 127-10			
11	17120062	15	Bolt, w/washer			
12	17120062G	7	Bolt, w/washer			
13	13220026	2	Pin KNOCK (10X12)			
14	13320063	1	Seal Oil			
15	13320042	1	Flange			
16	17120041	1	Gasket			
17	17121012	2	Bolt, w/washer			

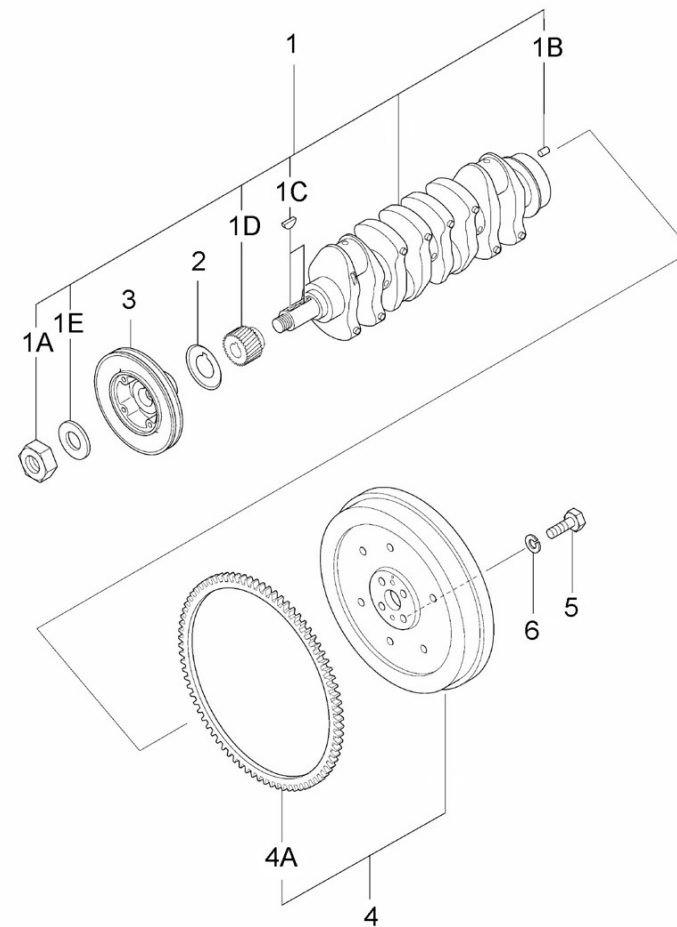


D_MI62_1_8		Piston & Connectiong Rod				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	17122001.1	4	Piston STD.(UP TO Engine N°11542)			
2	17122002.1	4	Piston +0.25			
3	17122003.1	4	Piston +0.50			
4	17122006.1	1	Ring, Set Piston STD.			
5	17122007.1	1	Ring, Set Piston +0.25			
6	17122008.1	1	Ring, Set Piston +0.50			
7	17122009	4	Pin, piston			
8	17122010	8	Ring, snap			
9	17122012	4	ROD, Assy connecting			
9A	17122011	8	Nut,connecting rod			
9B	17122013	8	Bolt,connecting rod			
9C	17122033	4	Bushing, con-rod			
10	17422014	1	Bearing Set,Con-Rod,STD.			
11	17422015	0	Bearing Set,Con-Rod,U.S -0,25	#		
12	17822016	0	Bearing Set, Con-Rod, U.S 0,50	#		
13	17822017	0	Bearing Set, Con-Rod, U.S 0,75	#		



D_MI62_1_9 Crankshaft & Flywheel

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	17122018.1	1	CrankShaft Assy			
1A	17122026	1	Nut, jam			
1B	13322059	2	Pin			
1C	13322034	2	Key Woodruff			
1D	17122019.1	1	Gear,CrankShaft			
1E	17122023	1	Washer			
2	17122025	1	Plate			
3	17122022	1	Pulley, Crankshaft			
4	17122027.1	1	Flywheel Assy			
4A	17122029	1	Gear, ring			
5	13322065	4	Bolt			
6	53033012	4	Washer Grower DIN 127-12			

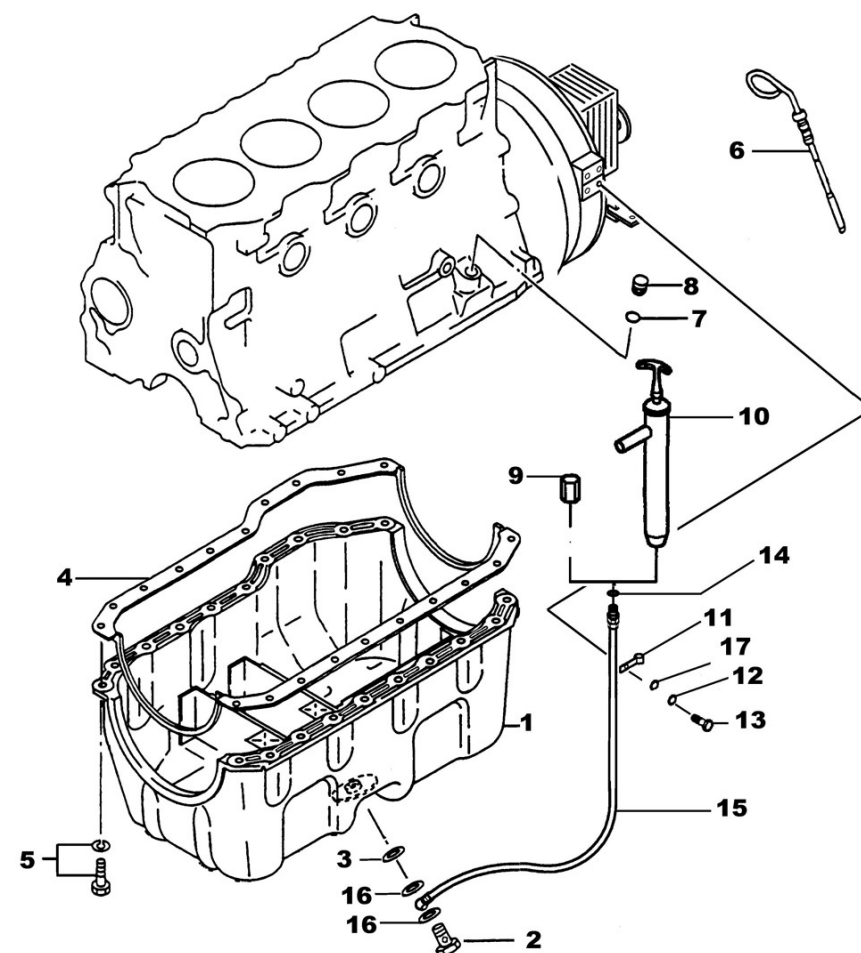


This exploded view diagram illustrates the assembly of a vehicle chassis. The components are numbered as follows:

- 1**: A large rectangular frame or chassis section.
- 2**: A vertical component, possibly a shock absorber or suspension arm, mounted to the frame.
- 2A**: A sub-component of 2, likely a mounting bracket or bush.
- 3**: A small circular component, possibly a bush or washer.
- 4**: A larger circular component, possibly a bush or washer.
- 5**: A small rectangular component, possibly a bracket or plate.
- 6**: A small circular component, possibly a bush or washer.
- 7**: A small rectangular component, possibly a bracket or plate.
- 8**: A small rectangular component, possibly a bracket or plate.
- 9**: A small circular component, possibly a bush or washer.
- 10**: A small rectangular component, possibly a bracket or plate.
- 11**: A cylindrical component, possibly a shock absorber or suspension arm.
- 12**: A small rectangular component, possibly a bracket or plate.
- 13**: A small rectangular component, possibly a bracket or plate.
- 13A**: A small rectangular component, possibly a bracket or plate.
- 14**: A small rectangular component, possibly a bracket or plate.

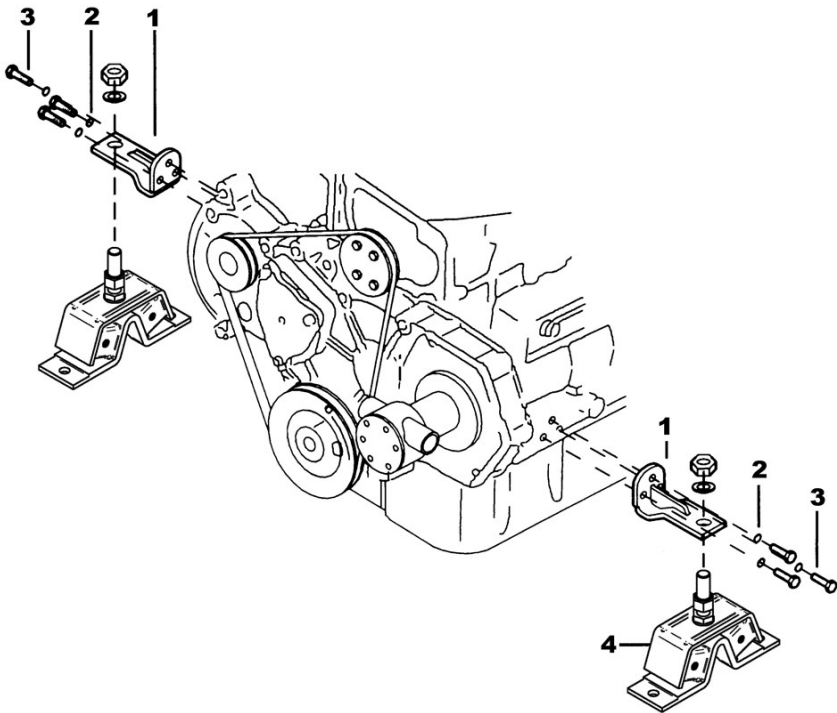
The diagram shows the assembly sequence, with components 1 through 14 being installed onto the main chassis (1). The components are shown in their relative positions and orientations, indicating the correct assembly order.

D_MI62_1_11		Oil Pan				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	17120030	1	PAN, Assy oil			
2	12814051	1	Screw,eye			
3	17420031	1	Gasket,Oil DRAIN			02/07/2017
4	17120033	1	Gasket,oil pan			
5A	52102256	20	Bolt DIN 933 M8-16 8.8			
5B	53033008	20	Washer GROWER DIN 127-8			
6	17120029	1	Gauge Oil LEVEL			
7	17120058	1	O-Ring D. 13X2,5			
8	17120059	1	Plug			
9	16514020	1	Plug			
10	14714001	1	Oil Extraction Pump			
11	17114023	1	Bracket,pipe			
12	53033010	1	Washer GROWER DIN 127-10			
13	52202307	1	Bolt DIN 933 M10-1,25-20 8.8			
14	56000067	1	Washer 13-20-1,5			
15	17114021	1	Extraction Hose			
16	56000069	2	Washer 14-20-1,5			
17	51030010	1	Washer DIN 125-10			



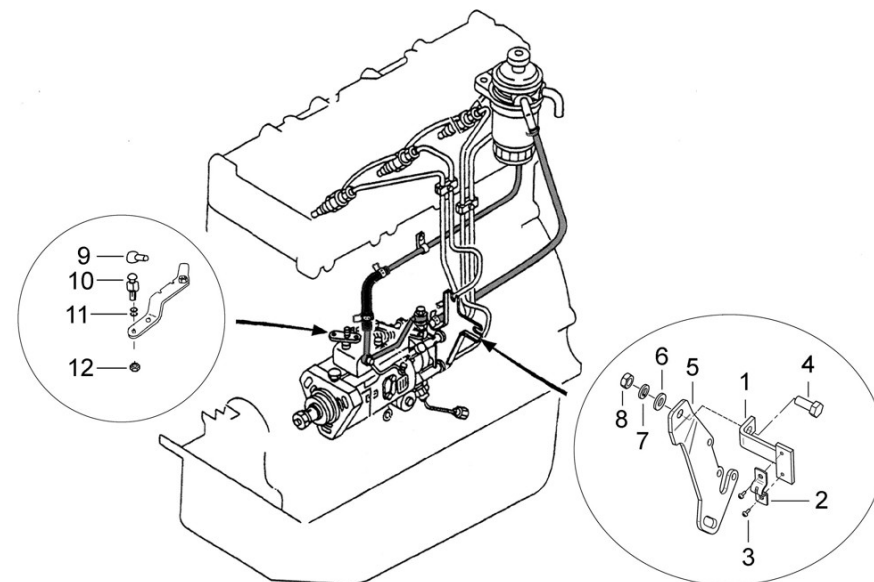
D_MI62_1_12		Engine Brackets				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo

1	17110002	2	Bracket,front			
2	53033010	6	Washer GROWER DIN 127-10			
3	52202308	6	Screw DIN 961 8.8 M-10/1,25X25			
4	61682000.1	4	Engine Mount Type E 70 SHA M16 H 147			

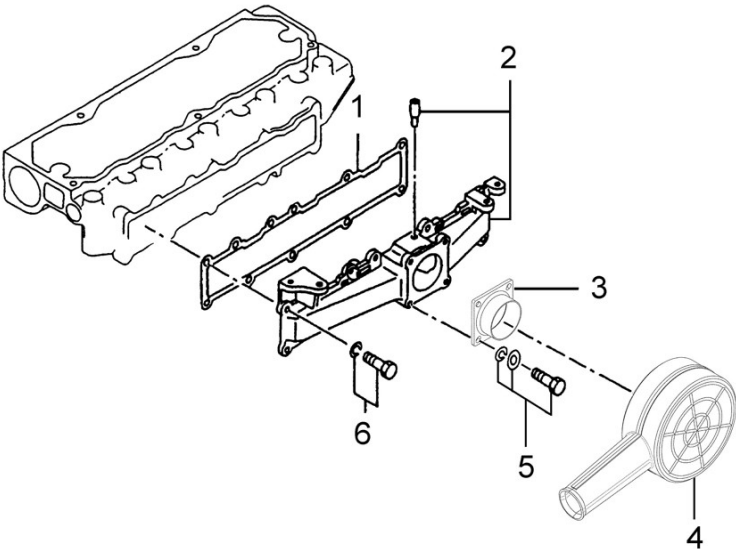


D_MI62_1_13 Bracket, Engine Control

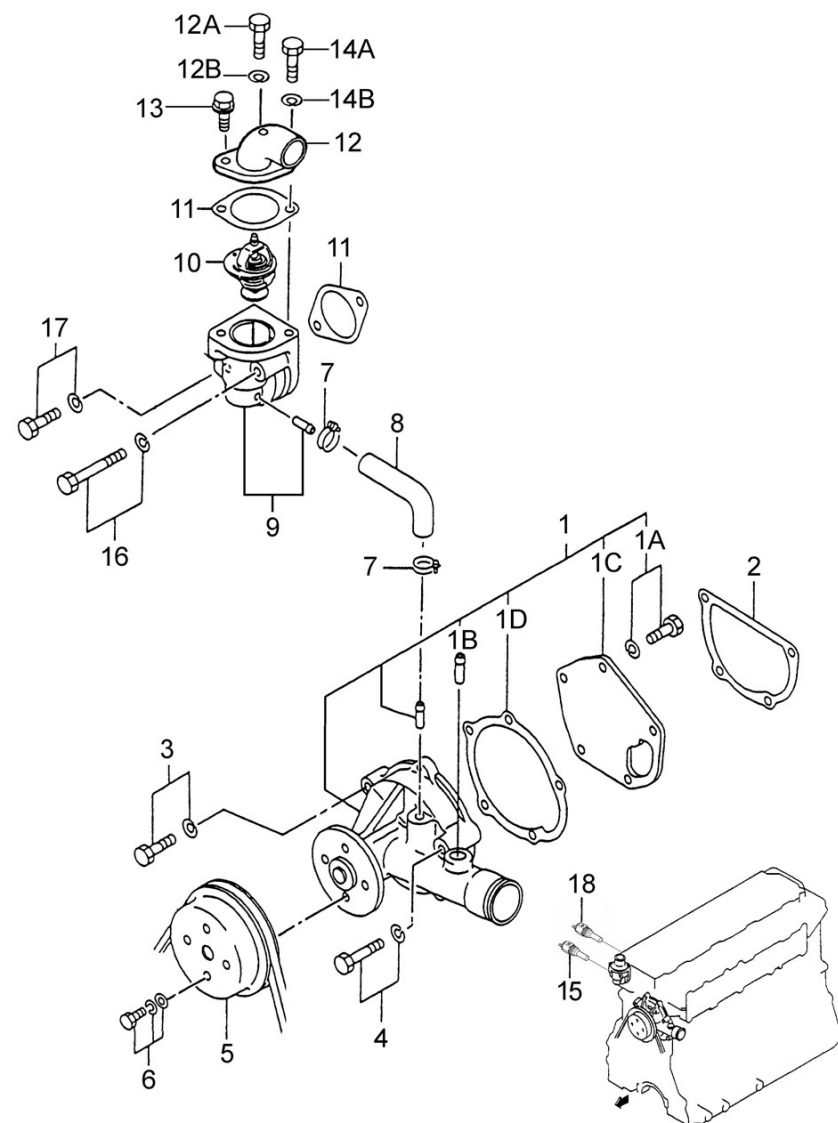
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	17119001.1	1	Bracket,Engine Control			
2	14719013	1	Clamp,cable			
3	55307104	2	Bolt DIN 86 W3/16-10			
4	52102257	1	Bolt DIN 933 M8-20 8.8			
5	17125038.1	1	Bracket			
6	51030008	1	Washer DIN 125-8			
7	53033008	1	Washer GROWER DIN 127-8			
8	52120008	1	Nut DIN 934 M8 8.8			
9	15119015	1	CABLE Holder Ball			
10	11114122	1	Ball Joint			
11	51030006	2	Washer DIN 125-6			
12	52120006	1	Nut DIN 934 M6 8.8			



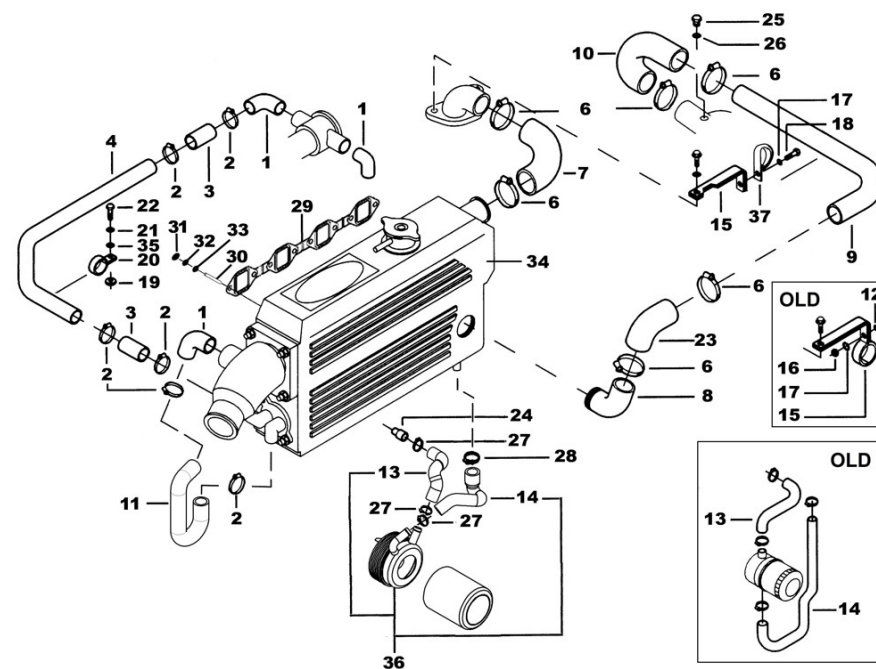
D_MI62_2_1		Inlet				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	17121032	1	Gasket, in manifold			
2	17121030	1	Manifold, Assy inlet			
3	18210020	1	Spacer, Air Filter			
4	18210030	1	Air Filter			
5A	52102156	4	Bolt DIN 933 M6-16 8.8			
5B	51030006	4	Washer DIN 125-6			
5C	53033006	4	Washer GROWER DIN 127-6			
6	17121012	11	Bolt, w/washer			



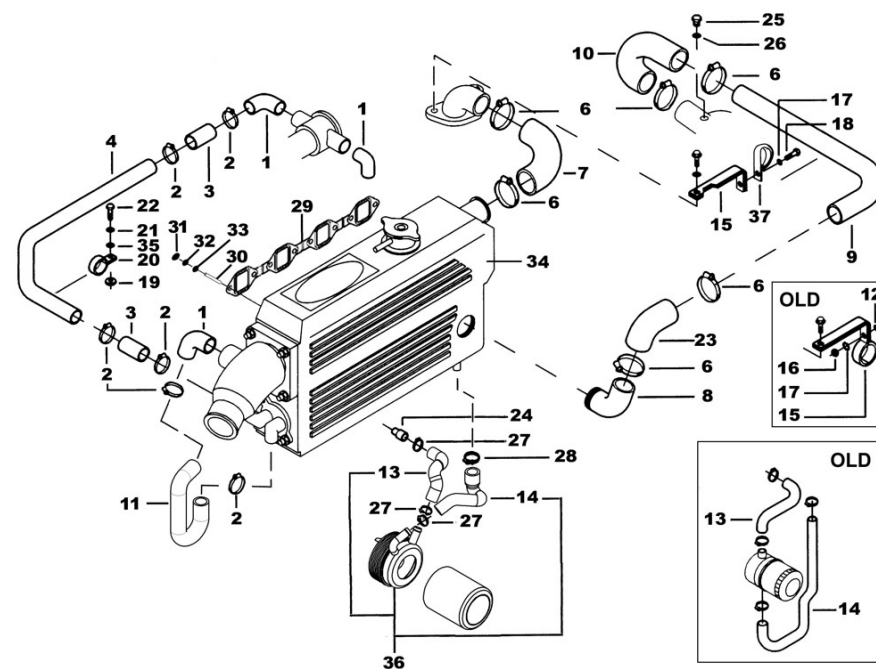
D_MI62_3_1		Water Pump				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	17121020	1	Fresh Water Pump			
1A	17121012	1	Bolt, w/washer			
1B	17124053	1	Joint			
1C	17121042	1	Cover, water pump			
1D	17121022	1	Gasket Water Pump			
2	17121041	1	Gasket			
3	17121014	3	Bolt, w/washer			
4	17120046	1	Bolt, w/washer			
5	17121021	1	Pulley,Water Pump			
6	17121056	4	Bolt,w/washer			
7	17121036	2	Clamp, hose			
8	17121025	1	Hose, by-pass			
9	17121037	1	Thermostat Bracket			
10	17121027	1	Thermostat			
11	17111021	2	Gasket			
12	17111020	1	Fitting,water outlet			
12A	13811035	1	Bolt,bleed			
12B	56000053	1	Washer 6-10-1,5			
13	17121060	1	Bolt			
14A	52101263	1	Bolt DIN 931 M8-50 8.8			
14B	53038008	1	Washer DIN 6798-A 8			
15	17427080	1	Switch,Thermo			
16	52101268	1	Bolt DIN 931 M8-75 8.8			
17	17121039	1	Bolt,w/washer			
18	60900980	1	Temperature Sensor			



D_MI62_3_2		Cooler Pipes				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	14711021	2	Elbow N°1			
2	54082025	6	Clamp DIN 3017 25-40/12 W4			
3	13611038	3	Pipe 30-40-75		06/07/2017	
3	60535008	1	Pipe 30-40-65			05/07/2017
4	17111030	1	Pipe,from pump to exchanger			
6	54082032	6	Clamp DIN 3017 32-50/12 W4			
7	17111022	1	Elbow			
8	17111011	1	Elbow 1 1/8"			
9	17011022	1	Pipe,from cooler to engine			
10	16711016	1	Rubber Elbow			
11	16111012	1	Hose			
12	51030006	1	Washer DIN 125-6			23/01/2023
13	17111018	1	Elbow			
13	17111023	1	Oil Cooler Rubber Sleeve			
14	17111016	1	Pipe			
14	17111038	1	Oil Cooler Rubber Sleeve			
15	17111029	1	Bracket Clamp			23/01/2023
16	52120006	1	Nut DIN 934 M6 8.8			23/01/2023
17	53033006	1	Washer GROWER DIN 127-6			
18	52102156	1	Bolt DIN 933 M6-16 8.8			
19	18517013	1	Spacer 10X20X7			
20	17111024	1	Bracket Clamp			
21	53033010	1	Washer GROWER DIN 127-10			
22	52202308	1	Screw DIN 961 8.8 M-10/1,25X25			
23	15211026	1	Elbow,rubber		06/07/2017	
23	17111028	1	Elbow, rubber			05/07/2017
24	17124053	1	Joint			
25	12111076	1	Plug			
26	56000073	1	Copper Washer 16-23-1,5			
27	54081012	3	Clamp DIN 3017 12-22/9 W4			
28	54081020	1	Clamp DIN 3017 20-32/9 W4			

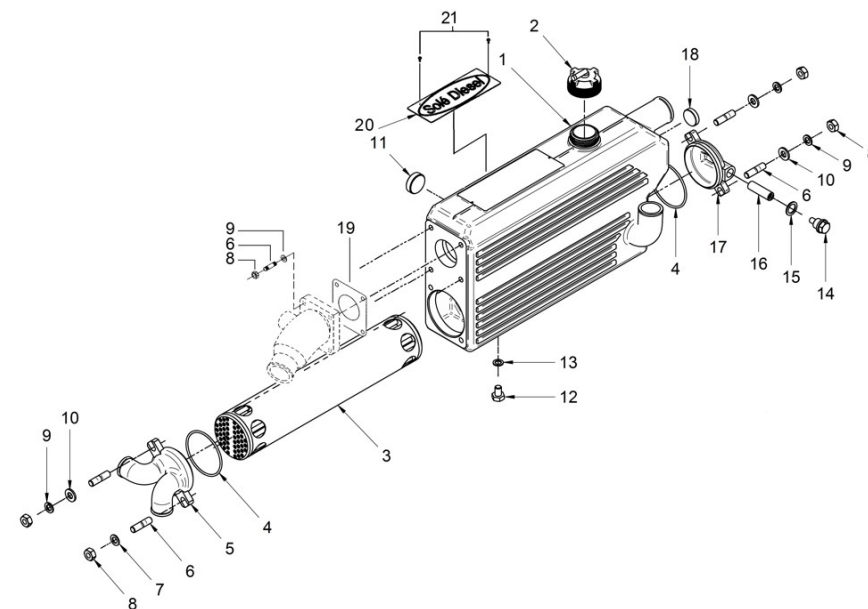


D_MI62_3_2		Cooler Pipes			
Fig.	Ref.	Qty.	Descr.	Obs	From UpTo
29	17121035	1	Gasket, Exhaust Manifold		
30	13311006	8	Stud,cover		
31	51030008	8	Washer DIN 125-8		
32	53033008	8	Washer GROWER DIN 127-8		17/10/2017
32	53038008	8	Washer DIN 6798-A 8		18/10/2017
33	17120049	8	Nut M8		
34	17111000R	1	Water Cooler Assy MINI-62 (Spare Part)		
35	51030010	1	Washer DIN 125-10		
36	17124043R	1	MINI-62 Oil Cooler Assy (Spare Part)		
36	17511014	1	Bracket		
37	59071383	1	Clamp TYP.1 38/15 W1		23/01/2023

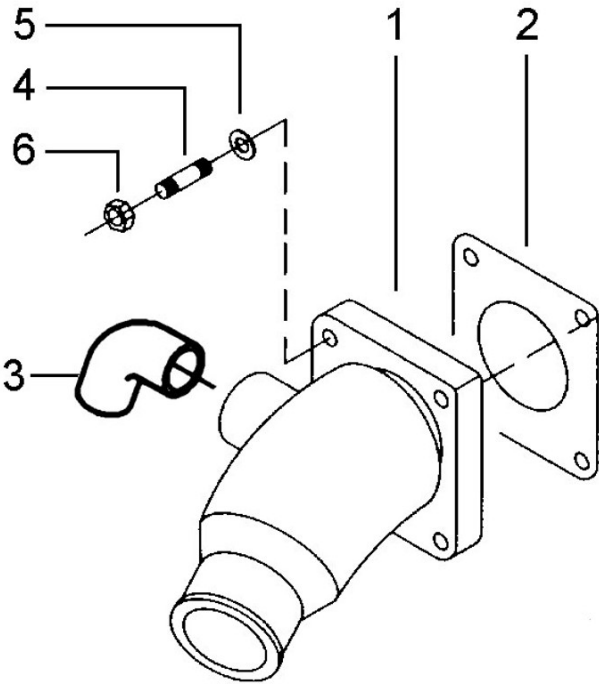


D_17111000R Water Cooler Assy MINI-62

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	17111001	1	Body, Water Cooler			
2	13811010	1	Cap			
3	17111004	1	Tubular Bundle			
4	18011008	2	O-Ring D. 72X3			
5	18011003	1	Water Cooler Cover			
6	16511007	8	Stud			
7	51035010	1	Washer DIN 433 10			
8	52120010	8	Nut DIN 934 M10 8.8			
9	53033010	8	Washer GROWER DIN 127-10			
10	51030010	3	Washer DIN 125-10			
11	16513004	1	Plug 1"			
12	54102306	1	Bolt DIN 933 M10-16 INOX.			
13	56000061	1	Washer 10-16-1,5			
14	18011009	1	Anode Plug			
15	56000073	1	Copper Washer 16-23-1,5			
16	18011031	1	Engine Anode 45 mm M.8			
17	18011002	1	Water Cooler Cover			
18	12113092	1	Plug			
19	17113016	1	Gasket			
20	17111060	1	Plate "SOLE Diesel"			
21	17111062	2	Bolt			

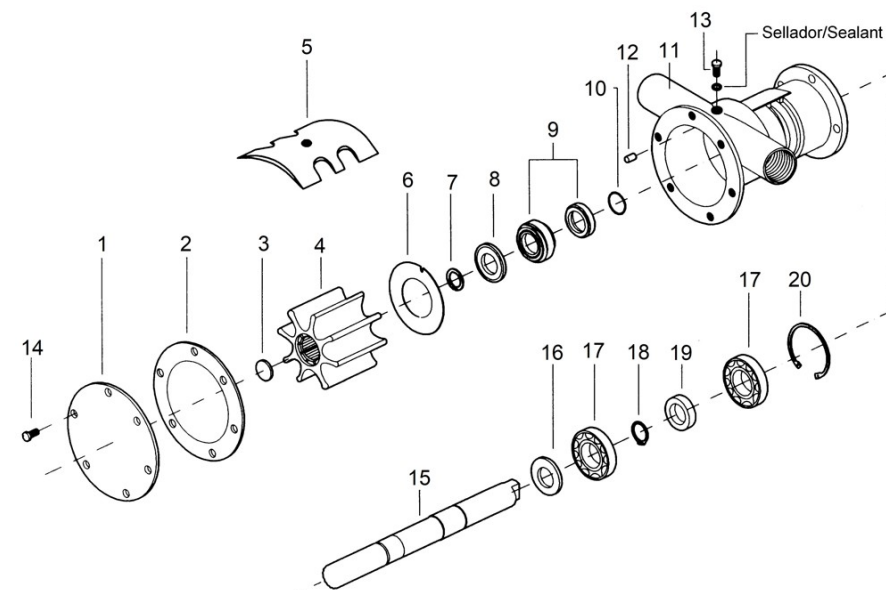


D_MI62_3_3		Wet Exhaust				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	17113015	1	Elbow,wet exhaust			
2	17113016	1	Gasket			
3	14711021	1	Elbow N°1			
4	16511007	4	Stud			
5	51030010	4	Washer DIN 125-10			17/10/2017
5	53033010	4	Washer GROWER DIN 127-10		18/10/2017	
6	55120110	4	Nut DIN 934 M10			

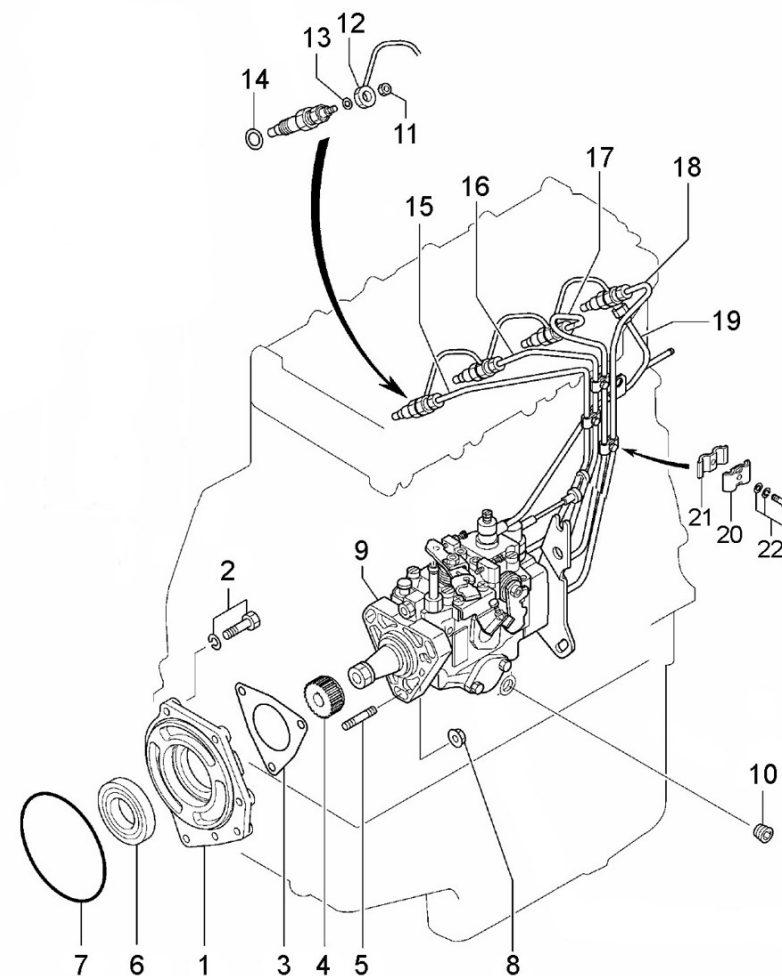


36511000 Cross Brace Pump from 74 to 616

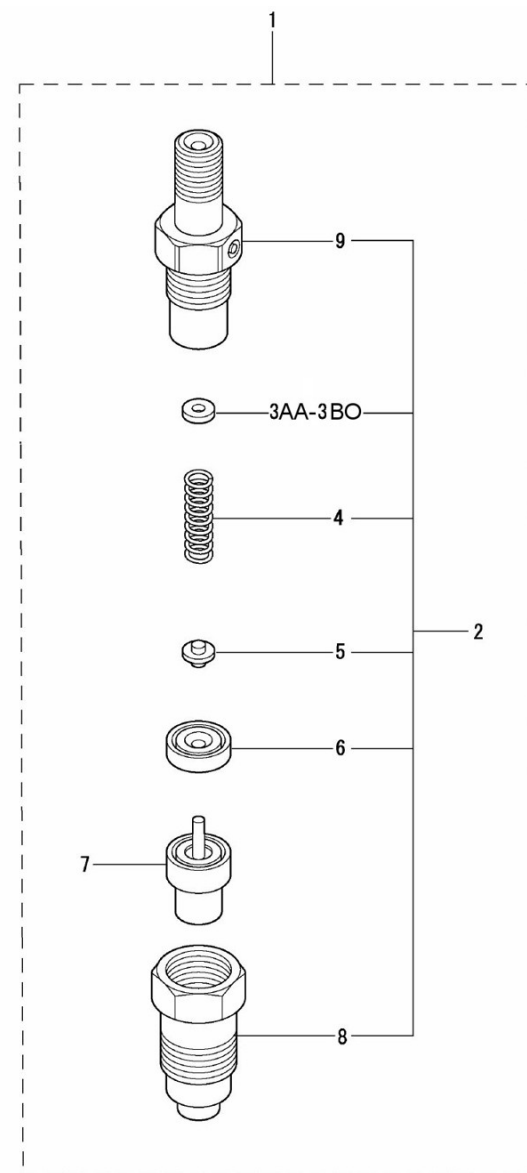
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	34711002	1	Cover Pump			
2	34711003	1	Gasket Cover			
3	34711041	1	Impeller Plug			
4	34711008	1	1" Impeller			
5	34711005	1	Cam			
6	34711026	1	Plate,Friction			
7	54040016	1	CIRClip E-16			
8	36511018	1	Washer,seal			
9	36511019	1	Seal			
10	33311013	1	O-Ring D.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



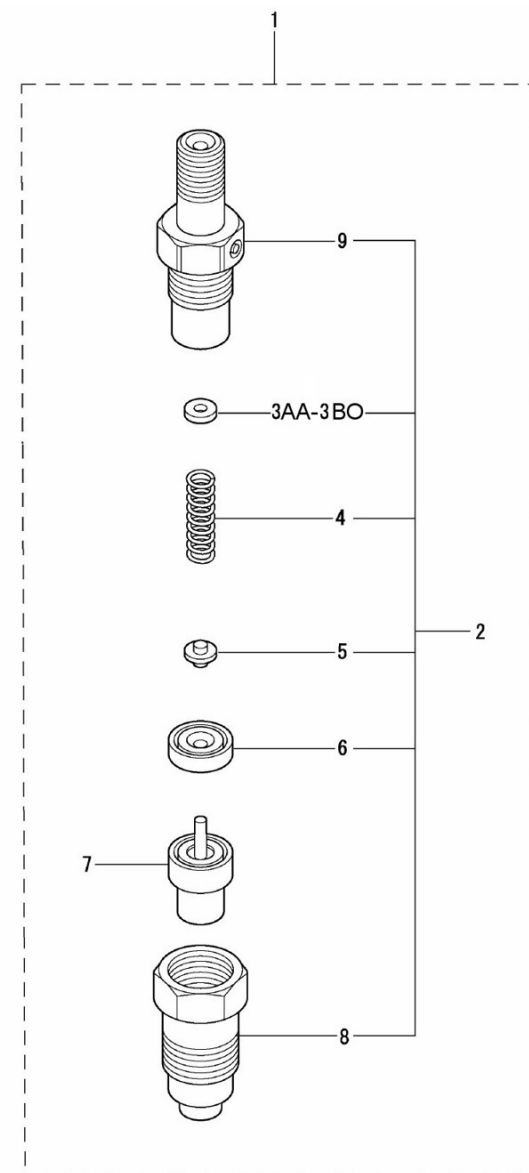
D_MI62_4_1		Fuel Pipe				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	17125005.2	1	Flange,INJ.Pump			
2	17125004.1	1	Bolt			
3	17125007	1	Gasket			
4	17125003.1	1	HUB,SPLINE			
5	17125009.1	3	Stud			
6	17124009	1	Ball Bearing 6909			
7	13325001	1	O-Ring			
8	17125008.1	3	Nut,Flange			
9	17125001.2	1	Pump Assy,INJ			
10	17820011	1	Plug, Tapered			
11	13824024	4	Nut			
12	17124005	1	Pipe, Fuel Leak OFF			
13	17424025G.1	4	Gasket Fuel Return (Genset)			
14	13824013	4	Injector Washer			
15	17124015.1	1	Pipe Injection N.1			
16	17124016.1	1	Pipe Injection N.2			
17	17124019.1	1	Pipe Injection N.3			
18	17124022.1	1	Pipe Injection N.4			
19	17124006.1	1	Pipe Fuel,Return			
20	13124018	3	Clamp (A)			
21	13124017	3	Clamp (B)			
22	17524025	3	Bolt,W/Washer			



D_MI62_4_2		Injection Nozzle				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	17126001.2	4	Nozzle, Assy			
2	(*)	4	Not available			
3	13826015	0	Washer 1,50	#		
3AA	17126062	0	Washer 1.950	#		
3AB	17126033	0	Washer 1.225	#		
3AC	17126056	0	Washer 1.800	#		
3AD	13826017	0	Washer 1,60	#		
3AF	17126020	0	Washer 0.900	#		
3AG	17126039	0	Washer 1.375	#		
3AH	13826010	0	Washer 1,25	#		
3AI	17126045	0	Washer 1.525	#		
3AJ	17126053	0	Washer 1.725	#		
3AK	13826019	0	Washer 1,65	#		
3AL	17126029	0	Washer 1.125	#		
3AM	17126023	0	Washer 0.975	#		
3AN	17126031	0	Washer 1.175	#		
3AN	17126057	0	Washer 1.825	#		
3AO	17126058	0	Washer 1.850	#		
3AP	17126025	0	Washer 1.025	#		
3AQ	13826013	0	Washer 1,40	#		
3AR	13826020	0	Washer 1,70	#		
3AS	17126059	0	Washer 1.875	#		
3AT	17126041	0	Washer 1.425	#		
3AU	17126051	0	Washer 1.675	#		
3AV	17126022	0	Washer 0.950	#		
3AW	17126055	0	Washer 1.775	#		
3AX	17126061	0	Washer 1.925	#		
3AY	17126037	0	Washer 1.325	#		
3AZ	17126030	0	Washer 1.150	#		
3BA	13826014	0	Washer 1,45	#		
3BB	13826016	0	Washer 1,55	#		

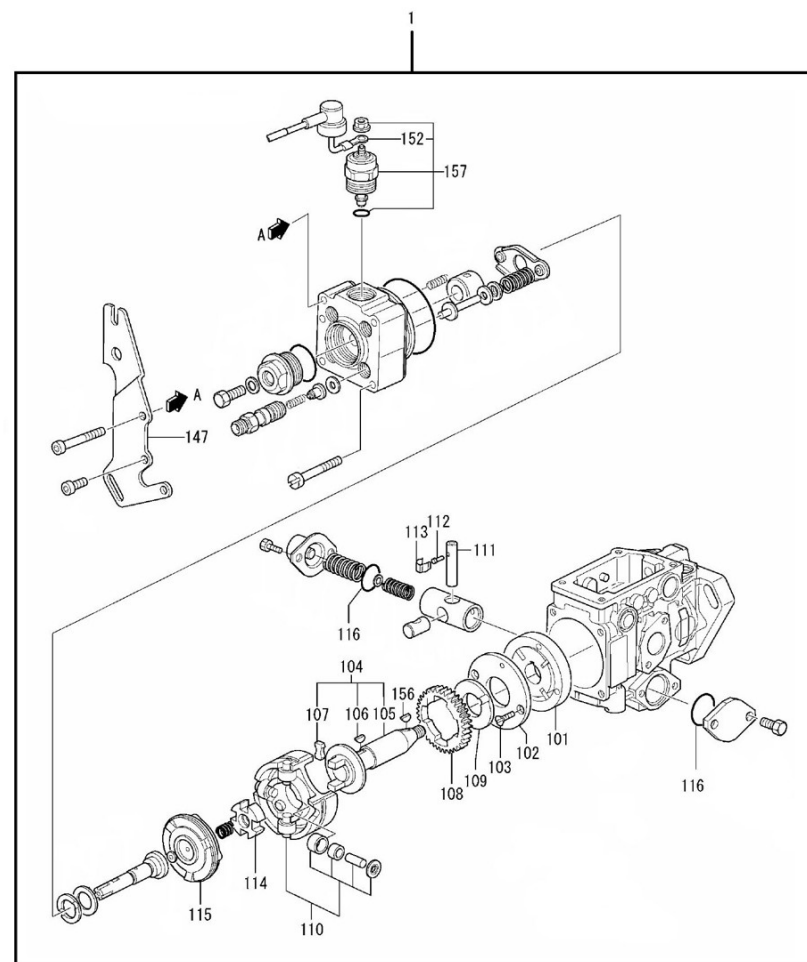


D_MI62_4_2		Injection Nozzle				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
3BC	13826012	0	Washer 1,35	#		
3BD	17126024	0	Washer 1.000	#		
3BE	17126028	0	Washer 1.100	#		
3BF	13826011	0	Washer 1,30	#		
3BG	17126027	0	Washer 1.075	#		
3BH	17126043	0	Washer 1.475	#		
3BI	17126049	0	Washer 1.625	#		
3BJ	17126047	0	Washer 1.575	#		
3BK	17126021	0	Washer 0.925	#		
3BL	17126060	0	Washer 1.900	#		
3BM	17126035	0	Washer 1.275	#		
3BN	17126032	0	Washer 1.200	#		
3BN	17126026	0	Washer 1.050	#		
3BO	17126054	0	Washer 1.750	#		
4	17226004	4	Spring, Pressure			
5	13826003	4	Pin Pressure			
6	13826007	4	PIECE DISTANCE			
7	17126018.2	4	TIP Assy,Nozzle			
8	17226006	4	Nut, Nozzle RETAINING			
9	17126003	4	Holder			



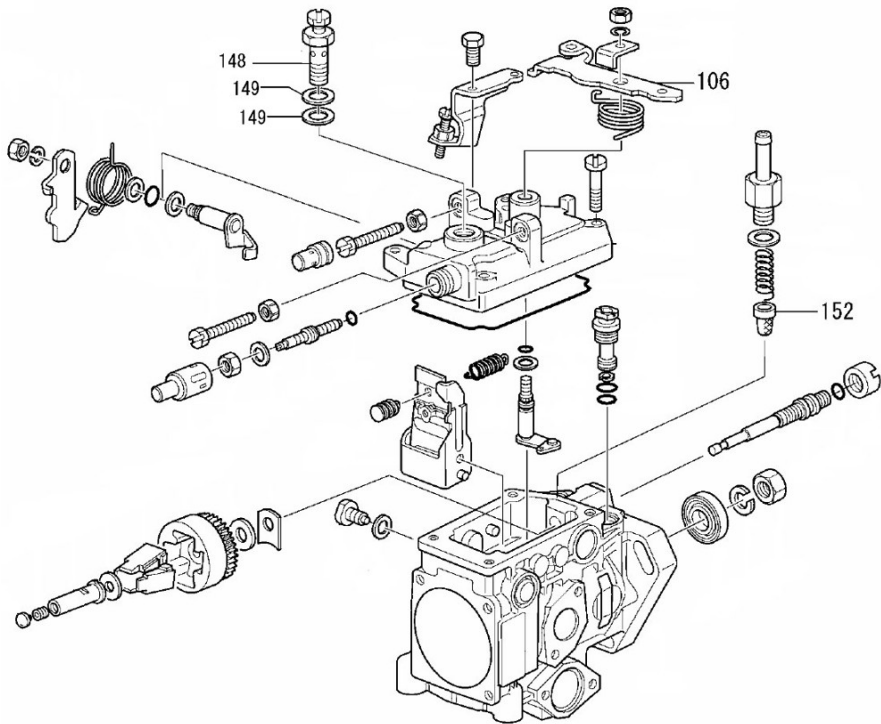
D_MI62_4_3 Fuel Injection Pump 1/2

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	17125001.2	1	Pump Assy,INJ			
101	17125001.1.01	1	Feed Pump			
102	17125001.1.02	1	Cover POMPE			
103	17125001.1.03	2	Screw			
104	17125001.1.04	1	Shaft,Drive			
105	17125001.1.05	1	Shaft,Drive			
106	17125001.1.06	1	KEY,WOODRUFF			
107	17125001.1.07	2	Damper			
108	17125001.1.08	1	Gear			
109	17125001.1.09	1	Washer			
110	17125001.1.10	1	Roller Assy			
111	17125001.1.11	1	Pin			
112	17125001.1.12	1	Pin			
113	17125001.1.13	1	Clip			
114	17125001.1.14	1	Disk			
115	17125001.1.15	1	Camshaft plate			
116	17125001.1.121	2	O-Ring D. 30X3			
147	17125038.1	1	Bracket			
152	17125302.1	1	Wire			
156	17125060.2	1	KEY			
157	17125300.2	1	SOLENOID 12V.			

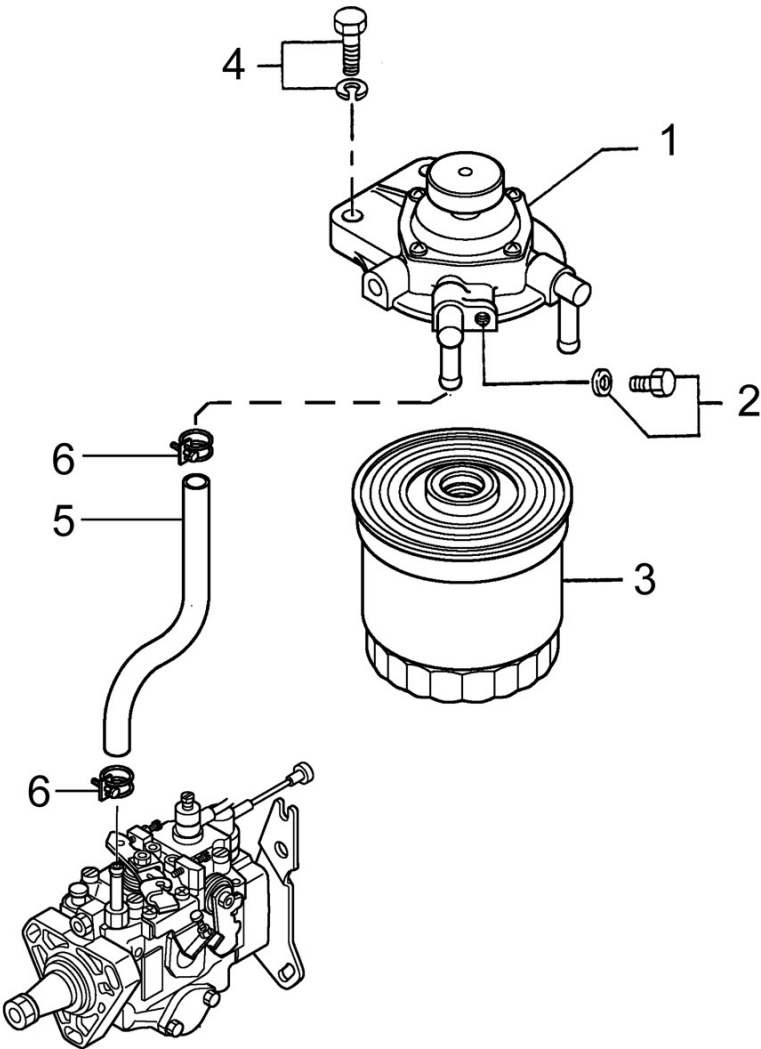


D_MI62_4_4 Fuel Injection Pump 2/2

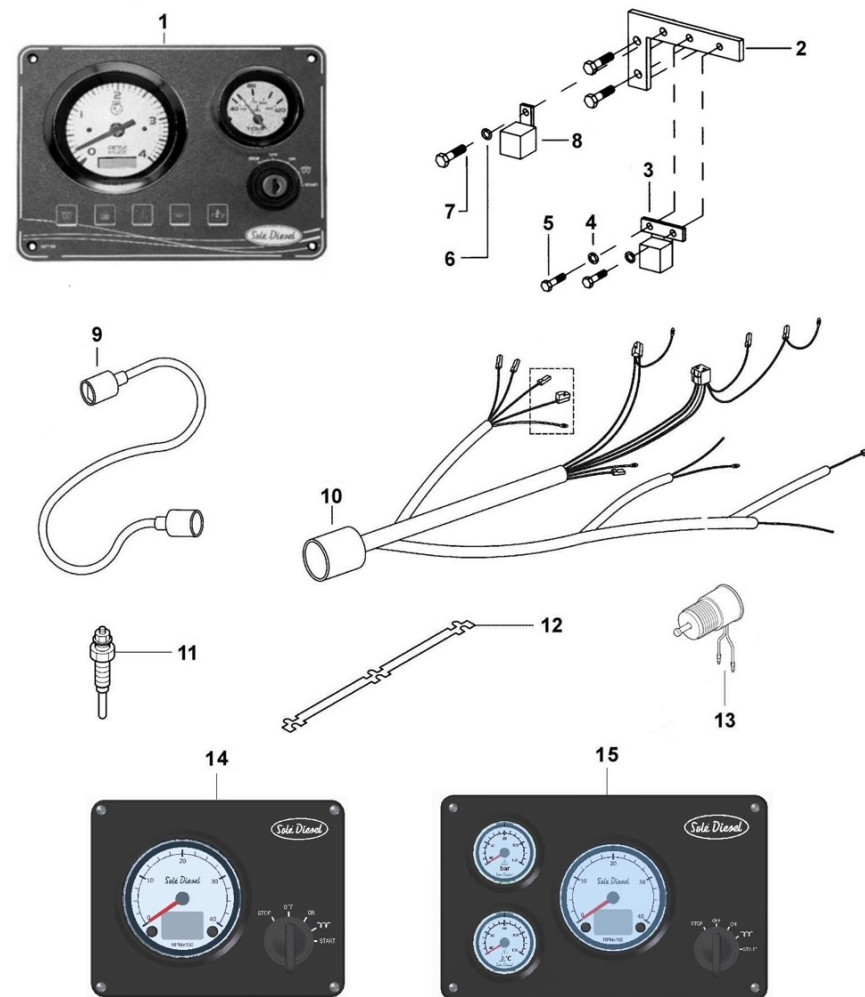
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
106	17125001.106	1	Lever (MARK 255)			
148	17125001.1.21	1	Valve			
149	17125001.1.22	2	Gasket			
152	17125001.1.152	1	Filter			



D_MI62_4_5		Fuel Filter				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	17124021	1	Body Assy			
2	17124073	1	Plug,Air			
3	17114022	1	Fuel Filter Element MINI-62			
4A	52102259	2	Bolt DIN 933 M8-30 8.8			
4B	53033008	2	Washer GROWER DIN 127-8			
5	17114006	1	Pipe			
6	51086015	2	One Ear Clamp With Interior Ring 13-15,3			

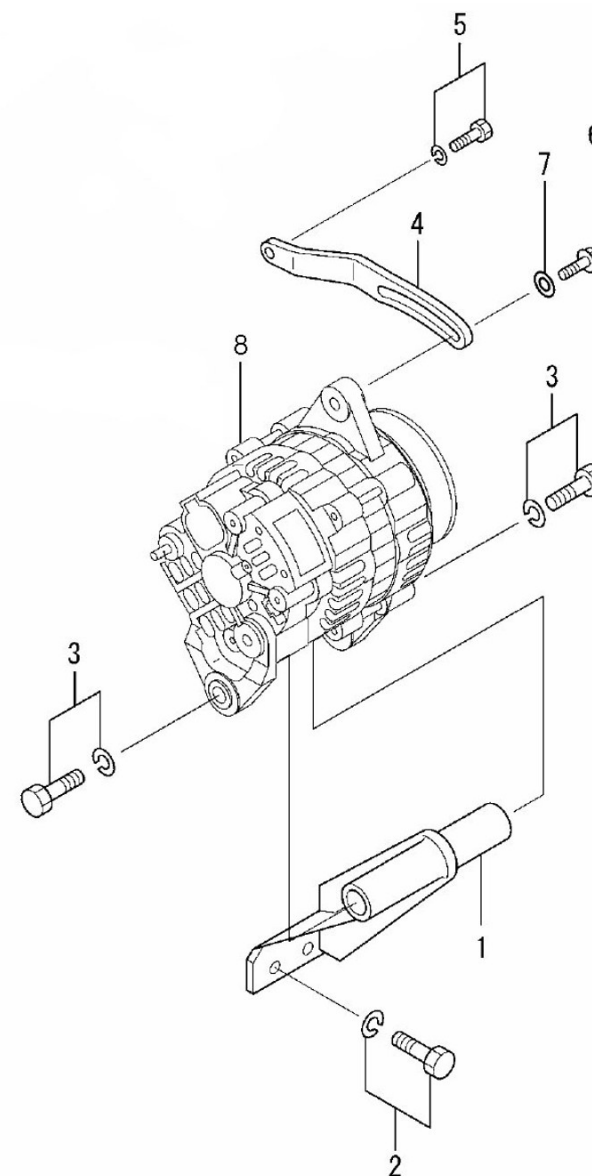


D_MI62_5_5		12V Electrical Wiring			
Fig.	Ref.	Qty.	Descr.	Obs	From UpTo
1	60971135R	1	SVT 20 MINI-62 Panel (Repl.)		04/03/2024
2	17117001	1	Support,relay		
3	13827005	1	Glow Relay		
4	51030006	2	Washer DIN 125-6		
5	52102155	2	Bolt DIN 933 M6-12 8.8		
6	51030005	1	Washer DIN 125-5		
7	52102104	1	Bolt DIN 933 M5-10 8.8		
8	13817005	1	Relay 6V		
9	60985210	1	Engine Wiring Ext. 4 M.		
10	60971200	1	Wiring Electrical MINI-62 SVT		
11	17127017	4	Plug, glow		
12	17127018	1	Plate, Connection		
13	17125300.1	1	Valve MAGNET		
14A	63971211NS	1	Panel SSG 20 MINI-62 ETR 12V Black		04/03/2024
14B	63971211BS	1	Panel SSG 20 MINI-62 ETR 12V White		04/03/2024
14C	63971211BSL	1	Panel SSG 20 MINI-62 ETR 12V White Earth Isolated		04/03/2024
14D	63971211NSL	1	Panel SSG 20 MINI-62 ETR 12V Black Earth Isolated		04/03/2024
15A	63971311NS	1	Panel SSG 30 MINI-62 ETR 12V Black		04/03/2024
15B	63971311BS	1	Panel SSG 30 MINI-62 ETR 12V White		04/03/2024
15C	63971311BSL	1	Panel SSG 30 MINI-62 ETR 12V White Earth Isolated		04/03/2024
15D	63971311NSL	1	Panel SSG 30 MINI-62 ETR 12V Black Earth Isolated		04/03/2024



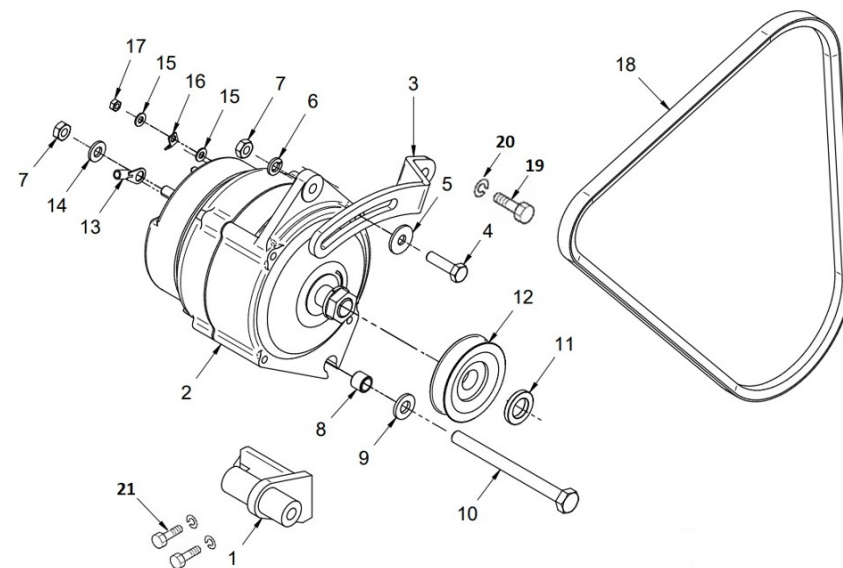
D_MI62_5_1 Kit Alternator 12V/40A

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	17127002	1	Bracket Alternator			
2	13322079	2	Bolt			
3	13327004	2	Bolt			
4	17127007	1	BRACE Generator			
5	17121012	1	Bolt, w/washer			
6	13827012	1	Bolt			
7	51031008	1	Washer DIN 9021 8			
8	17127010	1	Alternator 12V/40A			
NS	13817016	1	Spacer 17X28X4			08/04/2022
NS	15217103	1	Belt Type AX 38EP 965			

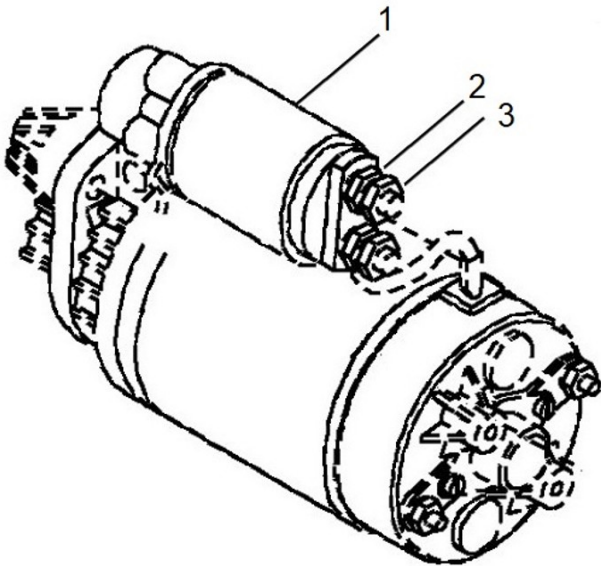


D_MI62_5_7 Kit Alternator 14V/95A MAHLE

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	17127002.6	1	Bracket Alternator			
2	17117025	1	Alt. 14V/95A Mahle			
3	17127007	1	BRACE Generator			
4	52102259	1	Bolt DIN 933 M8-30 8.8			
5	51031008	1	Washer DIN 9021 8			
6	53038008	1	Washer DIN 6798-A 8			
7	52120008	2	Nut DIN 934 M8 8.8			
8	17417025	1	Spacer 13.5x10.2x11			
9	53038010	1	Washer DIN 6798-A 10			
10	52101325	1	Bolt DIN 931 M10-120 8.8			
11	13817017	1	Spacer 17X28X5,5			
12	17117016.7	1	Pulley			
13	TR.10.8	1	Ring Terminal 10 Sec.			
14	51030008	1	Washer DIN 125-8			
15	51030005	2	Washer DIN 125-5			
16	TR.10.5	1	Ring Terminal 5 Sec.			
17	52120005	1	Nut DIN 934 M5 8.8			
18	17117021	1	Belt Type SPAX 1030 / RECMF-6395			
19	52102257	1	Bolt DIN 933 M8-20 8.8			
20	53033008	1	Washer GROWER DIN 127-8			
21	13322079	2	Bolt			

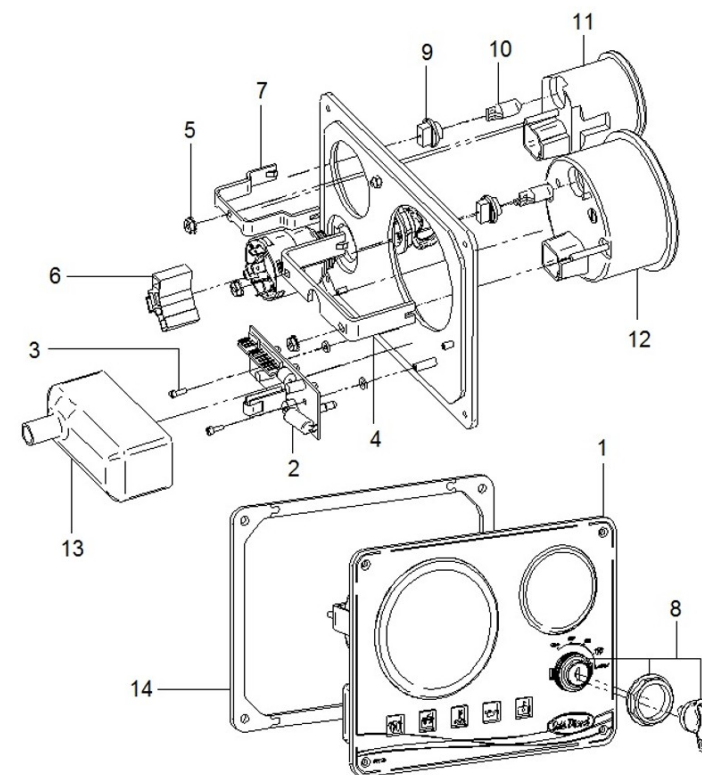


D_MI62_5_3 Starter					
Fig.	Ref.	Qty.	Descr.	Obs	From UpTo
1	17127001.1	1	Starter Assy 12 V		
2	51030008	1	Washer DIN 125-8		
3	52120008	1	Nut DIN 934 M8 8.8		



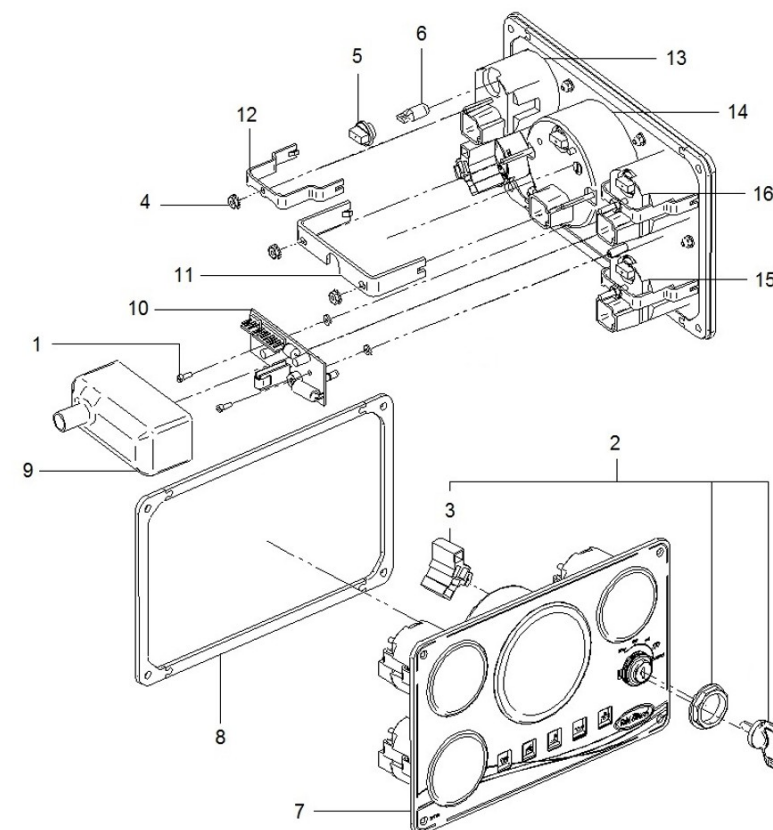
D_60971135 SVT 20 MINI-62 Panel

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	60938005.1	1	Panel N.2			
2	60900301.2	1	Integrated Circuit Plate 12V Protection			
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	60971912	1	Revol. Counter VT 12V MINI-62			
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	



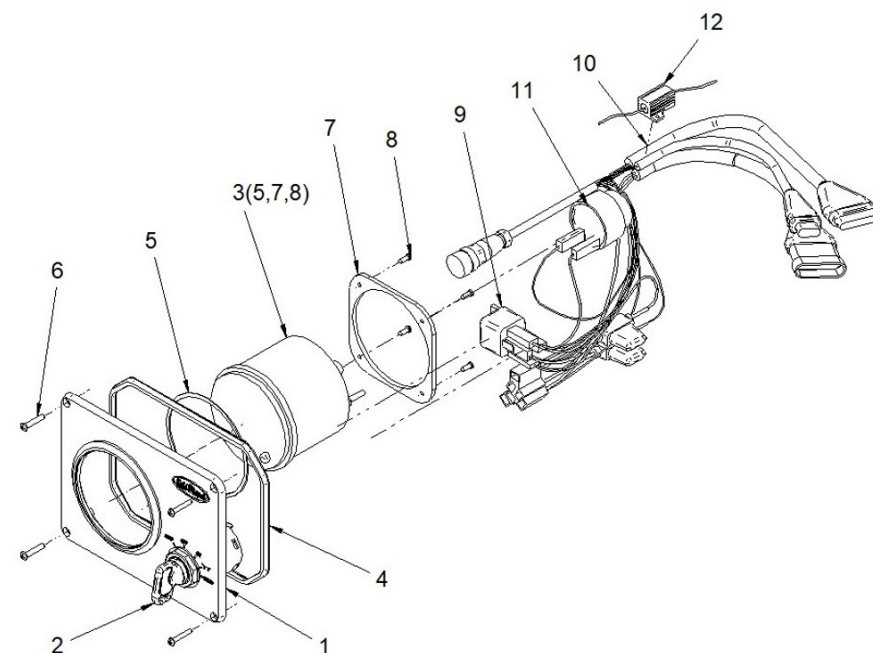
D_60971138 SVT 30 MINI-62 Panel

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	54108003	2	Bolt DIN 84 M3-8 INOX.			
2	60900037	1	Key-Locking			
3	60900037.2	1	Connector			
4	60900910.2	5	Fixing Nut Gauge+Terminal			
5	60900931	4	SOCKET,WEDGE BASE			
6	60900929	4	Bulb 12V			
7	60990005.1	1	Panel N.3			
8	60990006.1	1	Gasket Panel			
9	60900096	1	Cover Plate for Motor Propeller			
10	60900301.2	1	Integrated Circuit Plate 12V Protection			
11	60900910.1	1	Revolution Counter Fixing Bracket			
12	60900915.2	3	Gauge Fixing Bracket			
13	60900941	1	Voltmeter VT 12V			
14	60971912	1	Revol. Counter VT 12V MINI-62			
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	

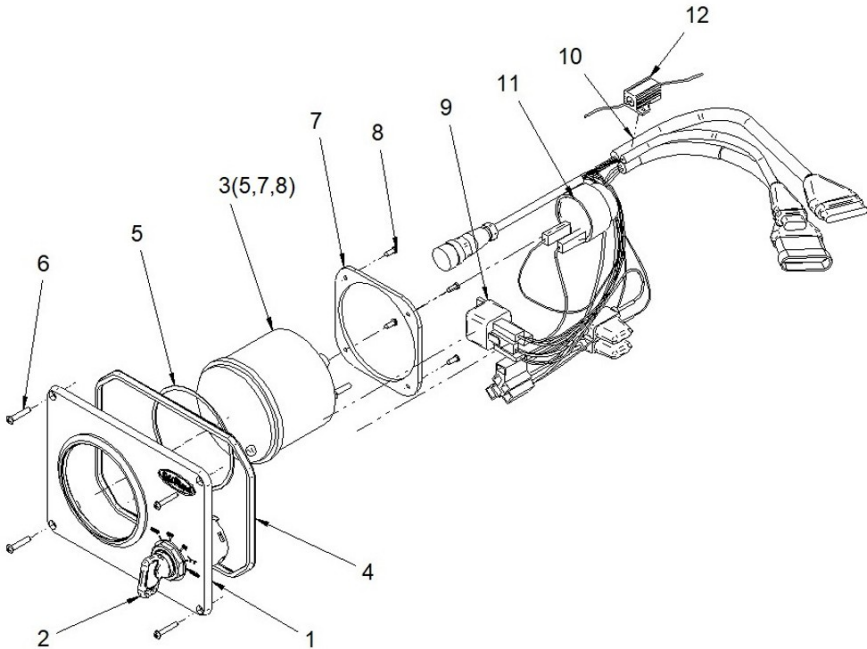


D_1631 Panel SSG 20 Spare Parts

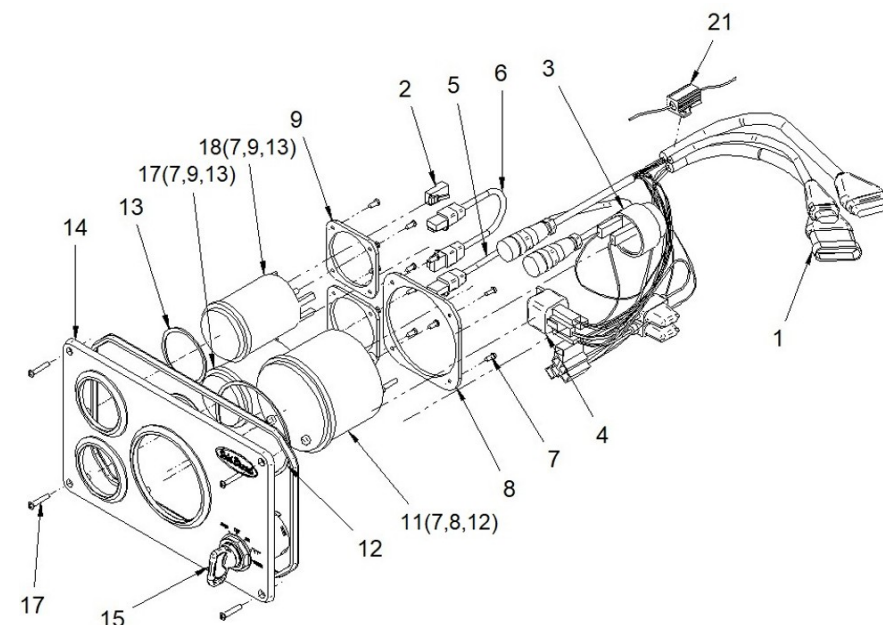
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	63900013	1	SSG 20 Panel Solé Diesel			
2	60900037	1	Key-Locking			
3A	63938001BSR	1	Revolution Counter SG Solé MINI-17/29 White			
3B	63938001BNR	1	Revolution Counter SG Solé MINI-17/29 Black			
3C	63972001BSR	1	Revolution Counter SG Solé MINI-33/44/55 White			
3D	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		

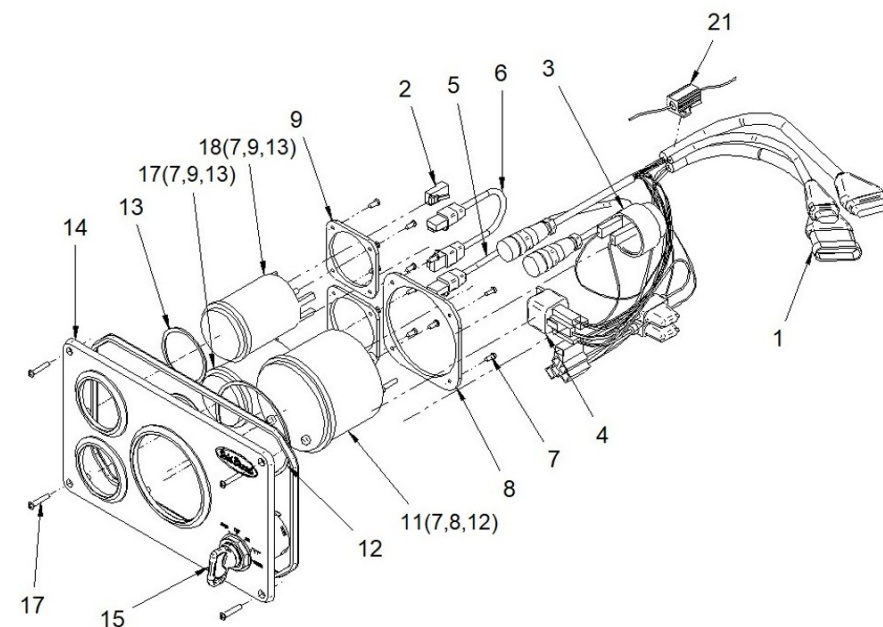


D_1633		Panel SSG 30 Spare Parts				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	63900032	1	Electrical Installation Panel SSG Master			
2	63900026	1	CAN RJ45 Bus End Resistor			
2	63900037	1	CAN RJ45 Bus End Resistor CAN M12-5pin NMEA2000			
3	60900060	1	Alarm, Buzzer			
4A	63900028	1	Relay 12V 20/30A NO+NC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

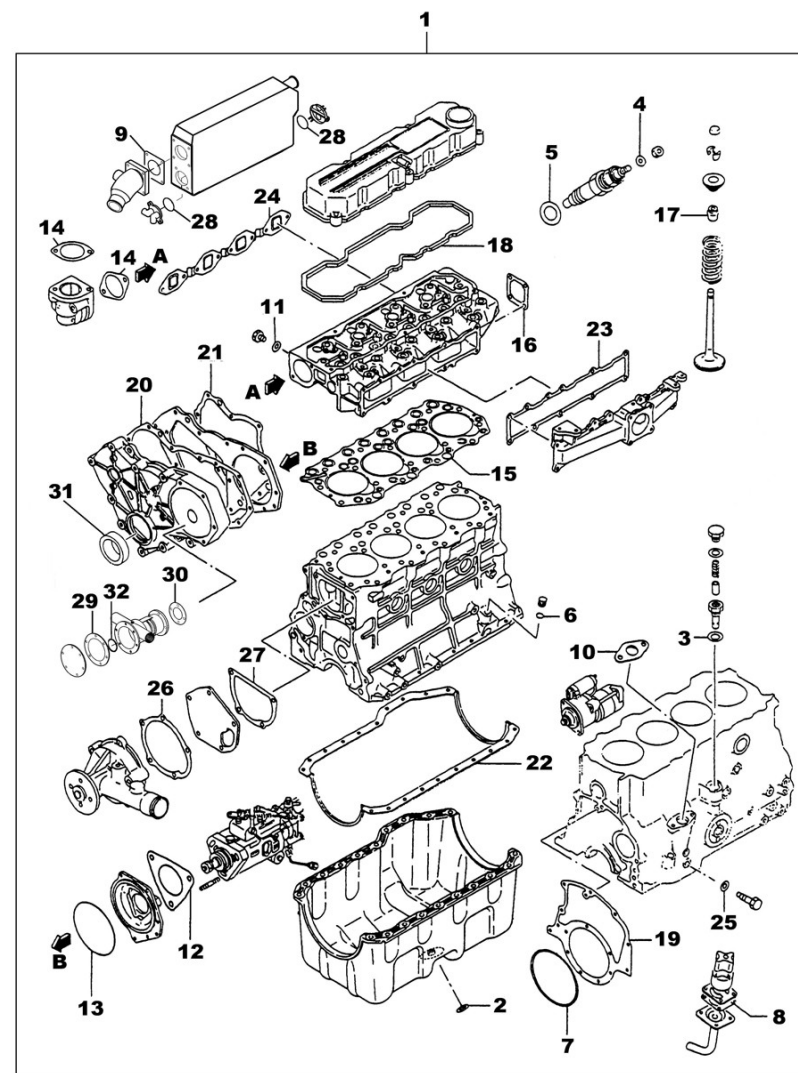
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
17	51918057	4	Bolt DIN 7981 3,9-22			
18A	63900003BSR	1	Pressure Gauge SG Solé Master White			
18B	63900042NSR	1	Pressure Gauge SG Solé Master Black			
19A	63900002BSR	1	Temperature Gauge SG Solé Master White			
19B	63900041NSR	1	Temperature Gauge SG Solé Master Black			
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			



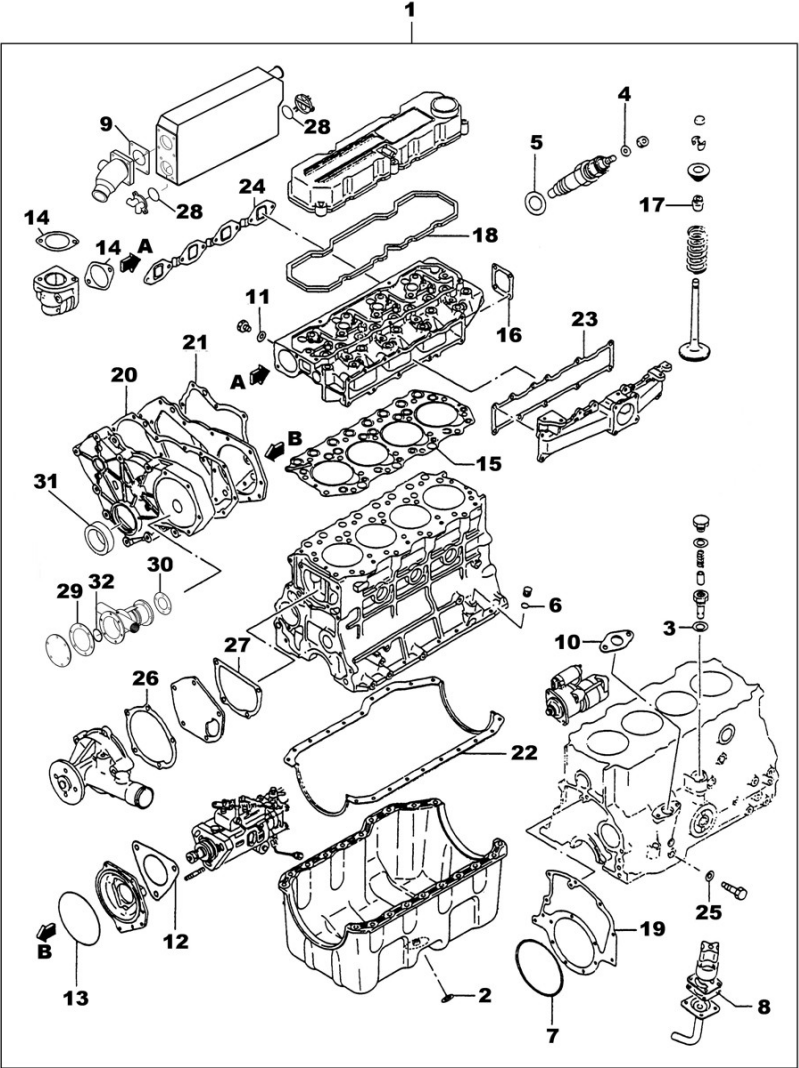
D_ALARPRO_1		Engine Extension				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1A	60938210.1	1	Engine Wiring Ext. 3 M. SUPERSEAL			
1B	60985210.1	1	Engine Wiring Ext. 4 M. SUPERSEAL			
1C	60938211	1	Engine Wiring Ext. 8 M. SUPERSEAL			
1D	60985210.12.1	1	Engine Wiring Ext. 12 M. SUPERSEAL			
1E	60985210.15.1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



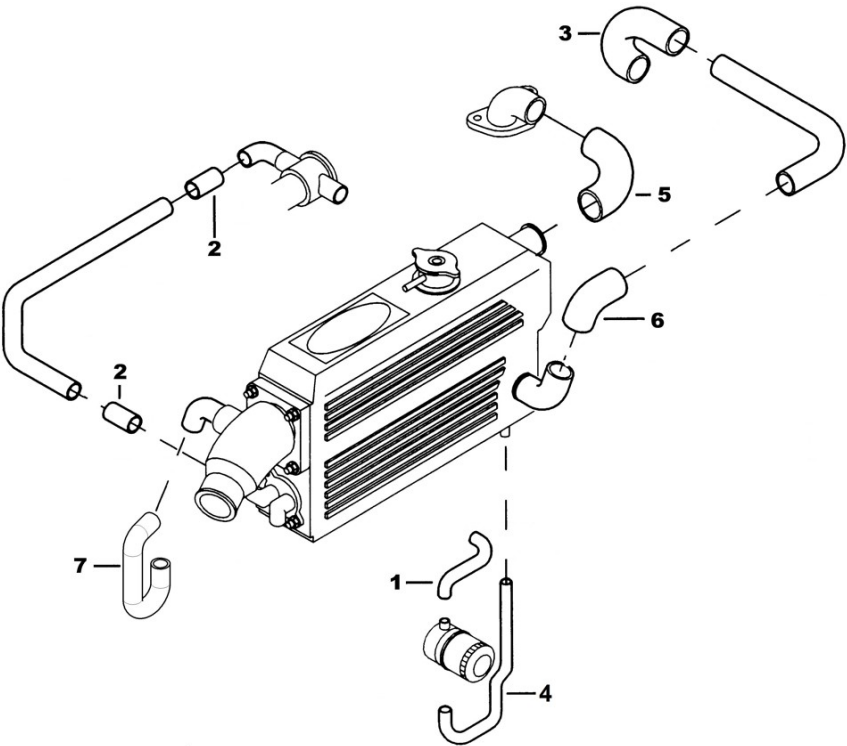
D_17120101		Gasket Kit			
Fig.	Ref.	Qty.	Descr.	Obs	From UpTo
1	17120101	1	Kit Gasket		
2	56000219	1	Washer 14-20-3		
3	17124063	1	Gasket		
4	13824025	4	Injector Gasket		
5	13824013	4	Injector Washer		
6	17120058	1	O-Ring D. 13X2,5		
7	17120053	1	O-Ring D. 120X2		
8	17124041	1	Gasket,STrainer		
9	17113016	1	Gasket		
10	17120041	1	Gasket		
11	17121013	2	Gasket		
12	17125007	1	Gasket		
13	13325001	1	O-Ring		
14	17111021	2	Gasket		
15	17121004	1	Gasket, cyl.head		
16	17121011	1	Gasket, head		
17	17122054	8	Seal,Valve Stem		
18	17121010	1	Rocker Cover Gasket		
19	17120025	1	Gasket,rear		
20	17120040	1	Gasket, timing Gear		
21	17120018	1	Gasket, front plate		
22	17120033	1	Gasket,oil pan		
23	17121032	1	Gasket, in manifold		
24	17121035	1	Gasket, Exhaust Manifold		
25	17124058	1	Gasket		
26	17121022	1	Gasket Water Pump		
27	17121041	1	Gasket		
28	18011008	2	O-Ring D. 72X3		
29	34711003	1	Gasket Cover		
30	13310013	1	Gasket,water pump		
31	17120039	1	Seal, oil		



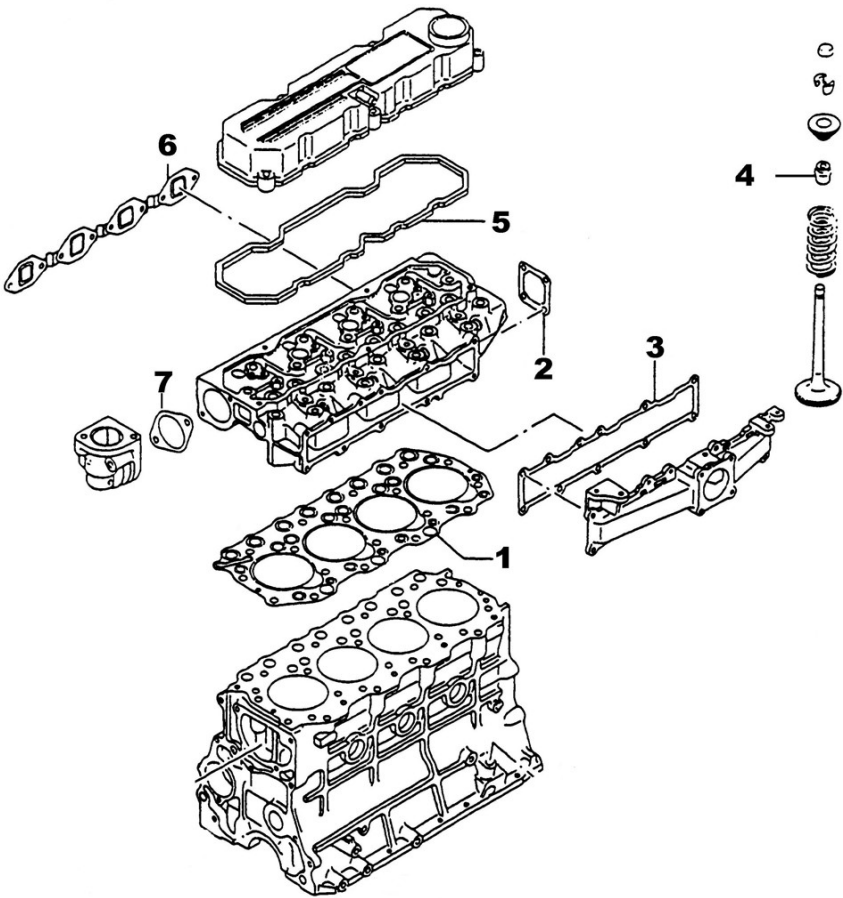
D_17120101 Gasket Kit					
Fig.	Ref.	Qty.	Descr.	Obs	From UpTo
32	33311013	1	O-Ring D. 15X2		



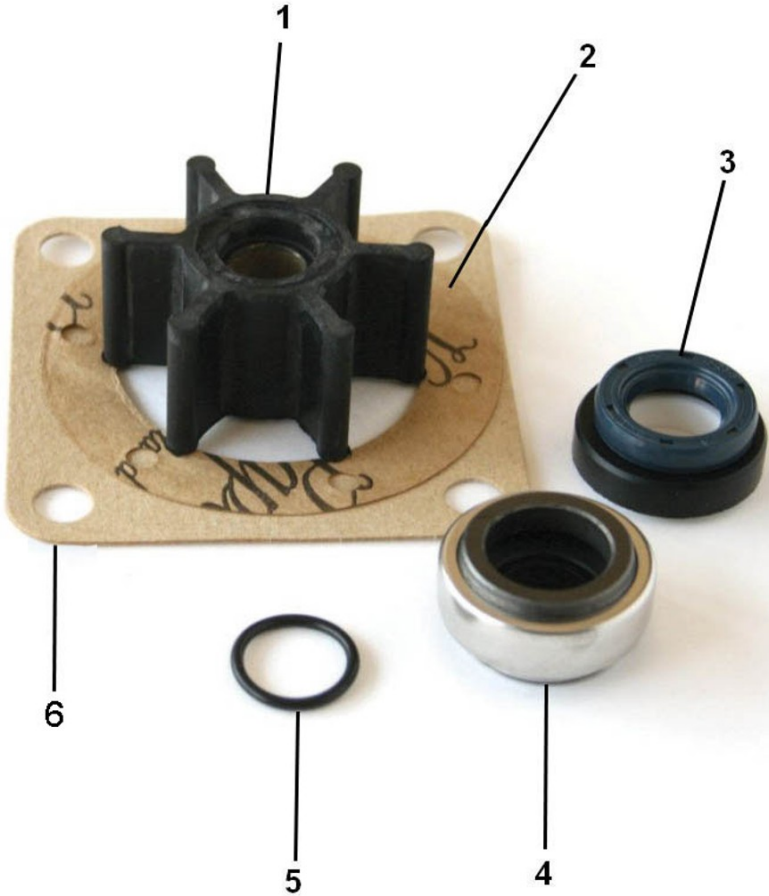
17111100 Pipe Rubber Set,water line						
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	17111018	1	Elbow			
2	13611038	2	Pipe 30-40-75			
3	16711016	1	Rubber Elbow			
4	17111016	1	Pipe			
5	17111022	1	Elbow			
6	15211026	1	Elbow,rubber			
7	16111012	1	Hose			



17120101.1 Gasket Kit					
Fig.	Ref.	Qty.	Descr.	Obs	From UpTo
1	17121010	1	Rocker Cover Gasket		
2	17122054	8	Seal,Valve Stem		
3	17121011	1	Gasket, head		
4	17121032	1	Gasket, in manifold		
5	17121004	1	Gasket, cyl.head		
6	17121035	1	Gasket, Exhaust Manifold		
7	17111021	1	Gasket		



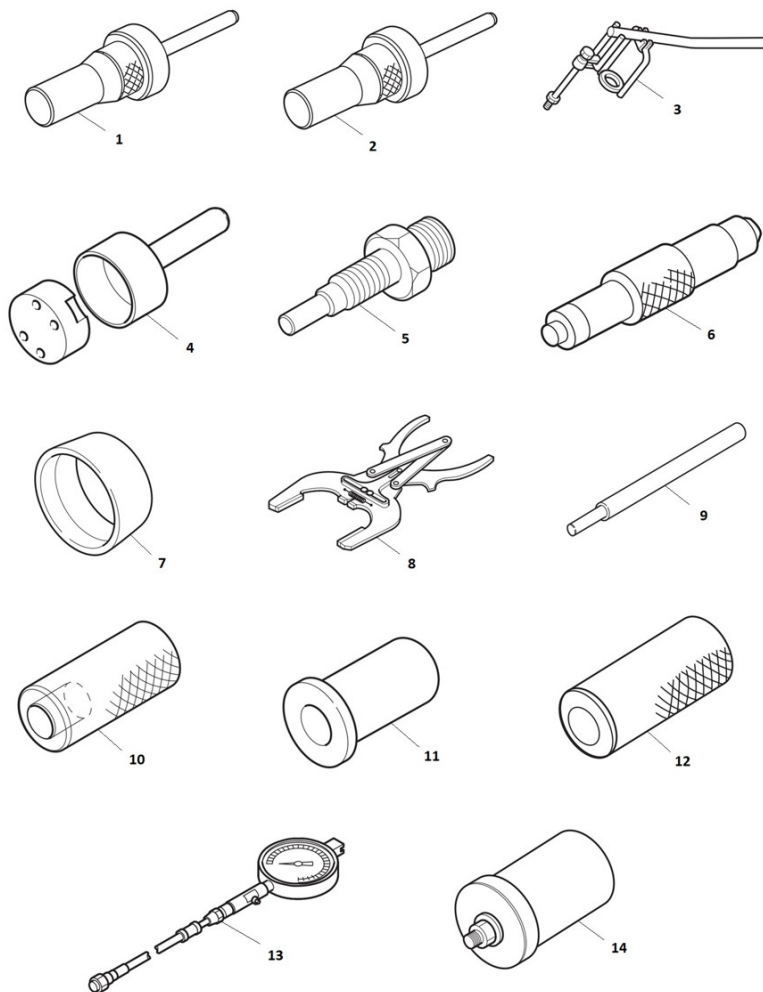
36511000K		Repair Kit Water Pump 1"				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	34711008	1	1" Impeller			
2	34711003	1	Gasket Cover			
3	36511020	1	Seal 16-30-7			
4	36511019	1	Seal			
5	33311013	1	O-Ring D. 15X2			
6	13310013	1	Gasket,water pump			



D_UTILFA0958_1

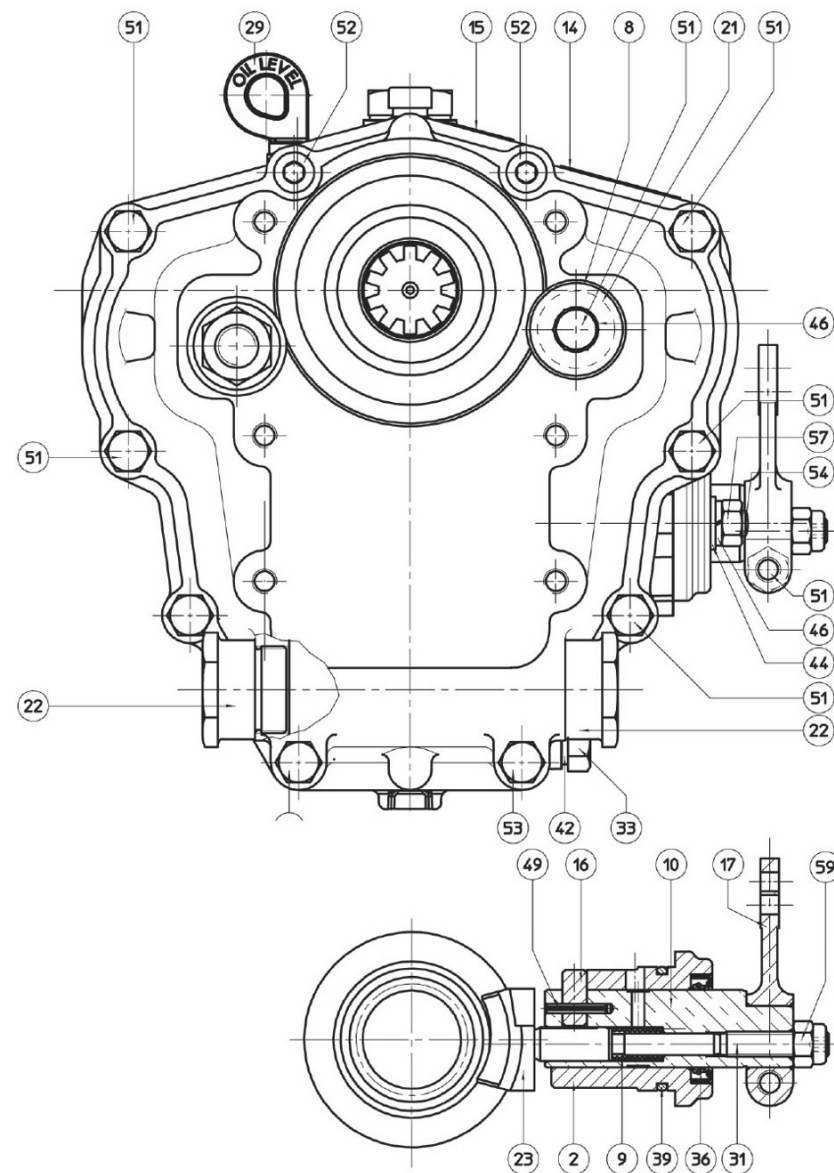
Special Tools

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	U3069102700	1	Valve Sheet Insert Caulking Tool - Inlet			
2	U3069102800	1	Valve Sheet Insert Caulking Tool -Exhaust			
3	U3069104500	1	Valve Spring Pusher			
4	U3069113010	1	Oil seal sleeve installer set			
5	U3069121100	1	Gauge Adapter			
6	U3069151900	1	Idler Bushing Puller			
7	U3069158100	1	Piston Guide			
8	UMM74007	1	Piston Ring Pliers			
9	U32A9100300	1	Valve Guide Remover			
10	U32C9100300	1	Valve Guide Installer			
11	U32C9100500	1	Front Oil Seal Installer			
12	U32C9110400	1	Stem seal installer			
13	19440400.2	1	Compression Manometer 10-60 Bar			
14	UMH061077	1	Idler Shaft Puller			



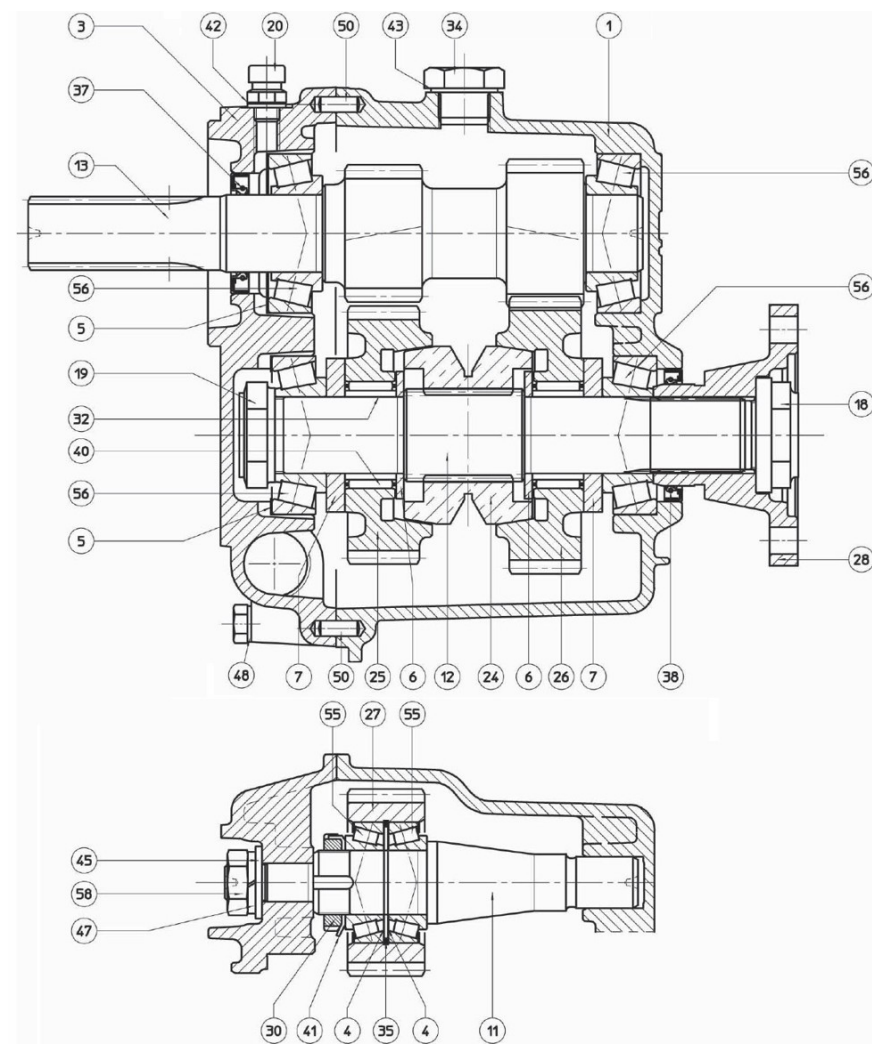
D_5036_1 Sheet 1/2

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			



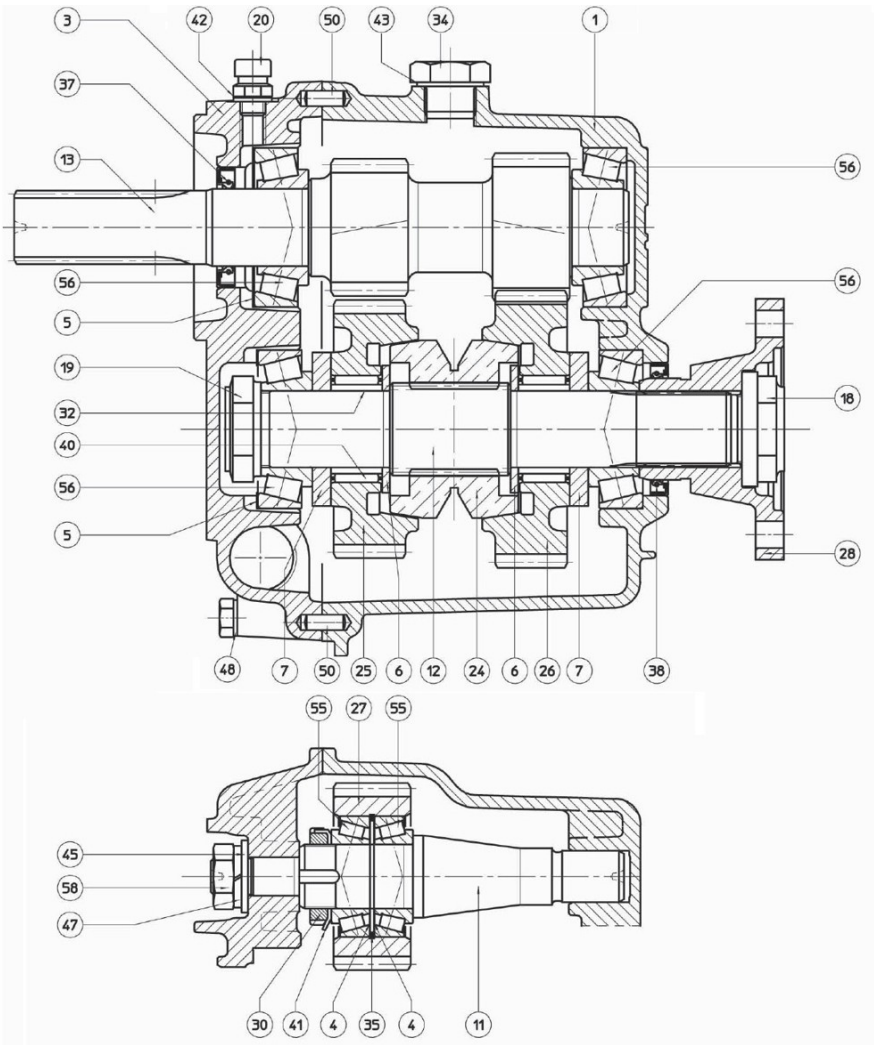
D_5036_2 Sheet 2/2

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			



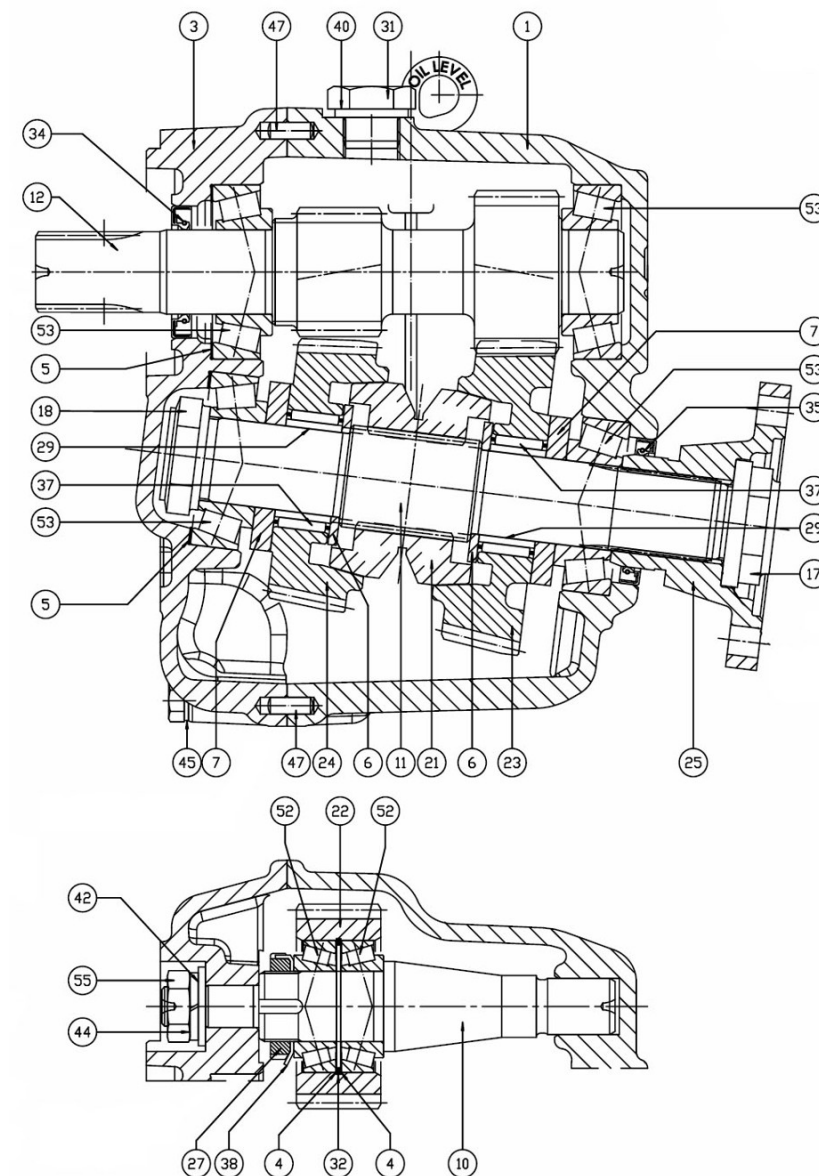
D_5036_2 Sheet 2/2

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			



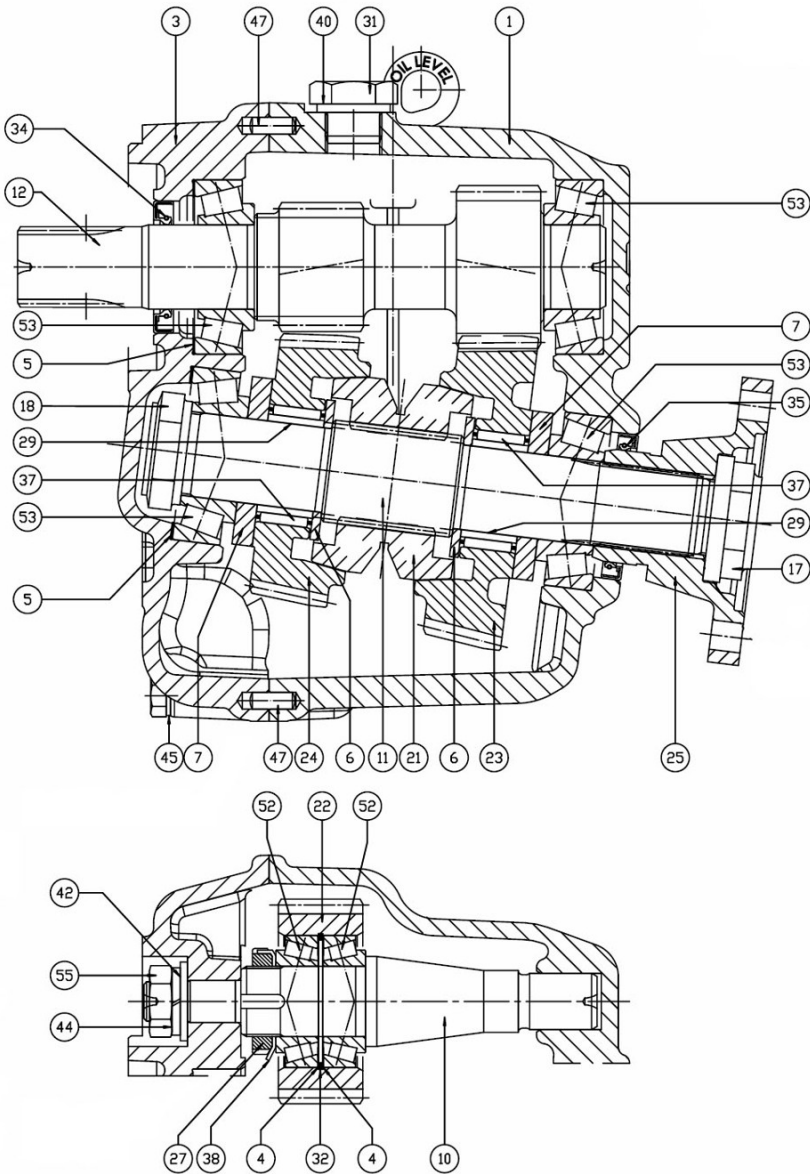
D_5034_1 Sheet 1/2

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			



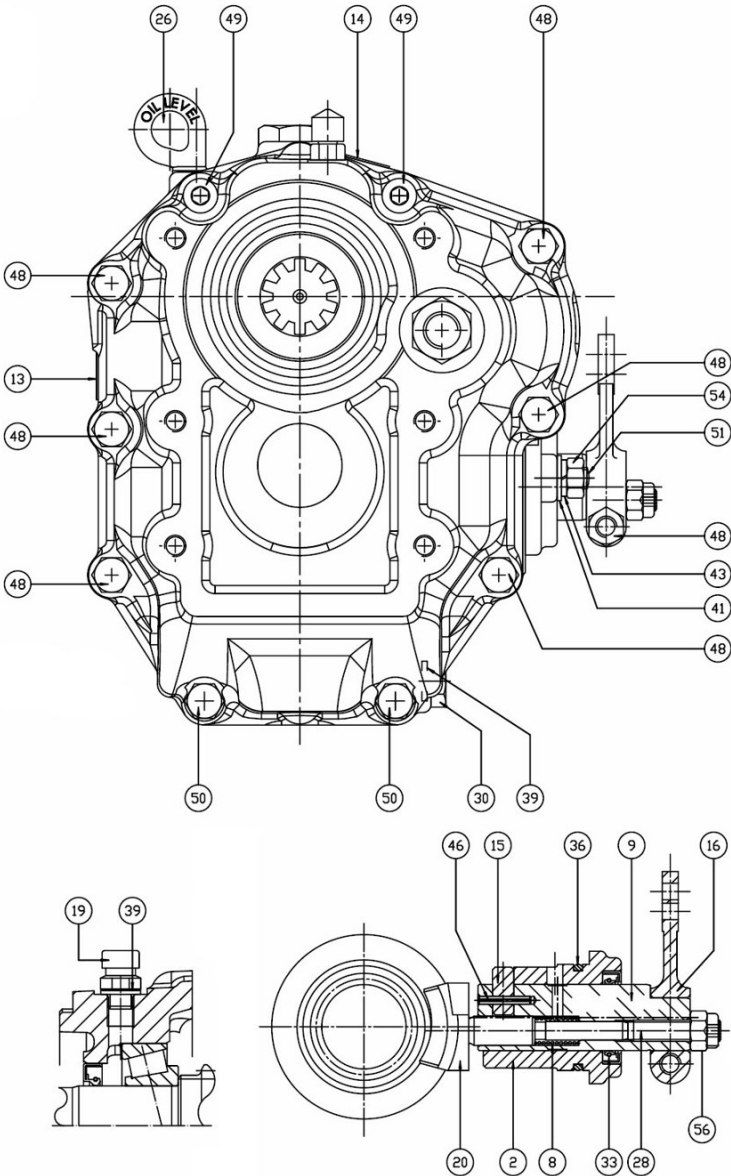
D_5034_1 Sheet 1/2

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			



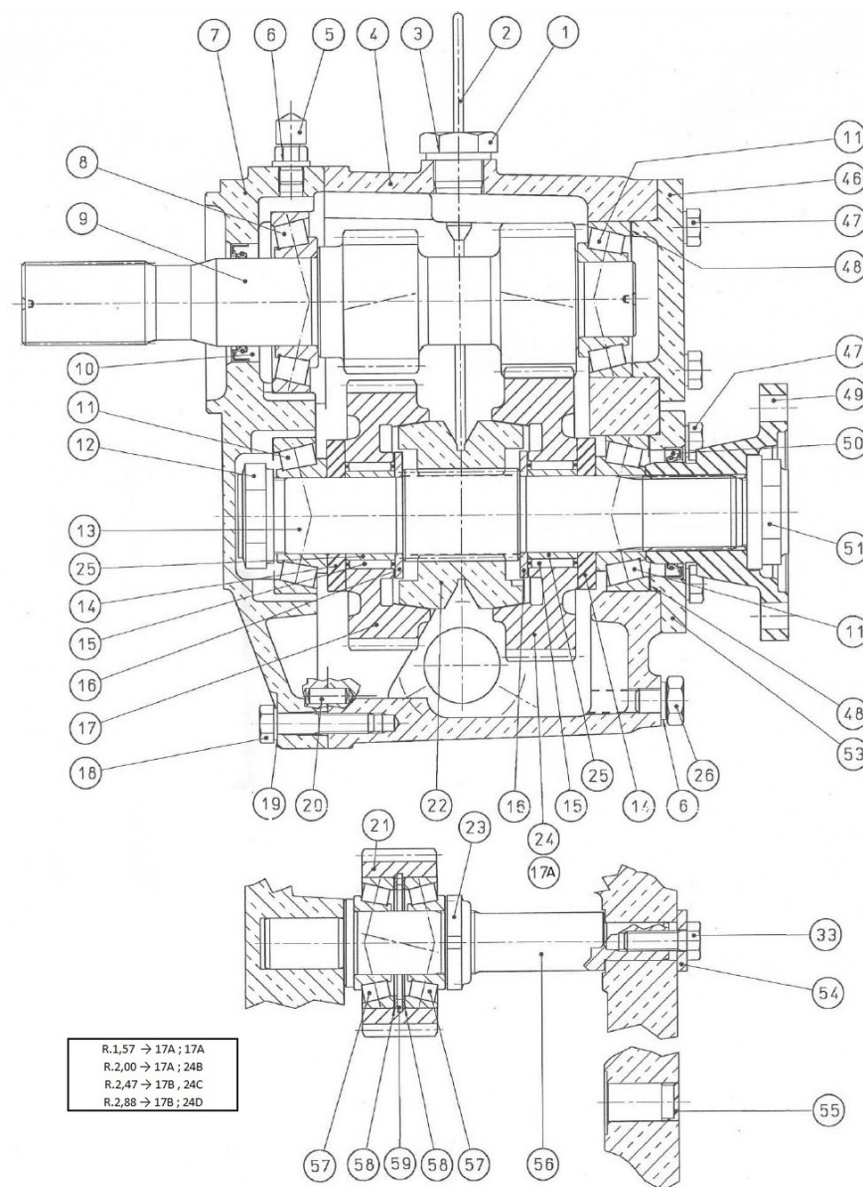
D_5034_2 Sheet 2/2

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			



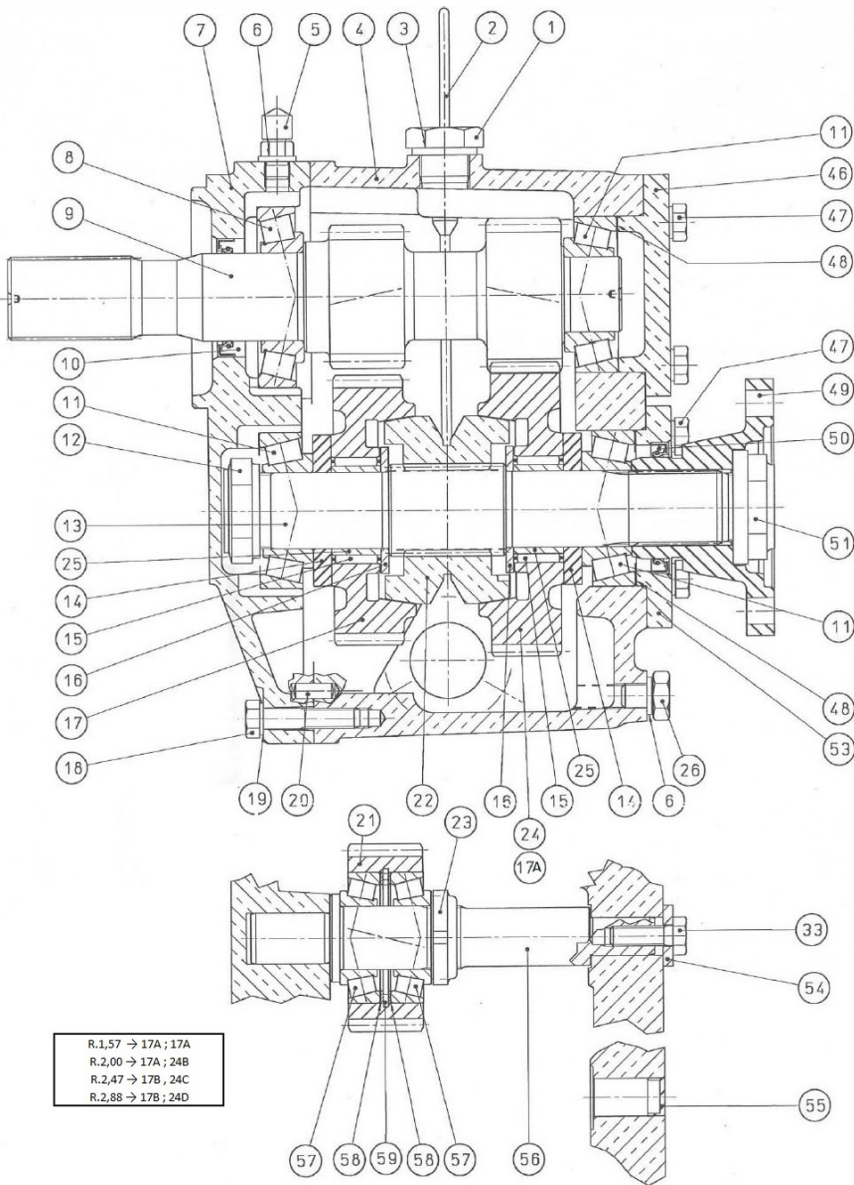
D_5032_1 Sheet 1/3

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

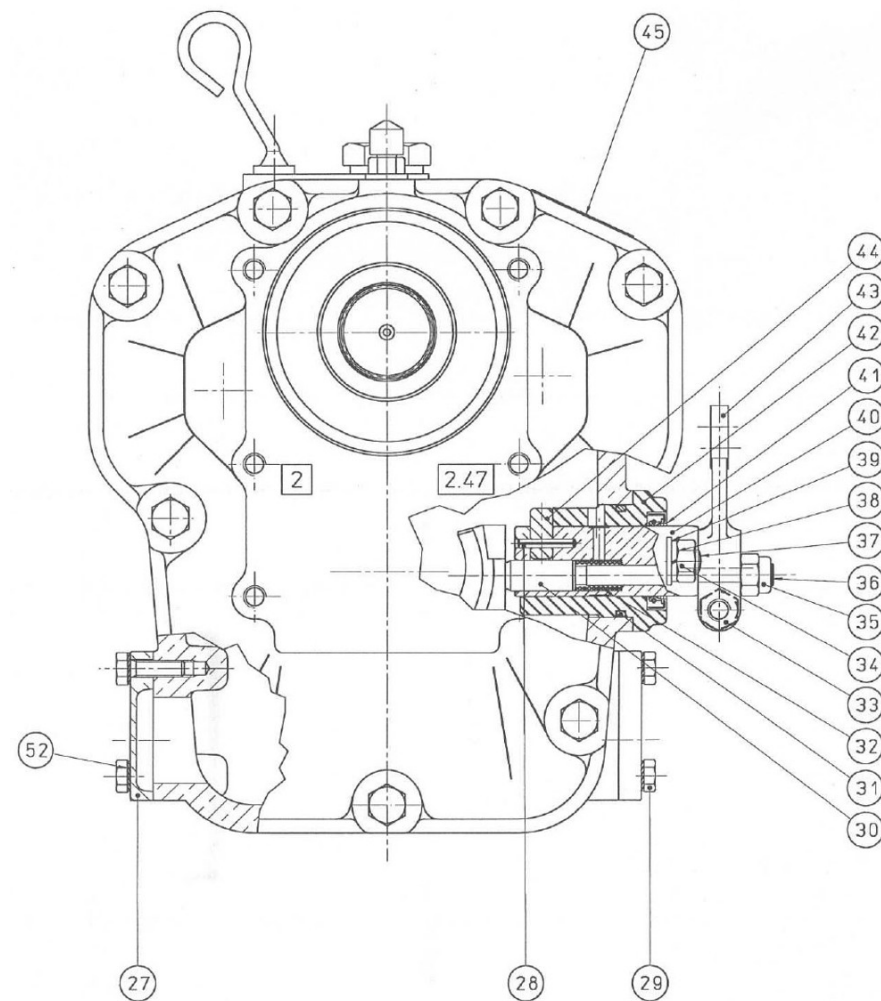
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
26	24850011	1	Plug,oil drain			
33	52102258	1	Bolt DIN 933 M8-25 8.8			
46	24890205	1	Cover			
47	52102259	8	Bolt DIN 933 M8-30 8.8			
48	24813500.67	6	Spacer			
49	24880224	1	Flange Output			22/11/2019
50	24890214	1	Oil Seal			
51	24850099	1	Nut			
53	24890208	1	Cover			
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

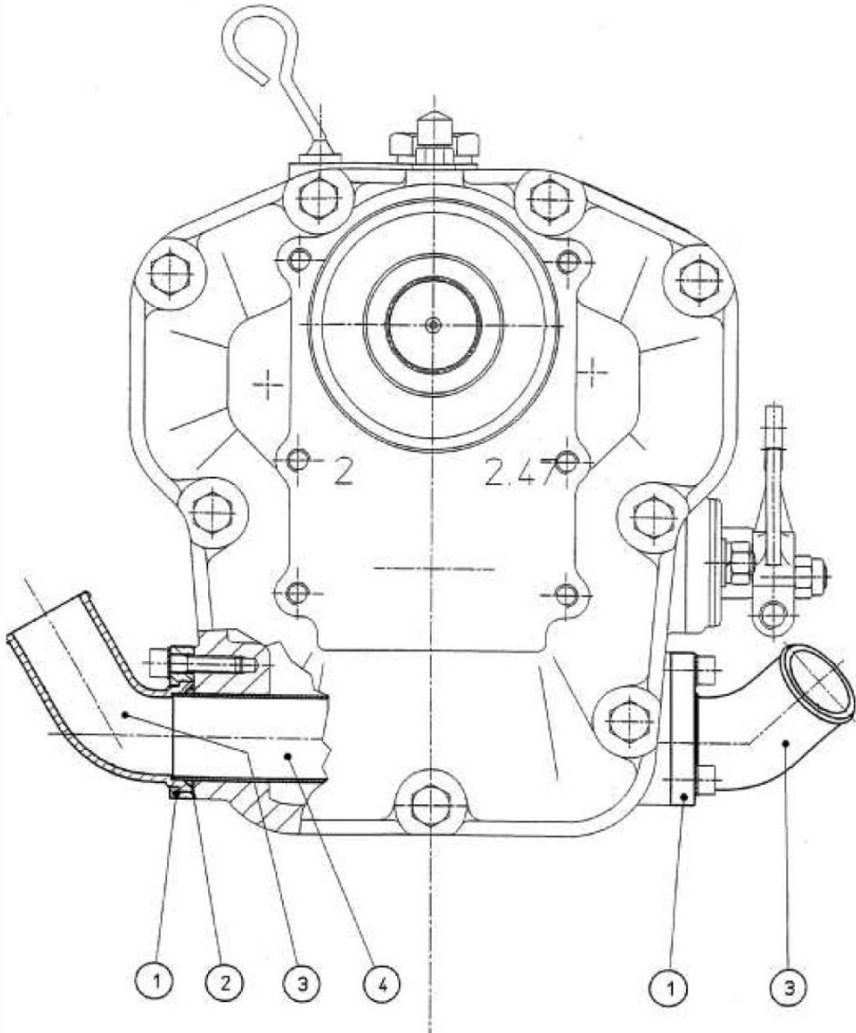
Sheet 2/3

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			



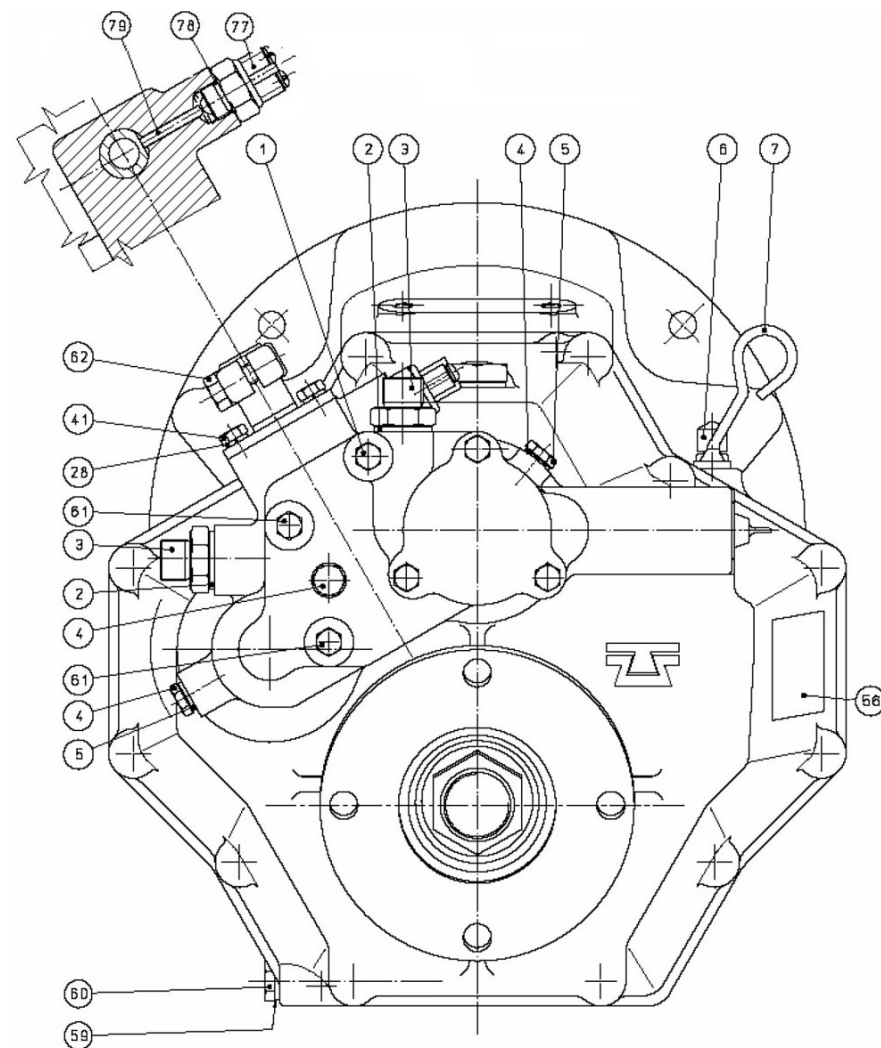
D_5032_3 Cooling System 3/3

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			



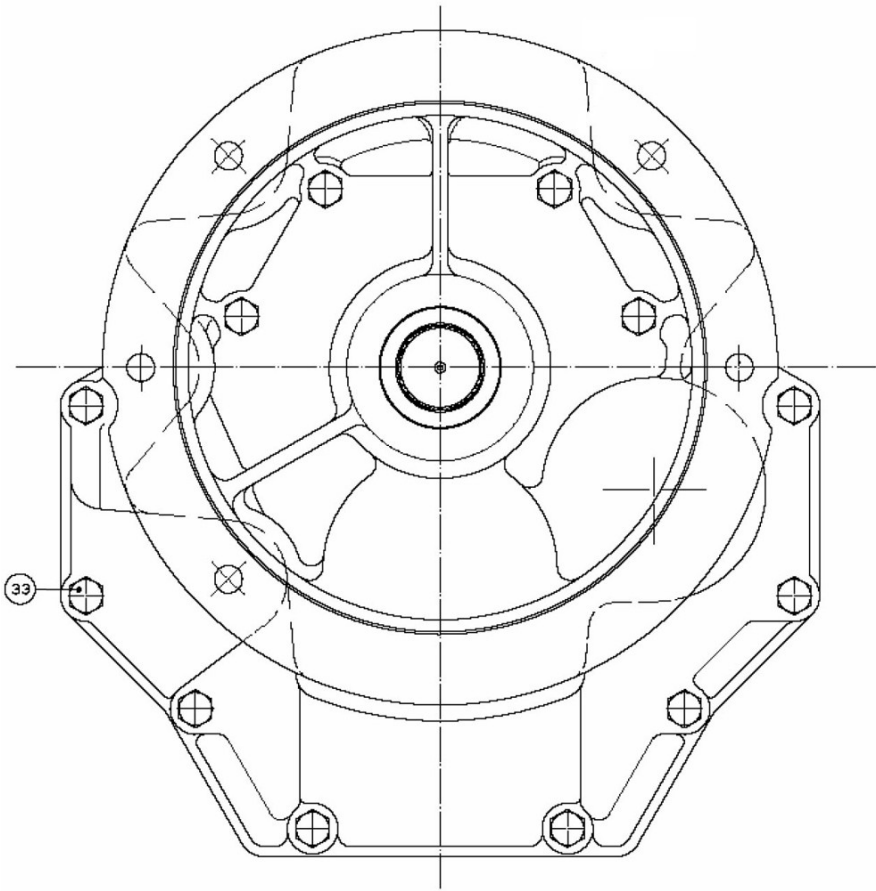
D_5023_1 Sheet 1/4

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



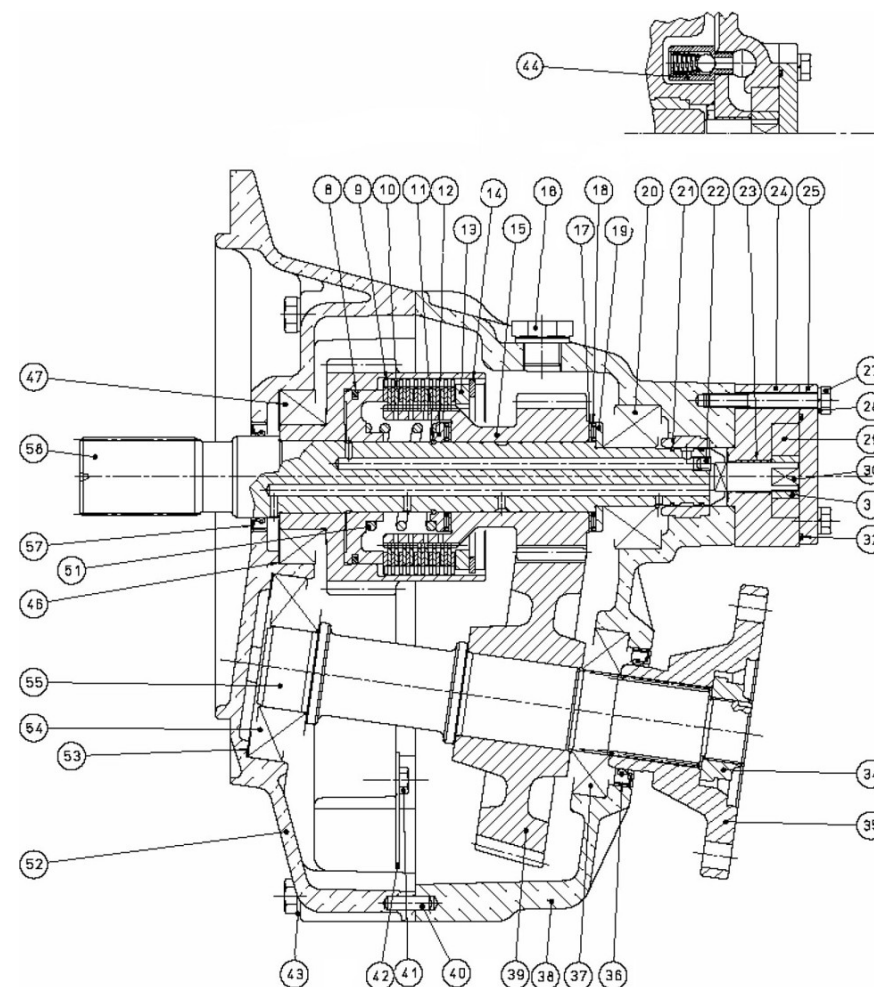
D_5023_2 Sheet 2/4

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



D_5023_3 Sheet 3/4

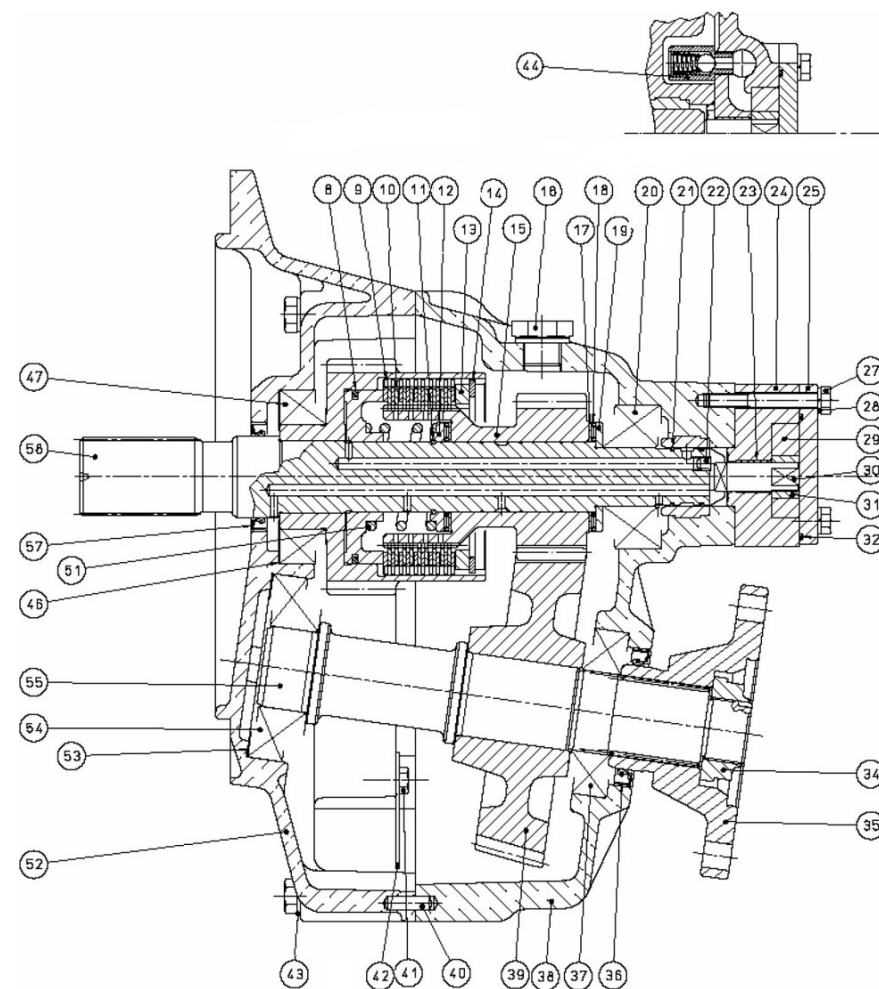
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
8	24850323	2	Washer			
11	24850310	2	Ring			
12	24850307	2	Ring			
13	24850333	2	Spacer			
14	24850312	2	SEGER			
15A	24852203	1	Gear R. 1,54 TM 345			
15B	24853203	1	Gear R. 2 TM 345			
15C	24854203	1	Gear R. 2,47 TM 345			
16	24850012	1	Plug			
17	24850318	4	Ring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



D_5023_3

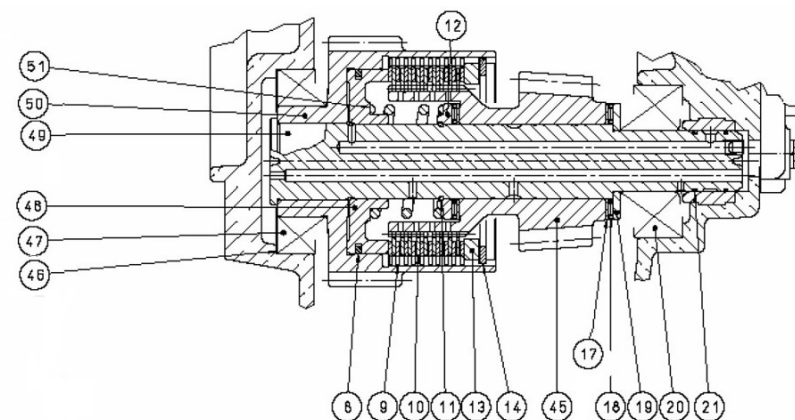
Sheet 3/4

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

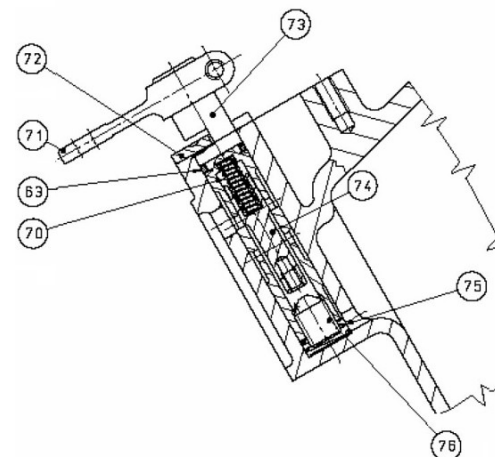


D_5023_4 Sheet 4/4

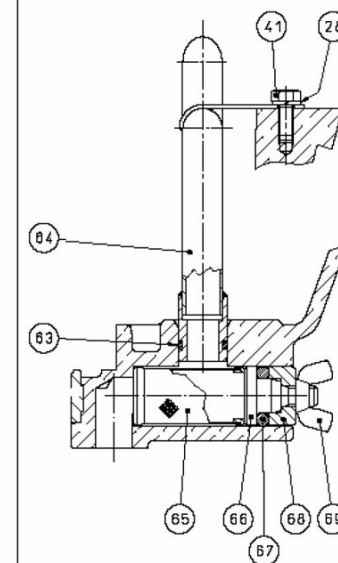
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
45A	24852203	1	Gear R. 1,54 TM 345			
45B	24853203	1	Gear R. 2 TM 345			
45C	24854203	1	Gear R. 2,47 TM 345			
48	24850124	2	Piston			
49	24850301	1	INTERMEDIATE Shaft			
50	24850330	1	Bell			
63	24810045	2	O-Ring D. 15,08X2,62			
64	24850081	1	Aspiration Tube			
65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



INTERMEDIATE SHAFT ASSEMBLY

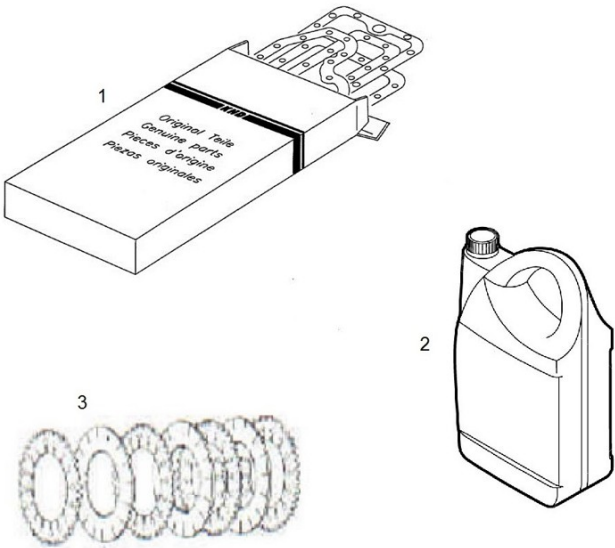


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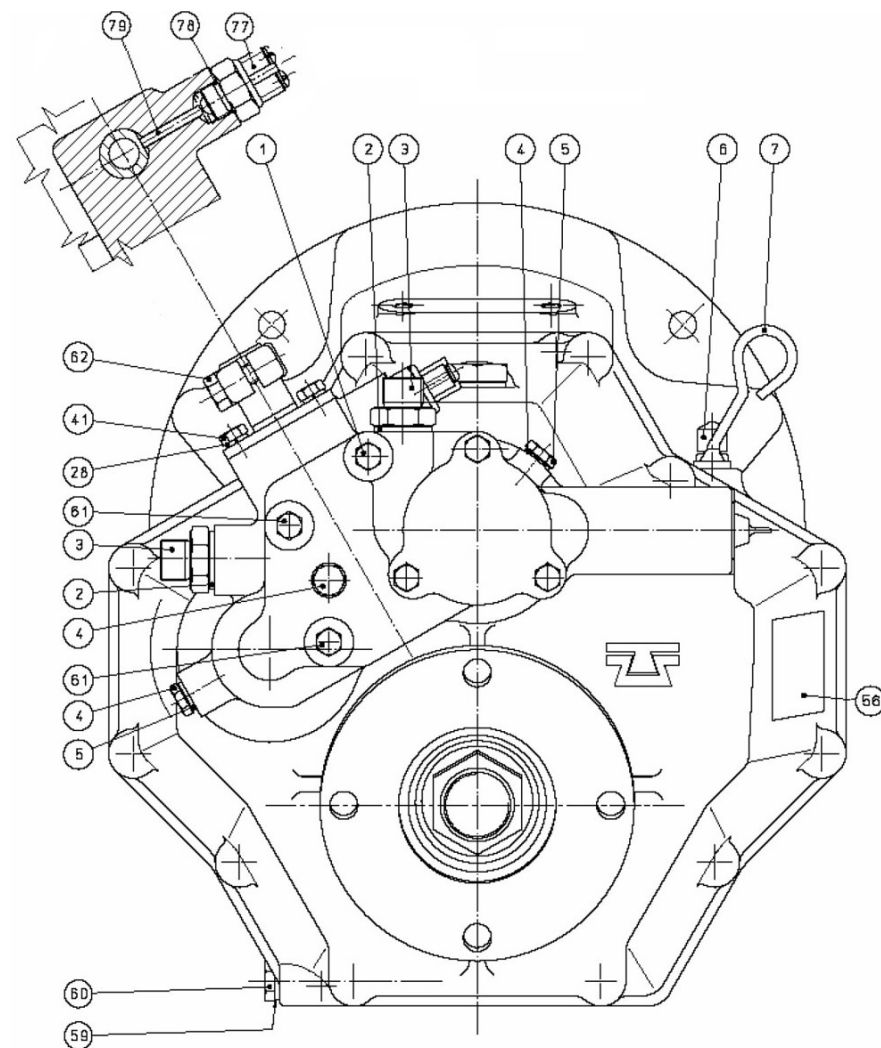
OIL FILTER ASSEMBLY

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



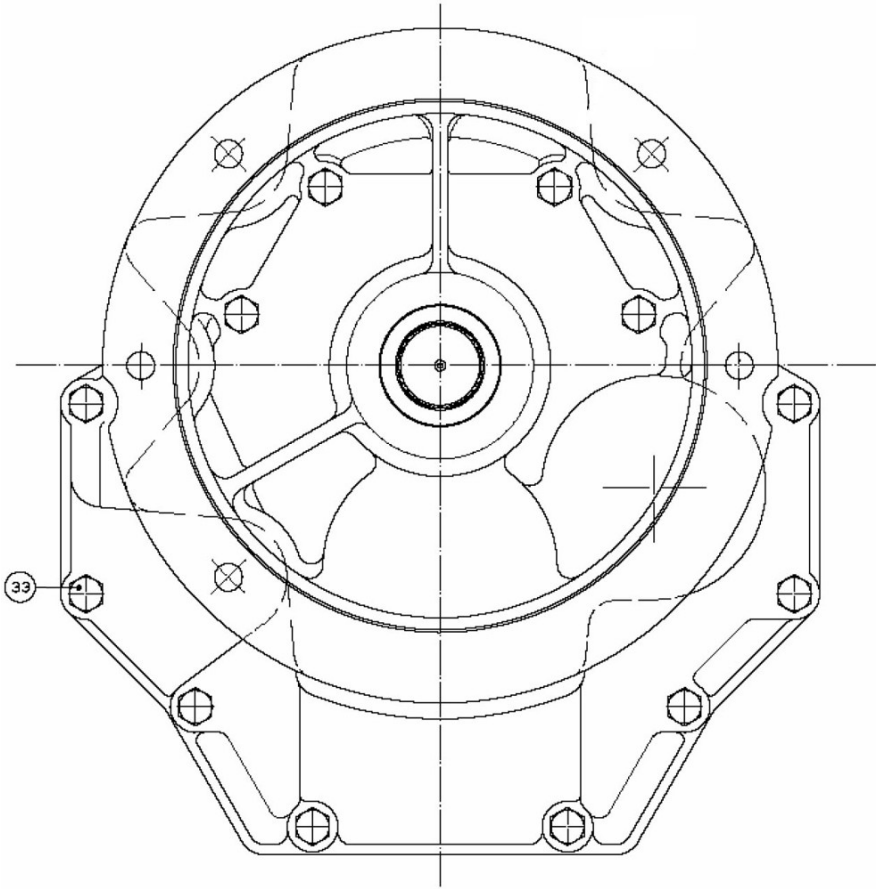
D_5024_1 Sheet 1/4

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



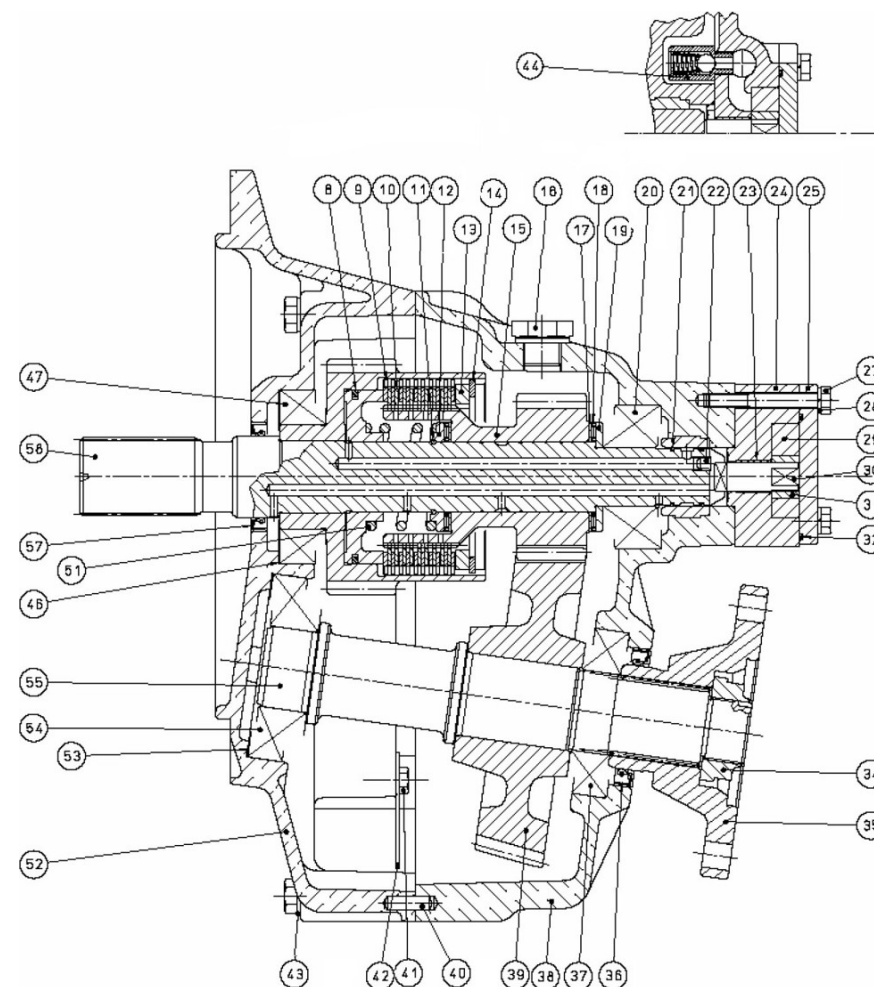
D_5024_2 Sheet 2/4

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



D_5024_3 Sheet 3/4

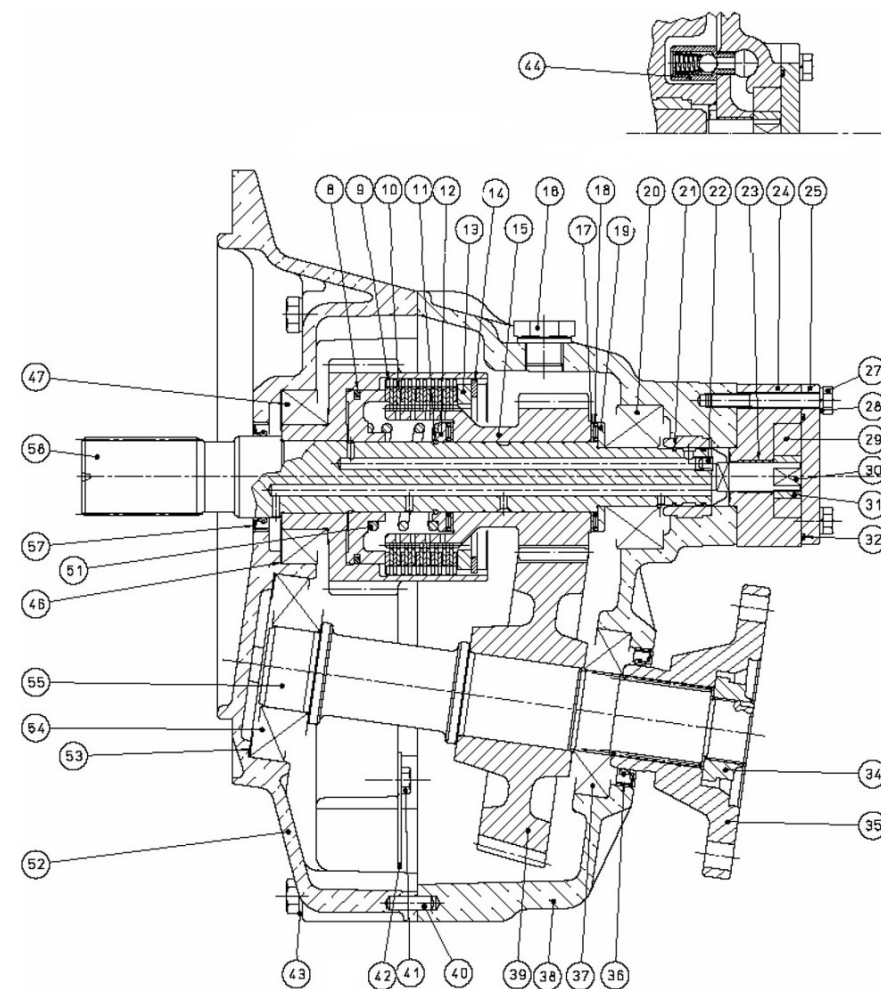
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
8	24850323	2	Washer			
11	24850310	2	Ring			
12	24850307	2	Ring			
13	24850333	2	Spacer			
14	24850312	2	SEGER			
15A	24852203A	1	Gear R. 1,54 TM 345A			
15B	24853203A	1	Gear Red. 2 TM 345A			
15C	24854203A	1	Gear R. 2,47 TM 345A			
16	24850012	1	Plug			
17	24850318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



D_5024_3

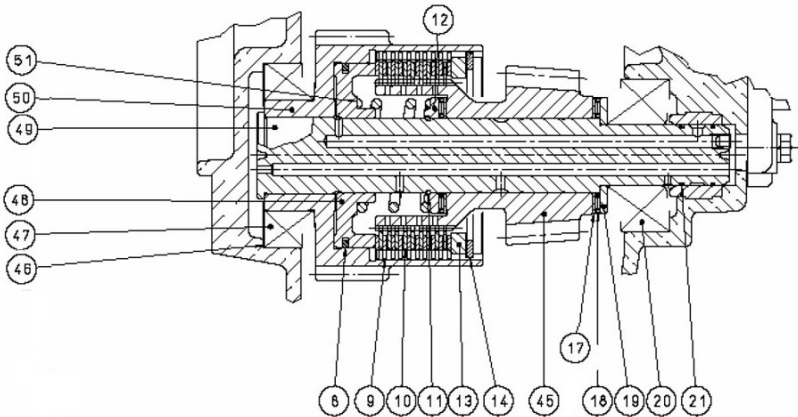
Sheet 3/4

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

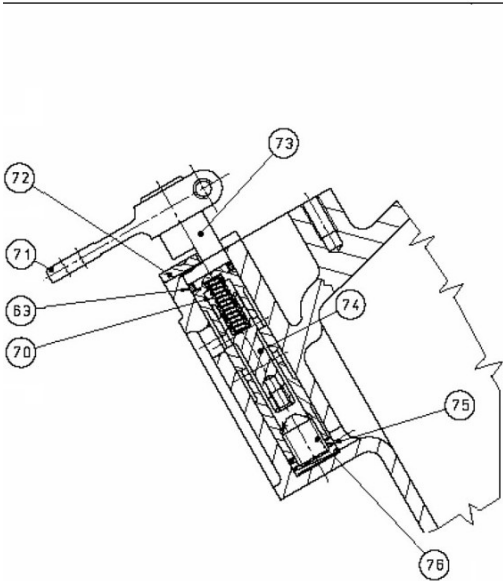


D_5024_4 Sheet 4/4

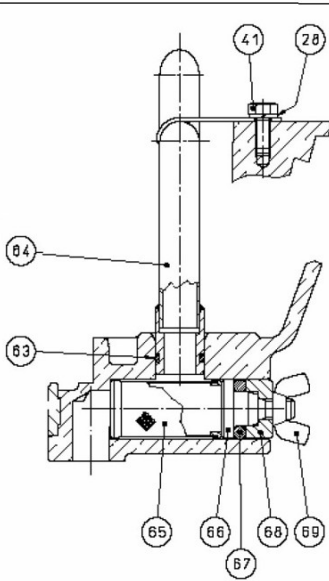
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
45A	24852302	1	Gear R. 1,54 TM 345A			
45B	24853302	1	Gear R. 2 TM 345A			
45C	24854302	1	Gear R. 2,47 TM 345A			
48	24850124	2	Piston			
49	24850301	1	INTERMEDIATE Shaft			
50	24850330	1	Bell			
63	24810045	2	O-Ring D. 15,08X2,62			
64	24850081	1	Aspiration Tube	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



INTERMEDIATE SHAFT ASSEMBLY

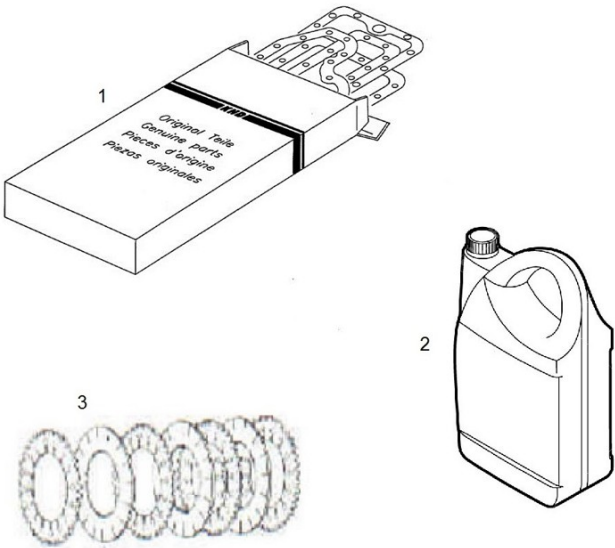


SELECTOR VALVE ASSEMBLY



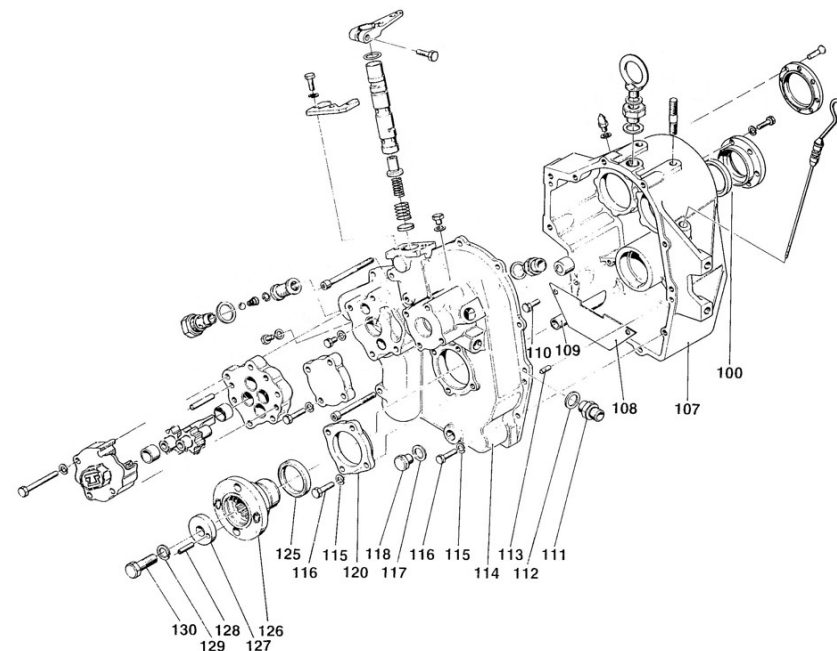
OIL FILTER ASSEMBLY

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



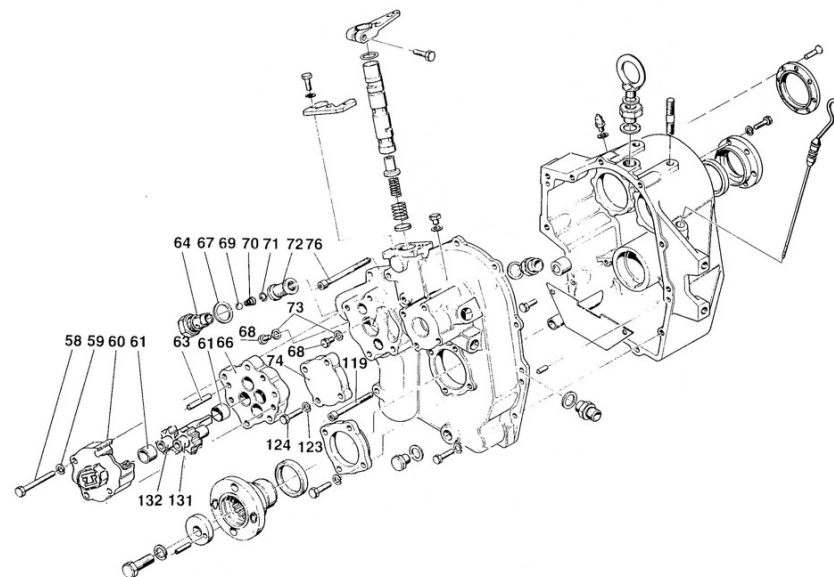
D_5030_1.1 Sheet 1.1/4

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



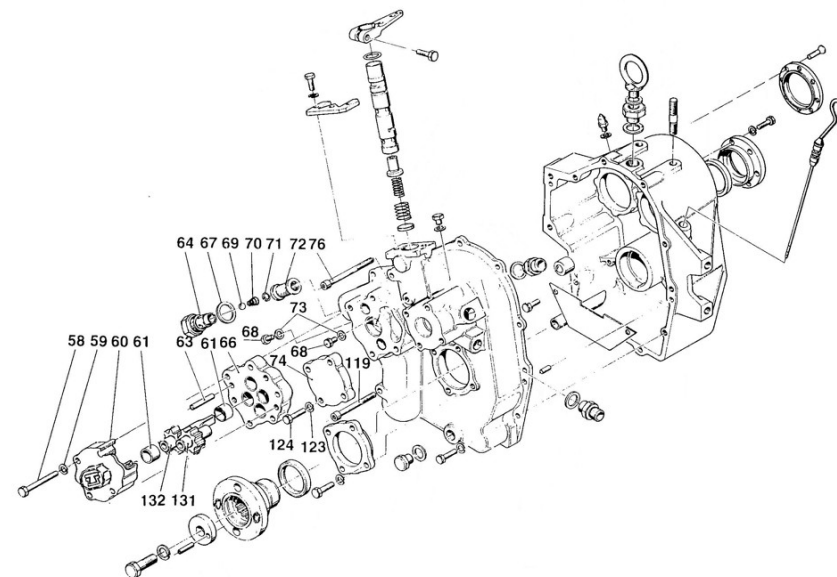
D_5030_1.2 Sheet 1.2/4

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



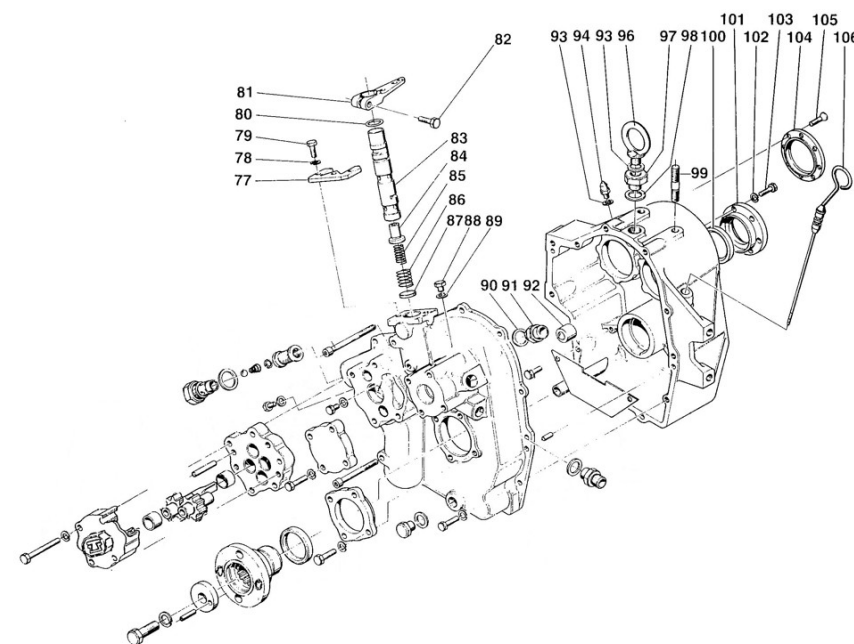
D_5030_1.2 Sheet 1.2/4

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



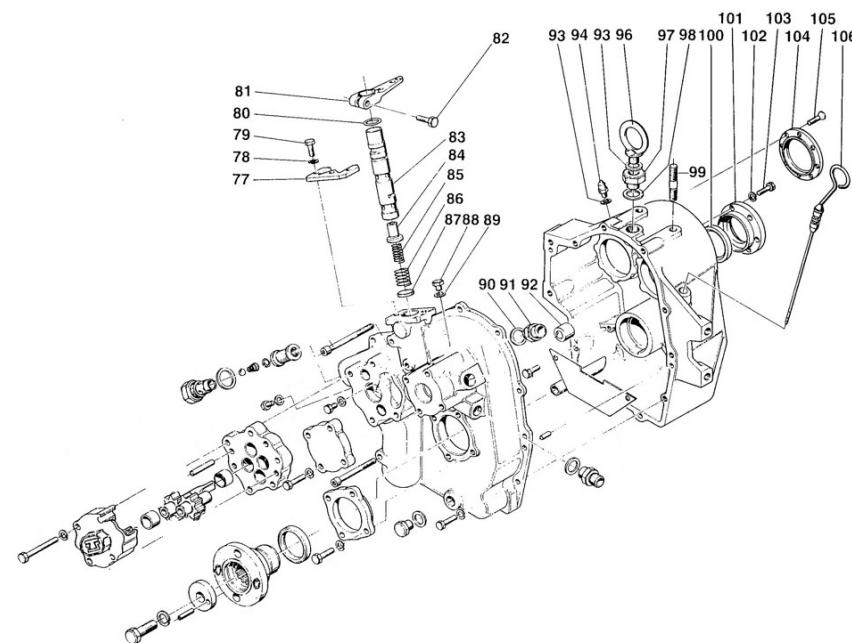
D_5030_1.3 Sheet 1.3/4

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



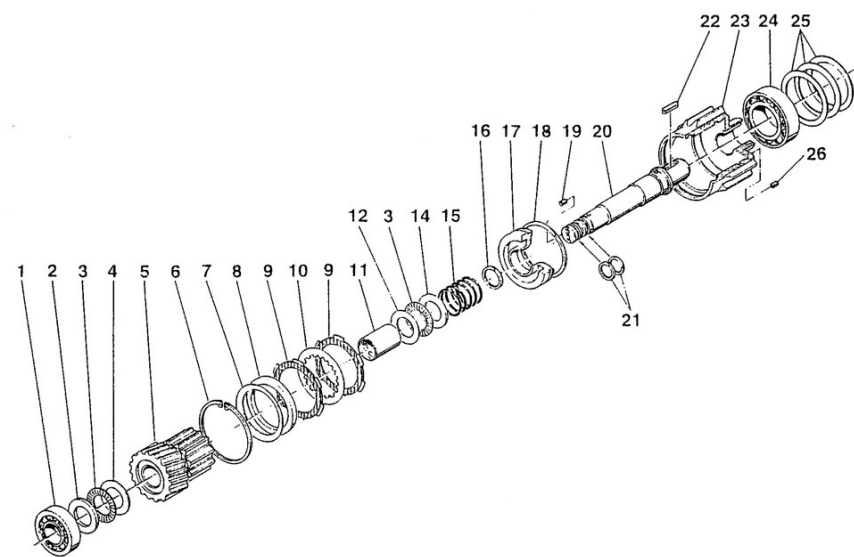
D_5030_1.3 Sheet 1.3/4

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

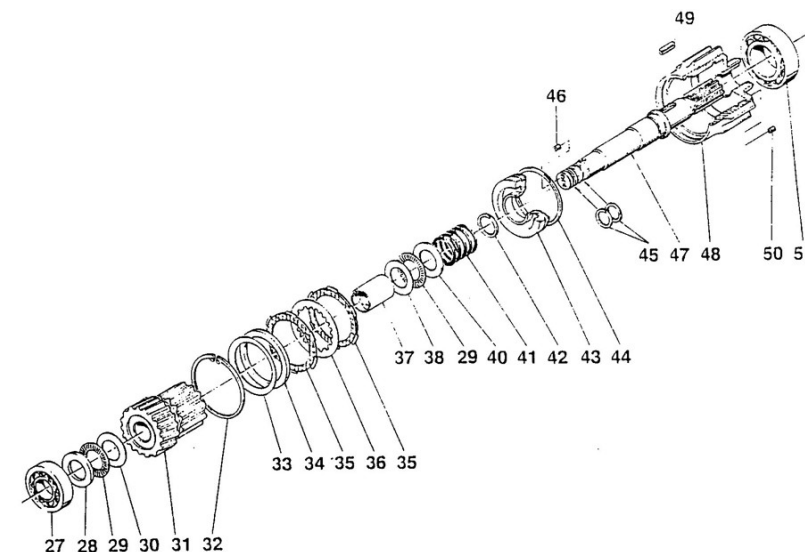


D_5030_2 Intermediate Shaft 2/4

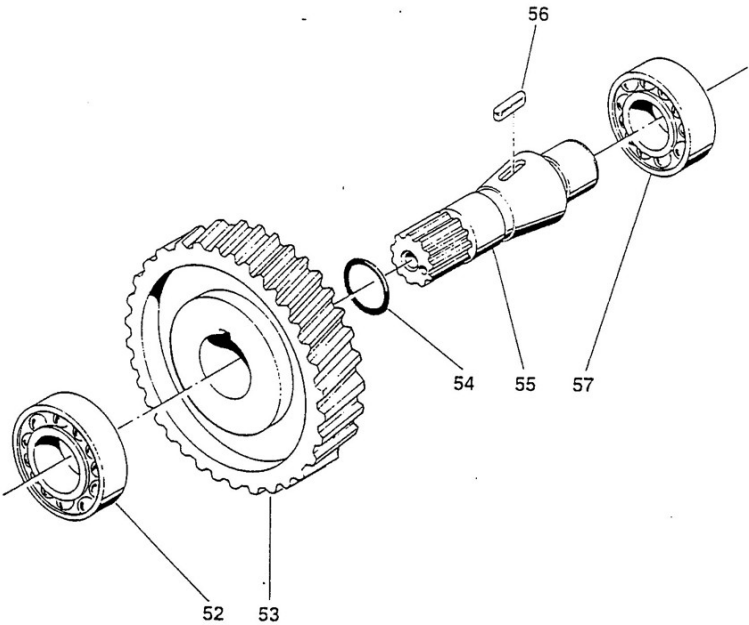
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	24870207	1	Bearing			
2	24810307	1	Washer			
3	24810309	2	Roller			
4	24810310	1	Ring			
5A	24812302	1	Gear R. 1,5 TM 93			
5B	24813302	1	Gear R. 2 TM 93			
5C	24814302	1	Gear R. 2,4 TM 93			
5D	24815302	1	Gear R. 2,8 TM 93			
6	24810312	1	SNAP Ring			
7	24810313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



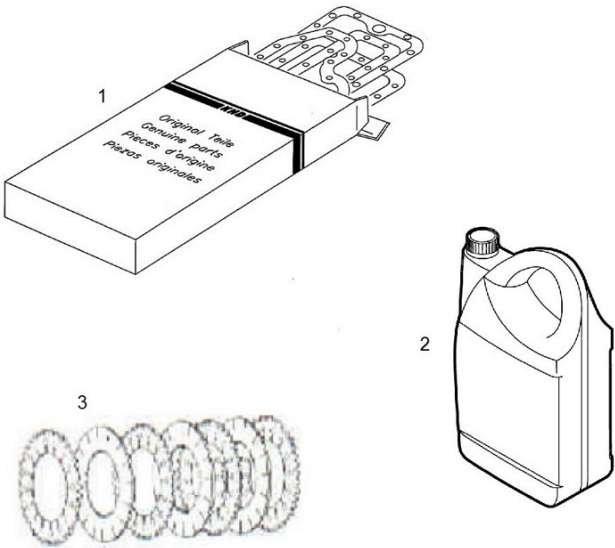
D_5030_3		Input Shaft 3/4			
Fig.	Ref.	Qty.	Descr.	Obs	From UpTo
27	24870207	1	Bearing		
28	24810307	1	Washer		
29	24810309	2	Roller		
30	(*)	1	Not available		
31A	24812302	1	Gear R. 1,5 TM 93		
31B	24813302	1	Gear R. 2 TM 93		
31C	24814302	1	Gear R. 2,4 TM 93		
31D	24815302	1	Gear R. 2,8 TM 93		
32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



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



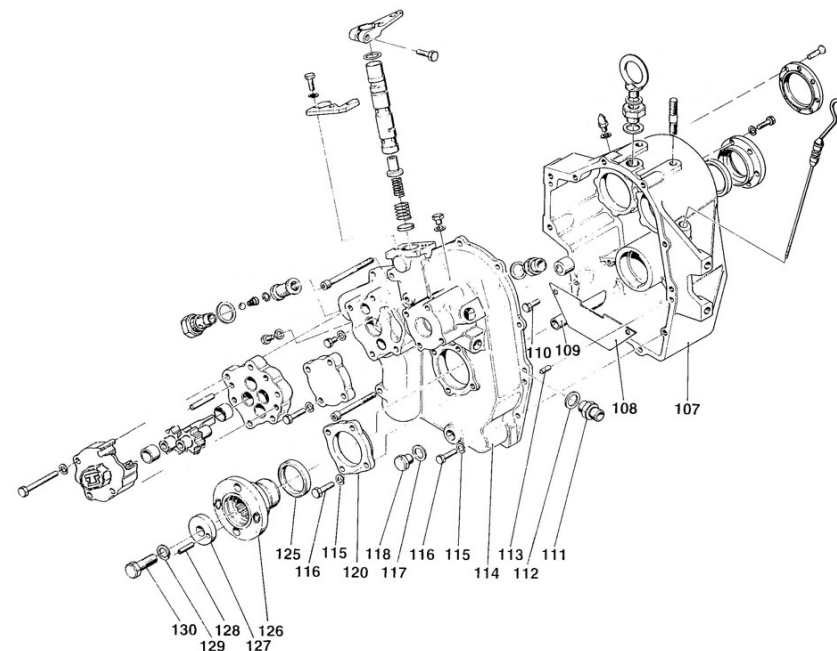
D_5030_5		Maintenance Kit				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	24810401	1	Kit Gasket			
2	A0105000	1	15W40 Sole Diesel Oil 5L			
3	24810403	2	Clutch Plate Kit			



D_5031_1.1

Sheet 1.1/4

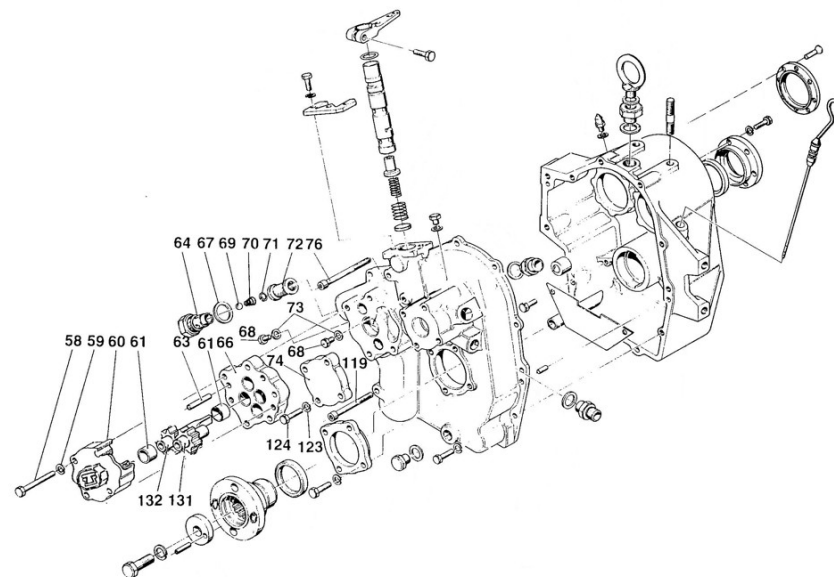
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
107	24810001A	1	Front Body TM 93A			
108	24810080	1	Plate Pipe			
109	24810081	1	ASPIRATION Tube			
110	24810082	2	Screw			
111	24810060	1	Racord			
112	24810059	1	Plane Washer			
113	24810085	2	Pin			
114	24810002A	1	Reverse Body TM 93A			
115	53033008	13	Washer GROWER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



D_5030_1.2

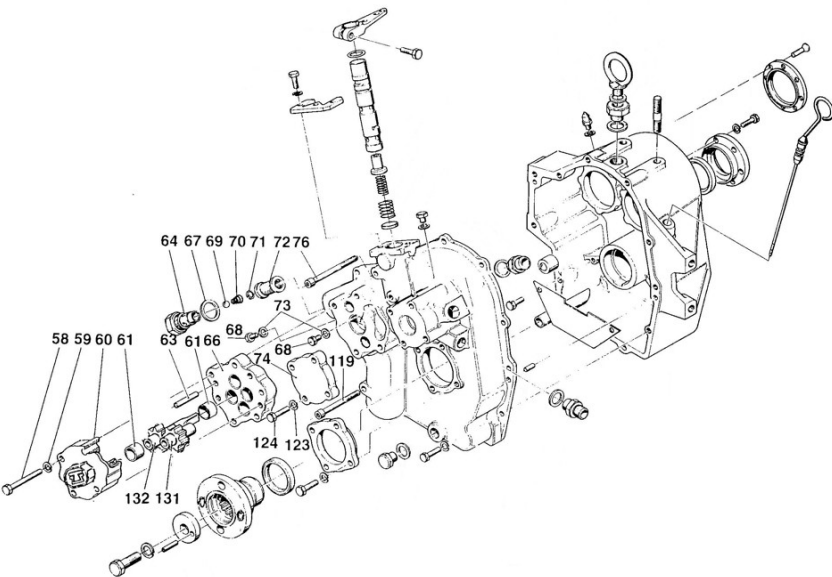
Sheet 1.2/4

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



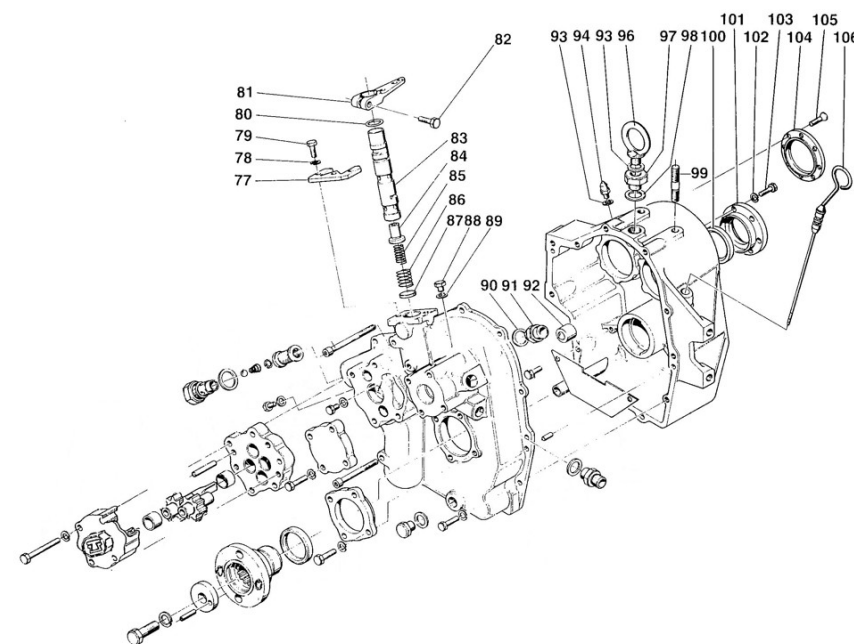
D_5030_1.2		Sheet 1.2/4				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo

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



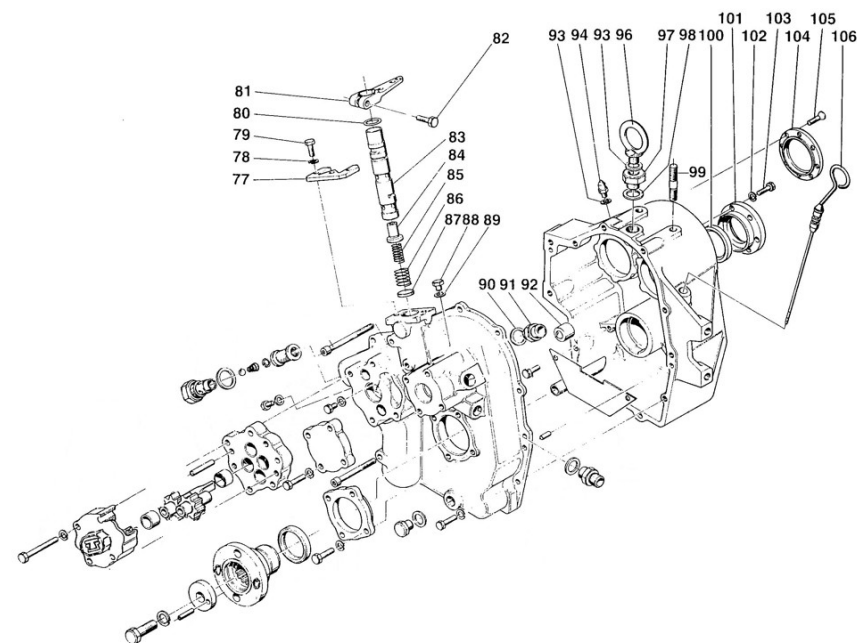
D_5030_1.3 Sheet 1.3/4

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



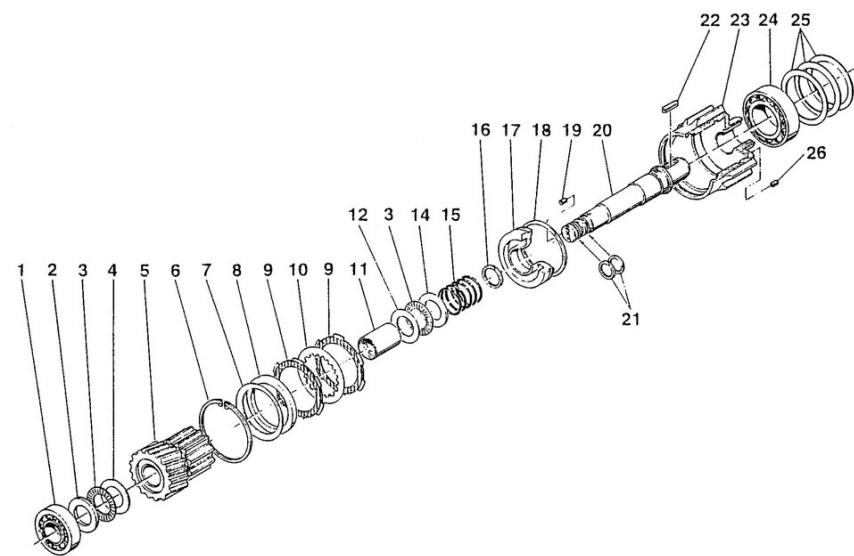
D_5030_1.3 Sheet 1.3/4

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

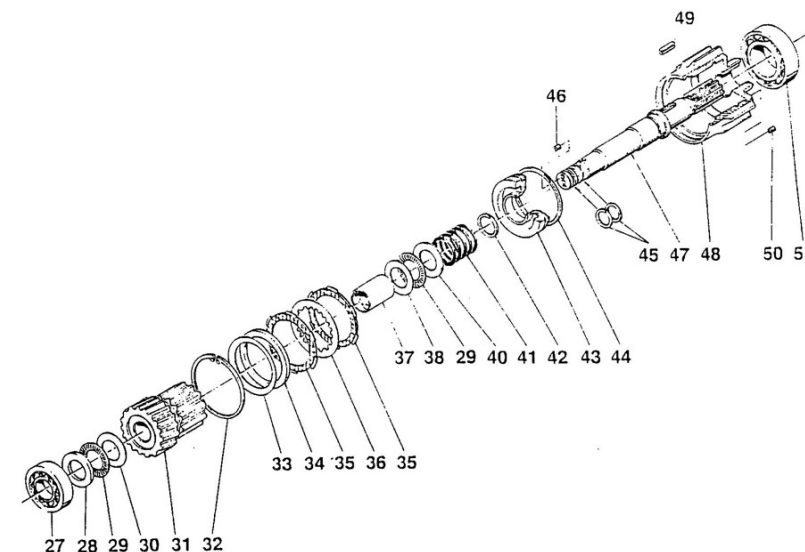


D_5031_2 Intermediate Shaft 2/4

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

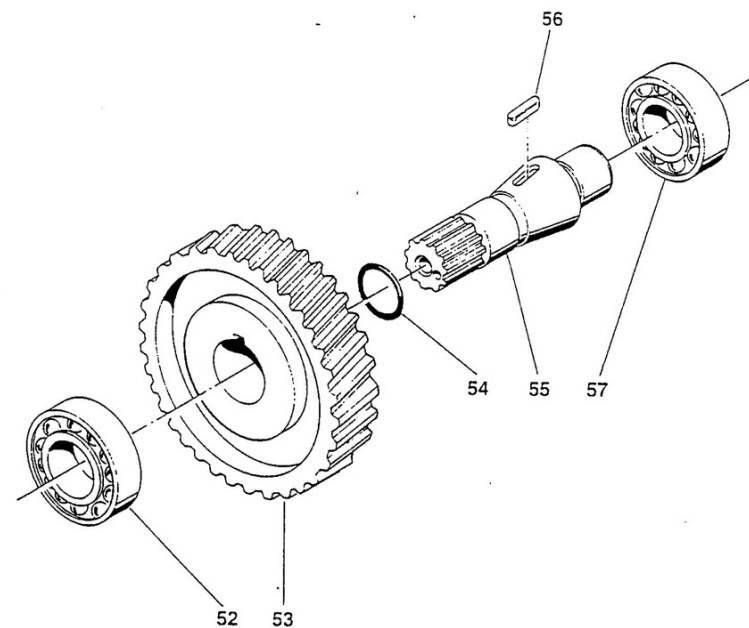


D_5031_3		Input Shaft 3/4			
Fig.	Ref.	Qty.	Descr.	Obs	From UpTo
27	24870207	1	Bearing		
28	24810307	1	Washer		
29	24810309	2	Roller		
30	(*)	1	Not available		
31	24812302	1	Gear R. 1,5 TM 93		
31	24813302	1	Gear R. 2 TM 93		
31	24814302	1	Gear R. 2,4 TM 93		
32	24810312	1	SNAP Ring		
33	24810313	1	Ring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



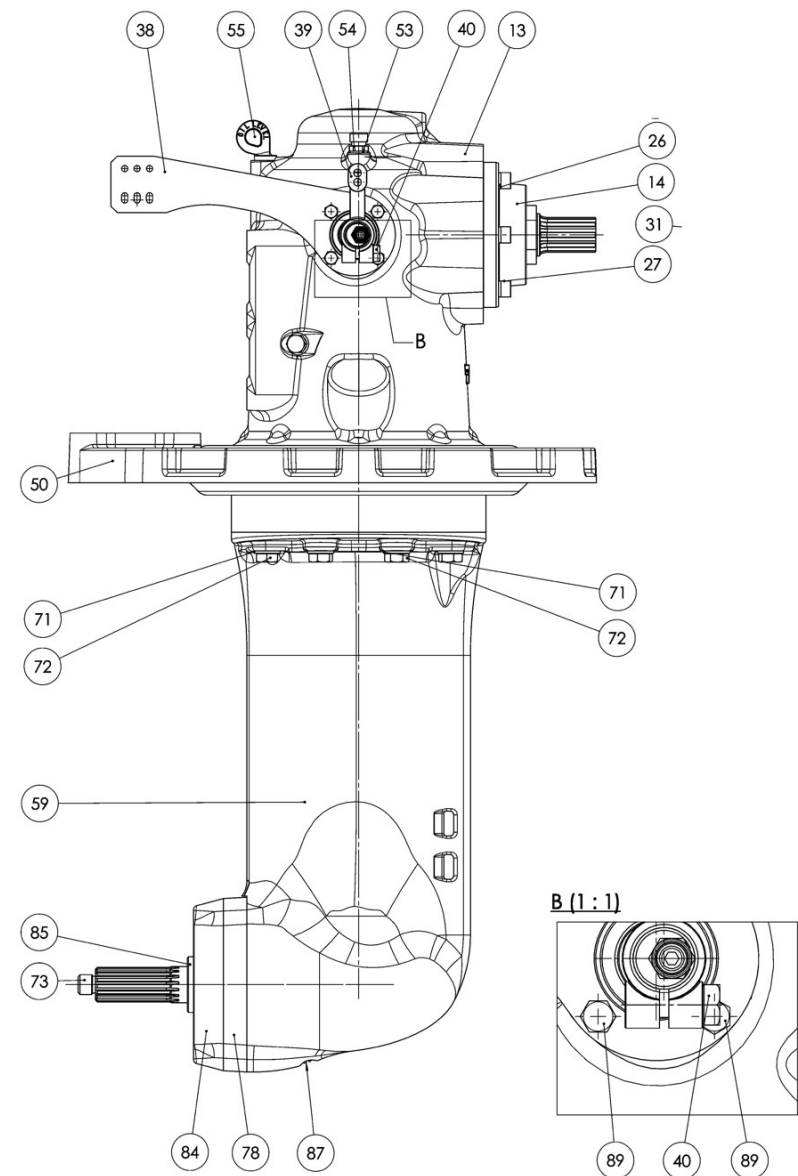
D_5031_4 Output Shaft 4/4

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



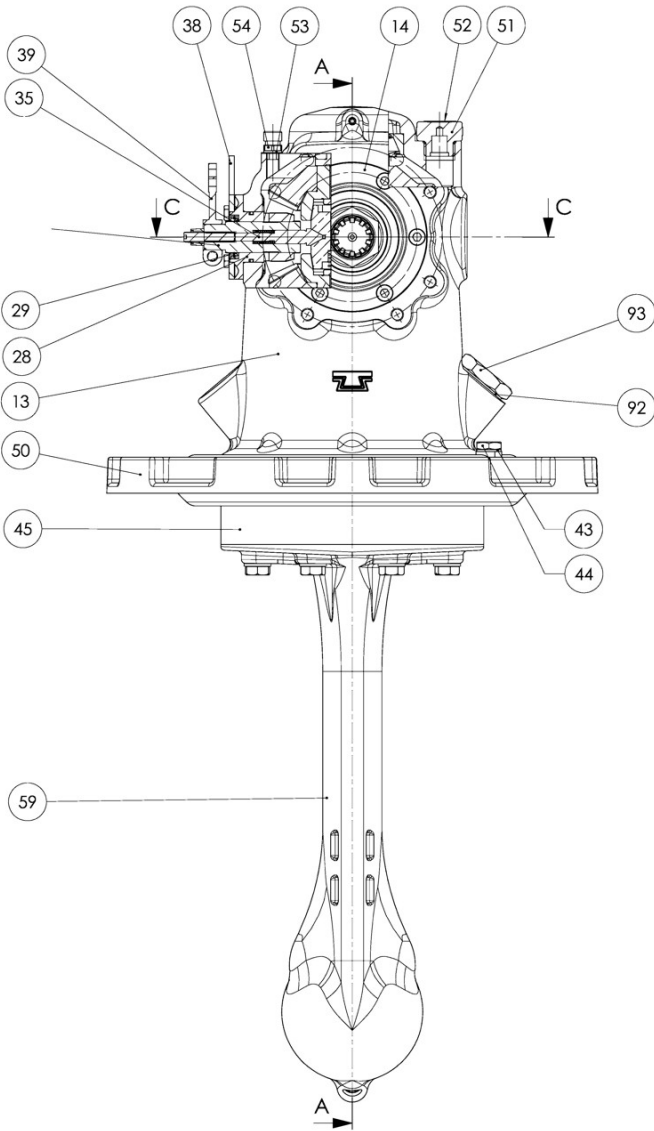
D_5037_1		Sheet 1/4 SP60 S.Drive V1				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo

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			



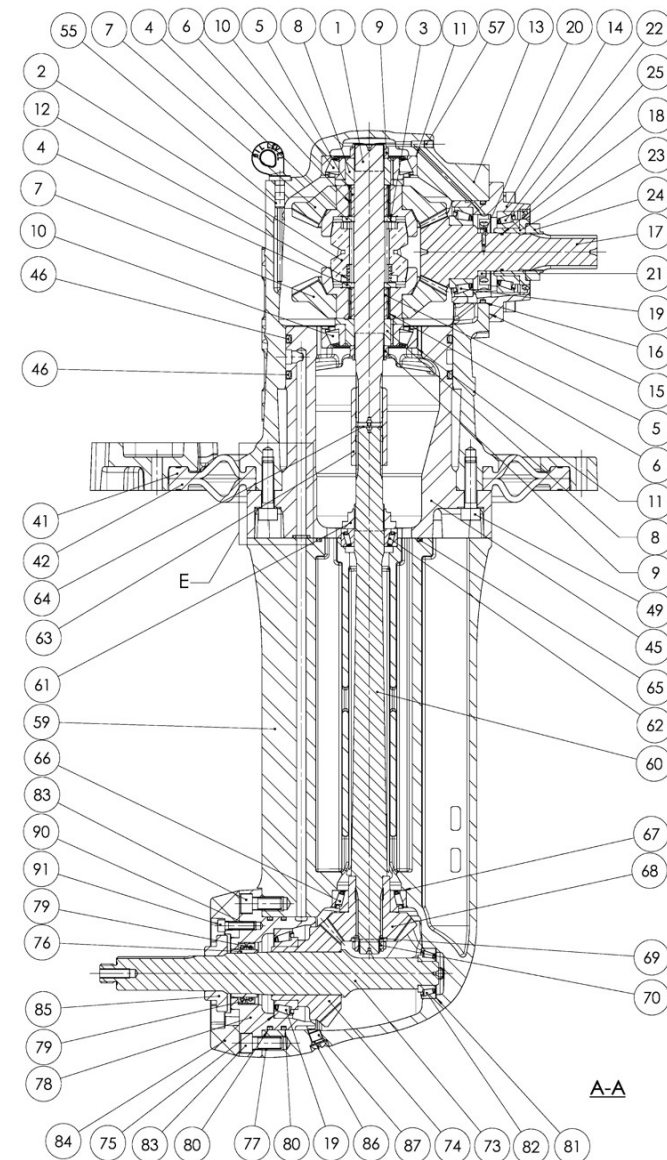
D_5037_2 Sheet 2/4 SP60 S.Drive V1

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			



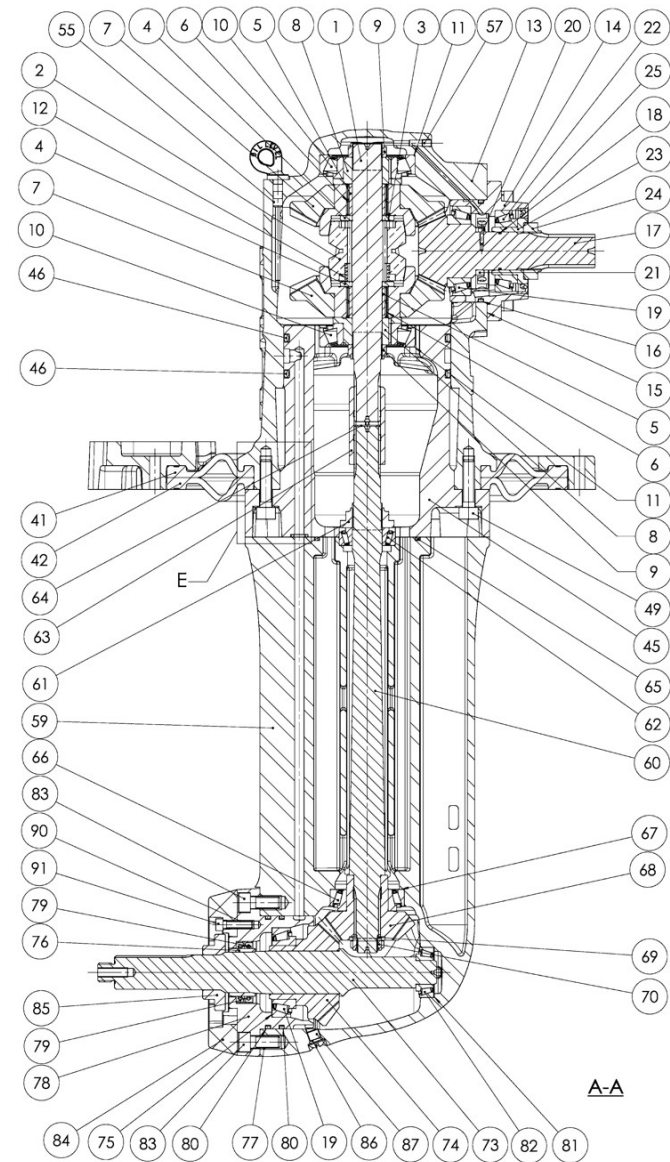
D_5037_3 **Sheet 3/4 SP60 S.Drive V1**

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			



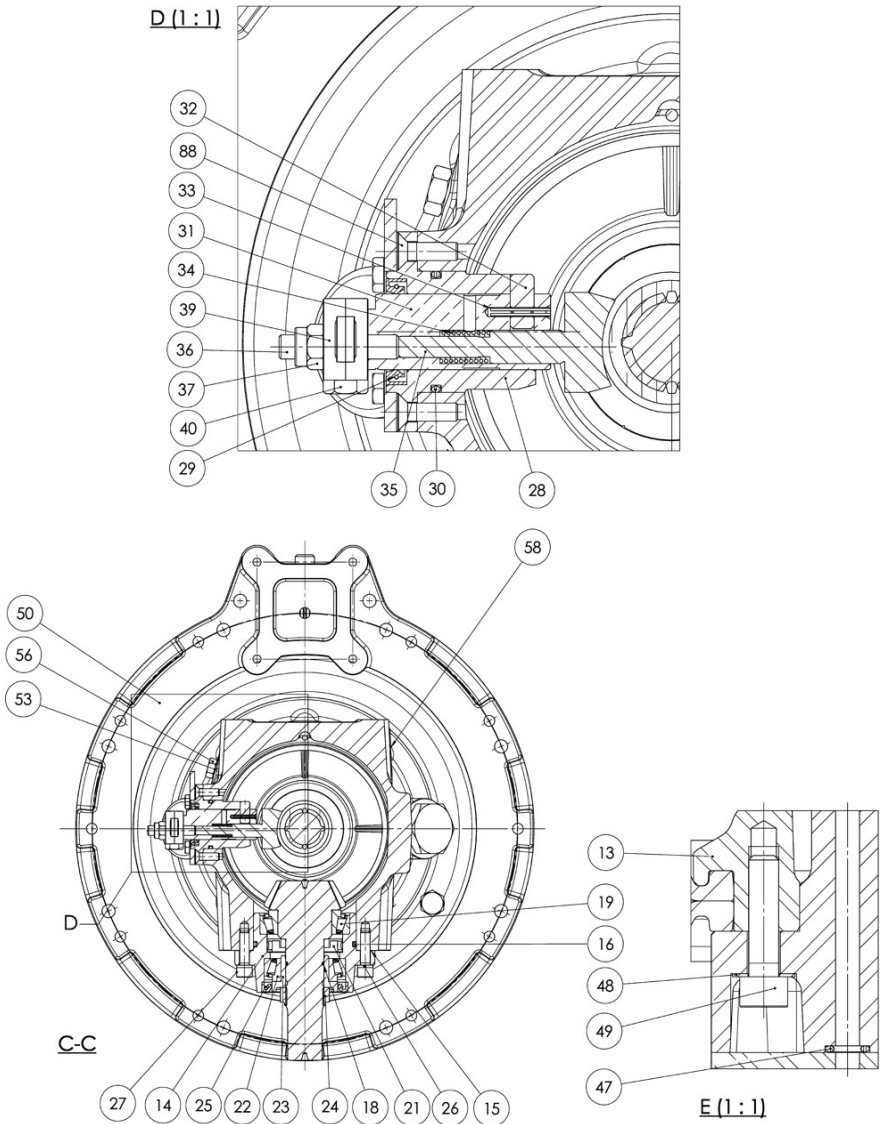
D_5037_3 Sheet 3/4 SP60 S.Drive V1

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			



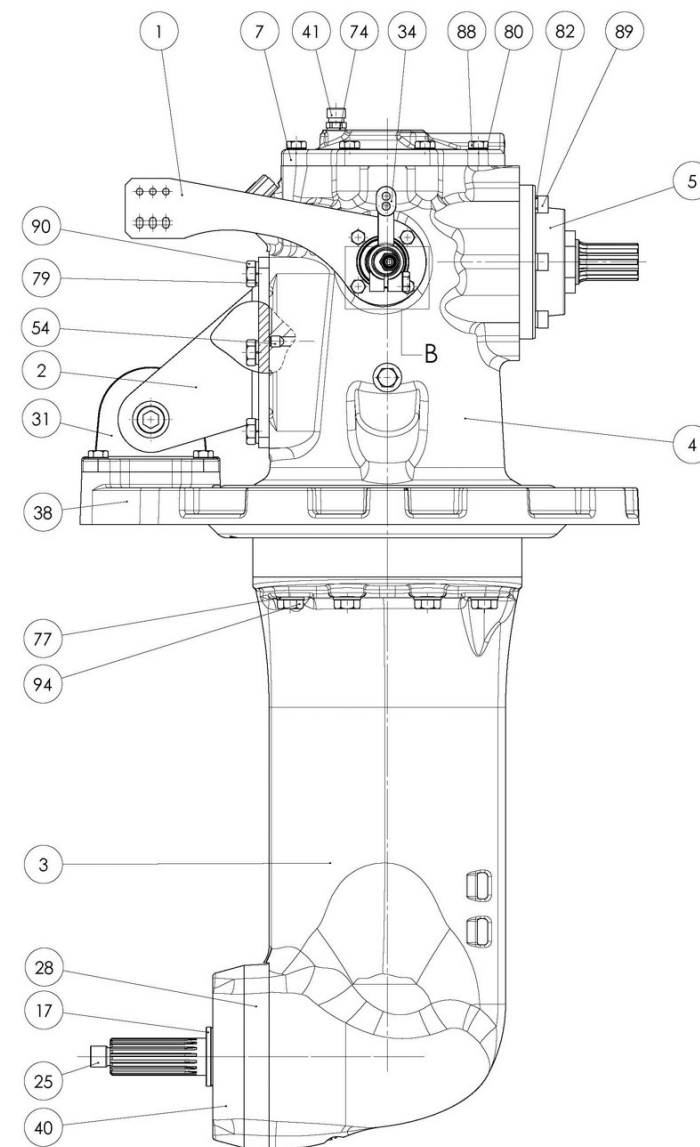
D_5037_4 Sheet 4/4 SP60 S.Drive V1

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			



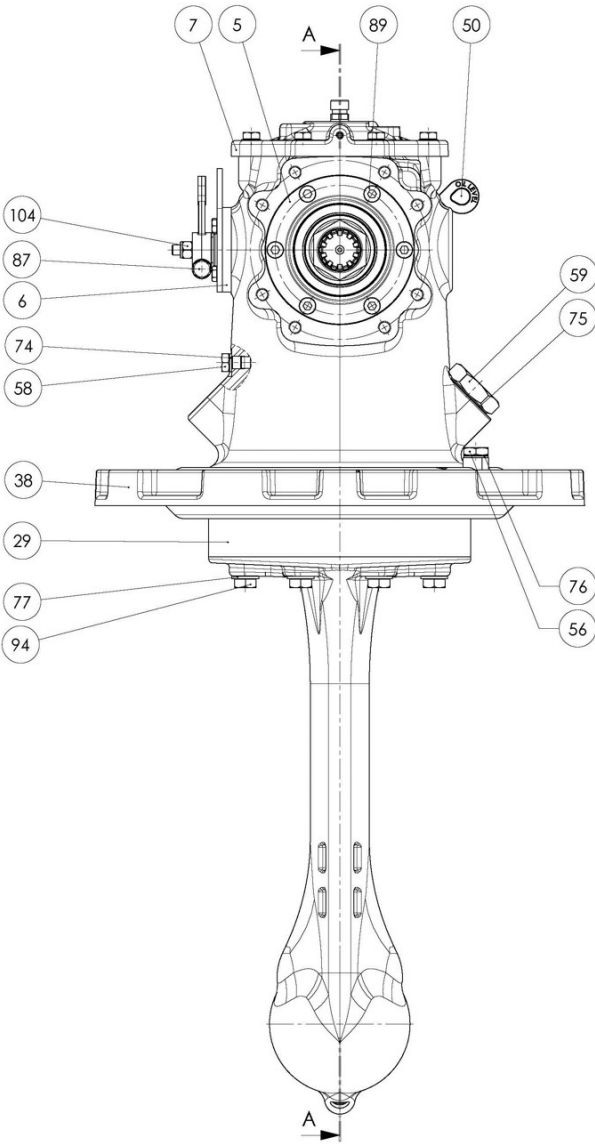
D_5037_6 Sheet 1/4 SP60 S.Drive V2

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			



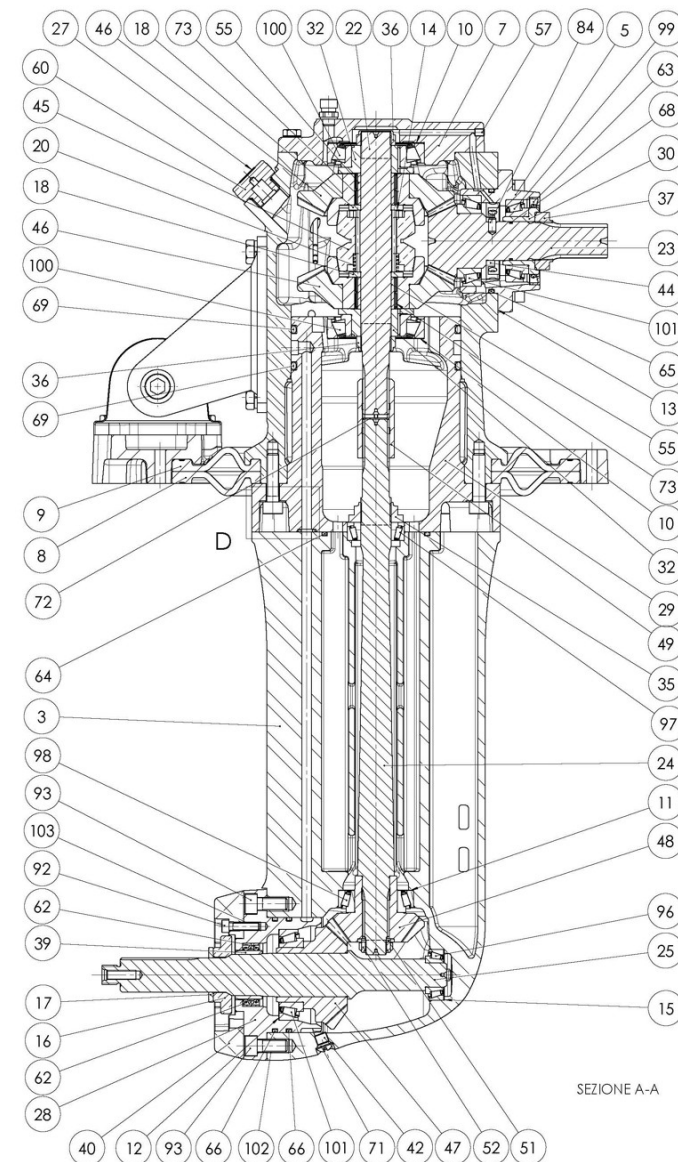
D_5037_7 Sheet 2/4 SP60 S.Drive V2

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	



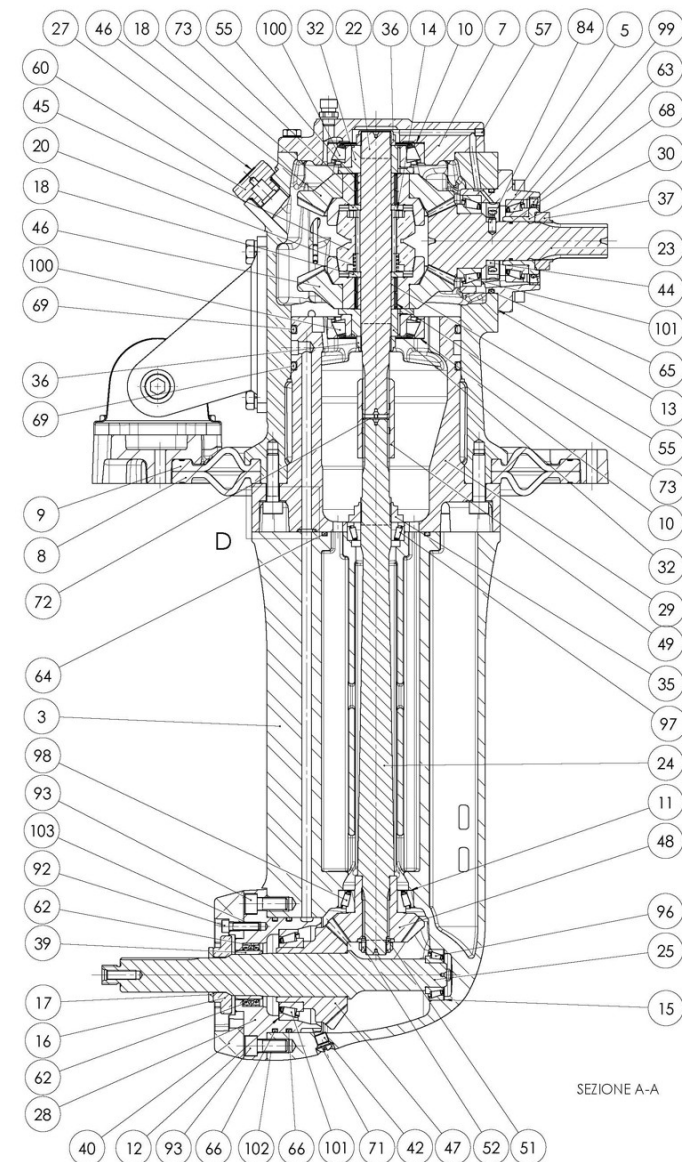
D_5037_8 Sheet 3/4 SP60 S.Drive V2

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	



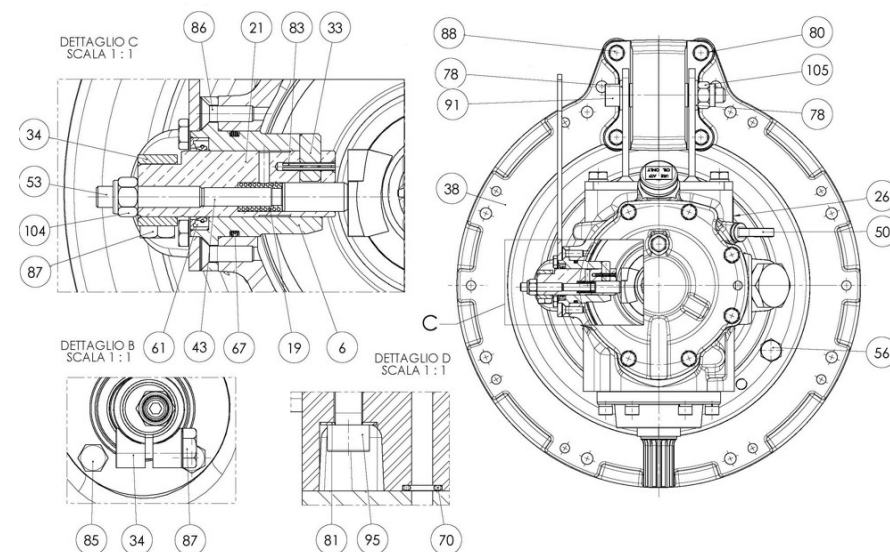
D_5037_8 Sheet 3/4 SP60 S.Drive V2

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			

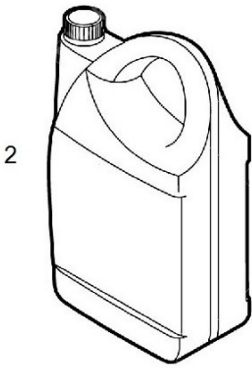
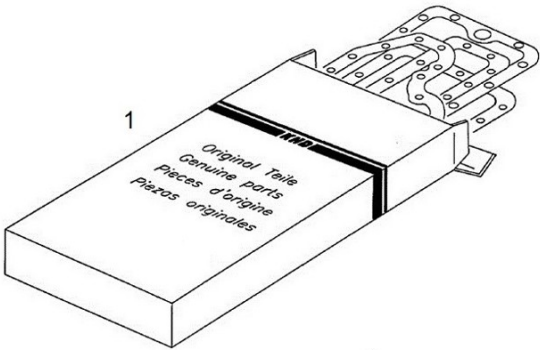


D_5037_9 Sheet 4/4 SP60 S.Drive V2

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	

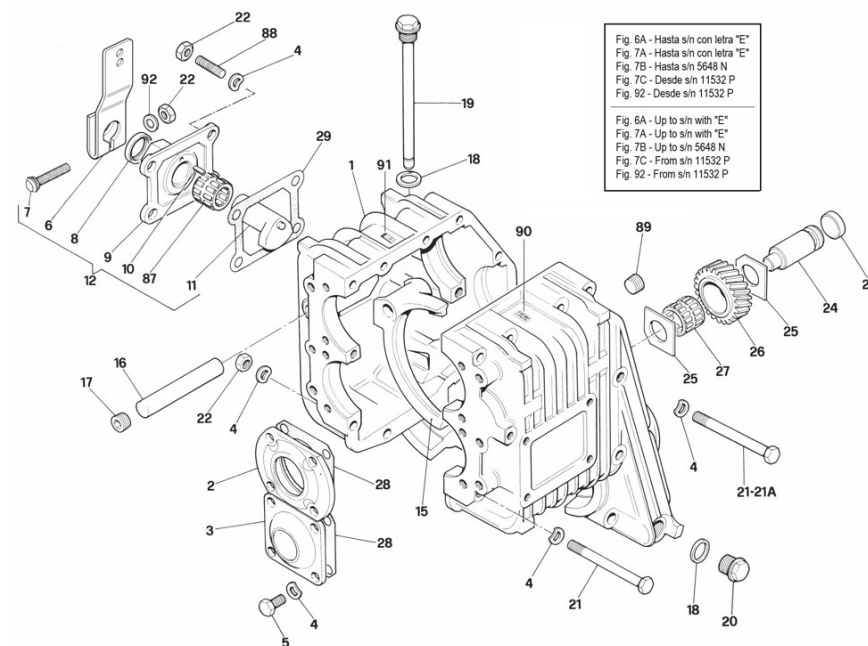


D_5037_5		Maintenance Kit				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	24813401	1	Kit Gasket			
2	A0201000	3	ATF Sole Diesel Oil 1L			
NS	24813500.84	1	Anode SP60 (Saltwater)			
NS	T2050044	1	Aluminum Anode (Fresh Water) SP60			



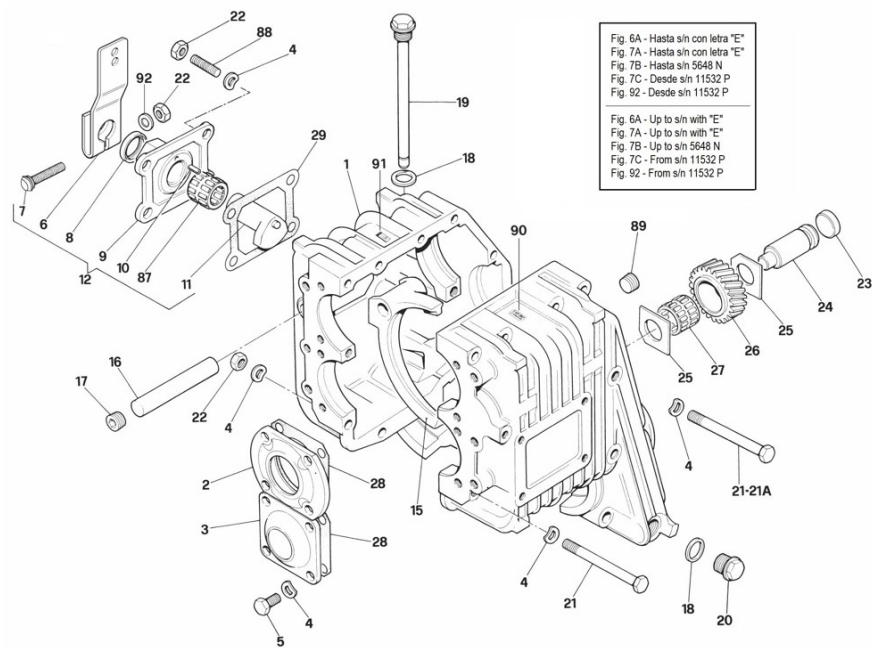
D_50Z2_1 Sheet 1/2

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			



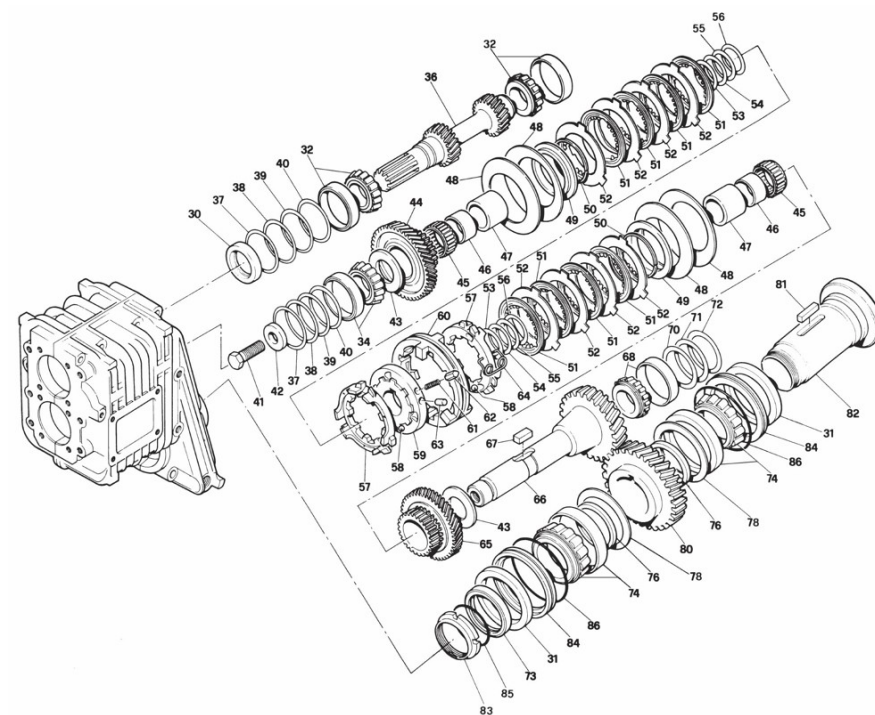
D_50Z2_1		Sheet 1/2				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo

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

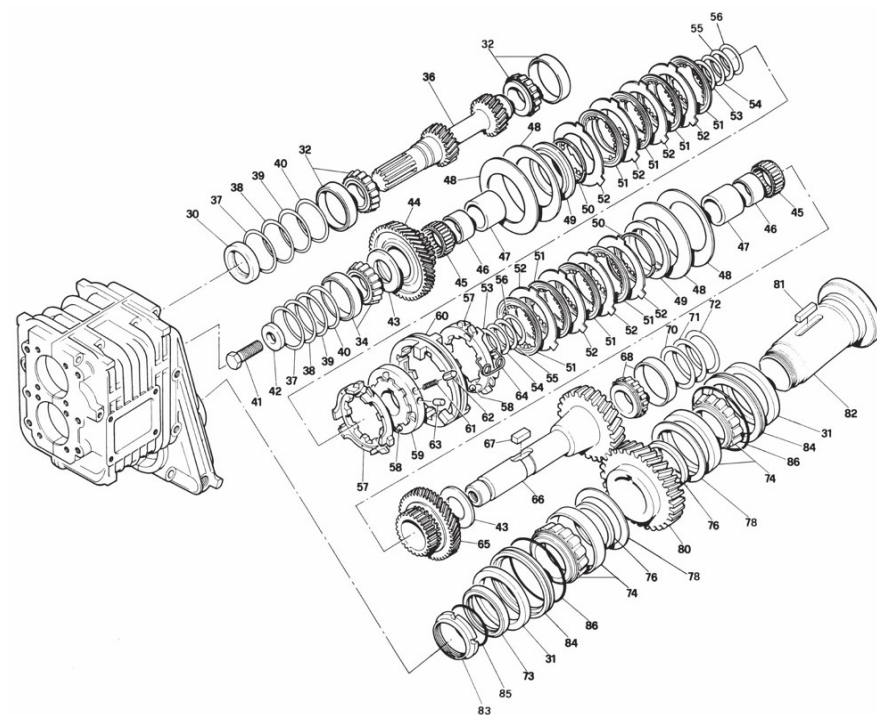
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
30	24613430	1	Input Shaft Seal			
31	24613431	2	Output Shaft Seal			
32	24610102	2	Tapered Roller Bearing			
34	24610305	1	Tapered Roller Bearing			
36A	24610103	1	Input Shaft Hbw 150 V 1.8R Z1/Z3=27/22			
36B	24610104	1	Input Shaft Zf 15 Miv 2.13R Z1/Z3=24/22			
36C	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

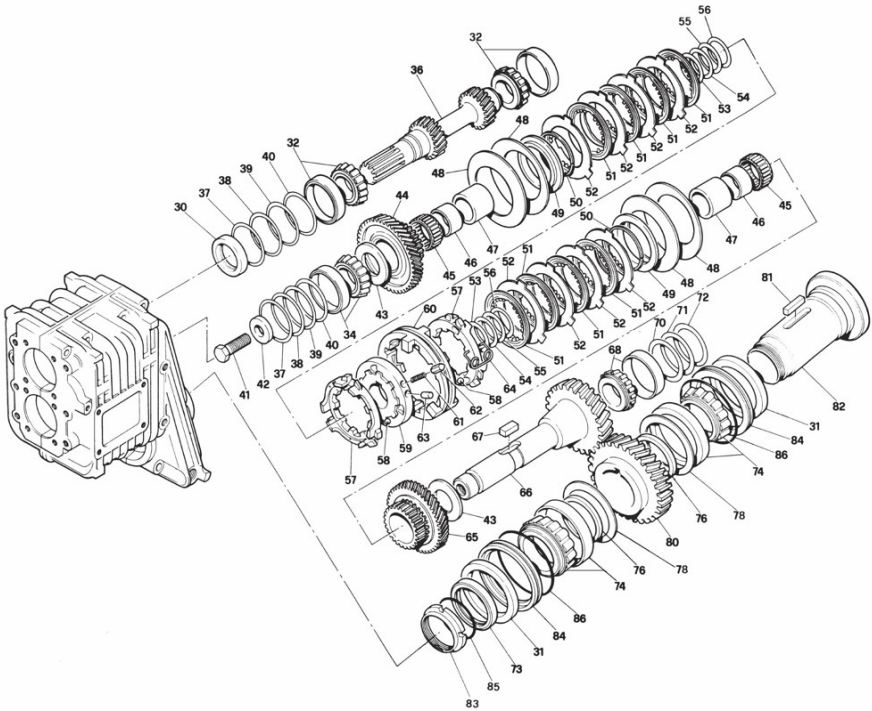
Sheet 2/2

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			



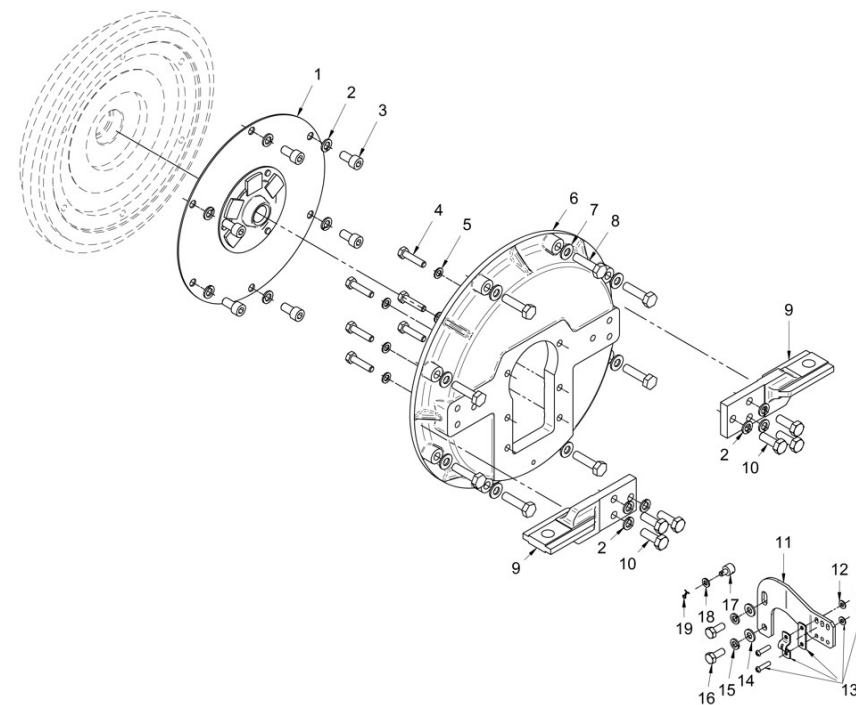
D_50Z2_2 Sheet 2/2

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			



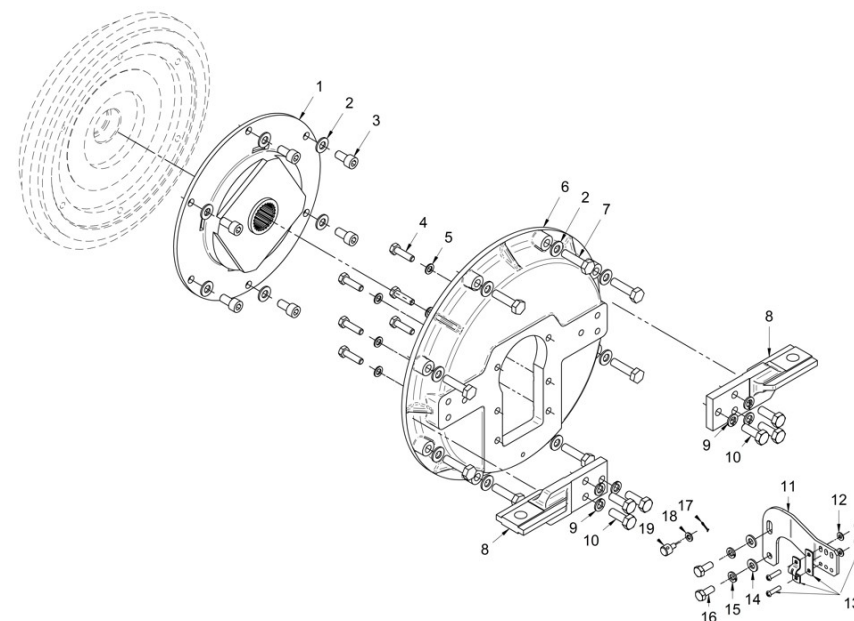
17110245 Kit GearBox TMC-60

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	17110070	1	Flexible Coupling Type A SAE 8"			
2	53033010	12	Washer GROWER DIN 127-10			
3	53203307	6	Bolt DIN 912 M10x1,25-20 12.9			
4	52101260	6	Bolt DIN 931 M8-35 8.8			
5	53038008	6	Washer DIN 6798-A 8			
6	17010014	1	HURTH,block rever.connection			
7	53038010	8	Washer DIN 6798-A 10			
8	52202311	8	Bolt DIN 933 M10-1,25-40 8.8			
9	17110003	2	Bracket,rear			
10	52102309	6	Bolt DIN 933 M10-30 8.8			
11	24880901	1	Bracket, GearBox Control			
12	51030005	2	Washer DIN 125-5			
13	24810913	1	Clamp,CABLE			
14	51030008	2	Washer DIN 125-8			
15	53033008	2	Washer GROWER DIN 127-8			
16	52102257	2	Bolt DIN 933 M8-20 8.8			
17	14719115	1	Coupling,cable			
18	51030006	4	Washer DIN 125-6			
19	51051107	1	Pin DIN-94 1,6-16			

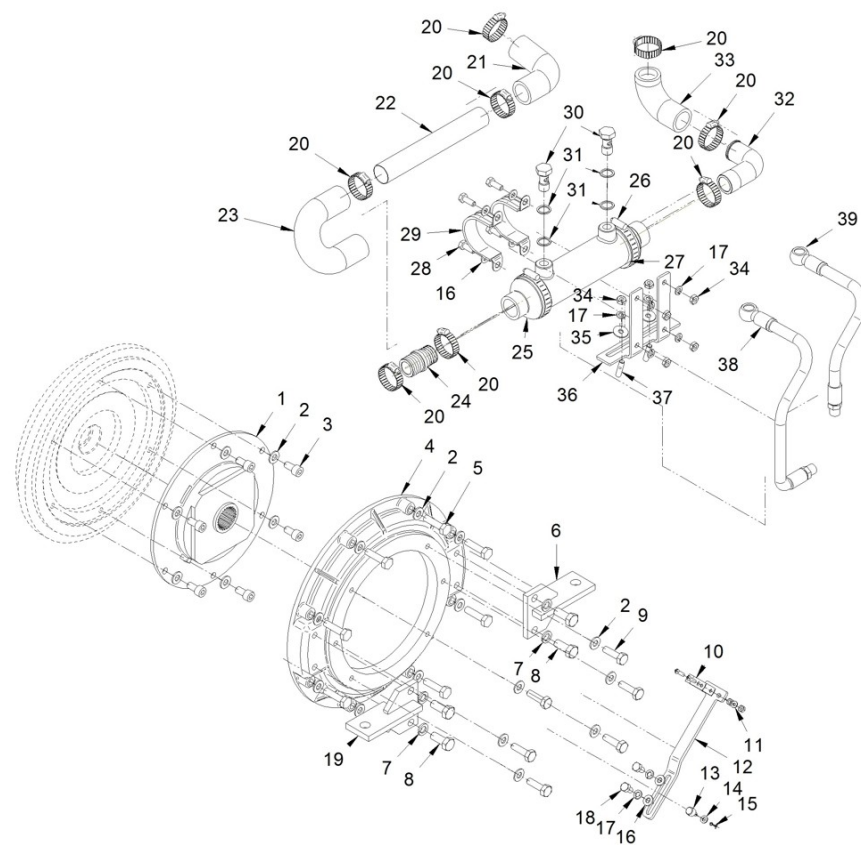


17110225 Kit GearBox TMC-260

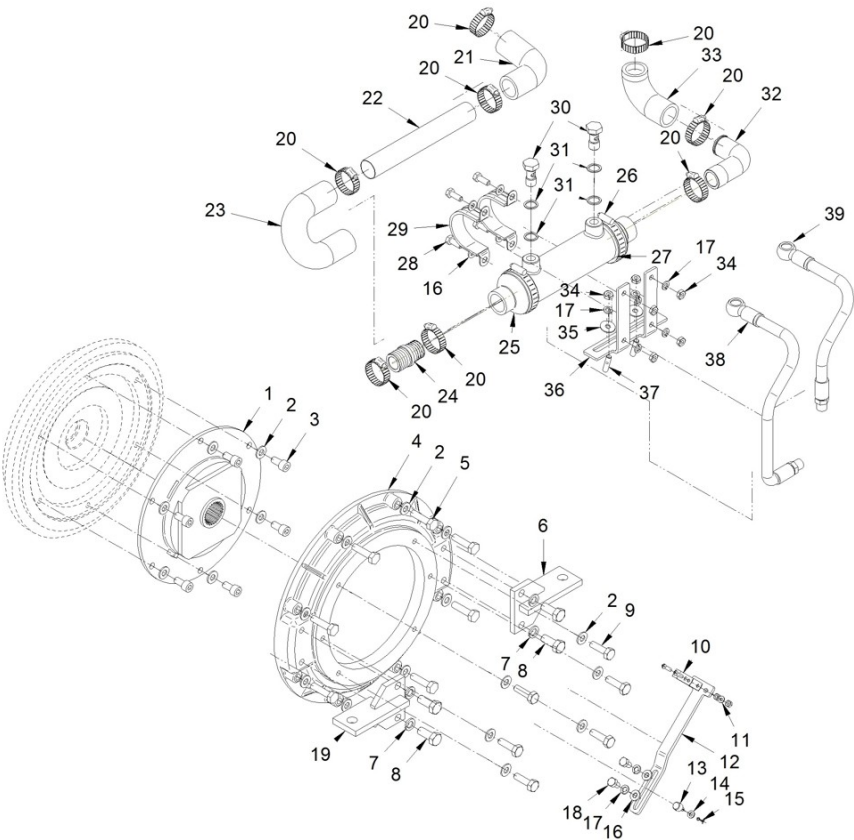
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	17110071	1	Flexible coupling Type B SAE 8"			
2	53038010	14	Washer DIN 6798-A 10			
3	53203307	6	Bolt DIN 912 M10x1,25-20 12.9			
4	52102259	6	Bolt DIN 933 M8-30 8.8			
5	53038008	6	Washer DIN 6798-A 8			
6	17010014	1	HURTH,block rever.connection			
7	52202311	8	Bolt DIN 933 M10-1,25-40 8.8			
8	17110003	2	Bracket,rear			
9	53033010	6	Washer GROWER DIN 127-10			
10	52102309	6	Bolt DIN 933 M10-30 8.8			
11	24880901	1	Bracket, GearBox Control			
12	51030005	2	Washer DIN 125-5			
13	24810913	1	Clamp,CABLE			
14	51030008	2	Washer DIN 125-8			
15	53033008	2	Washer GROWER DIN 127-8			
16	52102257	2	Bolt DIN 933 M8-20 8.8			
17	51051107	1	Pin DIN-94 1,6-16			
18	51030006	4	Washer DIN 125-6			
19	14719115	1	Coupling,cable			
NS	24890026	2	Cover			



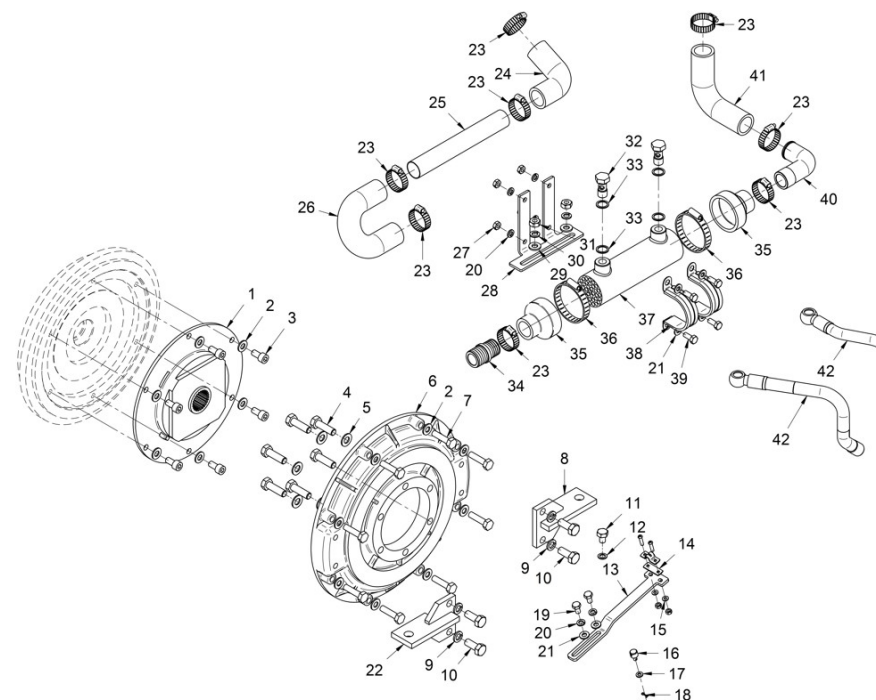
17110210		Kit GearBox TM-345/A				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	17110071	1	Flexible coupling Type B SAE 8"			
2	53038010	19	Washer DIN 6798-A 10			
3	53203307	6	Bolt DIN 912 M10x1,25-20 12.9			
4	17010018.1	1	Adaptor SAE 7 RD			
5	52202311	8	Bolt DIN 933 M10-1,25-40 8.8			
6	17110008	1	Left Rear Bracket			
7	53033012	4	Washer Grower DIN 127-12			
8	52102359	4	Bolt DIN 933 M12-30 8.8			
9	52102307	5	Bolt DIN 933 M10-20 8.8			
10	24810913	1	Clamp,CABLE			
11	51030005	2	Washer DIN 125-5			
12	18619020	1	Bracket,Gear box control			
13	14719115	1	Coupling,cable			
14	51030006	4	Washer DIN 125-6			
15	51051107	1	Pin DIN-94 1,6-16			
16	51030008	6	Washer DIN 125-8			
17	53033008	8	Washer GROWER DIN 127-8			
18	52102256	2	Bolt DIN 933 M8-16 8.8			
19	17110009	1	Right Rear Bracket			
20	54082025	6	Clamp DIN 3017 25-40/12 W4			
21	17111037	1	Pipe			
22	17111026	1	Brass Pipe D32			
23	17111036	1	Pipe			
24	18011026	1	Pipe			
25	15312007	2	Water Cooler Cover			
26	54082050	2	Clamp DIN 3017 50-70/12 W4			
27	1A012051	1	Cooler,oil			
28	52102257	4	Bolt DIN 933 M8-20 8.8			
29	59072604	2	Clamp			
30	14712015	2	Bolt,Coupling pipe oil			
31	59031017	4	Washer			



17110210 Kit GearBox TM-345/A					
Fig.	Ref.	Qty.	Descr.	Obs	From UpTo
32	17111010	1	Elbow		
33	18211018	1	Rubber		
34	52120008	6	Nut DIN 934 M8 8.8		
35	51031008	2	Washer DIN 9021 8		
36	18012041	1	Bracket,TM93/170 oil cooler		
37	12120018	2	Stud		
38	17512017	1	Pipe, rev.oil Cooler		
39	17012024	1	Pipe		

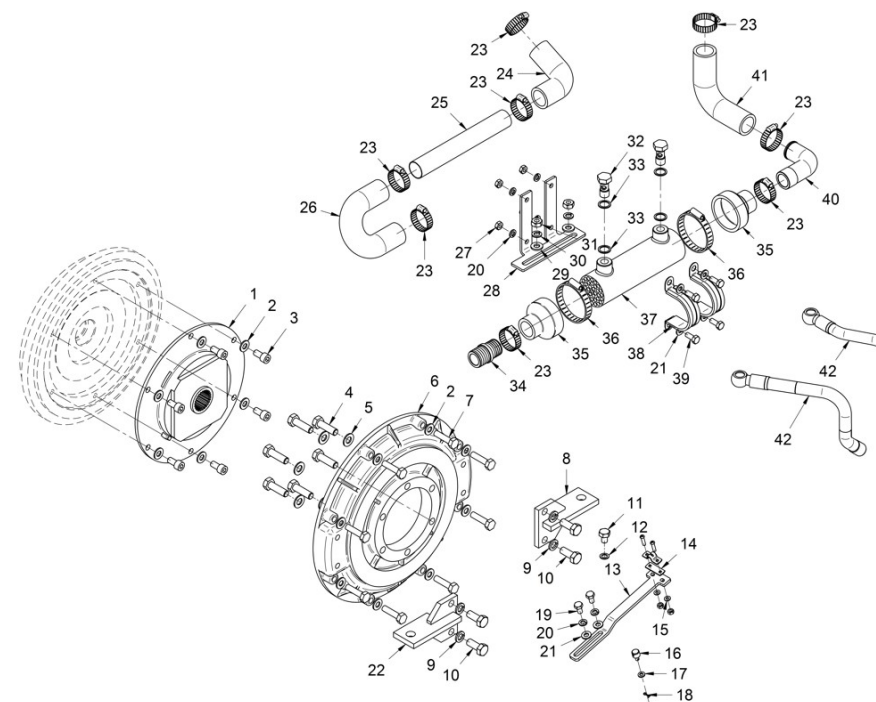


17110200		Kit GearBox TM-93/A				
Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	17110071	1	Flexible coupling Type B SAE 8"			
2	53038010	14	Washer DIN 6798-A 10			
3	53203307	6	Bolt DIN 912 M10x1,25-20 12.9			
4	52102361	5	Bolt DIN 933 M12-40 8.8			
5	53038012	5	Washer DIN 6798-A 12			
6	17010017.1	1	Adaptor TM-93			
7	52202311	8	Bolt DIN 933 M10-1,25-40 8.8			
8	17110008	1	Left Rear Bracket			
9	53033012	4	Washer Grower DIN 127-12			
10	52102359	4	Bolt DIN 933 M12-30 8.8			
11	52102306	1	Bolt DIN 933 M10-15 8.8			
12	56000061	1	Washer 10-16-1,5			
13	18619020	1	Bracket,Gear box control			
14	24810913	1	Clamp,CABLE			
15	51030005	2	Washer DIN 125-5			
16	14719115	1	Coupling,cable			
17	51030006	4	Washer DIN 125-6			
18	51051107	1	Pin DIN-94 1,6-16			
19	52102256	2	Bolt DIN 933 M8-16 8.8			
20	53033008	6	Washer GROWER DIN 127-8			
21	51030008	6	Washer DIN 125-8			
22	17110009	1	Right Rear Bracket			
23	54082025	8	Clamp DIN 3017 25-40/12 W4			
24	17111037	1	Pipe			
25	17111026	1	Brass Pipe D32			
26	17111036	1	Pipe			
27	52120008	4	Nut DIN 934 M8 8.8			
28	18012041	1	Bracket,TM93/170 oil cooler			
29	51030010	2	Washer DIN 125-10			
30	53033010	2	Washer GROWER DIN 127-10			
31	52120010	2	Nut DIN 934 M10 8.8			



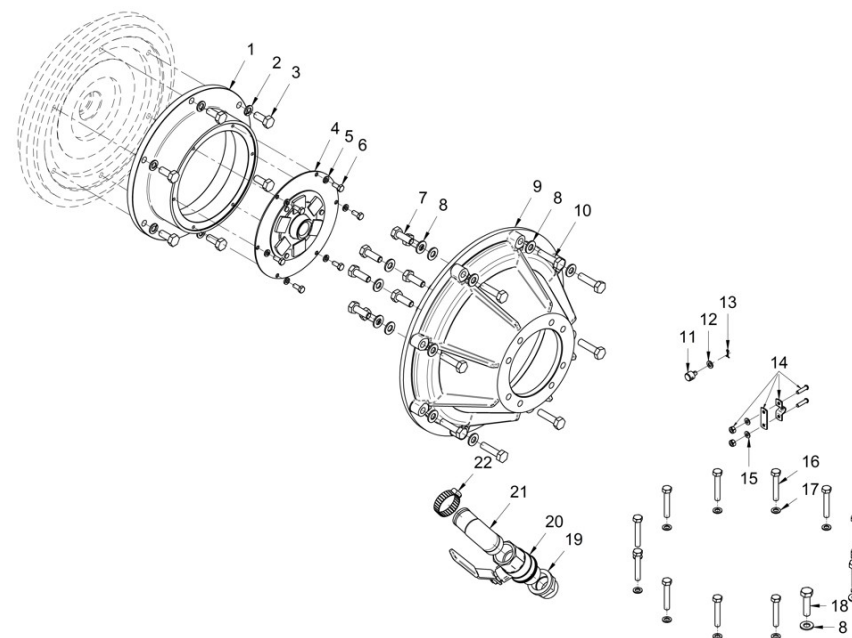
17110200 Kit GearBox TM-93/A

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
32	14712015	2	Bolt,Coupling pipe oil			
33	59031017	4	Washer			
34	18011026	1	Pipe			
35	15312007	2	Water Cooler Cover			
36	54082050	2	Clamp DIN 3017 50-70/12 W4			
37	1A012051	1	Cooler,oil			
38	59072604	2	Clamp			
39	52102257	4	Bolt DIN 933 M8-20 8.8			
40	17111010	1	Elbow			
41	18211018	1	Rubber			
42	17112024	2	Pipe, rev.oil Cooler			



17132100T Kit S-Drive TECHNO.SP60

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	17110023	1	Suplement,Flywheel			
2	53033010	6	Washer GROWER DIN 127-10			
3	52202308	6	Screw DIN 961 8.8 M-10/1,25X25			
4	14710070	1	Flexible coupling type A D. 185			
5	53033006	6	Washer GROWER DIN 127-6			
6	52102156	6	Bolt DIN 933 M6-16 8.8			
7	52102309	8	Bolt DIN 933 M10-30 8.8			
8	53038010	18	Washer DIN 6798-A 10			
9	17110022	1	Adaptor Flange			
10	52202311	8	Bolt DIN 933 M10-1,25-40 8.8			
11	14719115	1	Coupling,cable			
12	51030006	4	Washer DIN 125-6			
13	51051107	1	Pin DIN-94 1,6-16			
14	24810913	1	Clamp,CABLE			
15	51030005	2	Washer DIN 125-5			
16	52101263	12	Bolt DIN 931 M8-50 8.8			
17	53038008	12	Washer DIN 6798-A 8			
18	52101311	2	Bolt DIN 931 M10-40 8.8			
19	17111006	1	Racord 1" M-H			
20	17111005	1	Water Trainer 1" M-H			
21	17511012	2	Elbow			
22	54082025	2	Clamp DIN 3017 25-40/12 W4			
NS	58088280	2	Pastic Cable Zip Tie			
NS	M87503040	1.0	Water Intake Hose (HQ) D. 30-38			



17110250 Kit GearBox HURTH-150V

Fig.	Ref.	Qty.	Descr.	Obs	From	UpTo
1	17110070	1	Flexible Coupling Type A SAE 8"			
2	53033010	12	Washer GROWER DIN 127-10			
3	53203307	6	Bolt DIN 912 M10x1,25-20 12.9			
4	52101310	6	Bolt DIN 931 M10-35 8.8			
5	53038010	12	Washer DIN 6798-A 10			
6	17010014.1	1	HURTH,Block REV.Connection			
7	52202311	6	Bolt DIN 933 M10-1,25-40 8.8			
8	17110003	2	Bracket,rear			
9	52102309	6	Bolt DIN 933 M10-30 8.8			
10	24610901	1	Bracket, GearBox Control			
11	14719115	1	Coupling,cable			
12	51030006	4	Washer DIN 125-6			
13	51051107	1	Pin DIN-94 1,6-16			
14	24810913	1	Clamp,CABLE			
15	51030005	2	Washer DIN 125-5			
16	52120008	2	Nut DIN 934 M8 8.8			
17	51030008	2	Washer DIN 125-8			
18	53033008	2	Washer GROWER DIN 127-8			
NS	54082025	2	Clamp DIN 3017 25-40/12 W4			

