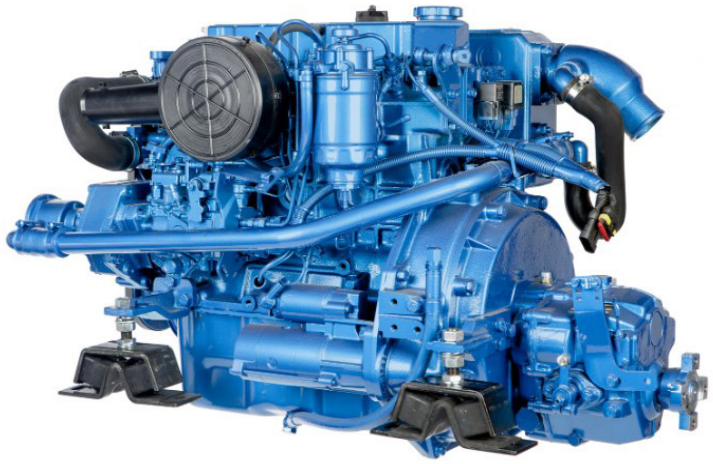
Engine MINI-62

VERSION 2016-1

SPARE PARTS MANUAL



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 FAX or 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 adressed to:

recambios@solediesel.com

Telf.: +34 93 775 44 05

Fax: +34 93 775 30 13

The components shown in the catalog have:

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

Hoses, indicates the total length in meters

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

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

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

SOLÉ, S.A.

C-243b, Km, 2 - P.O. BOX 15

08760 Martorell (Barcelona) Spain

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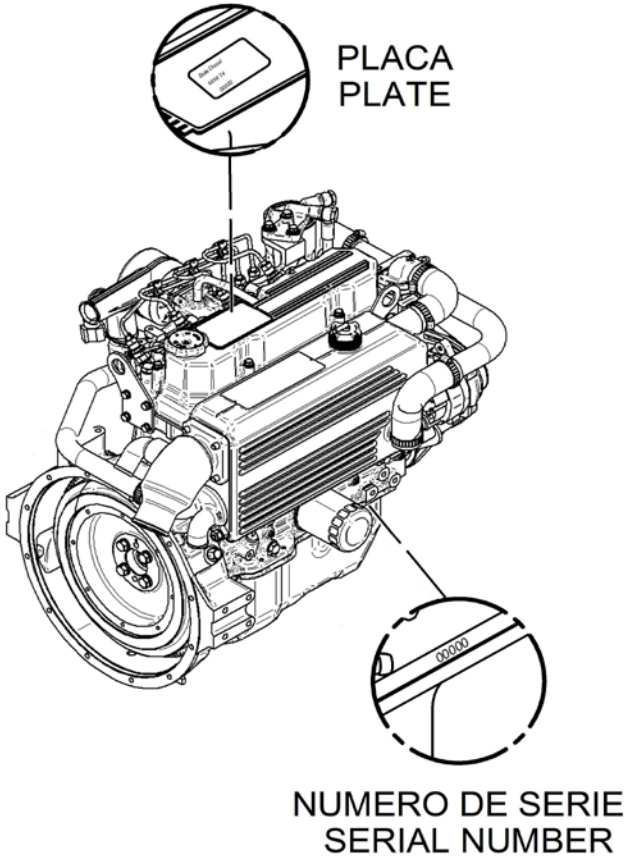

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Oil Pan
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Bracket, Engine Control

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Water Cooler Assy MINI-62
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Deluxe Instrument Panel

24V Electrical System
Kit Alternator 28V/55A
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Kit Gearbox
Kit GearBox SMI-R3
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Kit S-Drive VOLVO 110S
Kit S-Drive BUKH DV48
Kit GearBox TM-93/A
Kit GearBox TM-170A (Without Oil Cooler)
Kit GearBox TM-345/A
Kit Gearbox Hidraulic SAE 7
Kit Jet Castoldi 05
Kit GearBox BORG WARNER
Kit GearBox ZF-25MA/M - HBW250
Kit Adaptor SAE 7 (Without Disk)
Kit Gearbox ZF-25, Hidraulic
Kit GearBox BW (Without Oil Cooler)
Kit GearBox TMC-260
Kit GearBox PRM-260D SAE 7
Kit Bobtail
Kit GearBox TMC-60
Kit GearBox HURTH-150V
Kit GearBox PRM-150
Kit GearBox TMC-60/ZF/PRM
Kit S-Drive TECHNO.SP60
Kit GearBox TMC-260

Instruments Panels
Price Supplement Panel TE3 MINI-62
Kit 2nd Panel TE4 MINI-62 12V
Kit 2nd Electrical Panel TE3&TE4 MINI-62

Electrical System

Kit Isolated SOLAS
Kit 2nd Alternator 28V/55A
Kit 2nd Alternator 14V/95A
Kit Wire Earth Isolated 12V
Kit Water Leak Sensor & Alarm SP60

Other Kits

Pression Gauge Kit
Kit Trolling Valve for TM-93
Kit Trolling Valve for TM-345/A
Motor Bracket Breadht 235
Bracket 235 Width
Kit Water Pump 3/4"
Boiler Kit (S)
Kit Injection Pipes 2nd Wall

Exhaust System

Kit Dry Exhaust With Flexible Pipe (S)
Kit Dry Exh. Flexible Pipe & Silencer(S)

Front Power Take Off

Pulley 2B (S)
Pulley 2A (S)
Kit Power Take-off D30 (S)
Pulley 4A D138 (S)

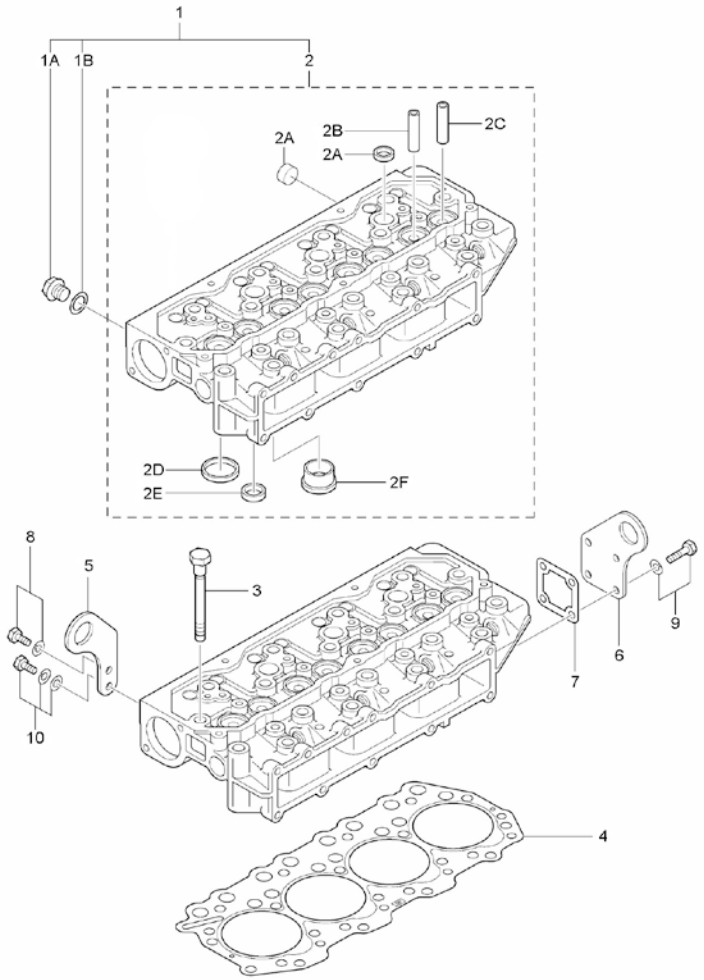
Kit Keel Cooling

Boiler Kit + Keel Cooling
Kit Refroid. Quille et Esc. Sec (S)

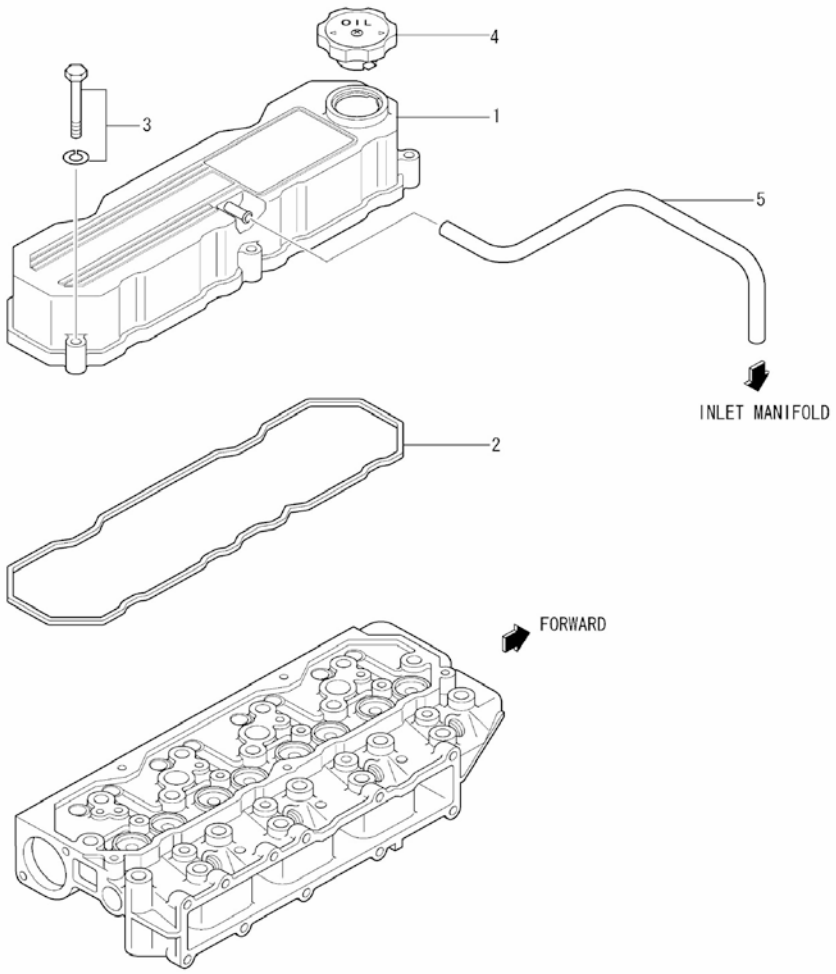
Kit SDC 2000 MINI-62 12V
Kit SDC 2000 MINI-62 24V

2

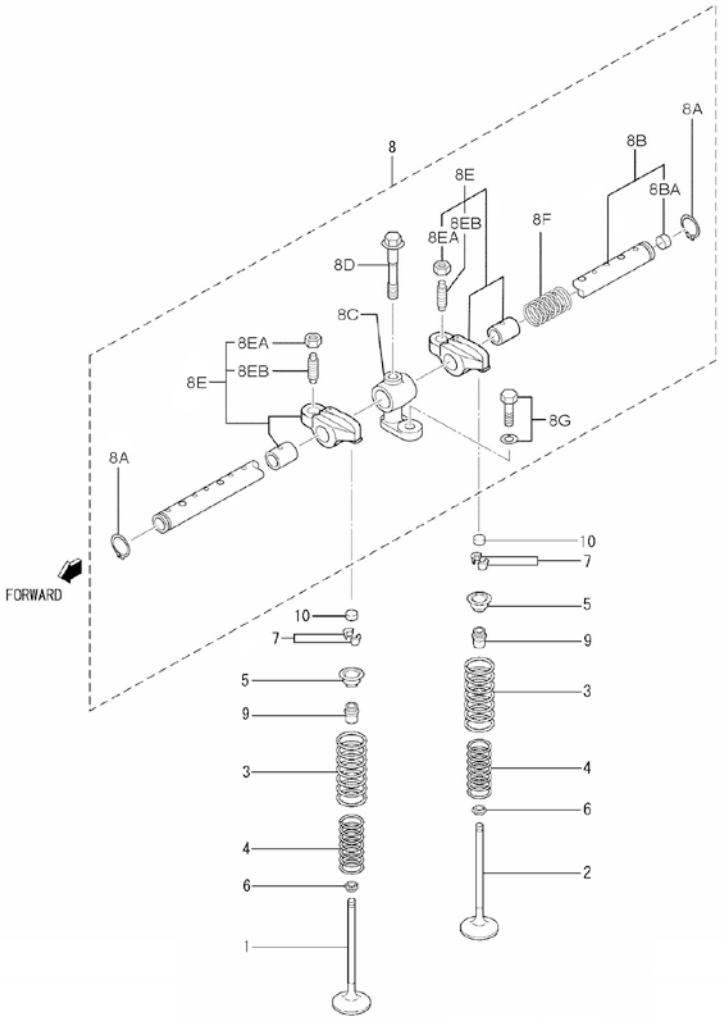
D_MI62_1_1			Cylinder Head
FIG.	**REF.**	**QTY**	**DESCR.**
1	17121001	1	Head, Assy CYL.
1A	17121016	1	Plug, drain
1B	17121013	1	Gasket
2	*	1	Descripcion
2A	13220012	7	Cap Sealing
2B	17421002	4	Guide,Valve
2C	17121003	4	Guide, valve-Exhaust
2D	17121061	4	INSERT, in
2E	17121062	4	INSERT, exh.
2F	17121015	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



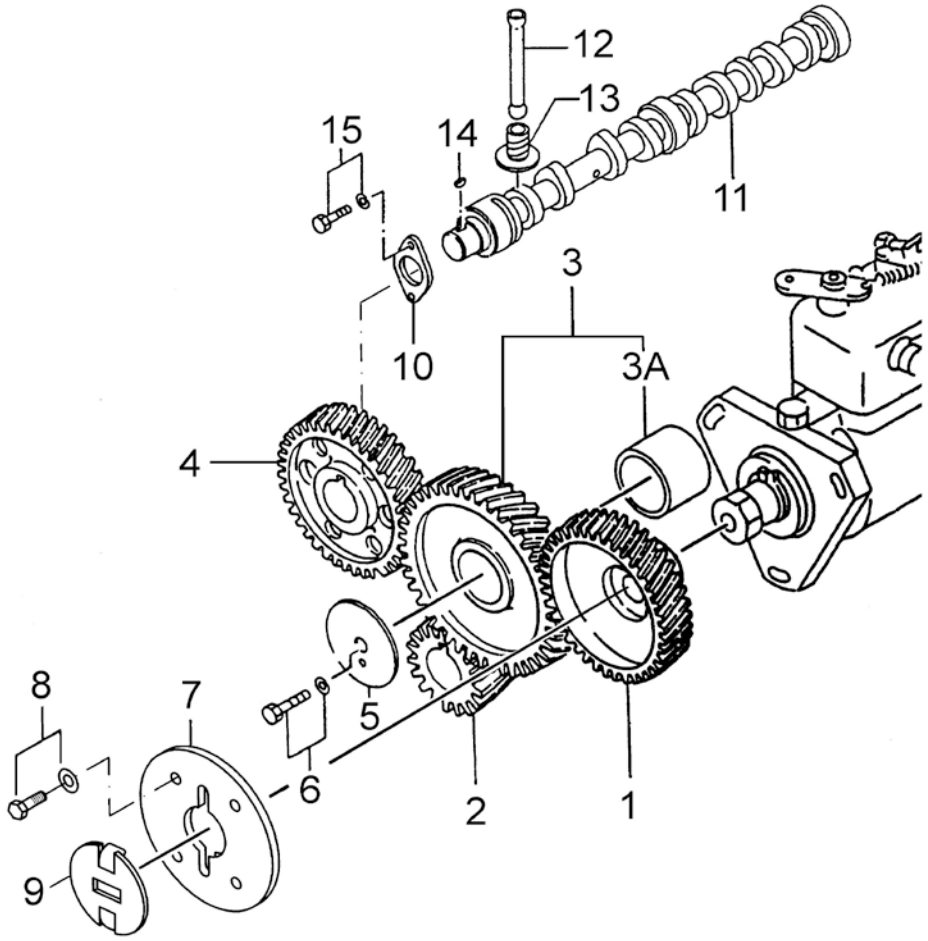
D_MI62_1_2			Rocker Cover & Breather
FIG.	**REF.**	**QTY**	**DESCR.**
1	17121009	1	Cover Assy,Rocker
2	17121010	1	Gasket,Rocker
3	17121014	5	Bolt, w/washer
4	13221003	1	Cap Oil FILLER
5	17121006	1	Hose BREATHER



D_MI62_1_3			Valve Drive
FIG.	**REF.**	**QTY**	**DESCR.**
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	16	COTTER,Valve
8	17122146	1	Rocker & Shaft Assy
8A	17122050	2	Ring, snap
8B	17122046	1	Shaft, Assy rocker
8BA	13322023	2	Cap, SealING
8C	17122048	4	Bracket, rocker
8D	17122053	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

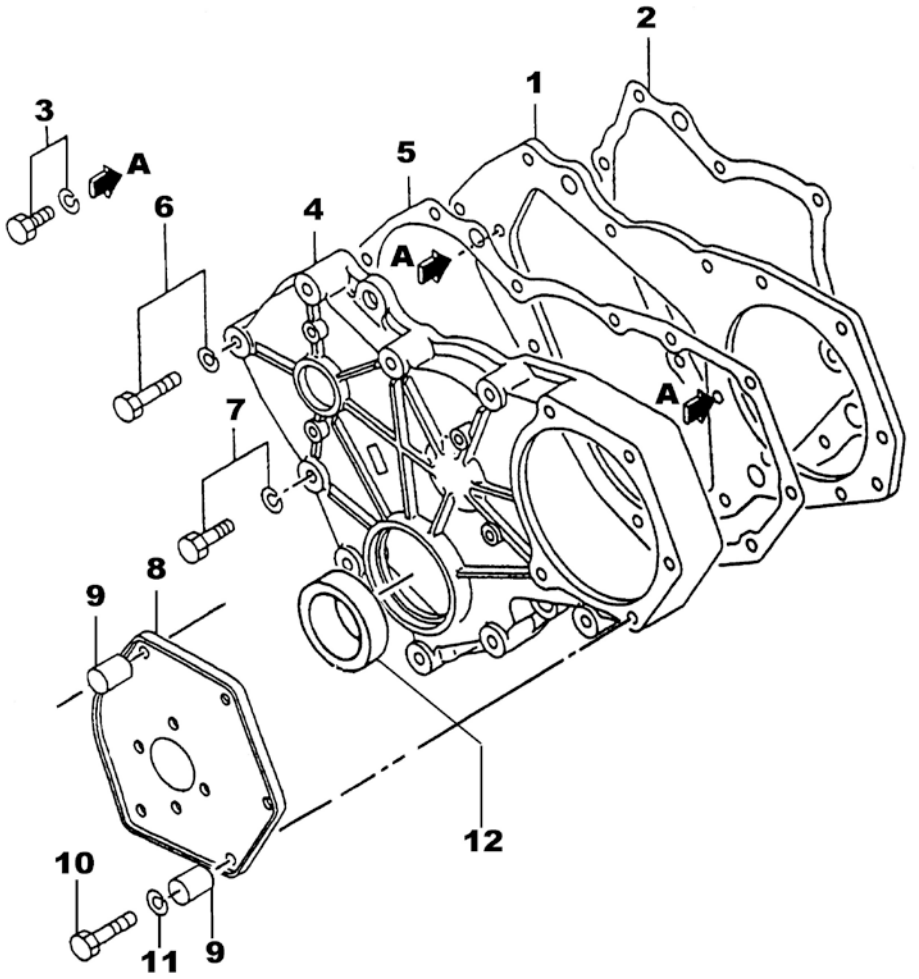


D_MI62_1_4			Timing Parts
FIG.	**REF.**	**QTY**	**DESCR.**
1	17122040.1	1	Gear,INJ.Pump
2	D_MI62_1_9	1	Crankshaft & Flywheel [NP]
3	17122038	1	Gear, Assy idler
3A	17122039	1	Bushing, idler
4	17122037	1	Gear, camShaft
5	17122032	1	Plate, thrust
6	13322079	1	Bolt
7	17110011	1	Coupling,drive
8A	52102257	4	Bolt DIN 933 M8-20 8.8
8B	53033008	6	Washer GROWER DIN 127-8
9	15310072	1	CrossHead
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 M8-15 8.8

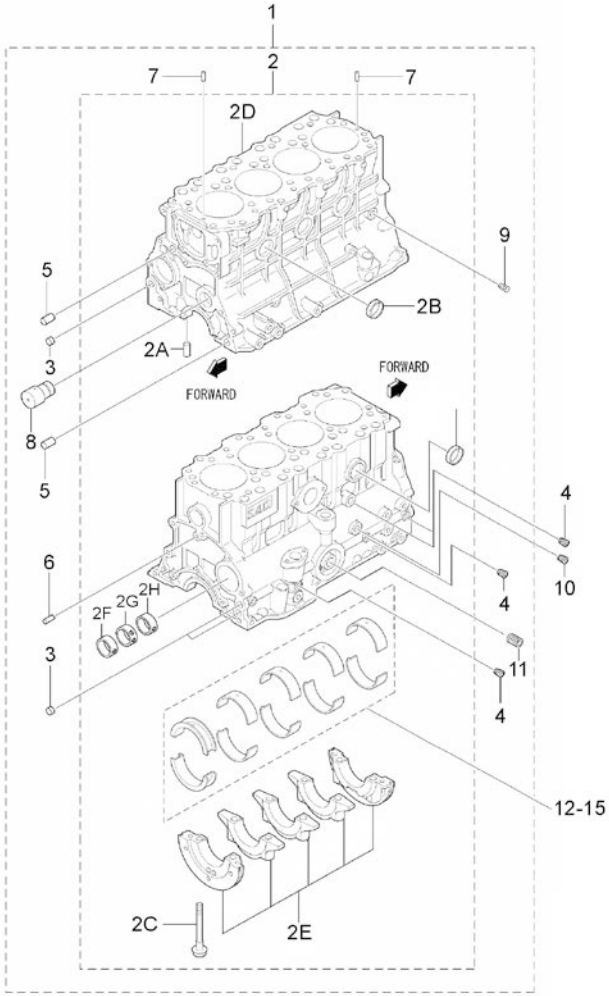


[NP] Not provided

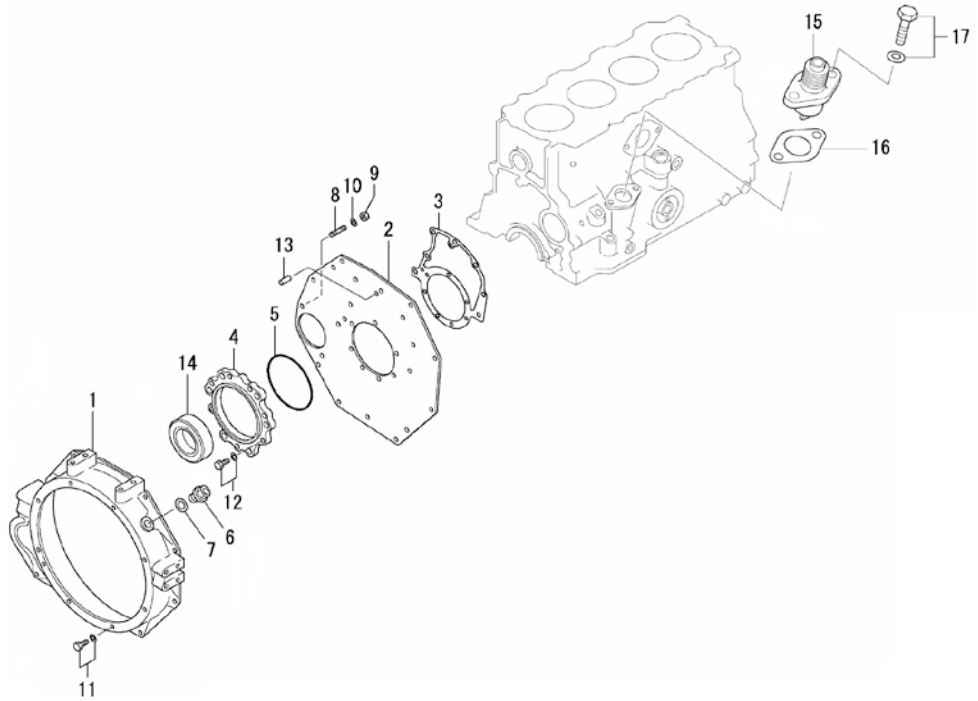
D_MI62_1_5			Gear Case
FIG.	**REF.**	**QTY**	**DESCR.**
1	17120024	1	Plate, front
2	17120018	1	Gasket, front plate
3A	52102256	2	Bolt DIN 933 M8-15 8.8
3B	53033008	2	Washer GROWER DIN 127-8
4	17120035.1	1	Case Gear
5	17120040	1	Gasket, timing Gear
6	17121014	1	Bolt, w/washer
7	17120043	9	Bolt, w/washer
8	17110010	1	Block,water pump
9	17110012	2	KNOCK
10	52101266	5	Bolt DIN 931 M8-65 8.8
11	51030008	5	Washer DIN 125-8
12	17120039	1	Seal, oil



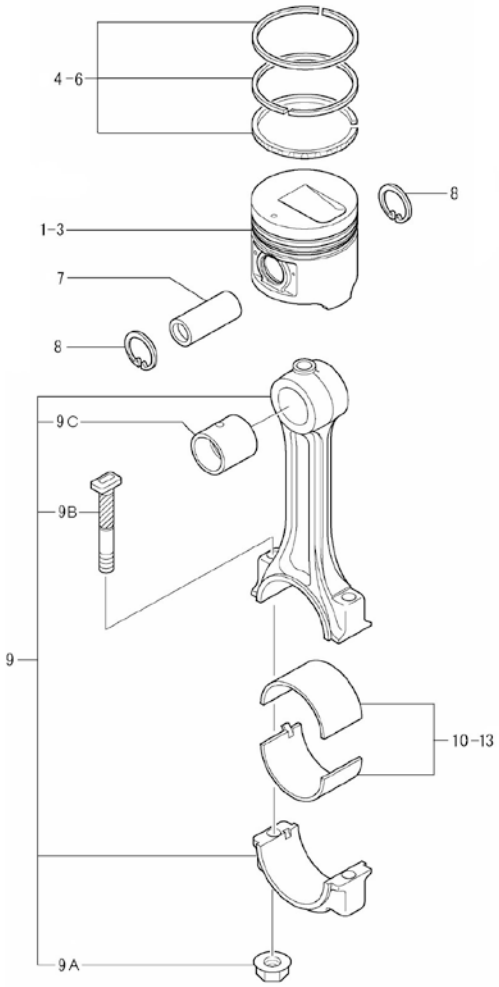
D_MI62_1_6			Cranckcase
FIG.	**REF.**	**QTY**	**DESCR.**
1	17120001.1	1	CRANKCase
2	*	1	Descripcion
3	17120012	3	Cap, SeallNG
4	13120011	5	Plug TAPER 1/8
5	17420036	2	Pin,Dowel
6	17120026	2	Pin, dowel
7	17120019	2	Pin, dowel
8	17120034	1	Shaft, idler
9	17120022	1	Plug, tapered
10	17620024.4	2	Plug TAPER
11	13124047	1	Shaft Oil Filter
12	17120003	1	METAL, main 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
2A	17120026	4	Pin, dowel
2B	13320006	6	Cap, SeallNG
2C	17120009	10	Bolt Bearing Cap
2D	*	1	Descripcion
2E	*	1	Descripcion
2F	17120011.1	1	Bushing,CamShaft
2G	17120011	1	Bushing, CamShaft fr.
2H	17120015.1	1	Bushing,CamShaft



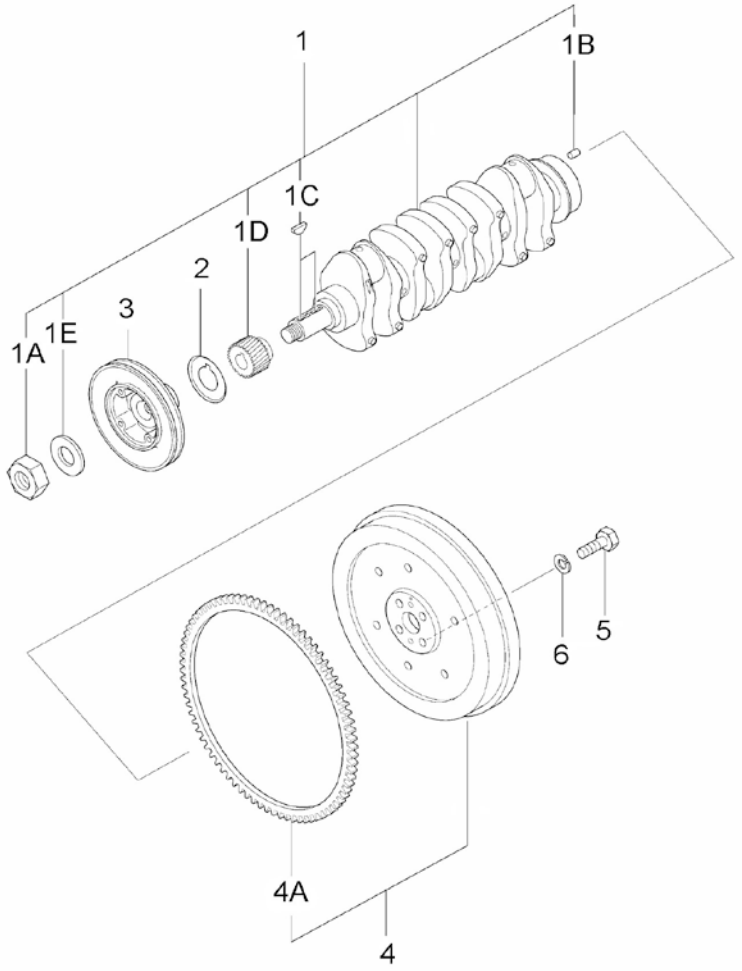
D_MI62_1_7			Flywheel Housing
FIG.	REF.	QTY	DESCR.
1	17120002	1	Flywheel Housing
2	17120017	1	Plate,rear
3	17120025	1	Gasket,rear
4	17120050	1	Case,rear oil seal
5	17120053	1	O-Ring D. 120X2
6	17121016	1	Plug, drain
7	17121013	1	Gasket
8	17120044	2	Stud
9	13127002	2	Nut
10	53033010	2	Washer GROWER DIN 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.**
1	17122001.1	4	Piston STD.(UP TO Engine Nº11542)
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	53041028	8	CIRClip DIN 472 I-28
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	17122014	2	Half Bearing, con-rod Std.
11	17422015	8	Bearing Set,Con-Rod,U.S 0,25
12	17122016	8	Half Bearing, con-rod O.S +0.50
13	17122017	8	Half Bearing, con-rod O.S +0.75

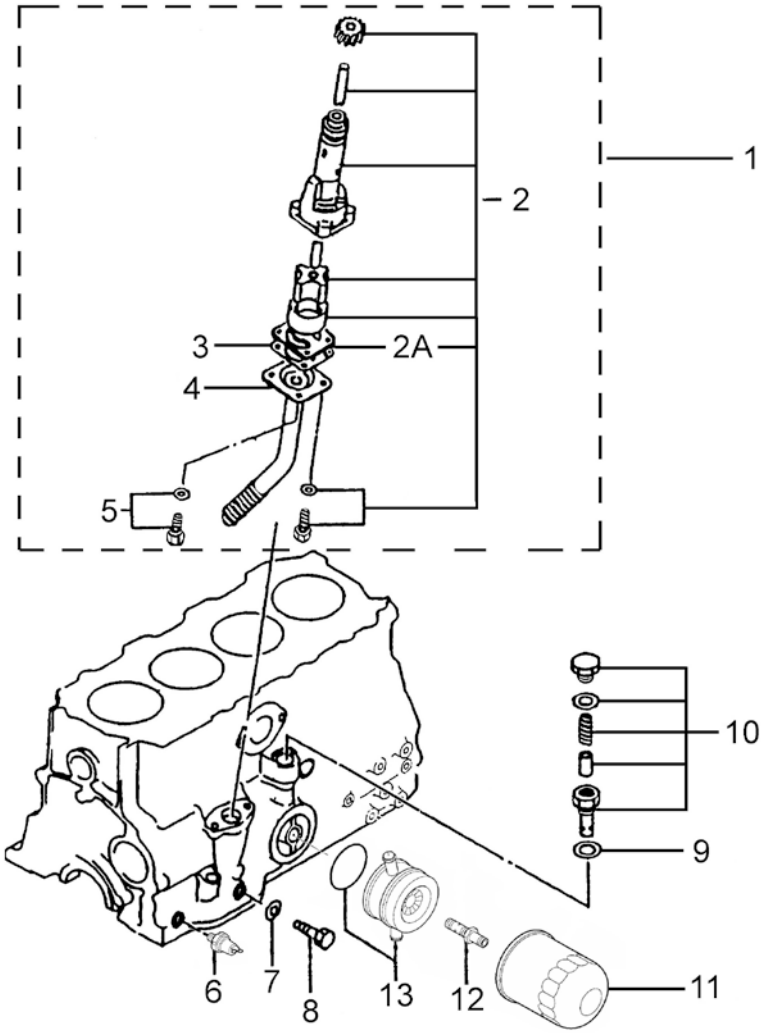


D_MI62_1_9			Crankshaft & Flywheel
FIG.	**REF.**	**QTY**	**DESCR.**
1	17122018.1	1	CrankShaft Assy
1A	17122026	1	Nut, jam
1B	13322059	2	Pin
1C	13322034	2	KEY WOODRUFF
1D	17122019.1	1	Gear,CrankShaft
1E	17122023	1	Washer
2	17122025	1	Plate
3	17122024	1	Pulley CrankShaft
4	17122027.1	1	Flywheel Assy
4A	17122029	1	Gear, ring
5	13322065	4	Bolt
6	53033012	4	Washer GROWER DIN 127-12

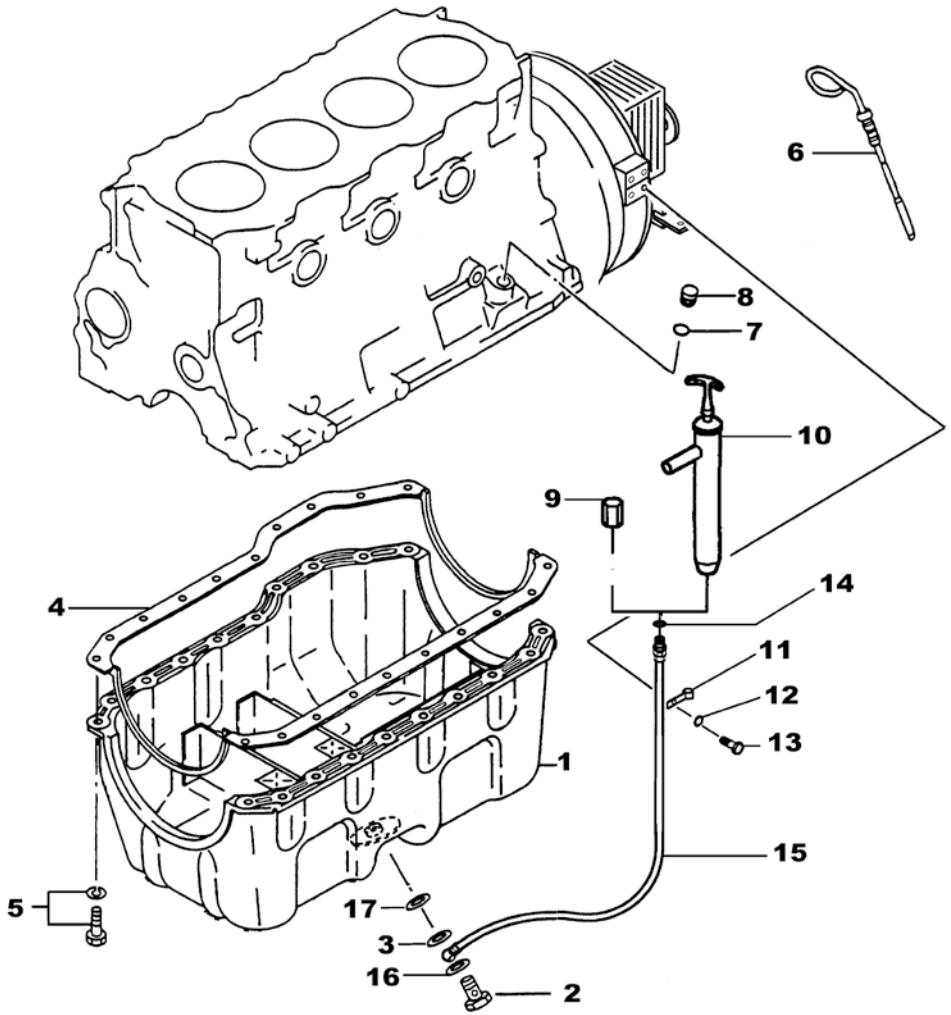


Engine Body

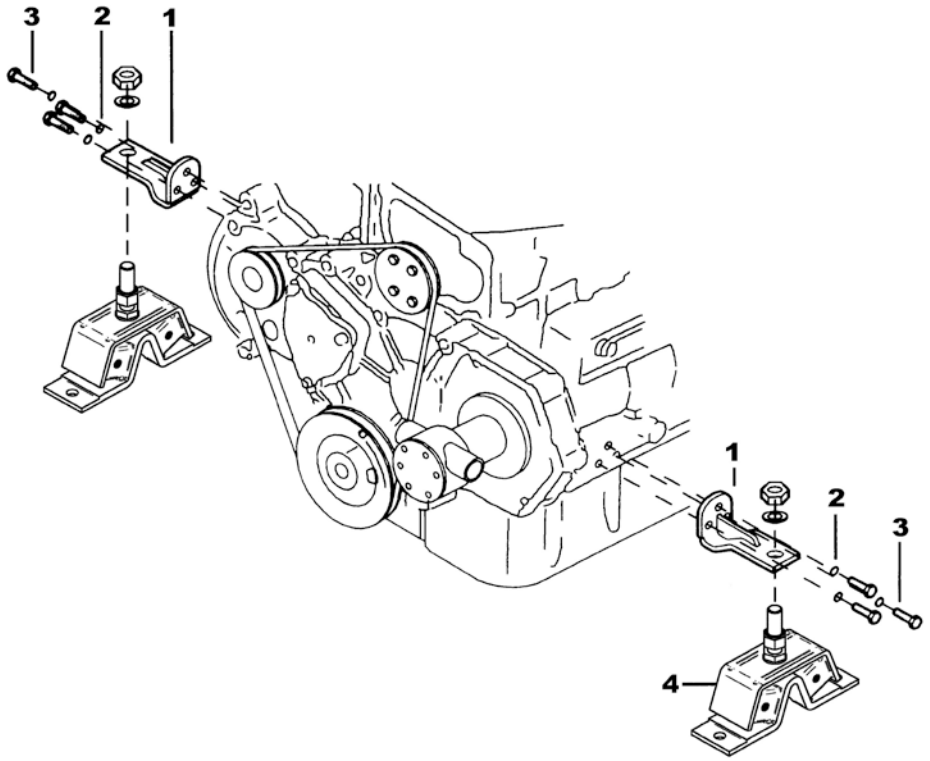
D_MI62_1_10			Oil Sysem
FIG.	**REF.**	**QTY**	**DESCR.**
1	17124040	1	Pump Assy,oil
2	17124046	1	Pump, Assy oil
2A	17124061	1	Cover
3	17124041	1	Gasket,STrainer
4	17124052	1	STrainer, oil
5A	52102157	4	Bolt DIN 933 M6-20 8.8
5B	53033006	4	Washer GROWER DIN 127-6
6	17127027	1	SWITCH, oil pressure
7	17124058	1	Gasket
8	17124062	1	Bolt, oil pump set
9	17424063	1	Gasket
10	17124071	1	Valve, Assy
11	13924051	1	Filter Assy,oil
12	17124054	1	Connector
13	17124045	1	Cooler Assy,oil
13A	17124055	1	O-Ring D. 65X3



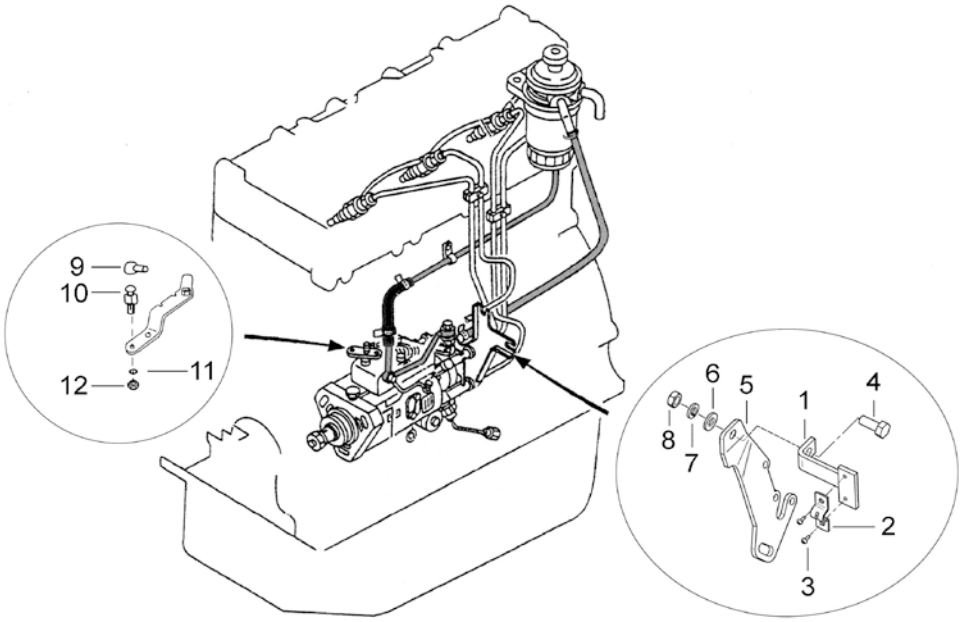
D_MI62_1_11			Oil Pan
FIG.	REF.	QTY	DESCR.
1	17120030	1	PAN, Assy oil
2	12814051	1	Screw,eye
3	56000219	1	Washer 14-20-3
4	17120033	1	Gasket,oil pan
5A	52102256	20	Bolt DIN 933 M8-15 8.8
5B	53033008	20	Washer GROWER DIN 127-8
6	17120029	1	Gauge Oil LEVEL
7	17120058	1	O-Ring D. 13X2,5
8	17120059	1	Plug
9	16514020	1	Plug
10	14714001	1	Pump,oil Suction
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	1	Washer 14-20-1,5
17	17420031	1	Gasket,Oil DRAIN



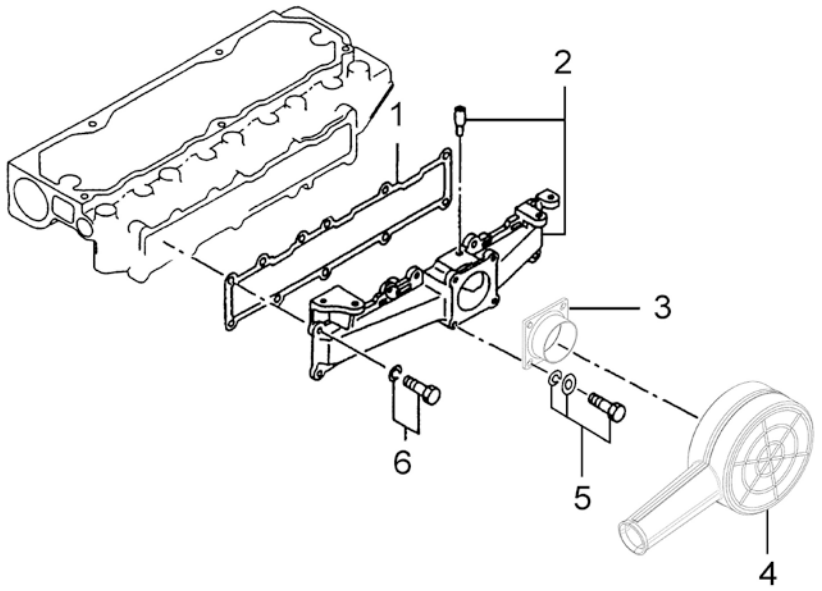
D_MI62_1_12			Engine Brackets
FIG.	REF.	QTY	DESCR.
1	17110002	2	Bracket,front
2	53033010	6	Washer GROWER DIN 127-10
3	52202308	6	Bolt DIN 933 M10-1,25-25 8.8
4	61671000	4	Anti Vibration Mount Type E 65SHA



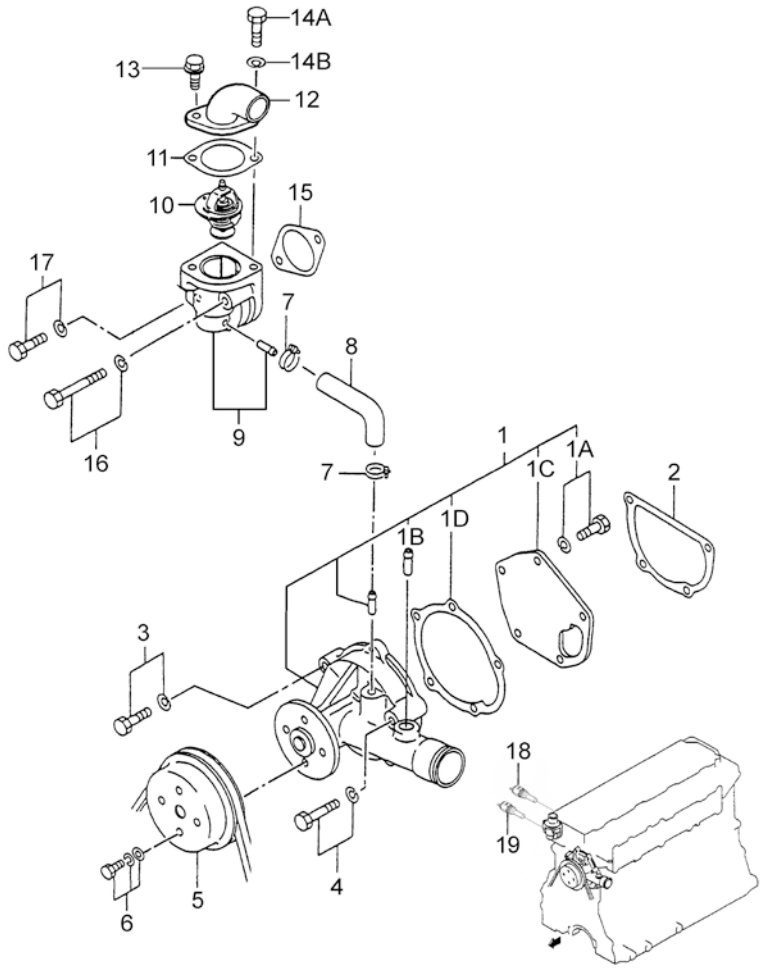
D_MI62_1_13			Bracket, Engine Control
FIG.	**REF.**	**QTY**	**DESCR.**
1	17119001.1	1	Bracket,Engine Control
2	14719013	1	Clamp,cable
3	55307104	2	Bolt DIN 86 W3/16-10
4	52102257	1	Bolt DIN 933 M8-20 8.8
5	17125038.1	1	Bracket
6	51030008	1	Washer DIN 125-8
7	53033008	1	Washer GROWER DIN 127-8
8	52120008	1	Nut DIN 934 M8 8.8
9	15119015	1	CABLE Holder Ball
10	11114122	1	Ball JOINT
11	51030006	1	Washer DIN 125-6
12	52120006	1	Nut DIN 934 M6 8.8



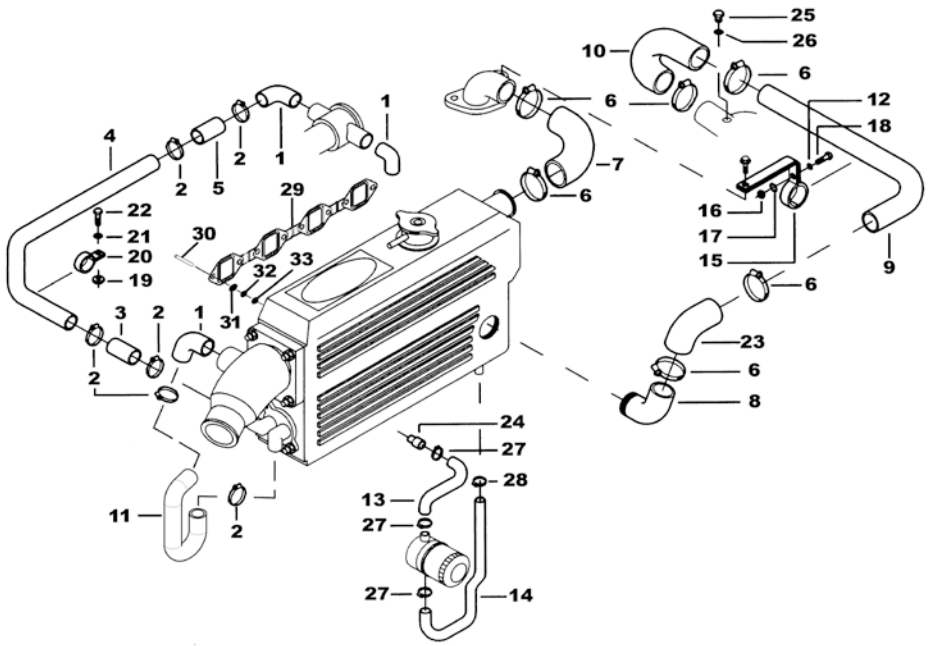
D_MI62_2_1			Inlet
FIG.	**REF.**	**QTY**	**DESCR.**
1	17121032	1	Gasket, in manifold
2	17121030	1	Manifold, Assy inlet
3	18210020	1	Spacer, Air Filter
4	18210030	1	Air Filter
5A	52102156	2	Bolt DIN 933 M6-16 8.8
5B	51030006	2	Washer DIN 125-6
5C	53033006	2	Washer GROWER DIN 127-6
6	17121012	11	Bolt, w/washer



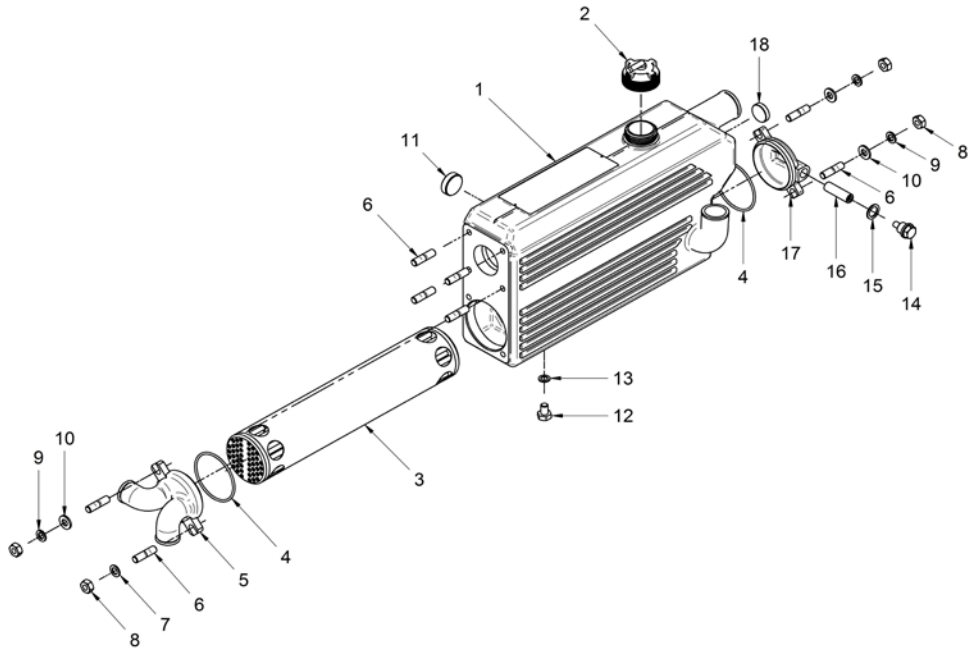
D_MI62_3_1			Water Pump
FIG.	**REF.**	**QTY**	**DESCR.**
1	17121020	1	Pump, Assy water
2	17121041	1	Gasket
3	17121014	3	Bolt, w/washer
4	17120046	1	Bolt, w/washer
5	17121021	1	Pulley,Water Pump
6	17121056	4	Bolt,w/washer
7	17121036	2	Clamp, hose
8	17121025	1	Hose, by-pass
9	17121037	1	Case, Assy thermostat
1A	17121012	1	Bolt, w/washer
1B	17124053	1	Joint
1C	17121042	1	Cover, water pump
1D	17121022	1	Gasket Water Pump
10	17121027	1	Thermostat
11	17111021	1	Gasket
12	17111020	1	FITTING,water outlet
13	17121060	1	Bolt
14A	52101263	1	Bolt DIN 931 M8-50 8.8
14B	53038008	1	Washer DIN 6798-A 8
15	17111021	1	Gasket
16	52101268	1	Bolt DIN 931 M8-75 8.8
17	52101262	1	Bolt DIN 931 M8-45 8.8
18	60900980	1	Temperature Sensor
19	17427080	1	SWITCH,THERMO



D_MI62_3_2			Cooler Pipes
FIG.	**REF.**	**QTY**	**DESCR.**
1	14711021	2	Hose Nº 1
2	54082025	8	Clamp DIN 3017 25-40/12 W4
3	60535008	1	Pipe 30-40-65
4	17111030	1	Pipe,from pump to exchanger
5	13611038	1	Pipe 30-40-75
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	17111027	1	Rubber Elbow
11	16111012	1	Hose
11	17111025	1	Elbow 30-40-335
12	51030006	1	Washer DIN 125-6
12	18011020	1	Pipe
13	17111018	1	Elbow
14	17111016	1	Pipe
15	17111029	1	Bracket Clamp
16	52120006	1	Nut DIN 934 M6 8.8
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	Bolt DIN 933 M10-1,25-25 8.8
23	17111028	1	Elbow, rubber
24	17124053	1	Joint
25	12111076	1	Plug
26	56000073	1	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
29	17121035	1	Gasket, Exhaust Manifold
30	13311006	8	Stud,cover
31	17120049	8	Nut M8
32	51030008	8	Washer DIN 125-8
33	53033008	8	Washer GROWER DIN 127-8

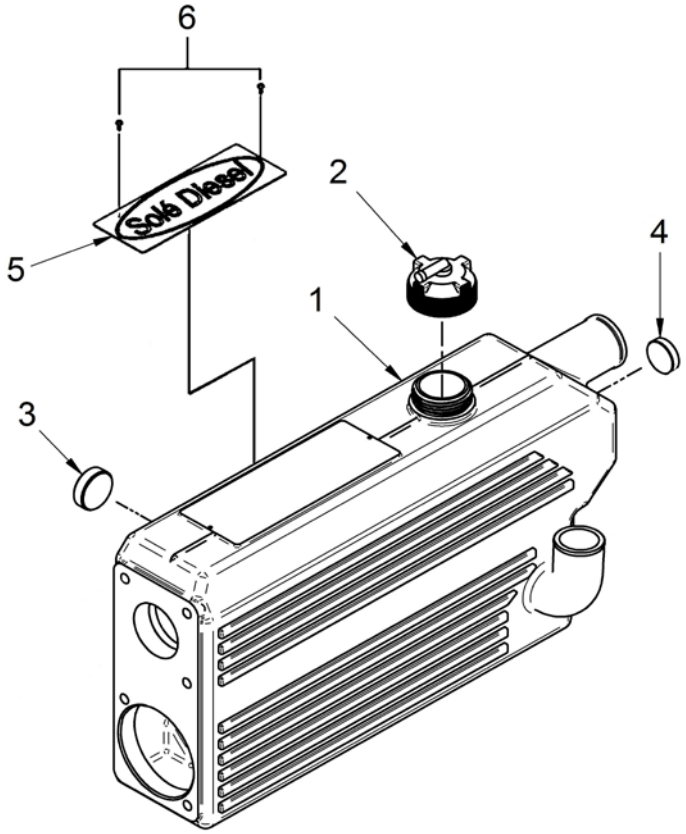


17111000			Water Cooler Assy MINI-62
FIG.	**REF.**	**QTY**	**DESCR.**
1	17111001	1	Body,water cooler [NP]
2	13811010	1	Cap
3	17111004	1	Element,water cooler
4	18011008	2	O-Ring D. 72X3
5	18011003	1	Cover REAR,water cooler
6	16511007	8	Stud
7	51035010	1	Washer DIN 433 10
8	52120010	4	Nut DIN 934 M10 8.8
9	53033010	4	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	Plug
15	56000073	1	Washer 16-23-1,5
16	18011031	1	Anode
17	18011002	1	Cover Front,water cooler
18	12113092	1	Plug



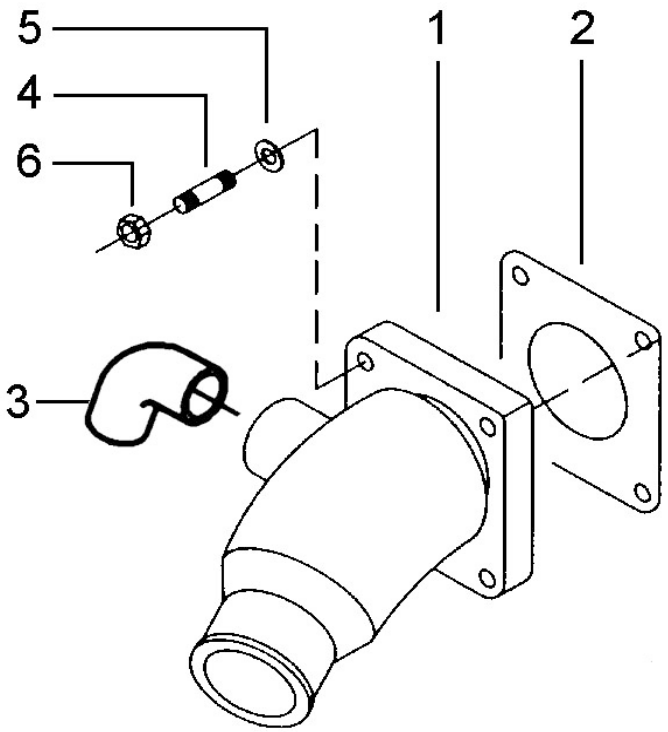
[NP] Not provided

17111001C			Body,water cooler and cap
FIG.	REF.	QTY	DESCR.
1	17111001	1	Body,water cooler [NP]
2	12113092	1	Plug
3	13811010	1	Cap
4	17111062	2	Bolt
5	16513004	1	Plug 1"
6	17111060	1	Plate "SOLE Diesel"

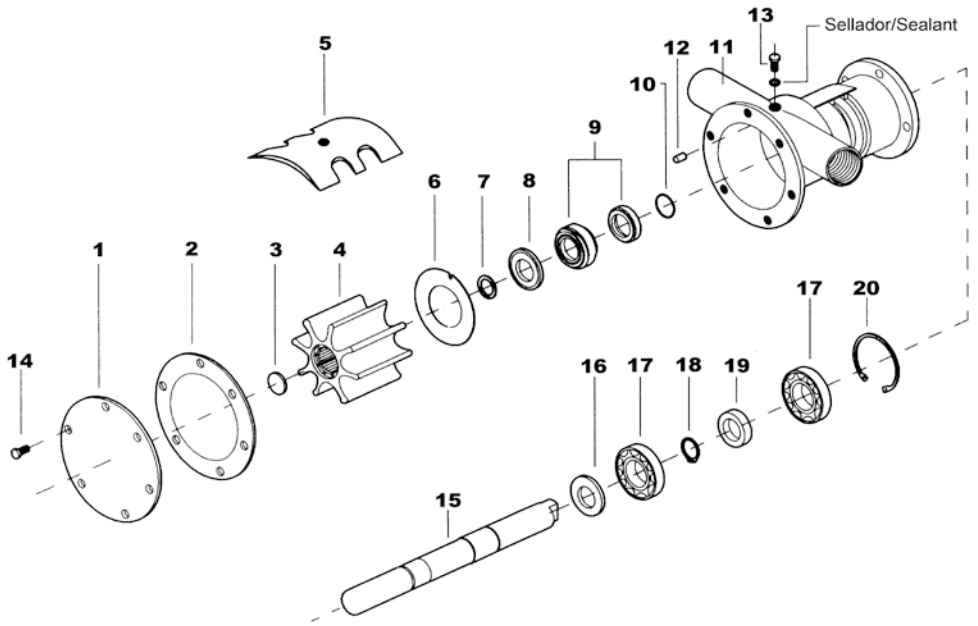


[NP] Not provided

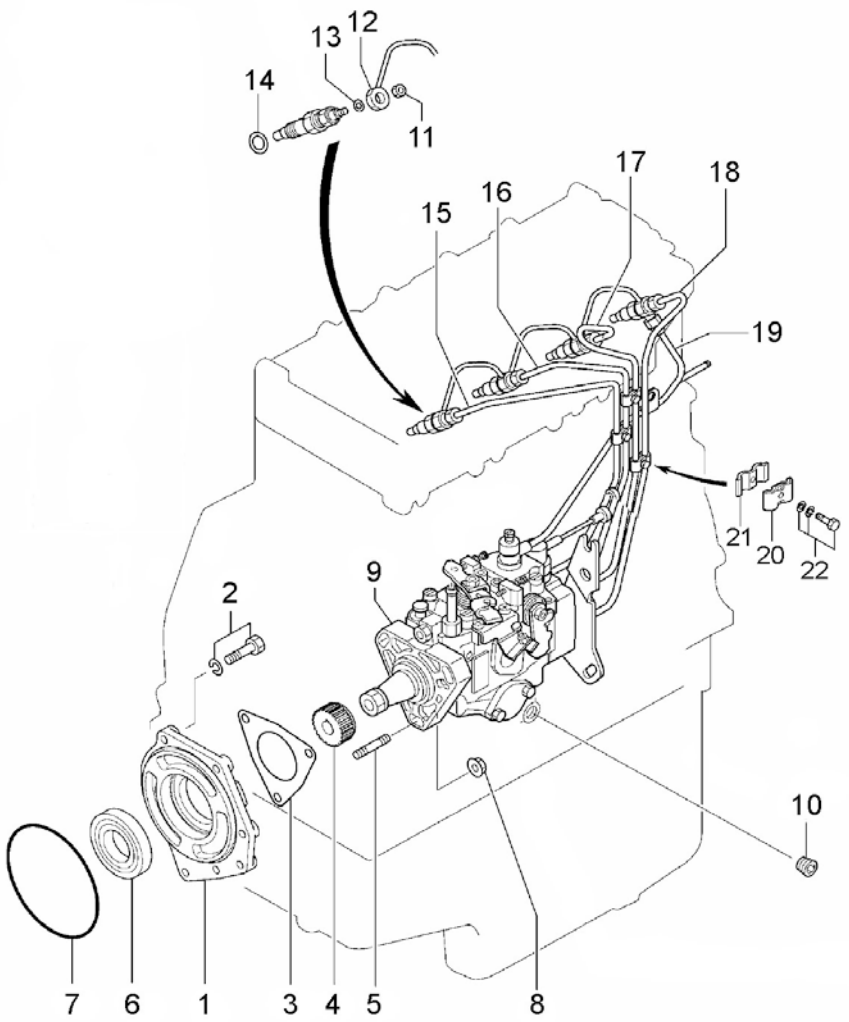
D_MI62_3_3			Wet Exhaust
FIG.	REF.	QTY	DESCR.
1	17113015	1	Elbow,wet exhaust
2	17113016	1	Gasket
3	14711021	1	Hose Nº 1
4	16511007	4	Stud
5	51030010	4	Washer DIN 125-10
6	55120110	4	Nut DIN 934 M10



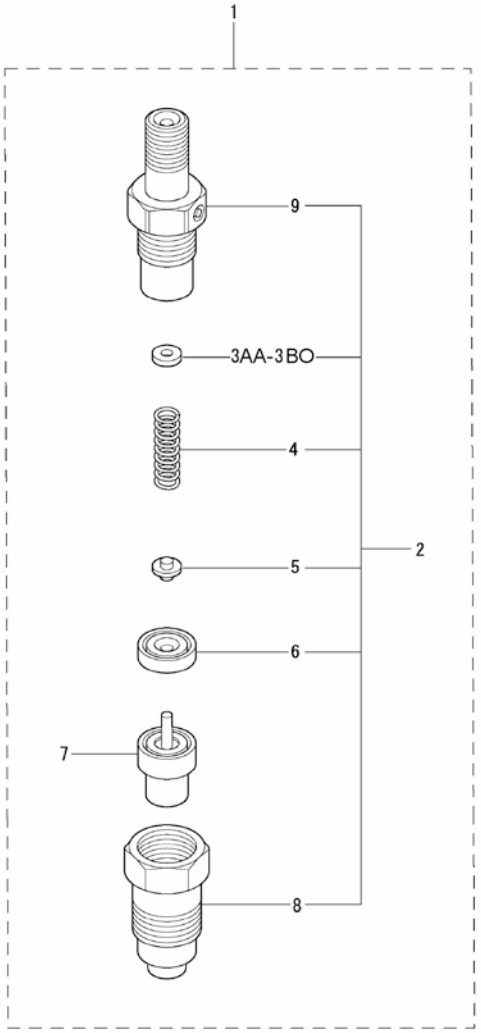
36511000			1" Water Pump, Set
FIG.	**REF.**	**QTY**	**DESCR.**
1	34711002	1	Cover Pump
2	34711003	1	Gasket Cover
3	34711041	1	Plug, impeller
4	34711008	1	1" Impeller
5	34711005	1	Cam
6	34711026	1	Plate,Friction
7	54040016	1	CIRClip E-16
8	36511018	1	Washer,seal
9	36511019	1	Seal
10	33311013	1	O-Ring 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.
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	13120011	1	Plug TAPER 1/8
11	13824024	4	Nut
12	17124005	1	Pipe, Fuel Leak OFF
13	17424025G.1	4	Gasket,Fuel Return(Generator)
14	13824013	4	Gasket
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

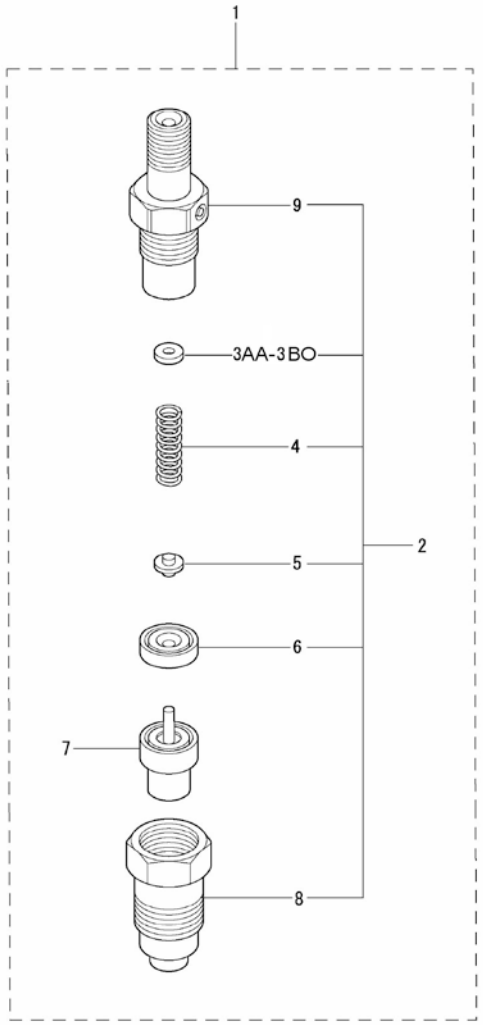


D_MI62_4_2			Injection Nozzle
FIG.	**REF.**	**QTY**	**DESCR.**
1	17126001.2	4	Nozzle, Assy
2	*	4	Descripcion
3	13826017	0	Washer 1,60 [VAR]
3	13826015	0	Washer 1,50 [VAR]
3AÑ	17126057	0	Washer 1.825 [VAR]
3AA	17126062	0	Washer 1.950 [VAR]
3AB	17126033	0	Washer 1.225 [VAR]
3AC	17126056	0	Washer 1.800 [VAR]
3AF	17126020	0	Washer 0.900 [VAR]
3AG	17126039	0	Washer 1.375 [VAR]
3AH	13826010	0	Washer 1,25 [VAR]
3AI	17126045	0	Washer 1.525 [VAR]
3AJ	17126053	0	Washer 1.725 [VAR]
3AK	13826019	0	Washer 1,65 [VAR]
3AL	17126029	0	Washer 1.125 [VAR]
3AM	17126023	0	Washer 0.975 [VAR]
3AN	17126031	0	Washer 1.175 [VAR]
3AO	17126058	0	Washer 1.850 [VAR]
3AP	17126025	0	Washer 1.025 [VAR]
3AQ	13826013	0	Washer 1,40 [VAR]
3AR	13826020	0	Washer 1,70 [VAR]
3AS	17126059	0	Washer 1.875 [VAR]
3AT	17126041	0	Washer 1.425 [VAR]
3AU	17126051	0	Washer 1.675 [VAR]
3AV	17126022	0	Washer 0.950 [VAR]
3AW	17126055	0	Washer 1.775 [VAR]
3AX	17126061	0	Washer 1.925 [VAR]
3AY	17126037	0	Washer 1.325 [VAR]
3AZ	17126030	0	Washer 1.150 [VAR]
3BÑ	17126026	0	Washer 1.050 [VAR]
3BA	13826014	0	Washer 1,45 [VAR]
3BB	13826016	0	Washer 1,55 [VAR]
3BC	13826012	0	Washer 1,35 [VAR]
3BD	17126024	0	Washer 1.000 [VAR]
3BE	17126028	0	Washer 1.100 [VAR]

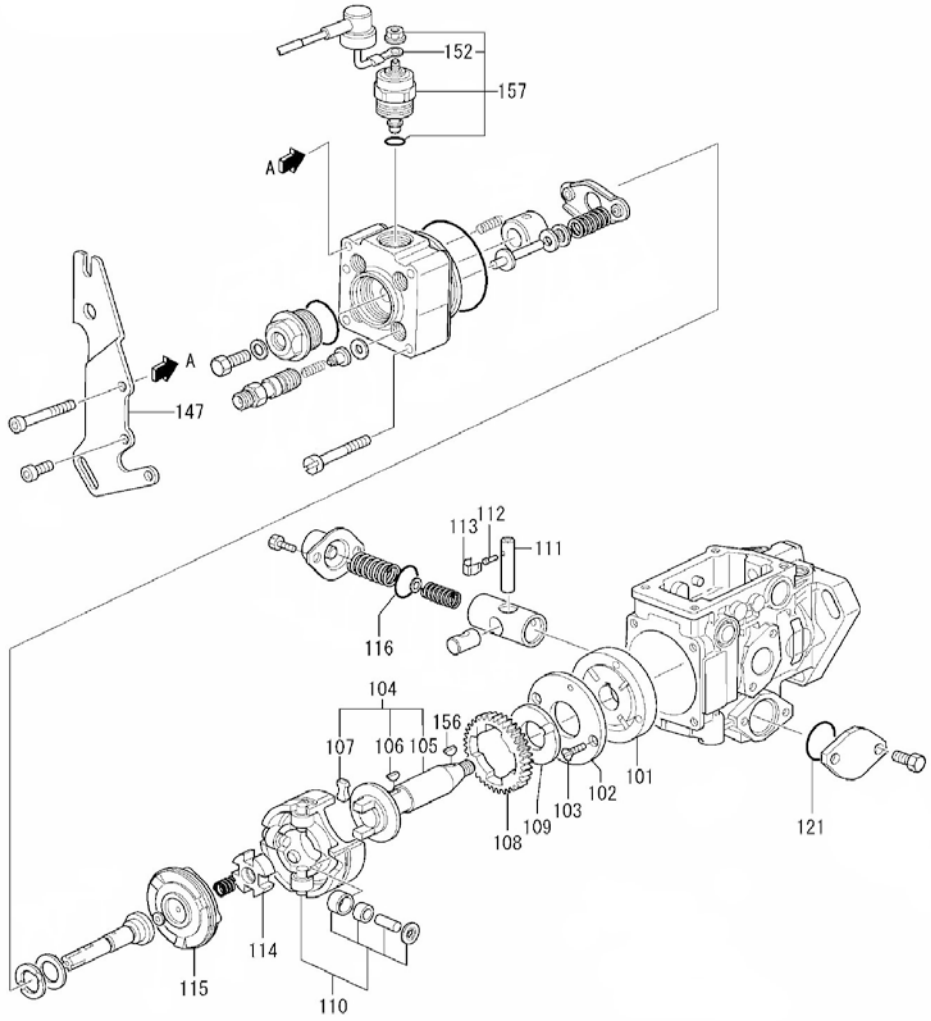


[VAR] Variable according to repair

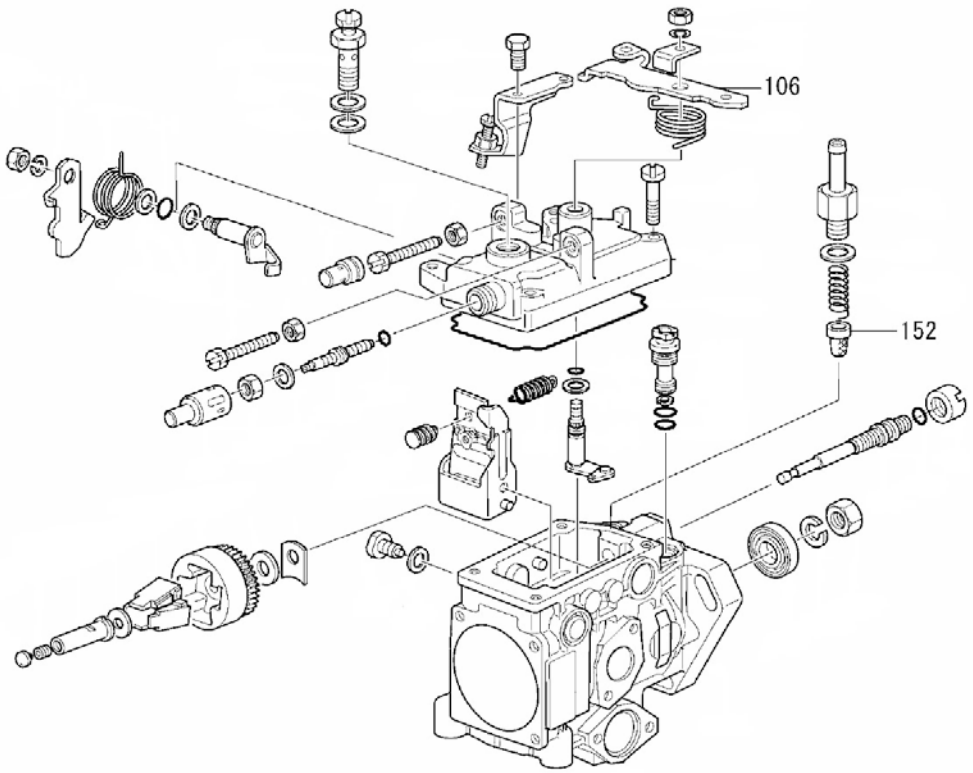
D_MI62_4_2			Injection Nozzle
FIG.	**REF.**	**QTY**	**DESCR.**
3BF	13826011	0	Washer 1,30 [VAR]
3BG	17126027	0	Washer 1.075 [VAR]
3BH	17126043	0	Washer 1.475 [VAR]
3BI	17126049	0	Washer 1.625 [VAR]
3BJ	17126047	0	Washer 1.575 [VAR]
3BK	17126021	0	Washer 0.925 [VAR]
3BL	17126060	0	Washer 1.900 [VAR]
3BM	17126035	0	Washer 1.275 [VAR]
3BN	17126032	0	Washer 1.200 [VAR]
3BO	17126054	0	Washer 1.750 [VAR]
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



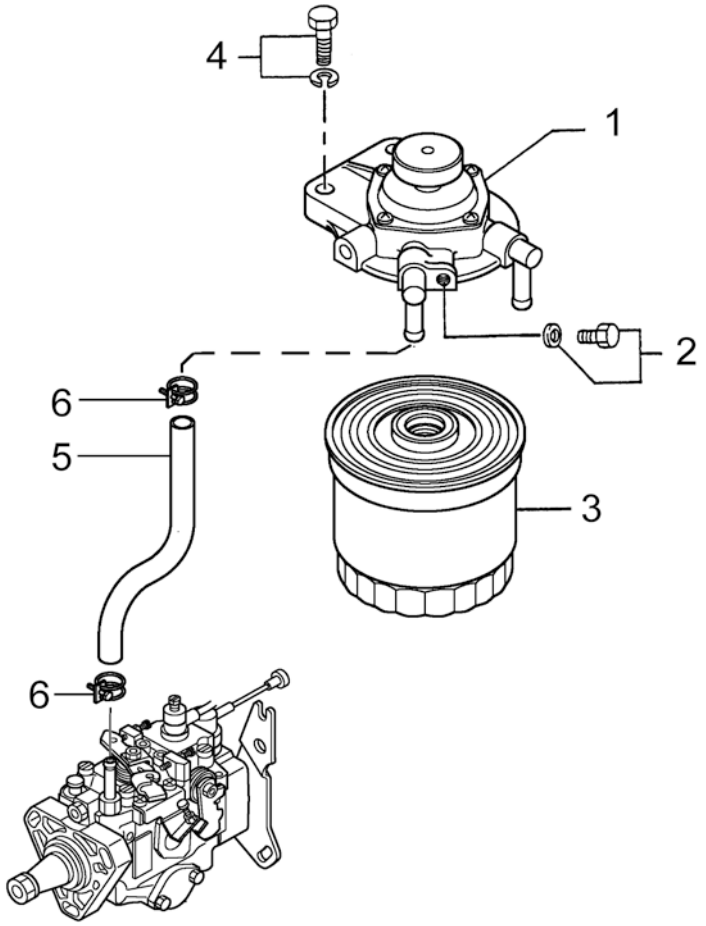
D_MI62_4_3			Fuel Injection Pump 1/2
FIG.	**REF.**	**QTY**	**DESCR.**
1	17125001.2	1	Pump Assy,INJ
101	17125001.1.01	1	Feed Pump
102	17125001.1.02	1	Cover POMPE
103	17125001.1.03	2	Screw
104	17125001.1.04	1	Shaft,Drive
105	17125001.1.05	1	Shaft,Drive
106	17125001.1.06	1	KEY,WOODRUFF
107	17125001.1.07	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
116	17125001.1.121	1	O-Ring D. 30X3
121	17125001.1.121	1	O-Ring D. 30X3
147	17125038.1	1	Bracket
152	17125302.1	1	Wire
156	17125060.2	1	KEY
157	17125300.1	1	Valve MAGNET



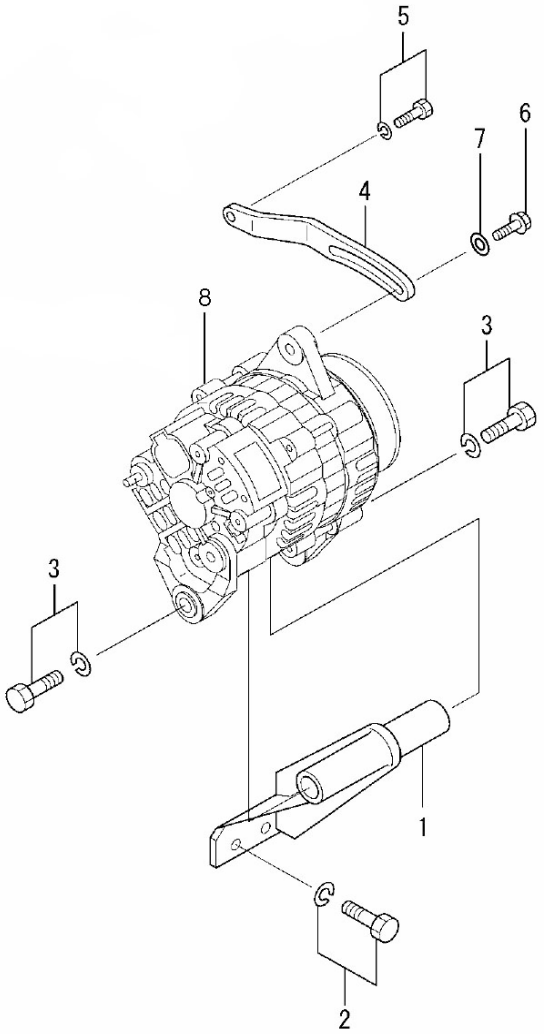
D_MI62_4_4			Fuel Injection Pump 2/2
FIG.	**REF.**	**QTY**	**DESCR.**
106	17125001.106	1	Lever (MARK 255)
152	17125001.1.152	1	Filter



D_MI62_4_5			Fuel Filter
FIG.	**REF.**	**QTY**	**DESCR.**
1	17124021	1	Body Assy
2	17124073	1	Plug,Air
3	17114022	1	Filter,element
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

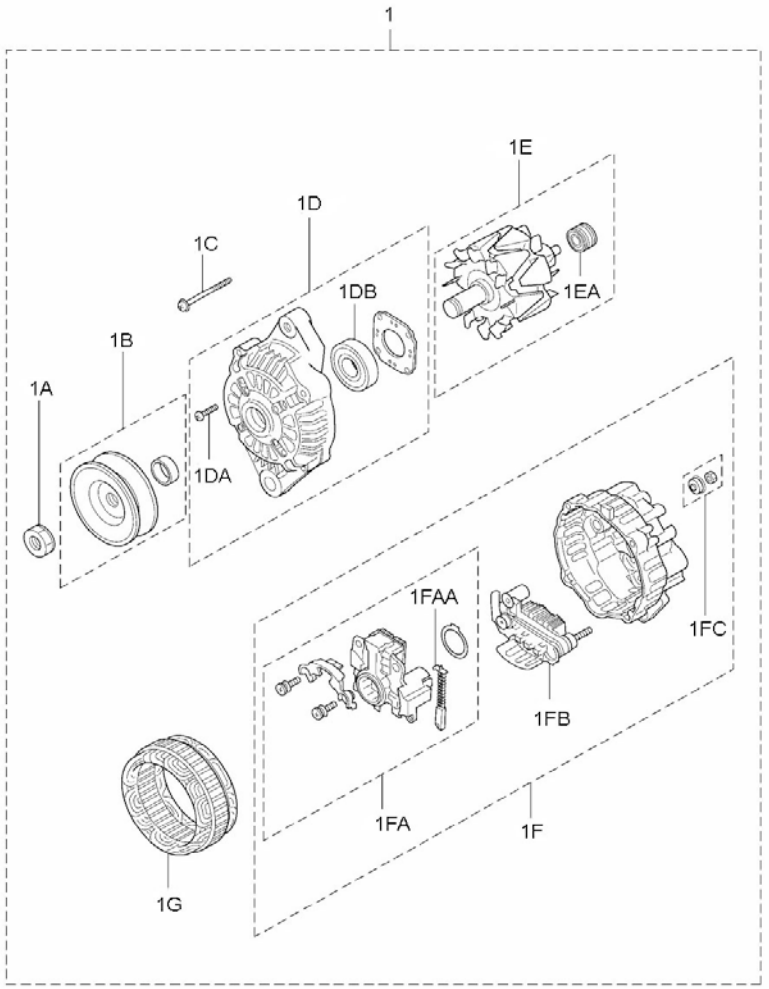


D_MI62_5_1			Kit Alternator 14V/110A
FIG.	**REF.**	**QTY**	**DESCR.**
1	17127002	1	Bracket Alternator
2	13322079	2	Bolt
3	52202309	2	Bolt DIN 933 M10-1,25-30 8.8
4	17127007	1	BRACE Generator
5	17121012	1	Bolt, w/washer
6	13827012	1	Bolt
7	51031008	1	Washer DIN 9021 8
8	17127010	1	Alternator 12V/40A
NS	15217103	1	Belt Type AX 38 [NS]



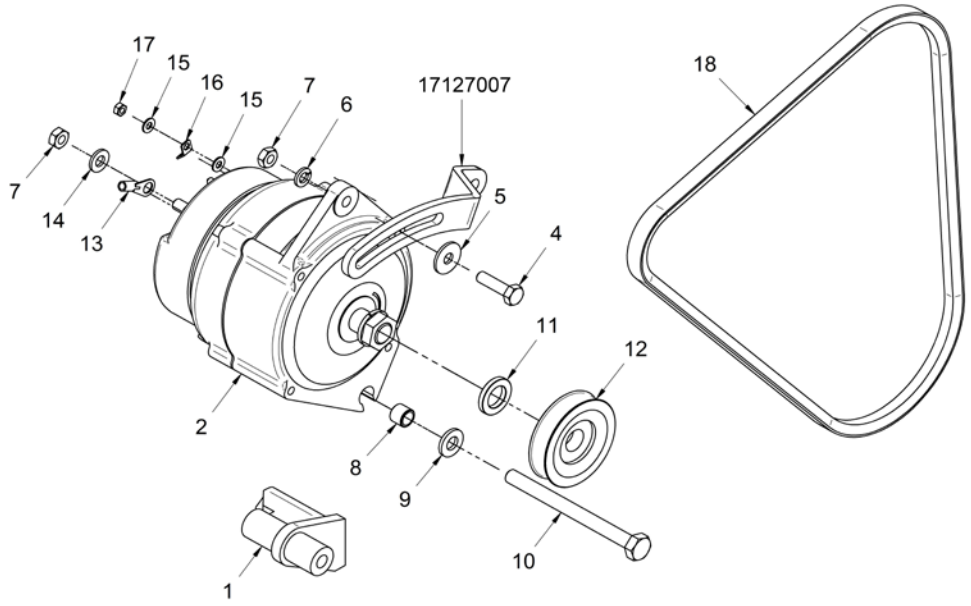
[NS] Not shown

D_17127010			Spare Parts Alternator
FIG.	**REF.**	**QTY**	**DESCR.**
1	17127010	1	Alternator 12V/40A
1A	17127050	1	Nut
1B	17127052	1	Pulley Assy
1C	17127053	1	Bolt, set thru
1D	*	1	Descripcion
1DA	17127055	1	Screw, set
1DB	17127056	1	Ball Bearing B17-102DG3
1E	17127057	1	Rotor Assy
1EA	17127058	1	Ball Bearing SC8A37LHl
1F	17427011G	1	Alternator 12V/50A
1FA	17127016	1	Regulator, Set
1FAA	17127065	2	Brush, set
1FB	17127067	1	RECTIFIER Assy
1FC	17127051	1	Nut Set
1G	17127059	1	STATOR Assy

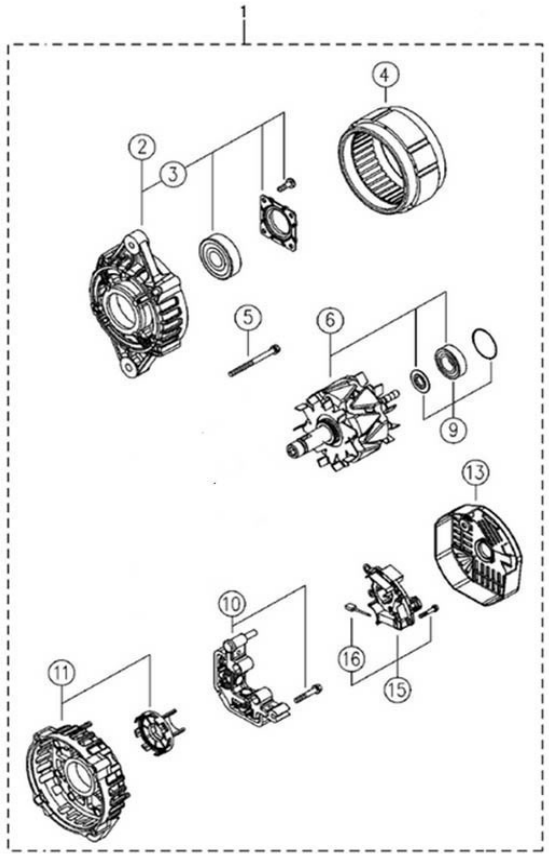


PARTS WITHOUT REF. NO. WILL NOT BE SUPPLIED.

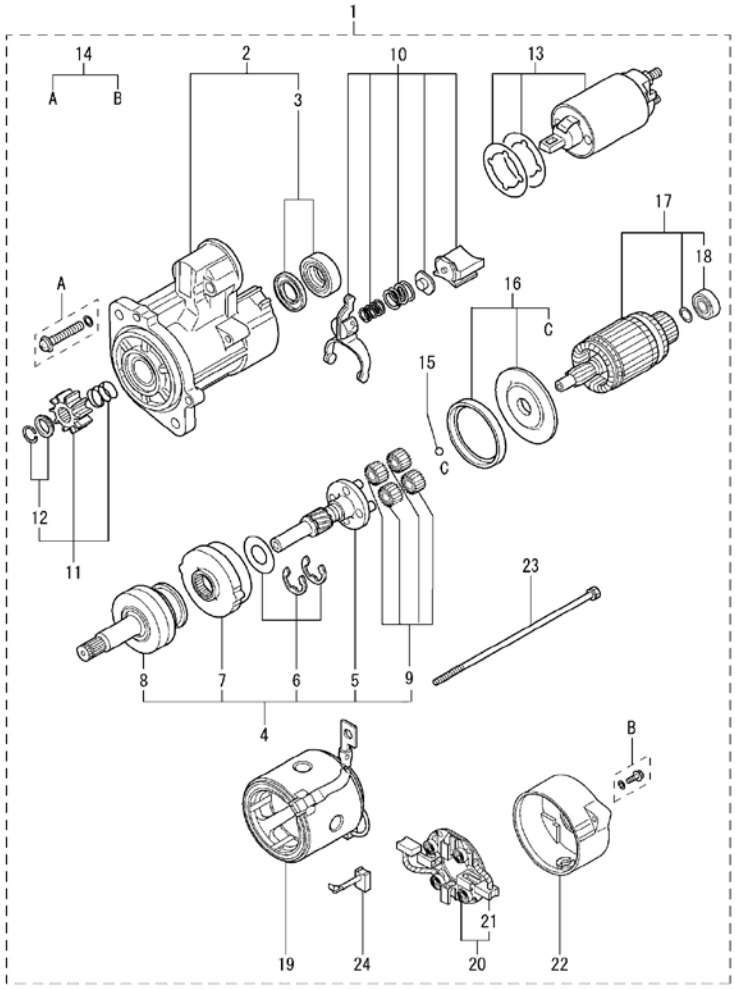
17117110			Kit Alternator 14V.95A.
FIG.	**REF.**	**QTY**	**DESCR.**
1	17127002.6	1	Bracket Alternator
2	17117016	1	Alt. 14V/95A
4	52102259	1	Bolt DIN 933 M8-30 8.8
5	51031008	1	Washer DIN 9021 8
6	53033008	1	Washer GROWER DIN 127-8
7	52120008	2	Nut DIN 934 M8 8.8
8	17417025	1	Spacer 13.5x10.2x11
9	51030010	1	Washer DIN 125-10
10	52101325	1	Bolt DIN 931 M10-120 8.8
11	13817016	1	Spacer 17X28X4
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	TFM.6.3.T.5.I	1	Straight Receptacle 6.3 Faston
17	52120005	1	Nut DIN 934 M5 8.8
18	17117021	1	Belt Type SPAX 1030



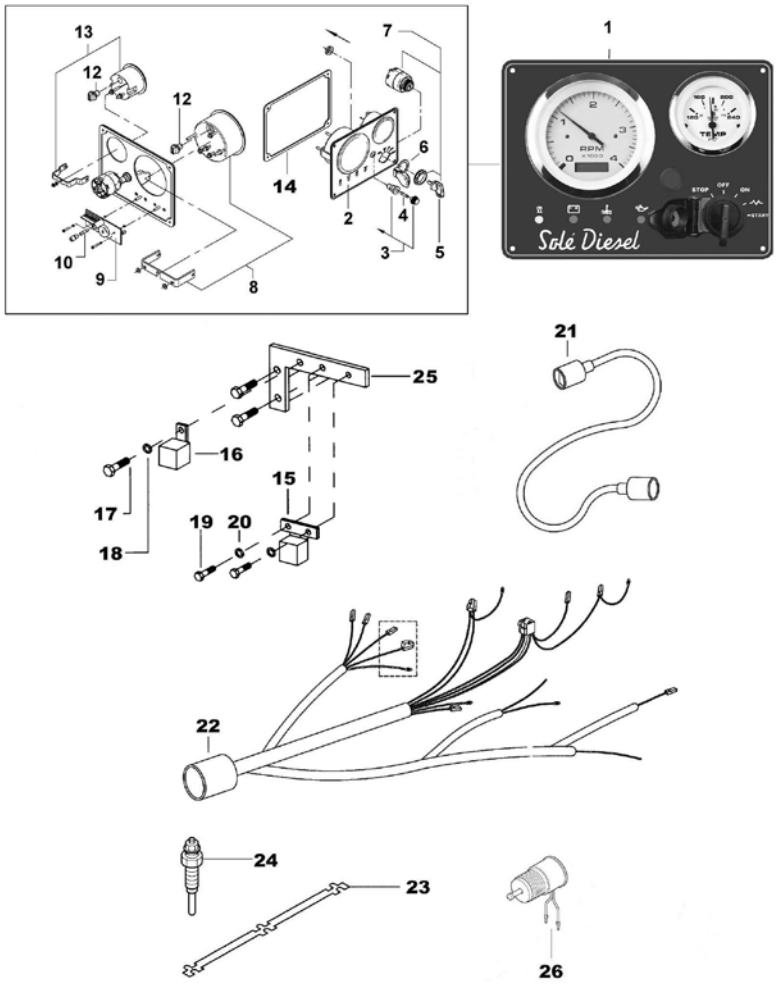
D_17117016			Spare Parts, 14V/95A Alternator
FIG.	**REF.**	**QTY**	**DESCR.**
1	17117016	1	Alt. 14V/95A
2	17117016.2	1	Front Bracket
3	13817012.3	1	Ball Bearing
4	17117016.4	1	Stator
5	17117016.5	1	Bolt Set
6	17117016.6	1	Rotor
9	17117016.9	1	Ball Bearing
10	17117016.10	1	RECTIFIER Assy
11	17117016.11	1	Rear Bracket
13	17117016.13	1	Protective Cover
15	17117016.15	1	Regulator



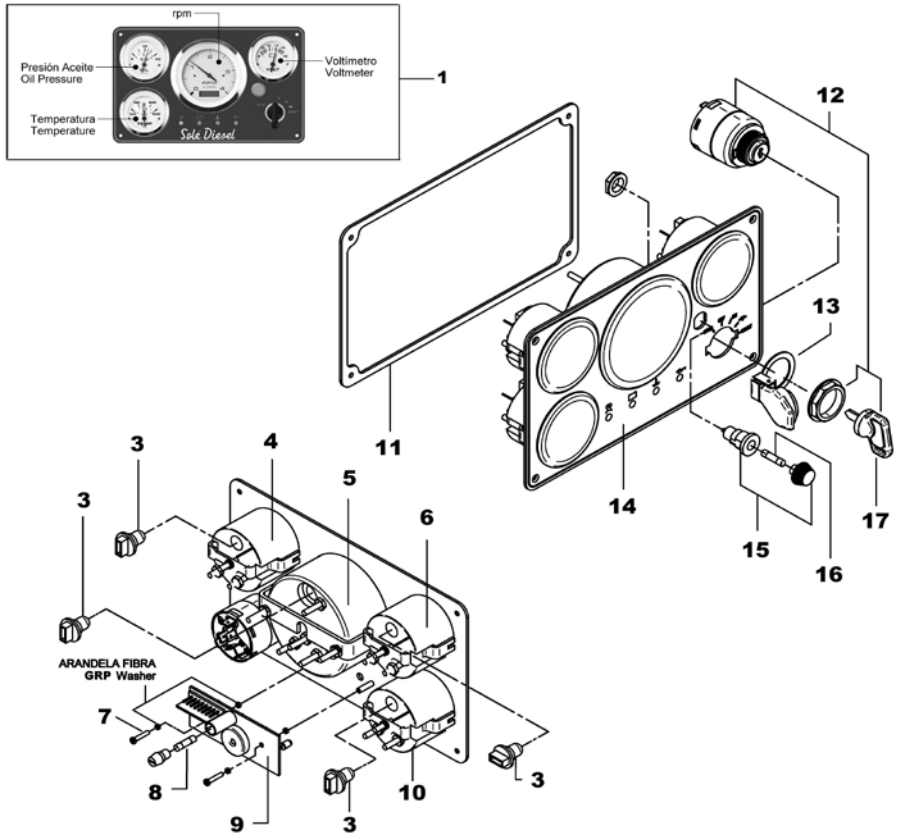
D_17127001			Spare Parts Starter
FIG.	**REF.**	**QTY**	**DESCR.**
1	17127001	1	Starter Assy
1A	17127102.1	1	Bracket Assy,Front
1AA	17427109G	1	Ball Bearing 6004-V
1B	17427112G	1	Shaft Assy,Clutch
1BA	17427113G	1	Shaft Assy,Gear
1BB	17327123	1	Washer Set
1BC	17327117	1	Gear Assy, INTERNAL
1BD	17427116G	1	Clutch,Over Running
1BE	17427115G	4	Gear Assy
1C	17427103G	1	Lever Assy
1D	17427117G	1	PinION Set
1DA	13427114	1	Stopper
1E	17127106.1	1	SWITCH Assy
1F	17327101	1	Screw Set
1G	17220028	1	Ball
1H	17327127	1	Ring
1I	17427108G	1	ARMATURE Set
1IA	17127110.2	1	Bearing
1J	17127119.1	1	Yoke Assy
1K	17327120	1	Holder Assy, Brush
1KA	17327124	4	Spring, Brush
1L	17427122G	1	Bracket Assy,REAR
1M	17127101	1	Bolt Set
1N	17327125	2	Brush



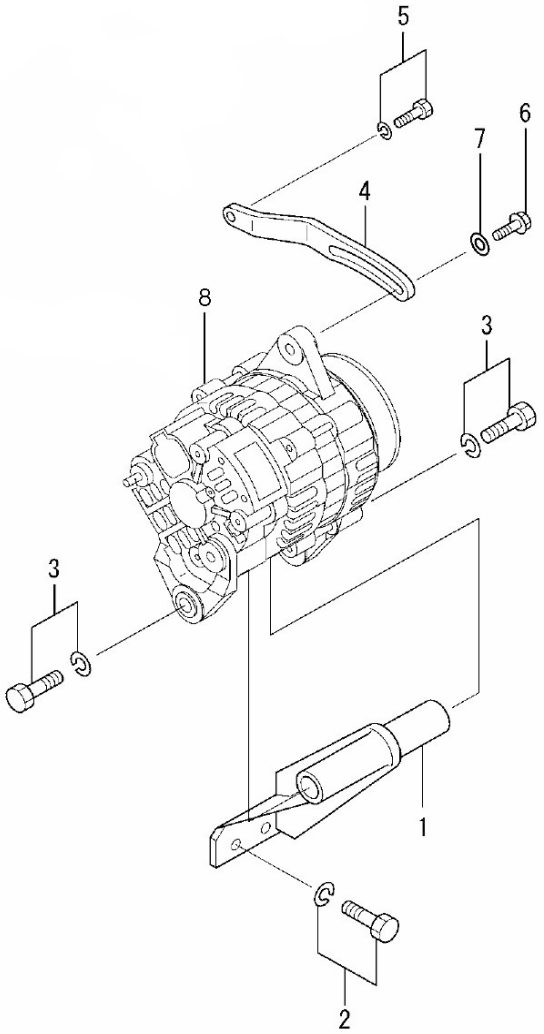
D_MI62_5_5			12V Electrical Wiring
FIG.	**REF.**	**QTY**	**DESCR.**
1	60971125.2	1	Panel TE2 MINI-62
2	60938005	1	Panel N.2
3	60900121	1	FuseHolder, panel
4	60900118	1	Fuse 10 A.
5	60900036	1	Key,Starter Switch
6	60900038	1	Cover,KEY
7	60900037	1	Key-Locking
8	60971910	1	TACHOMETER MINI-62
9	60900301.2	1	Integrated Circuit Plate 12V Protection
10	60900119	1	Fuse 0.5A
12	60900929	2	Bulb 12V
13	60900915R	1	Water Gauge 12 V
14	60938006	1	Gasket Panel
15	13827005	1	GLOW Relay
16	13817005	1	Relay 6V
17	52102104	1	Bolt DIN 933 M5-10 8.8
18	51030005	1	Washer DIN 125-5
19	52102155	2	Bolt DIN 933 M6-12 8.8
20	51030006	2	Washer DIN 125-6
21	60985210	1	Engine Wiring Ext. 4 M.
22	60971200R.2	1	MINI-62 Electrical Wiring
23	17127018	1	Plate, Connection
24	17127017	4	Plug, glow
25	17117001	1	Support,relay
26	17125300.1	1	Valve MAGNET



D_MI62_5_6			Deluxe Instrument Panel
FIG.	**REF.**	**QTY**	**DESCR.**
1	60971127.2	1	Panel TE3 MINI-62
3	60900929	4	Bulb 12V
4	60900925R	1	VOLTMETER 12 V
5	60971910	1	TACHOMETER MINI-62
6	60900920R	1	Oil Pressure Gauge 12 V
7	54108003	1	Bolt DIN 84 M3-8 INOX.
8	60900119	1	Fuse 0.5A
9	60900301.2	1	Integrated Circuit Plate 12V Protection
10	60900915R	1	Water Gauge 12 V
11	60990006	1	Gasket Panel
12	60900037	1	Key-Locking
13	60900038	1	Cover,KEY
14	60990005	1	Panel N.3
15	60900121	1	FuseHolder, panel
16	60900118	1	Fuse 10 A.
17	60900036	1	Key,Starter Switch

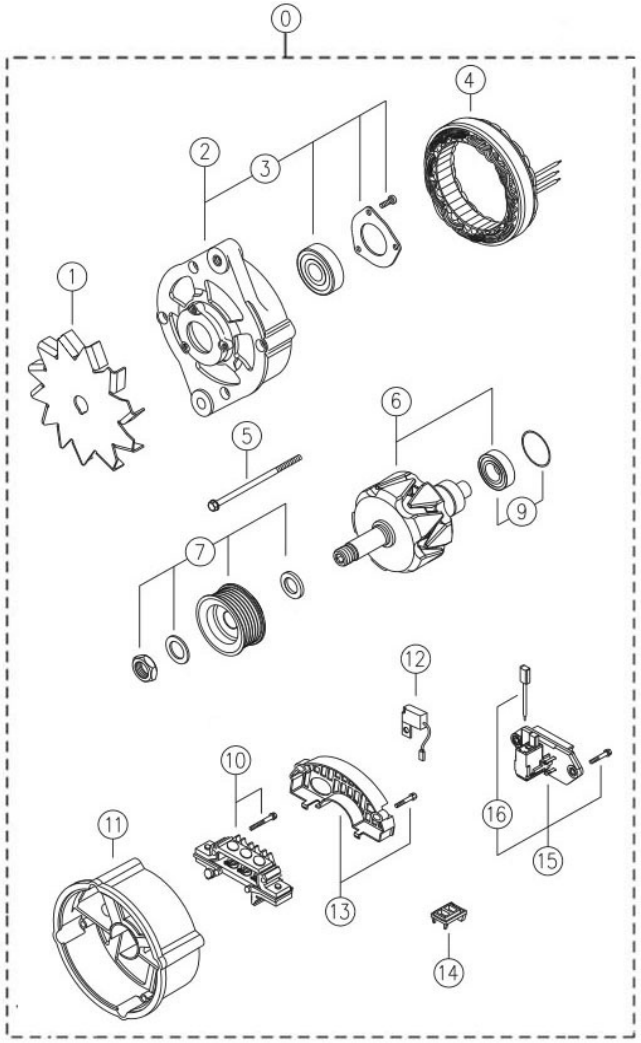


D_MI62_6_1			Kit Alternator 28V/55A
FIG.	**REF.**	**QTY**	**DESCR.**
1	17127002.4	1	Alternator Bracket, ISKRA 28V/55A
2	13322079	2	Bolt
3	52202309	2	Bolt DIN 933 M10-1,25-30 8.8
4	17127007.1	1	BRACE Generator
5	17121012	1	Bolt, w/washer
6	13827012	1	Bolt
7	51031008	1	Washer DIN 9021 8
8	17417024	1	Alternator 28V/55A
NS	17117022	1	Pulley Alternator, Type A [NS]
NS	17117021	1	Belt Type SPAX 1030 [NS]

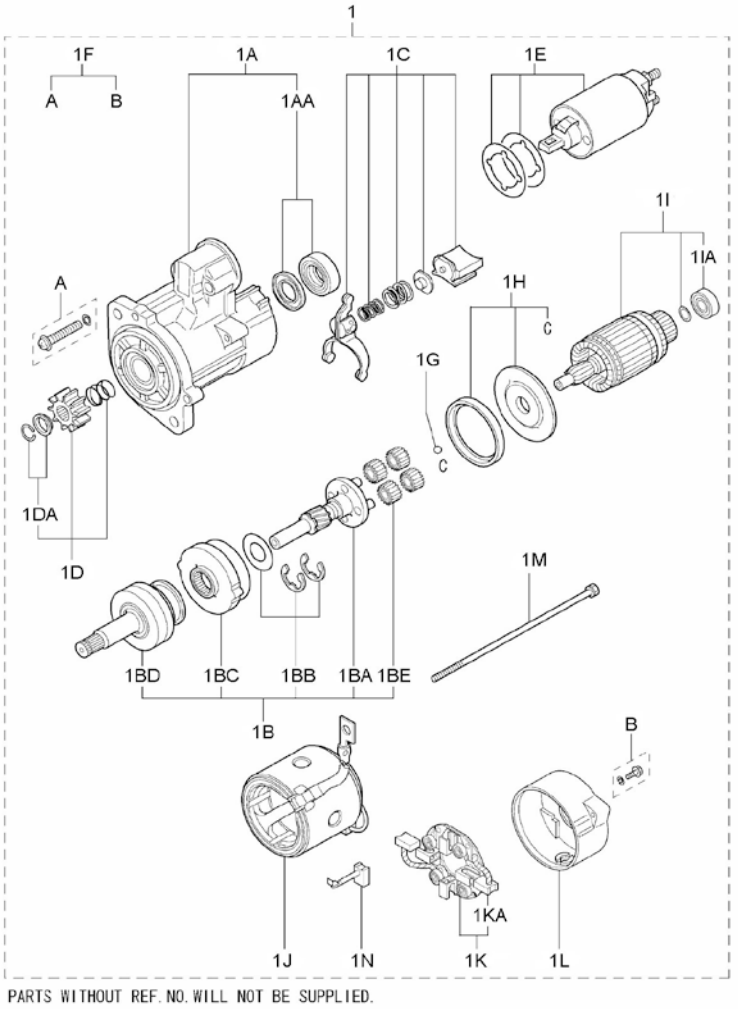


[NS] Not shown

D_17417024			Spare Parts Alternator
FIG.	**REF.**	**QTY**	**DESCR.**
0	17417024	1	Alternator 28V/55A
1	17417021.1	1	FAN
2	17417021.2	1	Drive END Bracket
3	17417021.3	1	Bearing With Cover
4	17417021.4	1	STATOR
5	17417021.5	1	THROUGH FIXING Bolt
6	17417021.6	1	Rotor
7	17417021.7	1	Pulley
9	17417021.9	1	Ball Bearing 6002-LU
10	17417021.10	1	RECTIFIER
11	17417021.11	1	SLIP Ring END Bracket
12	17417021.12	1	Capacitor
13	17417021.13	1	Cover REGULATOR
15	17417021.15	1	REGULATOR



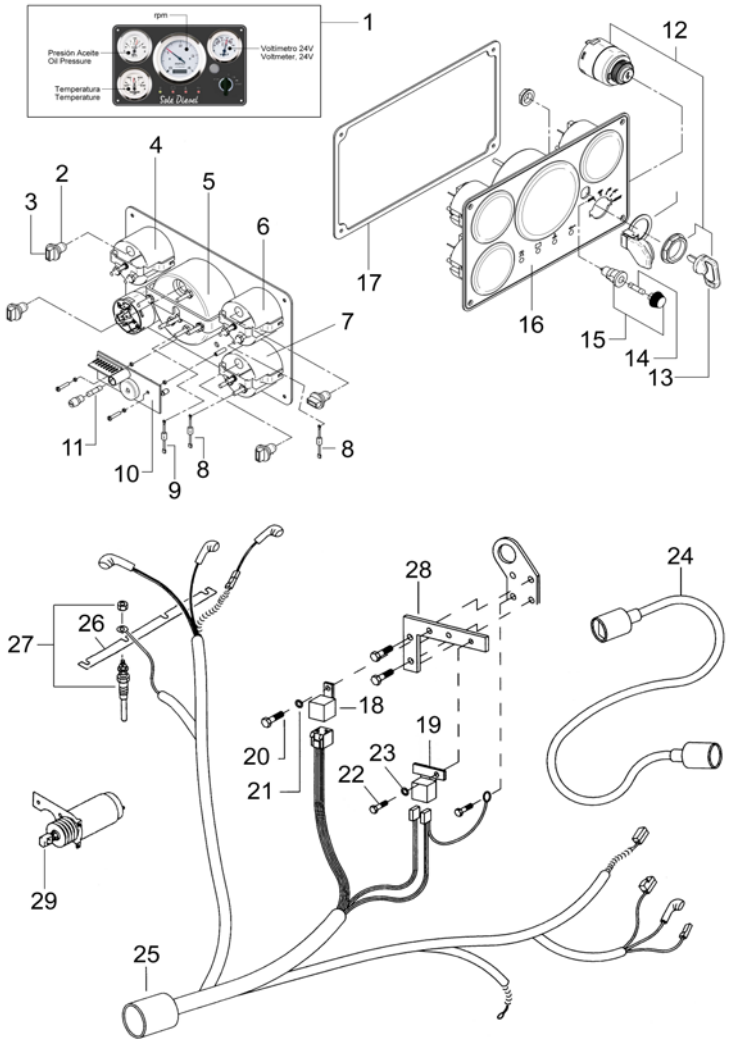
D_17127001.2			Spare Parts Starter
FIG.	**REF.**	**QTY**	**DESCR.**
1	17127001.2	1	Starter Assy 24V
1A	17127102.2	1	Bracket Assy,Front [NP]
1AA	17427109G	1	Ball Bearing 6004-V
1B	17127112.2	1	Shaft Assy,clutch [NP]
1BA	17427113G	1	Shaft Assy,Gear
1BB	17327123	1	Washer Set
1BC	17127117.2	1	Gear Assy
1BD	17427116G	1	Clutch,Over Running
1BE	17427115G	4	Gear Assy
1C	17127103.2	1	Lever Assy [NP]
1D	17427117G	1	PinION Set
1DA	13427114	1	Stopper
1E	17127106.2	1	Switch Assy [NP]
1F	17327101	1	Screw Set
1G	17220028	1	Ball
1H	17327127	1	Ring
1I	17127108.2	1	Armature Assy [NP]
1IA	17127110.2	1	Bearing
1J	17127119.2	1	Yoke Assy [NP]
1K	17127120.2	1	Brush Holder Assy
1KA	17327124	4	Spring, Brush
1L	17427122G	1	Bracket Assy,REAR
1M	17127101	1	Bolt Set
1N	17127125.2	2	Brush



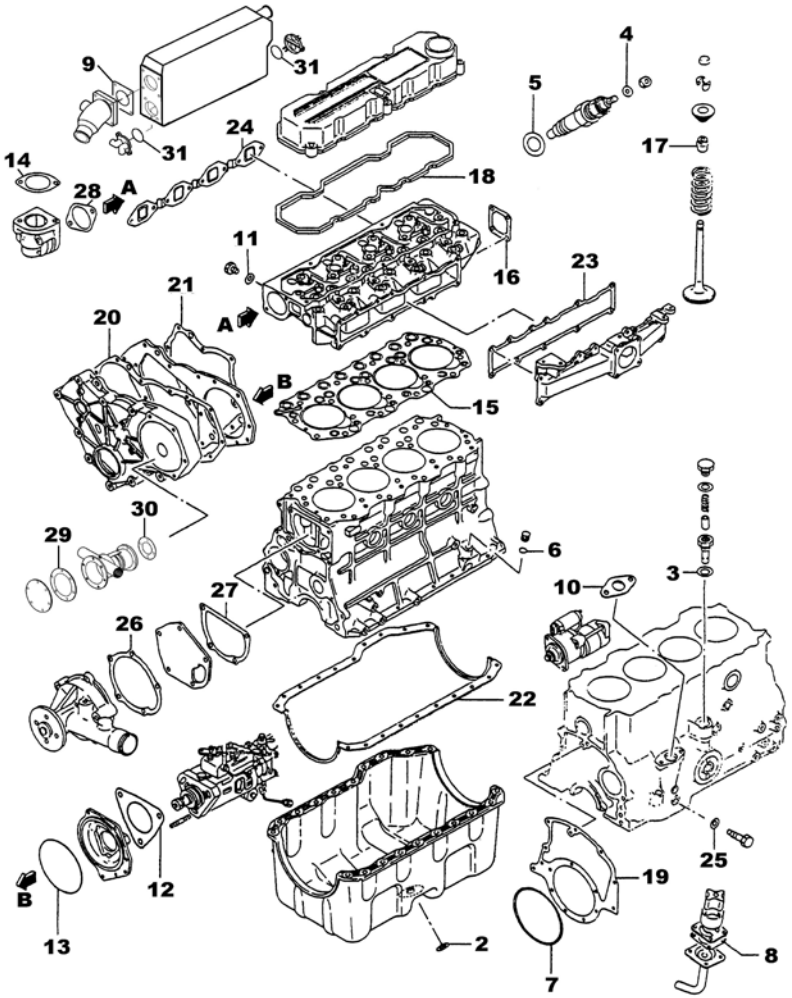
PARTS WITHOUT REF. NO. WILL NOT BE SUPPLIED.

[NP] Not provided

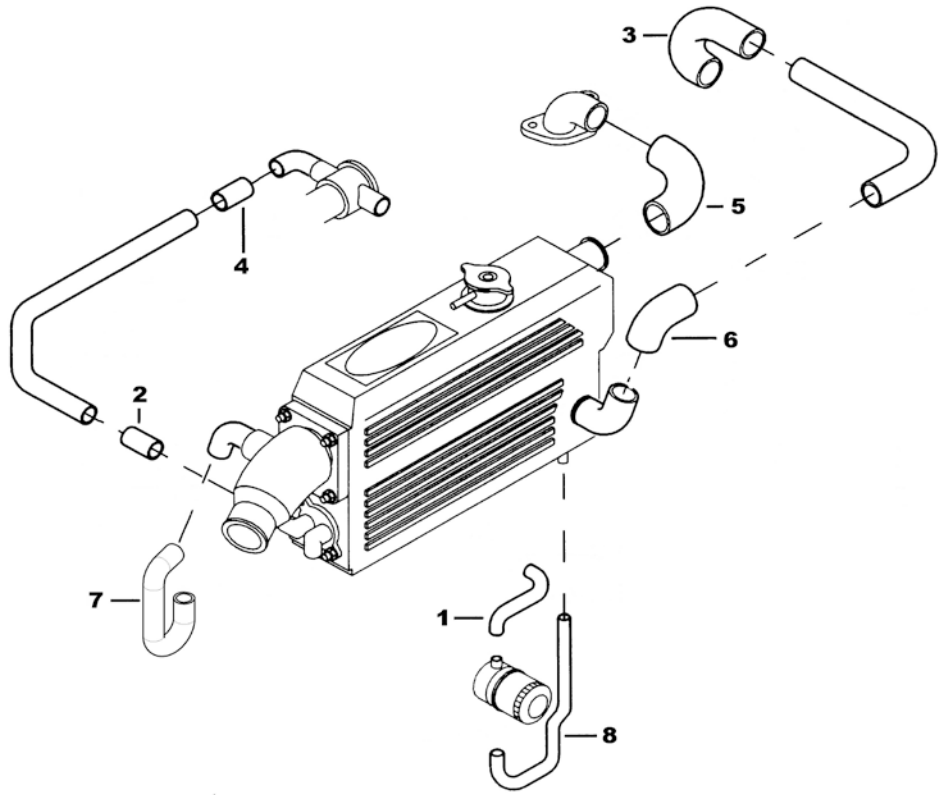
D_MI62_6_5			24V Electrical Wiring
FIG.	**REF.**	**QTY**	**DESCR.**
1	60971130	1	Panel DeLuxe 24V GRADUADO
2	60900930	3	Bulb GE400 WEDGE BASE 24V
3	60900931	3	SOCKET,WEDGE BASE
4	60900926R	1	VOLTMETER 24 V
5	60971911	1	Tachometer MINI-62 24V.
6	60900921R	1	Oil Pressure Gauge 24 V
7	60900916R	1	Water Gauge 24 V
8	60900933	2	VOLTAGE REDUCER 7W
9	60900932	1	VOLTAGE REDUCER 5W
10	60900302.1	1	Integrated Circuit Plate 24V
11	60900119	1	Fuse 0.5A
12	60900037	1	Key-Locking
13	60900036	1	Key,Starter Switch
14	60900118	1	Fuse 10 A.
15	60900121	1	FuseHolder, panel
16	60990005	1	Panel N.3
17	60990006	1	Gasket Panel
18	19017005	1	Relay 24V 24/22A
19	17417005	1	Relay 24V 24-100
20	52102104	1	Bolt DIN 933 M5-10 8.8
21	51030005	1	Washer DIN 125-5
22	52102155	2	Bolt DIN 933 M6-12 8.8
23	51030006	2	Washer DIN 125-6
24	60985210	1	Engine Wiring Ext. 4 M.
25	60971200R.2	1	MINI-62 Electrical Wiring
26	17127018	1	Plate, Connection
27	17527017.2	4	Glow Plug 24V
28	17117001	1	Support,relay
29	17125301A	1	SOLENOID 24V.



D_17120101			Gasket Kit
FIG.	**REF.**	**QTY**	**DESCR.**
1	17120101	1	Kit Gasket
2	56000219	1	Washer 14-20-3
3	17124063	1	Gasket
4	13824025	4	Gasket
5	13824013	4	Gasket
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	1	Gasket
15	17121004	1	Gasket, cyl.head
16	17121011	1	Gasket, head
17	17122054	8	Seal,Valve Stem
18	17121010	1	Gasket,Rocker
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	17111021	1	Gasket
29	34711003	1	Gasket Cover
30	13310013	1	Gasket,water pump
31	18011008	2	O-Ring D. 72X3

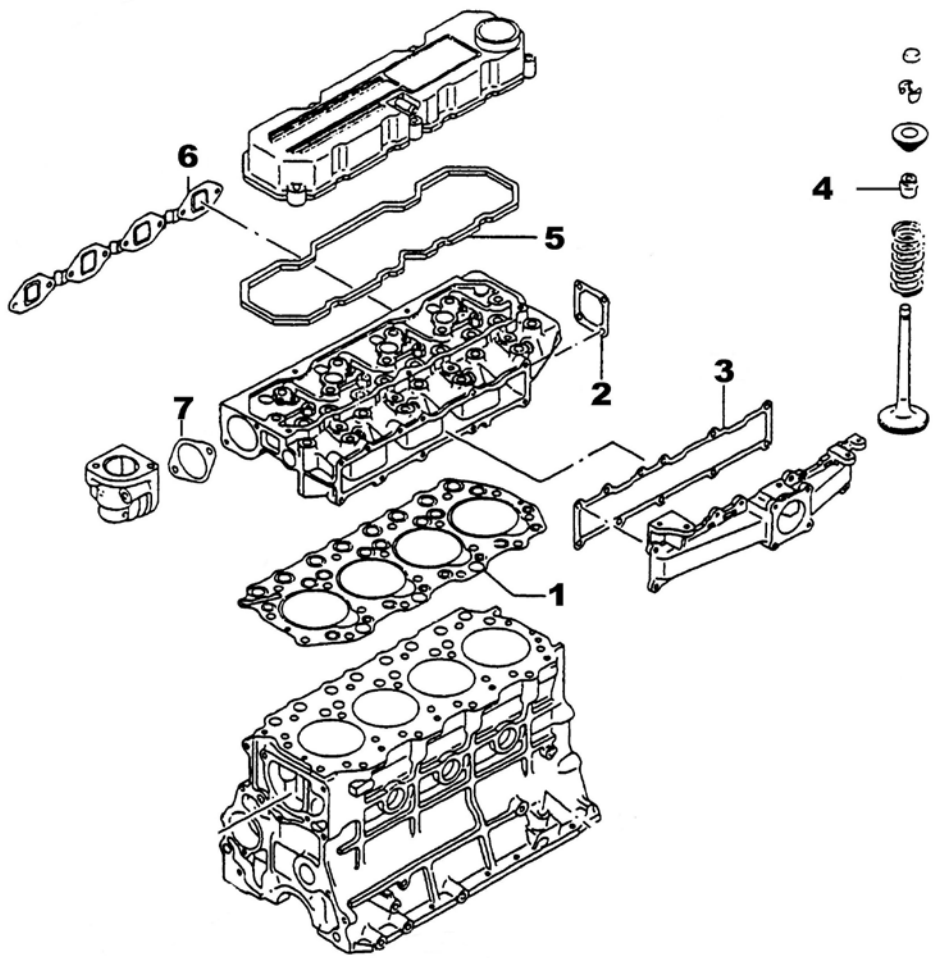


17111100			Pipe Rubber Set,water line
FIG.	**REF.**	**QTY**	**DESCR.**
1	15211026	1	Elbow,rubber
2	16111012	1	Hose
3	16711016	1	Rubber Elbow
4	17111016	1	Pipe
5	17111018	1	Elbow
6	17111022	1	Elbow
7	17111025	1	Elbow 30-40-335
8	18011020	1	Pipe
NS	60535008	1	Pipe 30-40-65 [NS]
NS	13611038	1	Pipe 30-40-75 [NS]

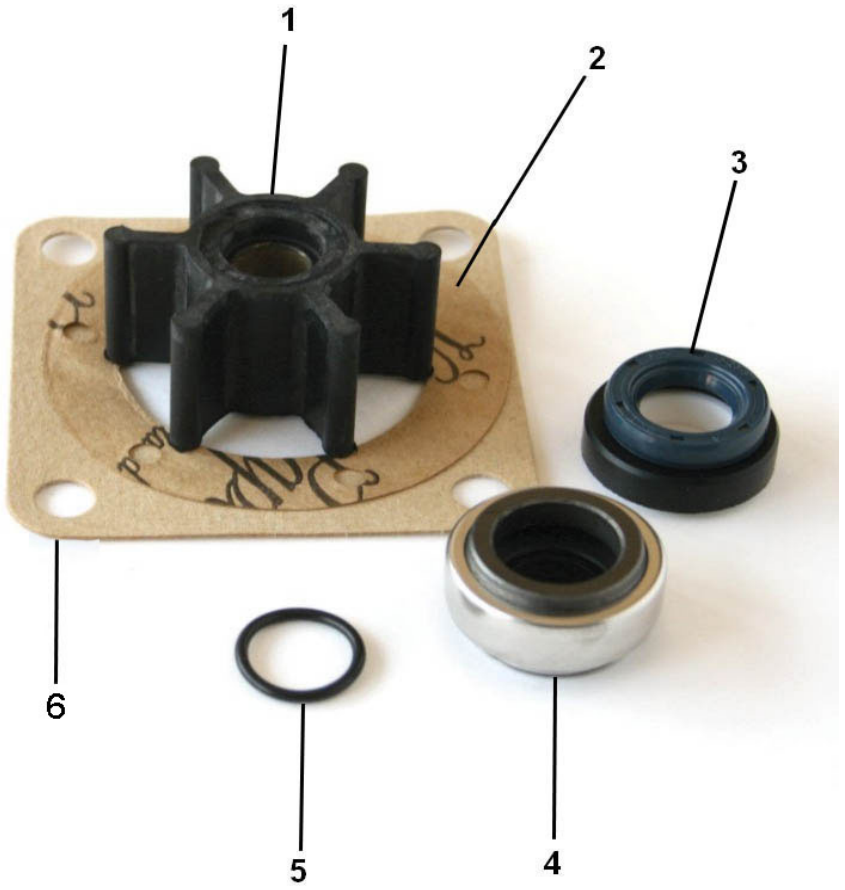


[NS] Not shown

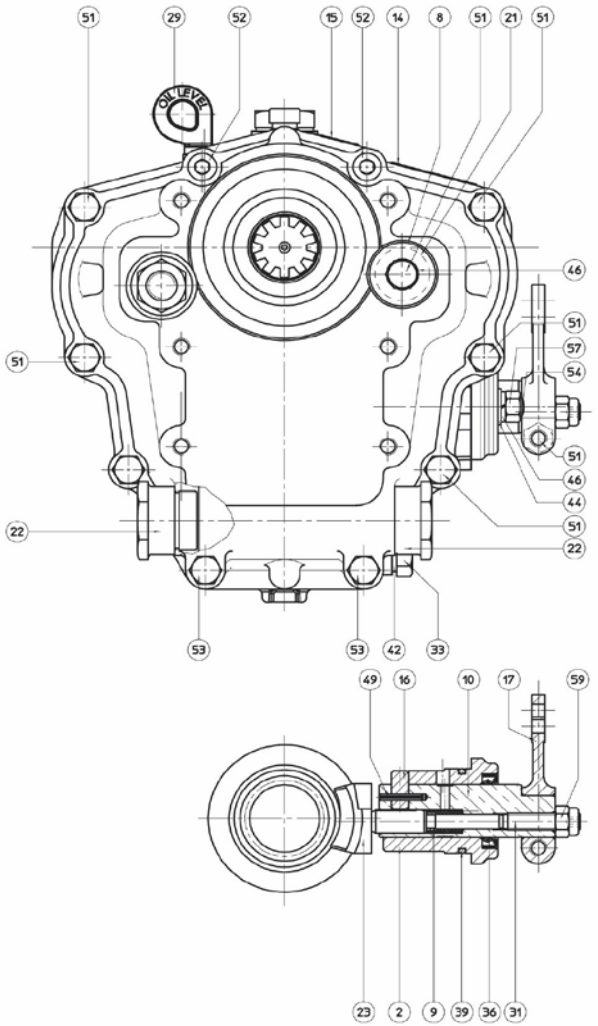
17120101.1			Gasket Kit
FIG.	**REF.**	**QTY**	**DESCR.**
1	17121010	1	Gasket,Rocker
2	17122054	8	Seal,Valve Stem
3	17121011	1	Gasket, head
4	17121032	1	Gasket, in manifold
5	17121004	1	Gasket, cyl.head
6	17111021	1	Gasket
7	17121035	1	Gasket, Exhaust Manifold



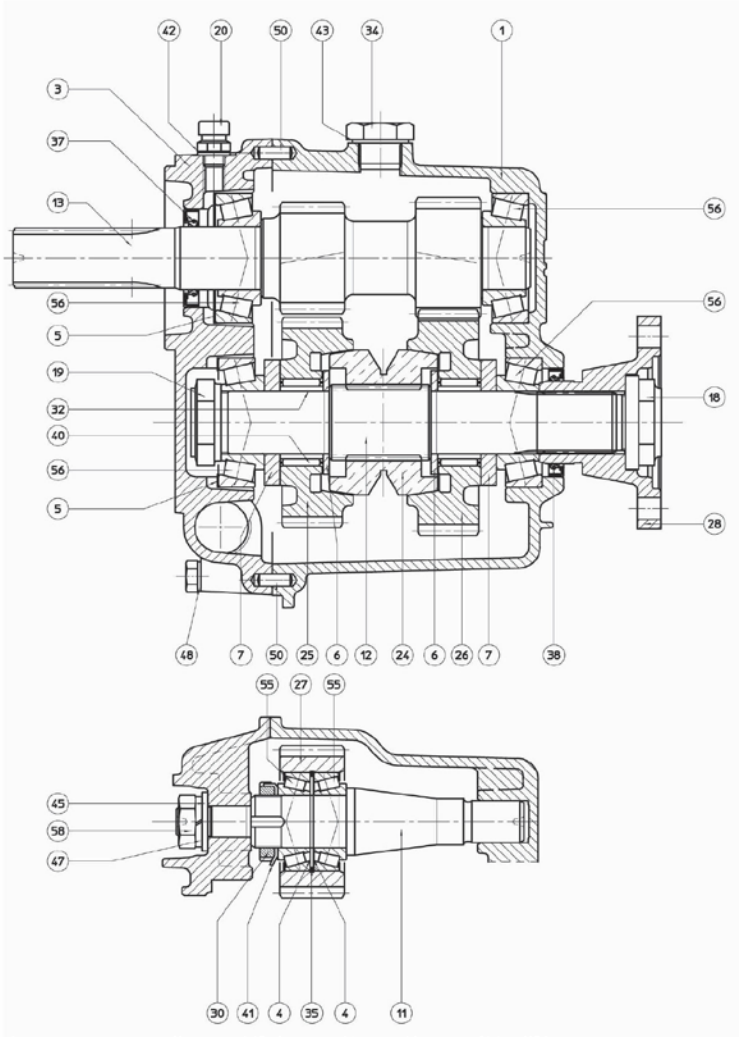
36511000K			Repair Kit Water Pump 1"
FIG.	**REF.**	**QTY**	**DESCR.**
	M00000108	1	----------
1	34711008	1	1" Impeller
2	34711003	1	Gasket Cover
3	36511020	1	Seal 16-30-7
4	36511019	1	Seal
5	33311013	1	O-Ring D. 15X2
6	13310013	1	Gasket,water pump



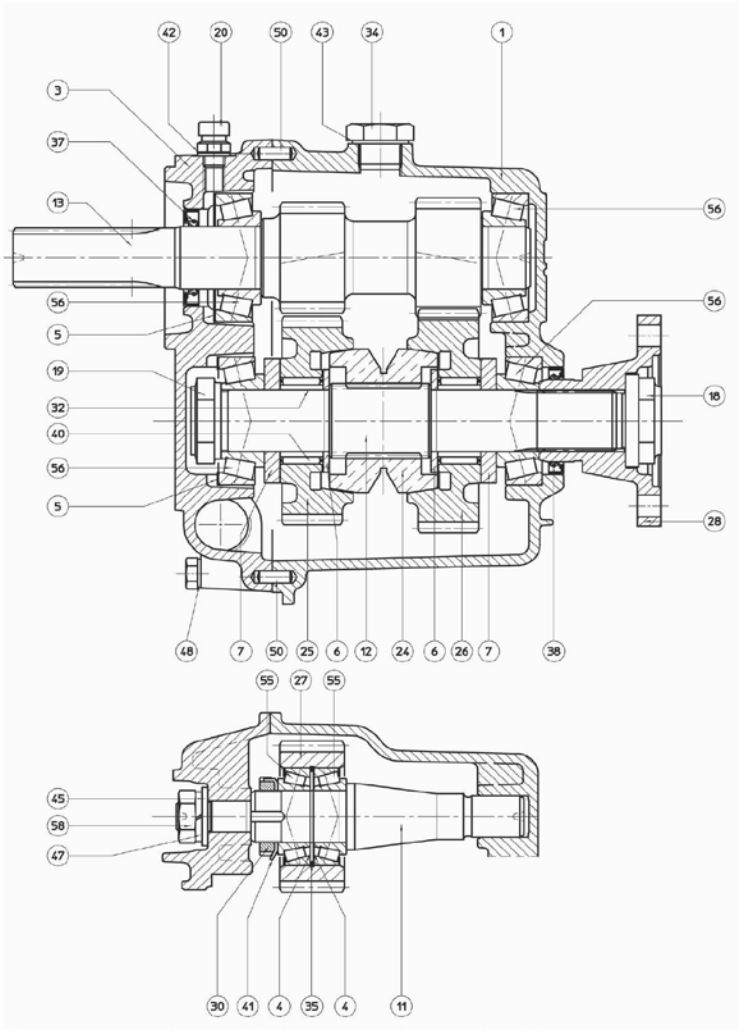
D_5036_1			Sheet 1/2
FIG.	**REF.**	**QTY**	**DESCR.**
2	24880401	1	Cover
8	24880306	1	Washer
9	24860411	1	Spring
10	24880402	1	Shaft
14	24850005	1	Plate, IDENTIFICATION
15	24860006	1	ATF Oil Plate
16	24860419	1	Pin
17	24810424	1	Lever
21	24880311	1	Plug
22	24880038	2	Plug
23	24880423	1	Pad
29	24860008P	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



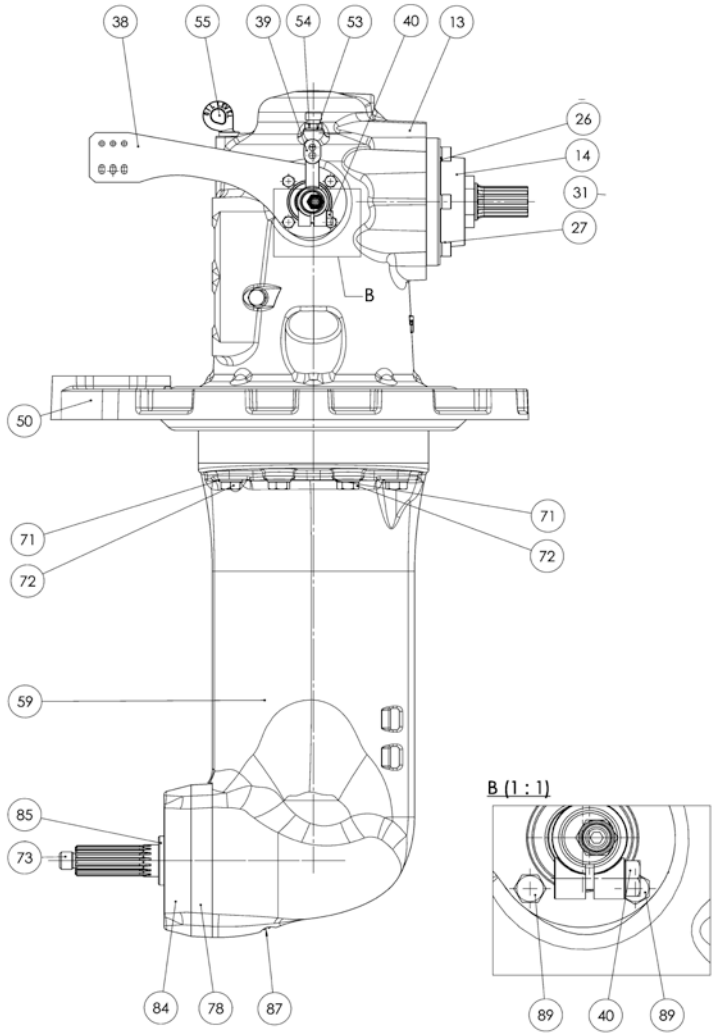
D_5036_2			Sheet 2/2
FIG.	**REF.**	**QTY**	**DESCR.**
1	24880002P	1	Box
3	24880001	1	Cover
4	24880305	2	Spacer
5	24813500.67	6	Spacer
6	24880218	2	Shim
7	24880217	2	Shim
11	24880301	1	INTERMEDIATE Shaft
12	24880201	1	Shaft Output
13A	24882101P	1	Input Shaft
13B	24883101P	1	Input Shaft
13C	24884101	1	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
25B	24882203	1	Gear
25C	24884203	1	Gear
25D	24884203	1	Gear
26A	24882203	1	Gear
26B	24883210	1	Gear
26C	24884210	1	Gear
26D	24885210	1	Gear
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
42	24810063	2	Plane Washer



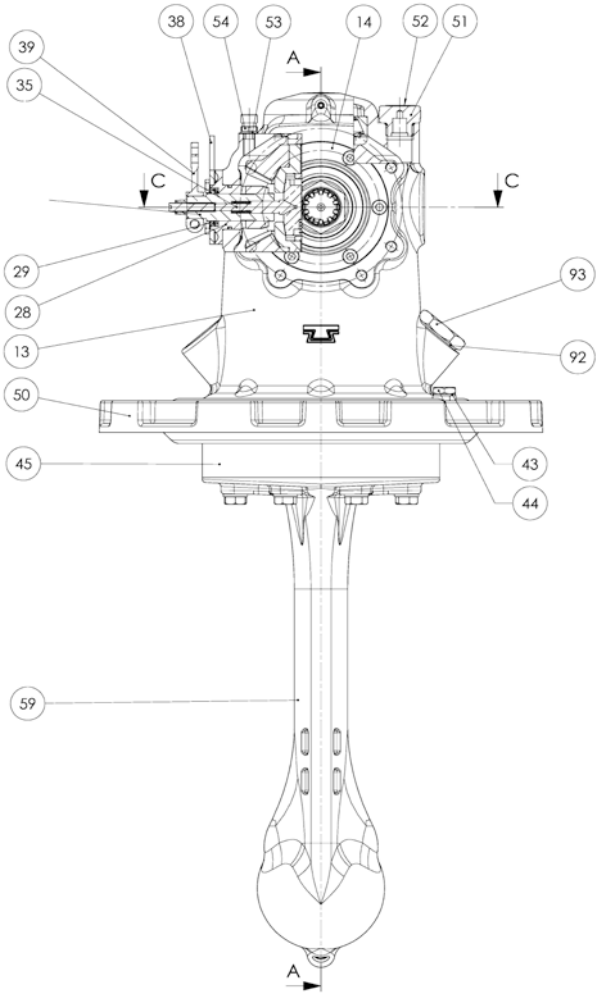
D_5036_2			Sheet 2/2
FIG.	**REF.**	**QTY**	**DESCR.**
43	56000083	1	Washer 21-26-1,5
45	51030014	1	Washer DIN 125-14
47	53033014	1	Washer GROWER DIN 127-14
48	24850093	10	Washer
50	24860023	2	Pin
55	24860206	2	Conical Roller Bearing 32005
56	25710104	4	Conical Roller Bearing 32206-J2/Q
58	24880307	1	Nut



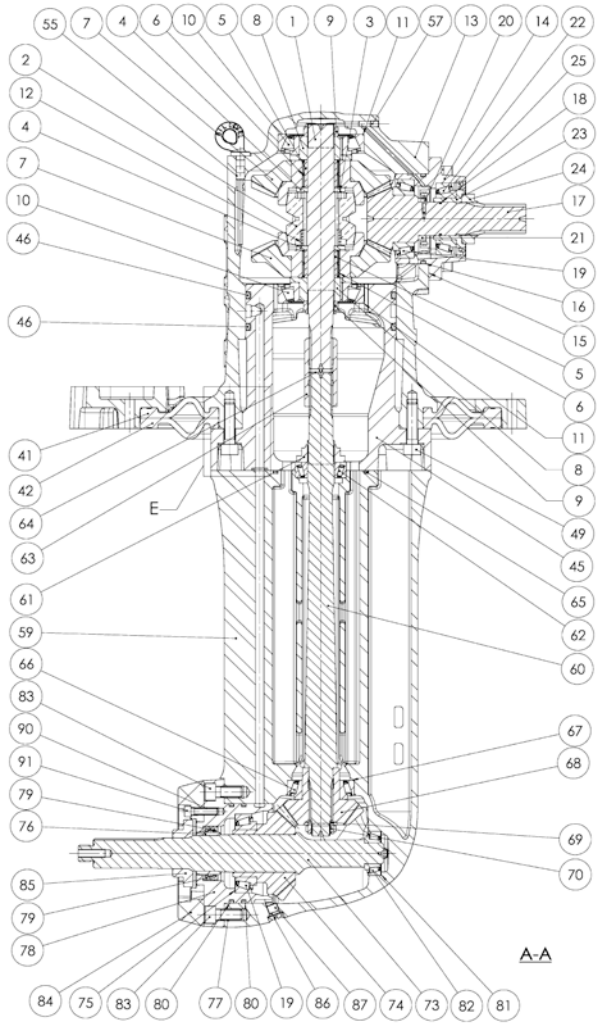
D_5037_1			Sheet 1/4
FIG.	**REF.**	**QTY**	**DESCR.**
13	24813500.13	1	Body
26	24813500.26	6	Washer
27	52103259	6	Bolt DIN 912 M8-30 8.8
38	24813500.38	1	Bracket Control
39	24810424	1	Lever
40	52102258	1	Bolt DIN 933 M8-25 8.8
50	24813500.50	1	Flange CLOSING MEMBRANE
53	24810063	2	Plane Washer
54	24810065	1	Plug
55	24813500.55	1	Gauge Oil LEVEL
59	24813500.59	1	Body
71	24813500.71	8	Washer
72	24813500.72	8	Screw
73	24813500.73	1	Propeller Shaft
78	24813500.78	1	Body
84	24813500.84	1	Anode SP60
85	24813500.85	1	Spacer
87	24813500.87	1	Plug,oil drain
89	52102154	4	Bolt DIN 933 M6-10 8.8



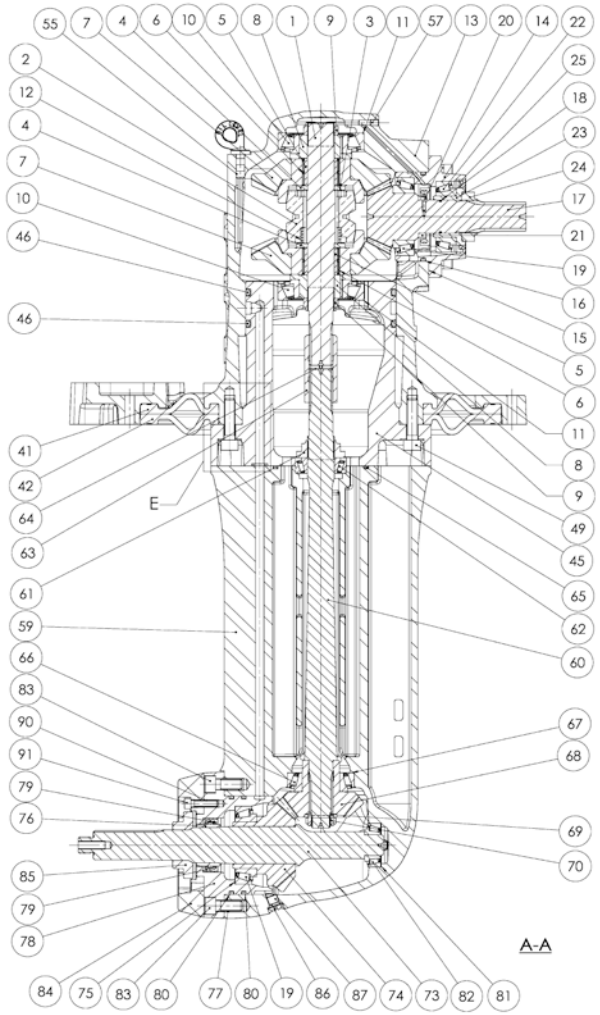
D_5037_2			Sheet 2/4
FIG.	**REF.**	**QTY**	**DESCR.**
14	24813500.14	1	Body
28	24813500.28	1	Body Control
29	24860404	1	Oil Seal
31	24860402	1	Shaft
35	24860423	1	PAD
43	24810522	1	Washer
44	24813500.44	1	Plug
45	24813500.45	1	Cover
51	24813500.51	1	Plug
52	24860006	1	ATF Oil Plate
92	24830035	1	Washer
93	24813500.93	1	Plug



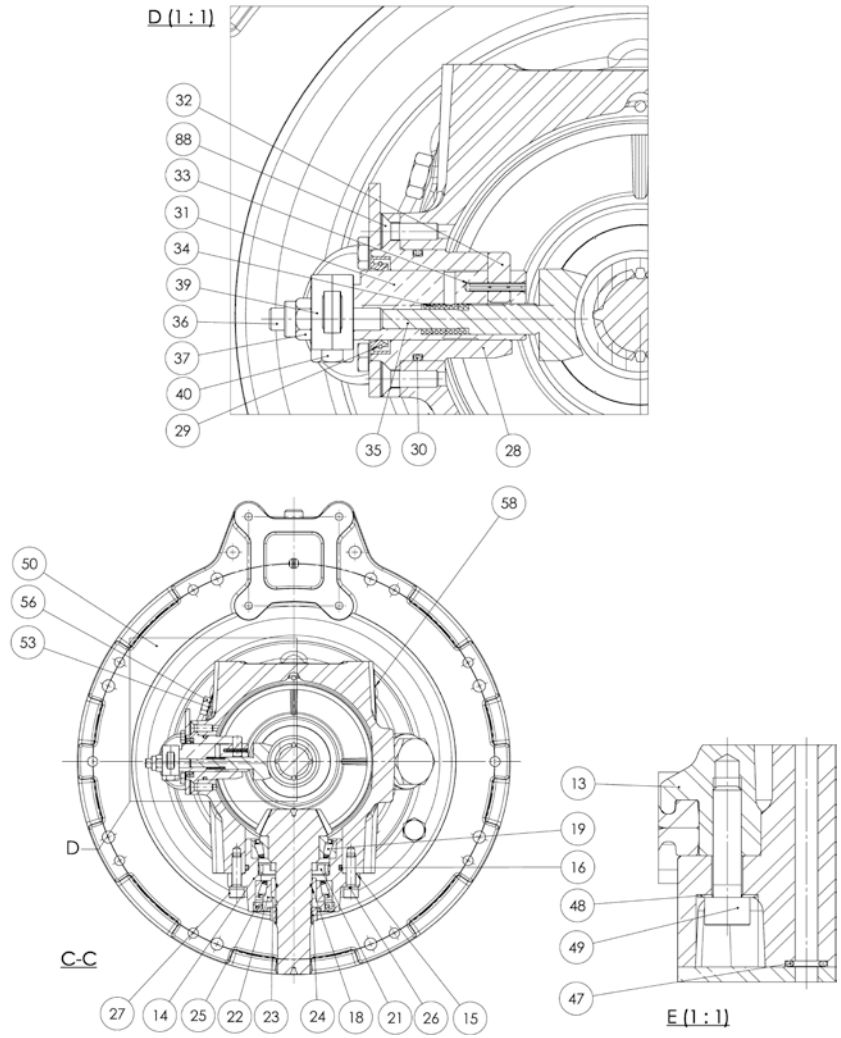
D_5037_3			Sheet 3/4
FIG.	**REF.**	**QTY**	**DESCR.**
1	24813500.01	1	Shaft,Output
2	24813500.02	1	CONE Clutch
3	24813500.03	4	Spacer
4	24860217	2	Spacer
5	24813500.05	2	Ring,Bearing
6	24813500.06	4	Bearing, needle
7	24813500.07	2	Gear
8	24813500.08	2	Cover
9	24813500.09	2	Nut
10	24813500.10	2	Bearing
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
76	24813500.76	1	Bushing
77	24813500.77	2	HELICOil
79	24813500.79	2	Oil Seal
80	24813500.80	2	O-Ring D. 90X1,5



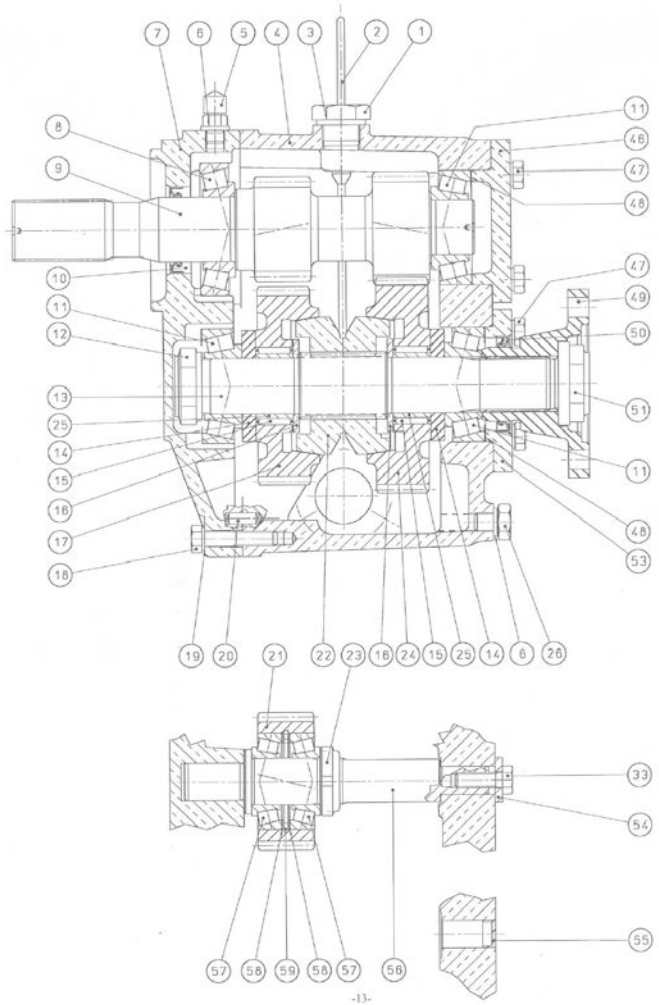
D_5037_3			Sheet 3/4
FIG.	**REF.**	**QTY**	**DESCR.**
81	24813500.81	3	Spacer
82	24813500.82	1	Bearing
83	24813500.83	2	Screw
86	24813500.86	1	O-Ring D. 8X1,5
90	24813500.90	3	HELICOil
91	24813500.91	3	Screw



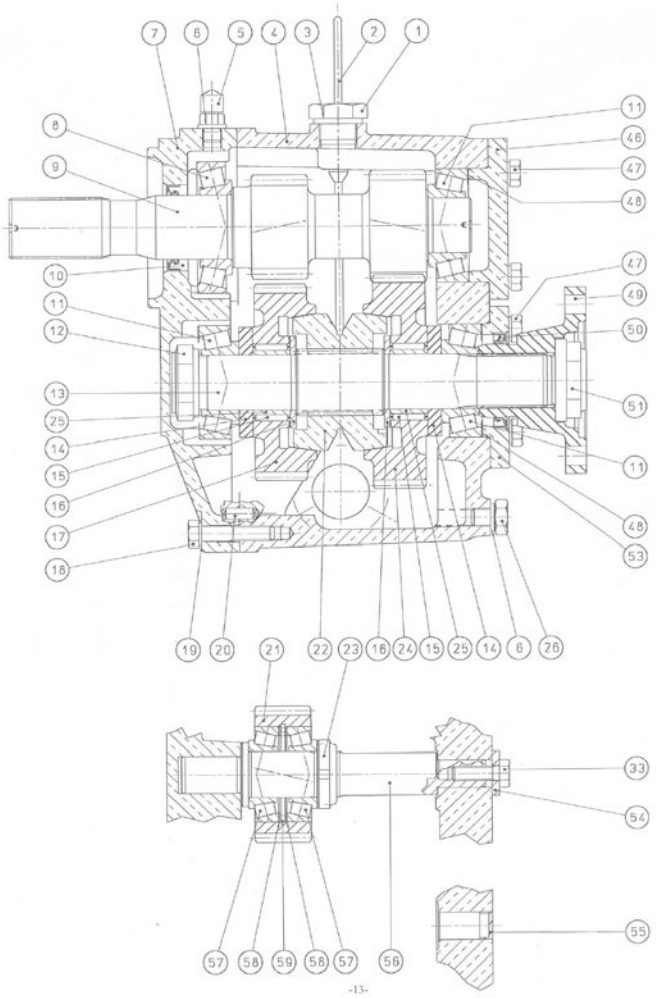
D_5037_4			Sheet 4/4
FIG.	**REF.**	**QTY**	**DESCR.**
15	24813500.15	2	Spacer
16	24813500.16	1	O-Ring
18	24813500.18	1	O-Ring
19	24850104	2	Conical Roller Bearing 32009-X
21	24813500.21	1	Impeller
22	24813500.22	1	Bearing
23	24813500.23	1	Cover
24	24813500.24	1	Nut
25	24813500.25	1	Oil Seal
30	24860417	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



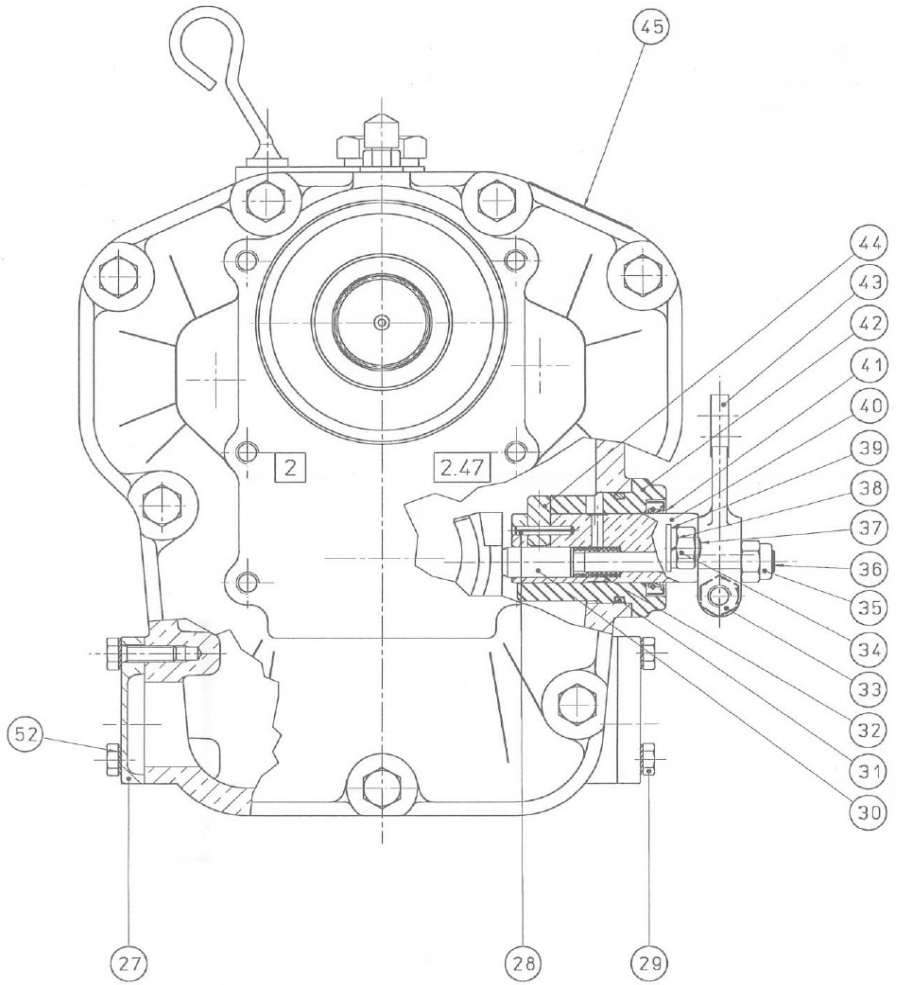
D_5032_1			Sheet 1/3
FIG.	**REF.**	**QTY**	**DESCR.**
1	24830011	1	Plug
2	24890008	1	Gauge Oil Level
3	56000083	1	Washer 21-26-1,5
4	24890001	1	Cover
5	24810065	1	Plug
6	24810063	2	Plane Washer
7	24890102	1	Cover
8	24850212	1	Conical Roller Bearing 30207A
9A	24895101	1	Input Shaft
9B	24894101	1	Input 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
24A	24894203	1	Gear
24B	24895210	1	Gear
24C	24894210	1	Gear
24D	24893210	1	Gear
25	24880205	2	CAGE
26	24850011	1	Plug,oil drain
33	52102258	1	Bolt DIN 933 M8-25 8.8
46	24890205	1	Cover



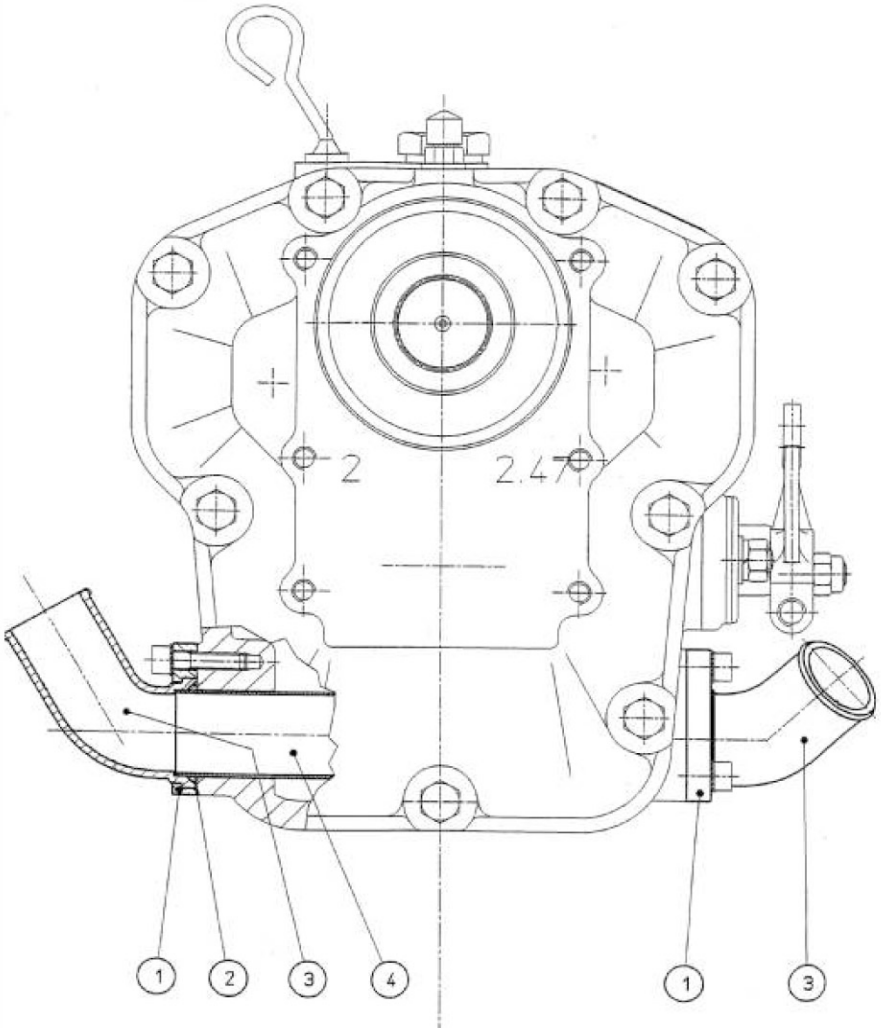
D_5032_1			Sheet 1/3
FIG.	**REF.**	**QTY**	**DESCR.**
47	52102259	8	Bolt DIN 933 M8-30 8.8
48	24813500.67	6	Spacer
49	24880224	1	Flange Output
50	24890214	1	Oil Seal
51	24850099	1	Nut
53	24890208	1	Cover
54	24890306	1	Washer
55	24890305	1	Plug
56	24890301	1	INTERMEDIATE Shaft
57	24860207	2	Conical Roller Bearing 30205A
58	24890304	2	Washer
59	53041052	1	CIRClip DIN 472 I-52



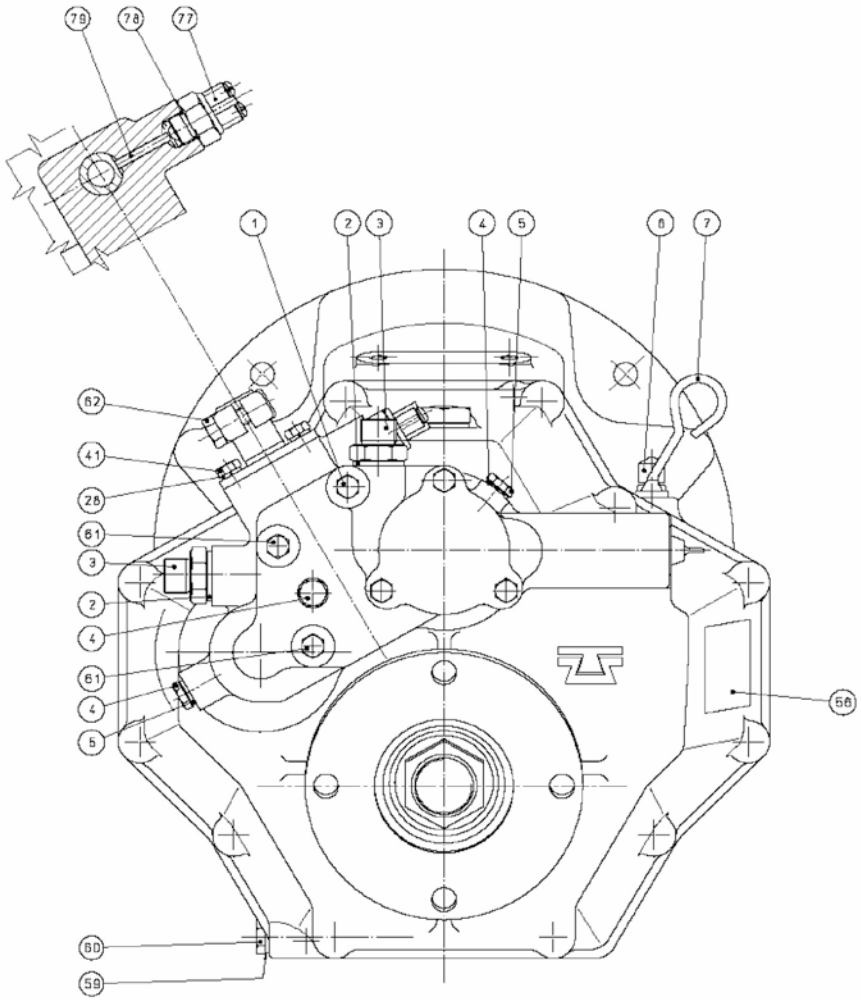
D_5032_2			Sheet 2/3
FIG.	**REF.**	**QTY**	**DESCR.**
27	24890026	2	Cover
28	53052210	1	Pin DIN 1481 3-20
29	52102257	6	Bolt DIN 933 M8-20 8.8
30	24880423	1	Pad
31	24860417	1	O-Ring
32	24860411	1	Spring
33	52102258	1	Bolt DIN 933 M8-25 8.8
34	52120008	2	Nut DIN 934 M8 8.8
35	51123008	1	Nut DIN 985 M8 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



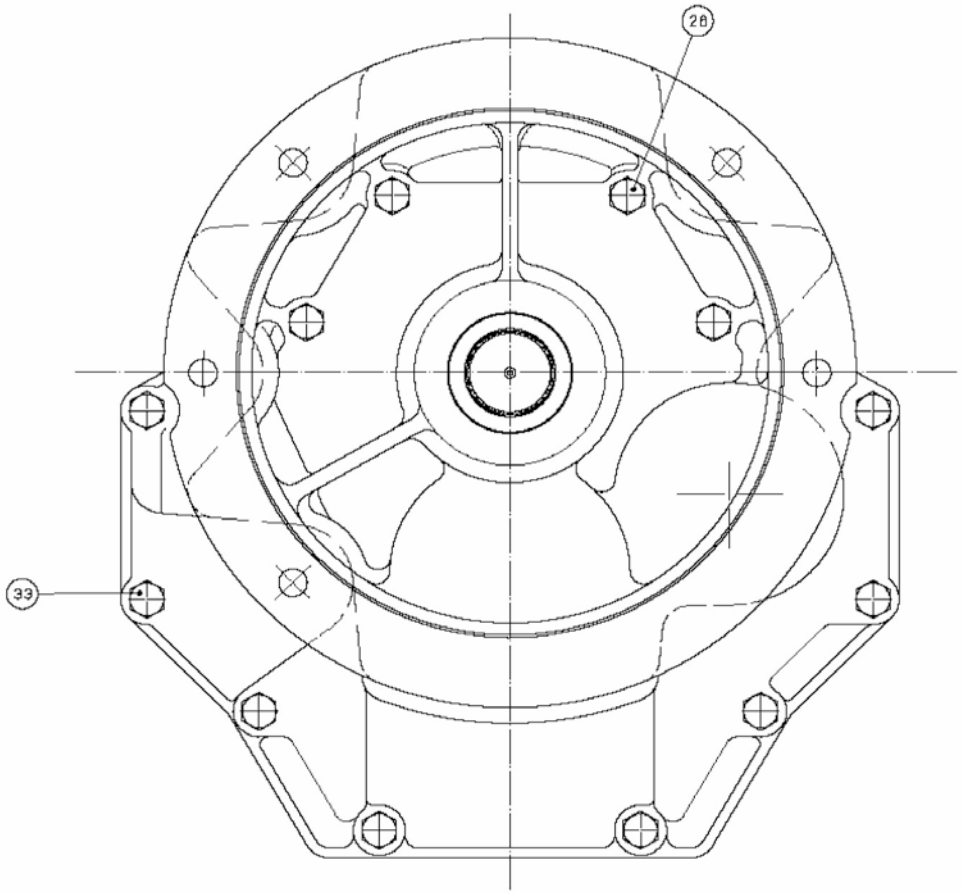
D_5032_3			Cooling System 3/3
FIG.	**REF.**	**QTY**	**DESCR.**
1	24890051	2	Cover
2	24890052	2	O-Ring D. 32X2,5
3	24890053	2	Elbow
4	24890054	1	Cooler Pipe



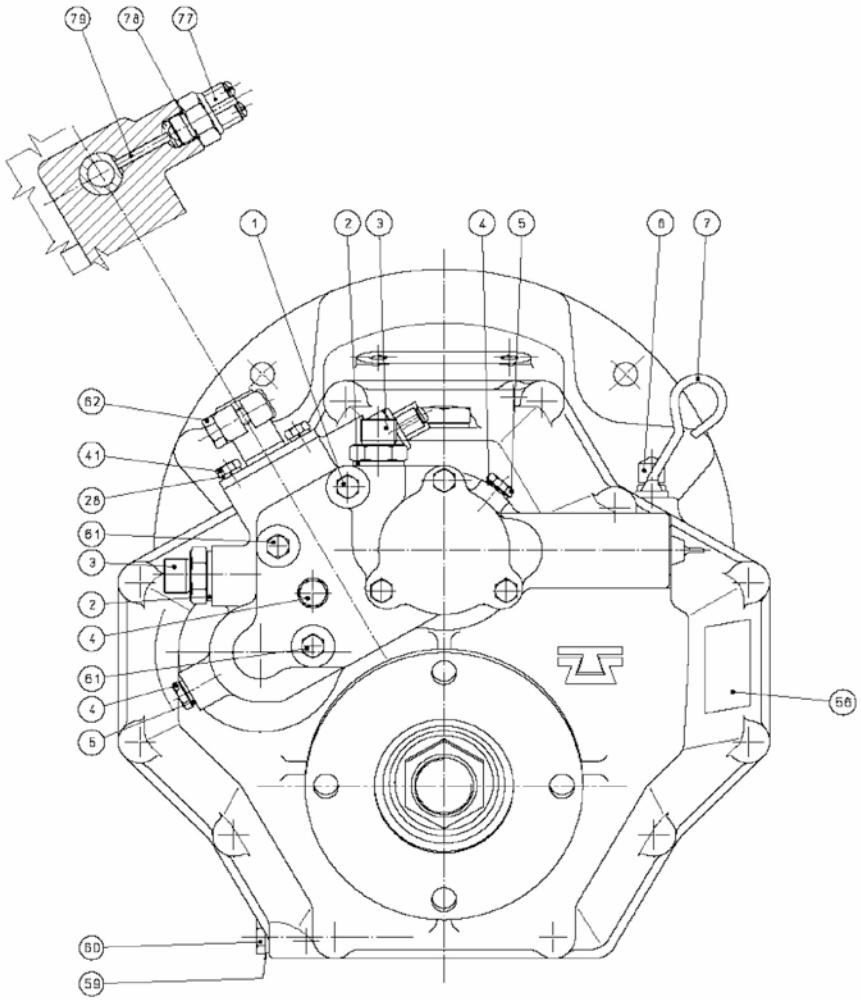
D_5023_1			Sheet 1/4
FIG.	**REF.**	**QTY**	**DESCR.**
1	24850091	1	Screw
2	24850092	3	Washer
3	24850090	2	Washer
4	24820068	3	Plug M8X1
5	56000057	3	Washer 8-13-1,5
6	24810065	1	Plug
7	24850008	1	Gauge Oil LEVEL
26	24850028	11	Screw
41	52102156	5	Bolt DIN 933 M6-16 8.8
56	24850005	1	Plate, IDENTIFICATION
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
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



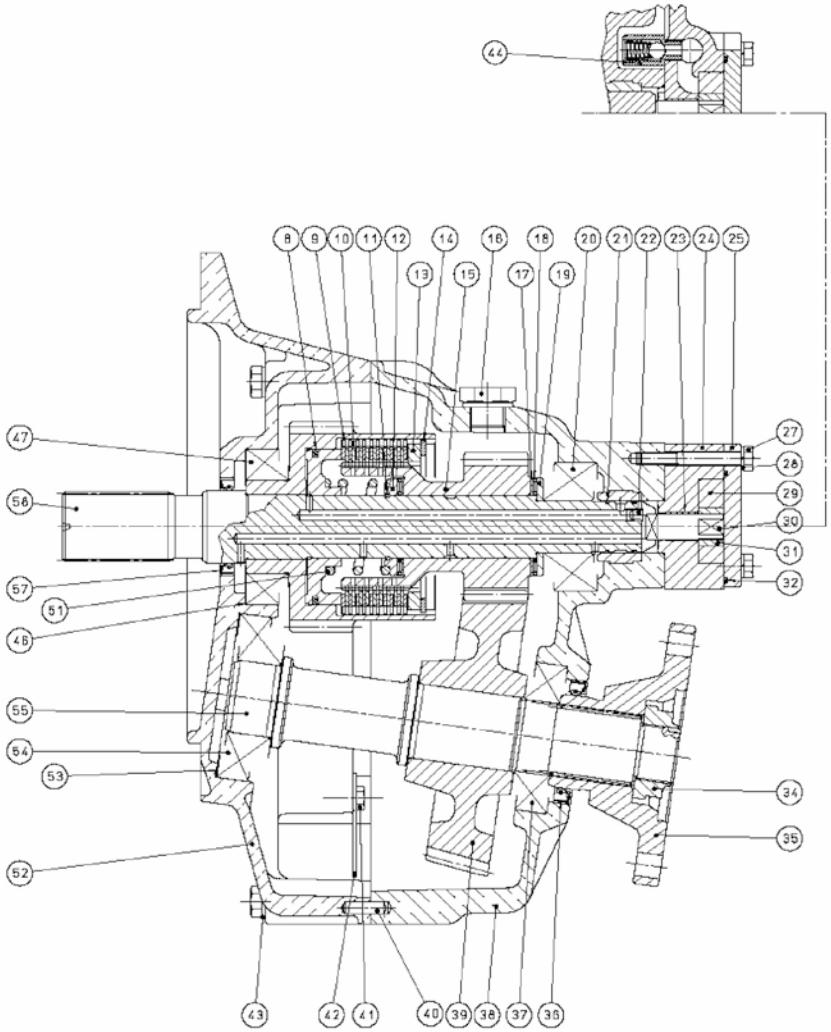
D_5023_2			Sheet 2/4
FIG.	**REF.**	**QTY**	**DESCR.**
33	24830113	1	Screw



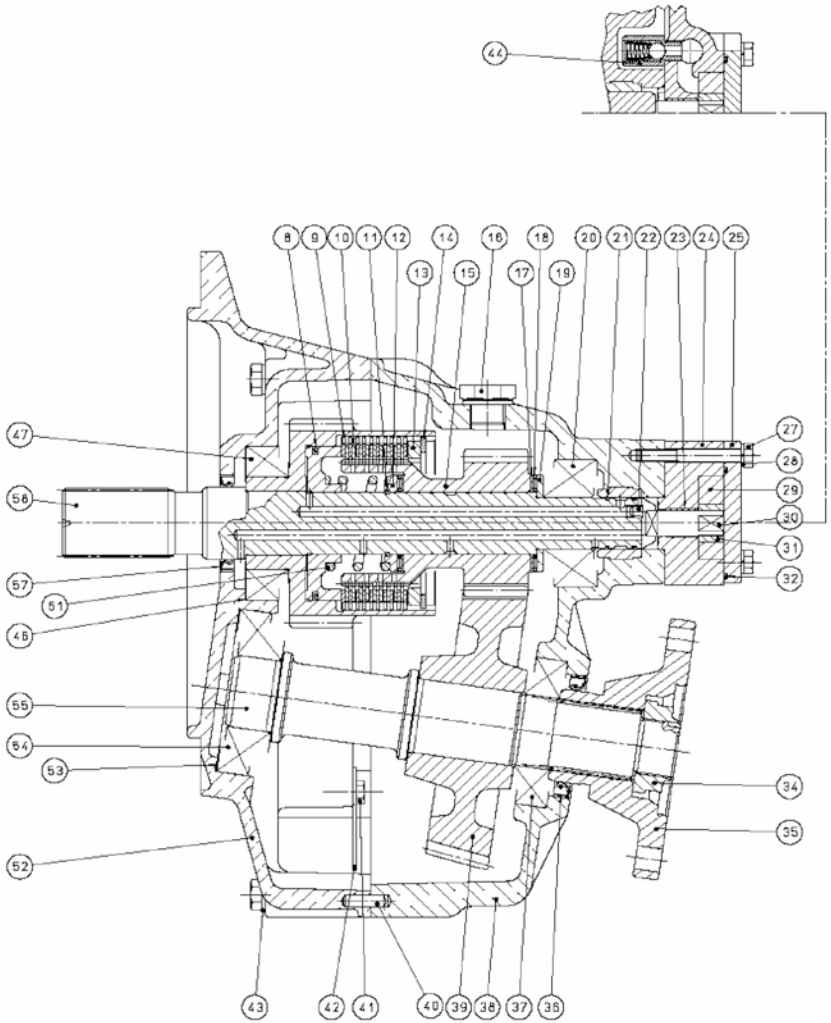
D_5023_1			Sheet 1/4
FIG.	**REF.**	**QTY**	**DESCR.**
1	24850091	1	Screw
2	24850092	3	Washer
3	24850090	2	Washer
4	24820068	3	Plug M8X1
5	56000057	3	Washer 8-13-1,5
6	24810065	1	Plug
7	24850008	1	Gauge Oil LEVEL
26	24850028	11	Screw
41	52102156	5	Bolt DIN 933 M6-16 8.8
56	24850005	1	Plate, IDENTIFICATION
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



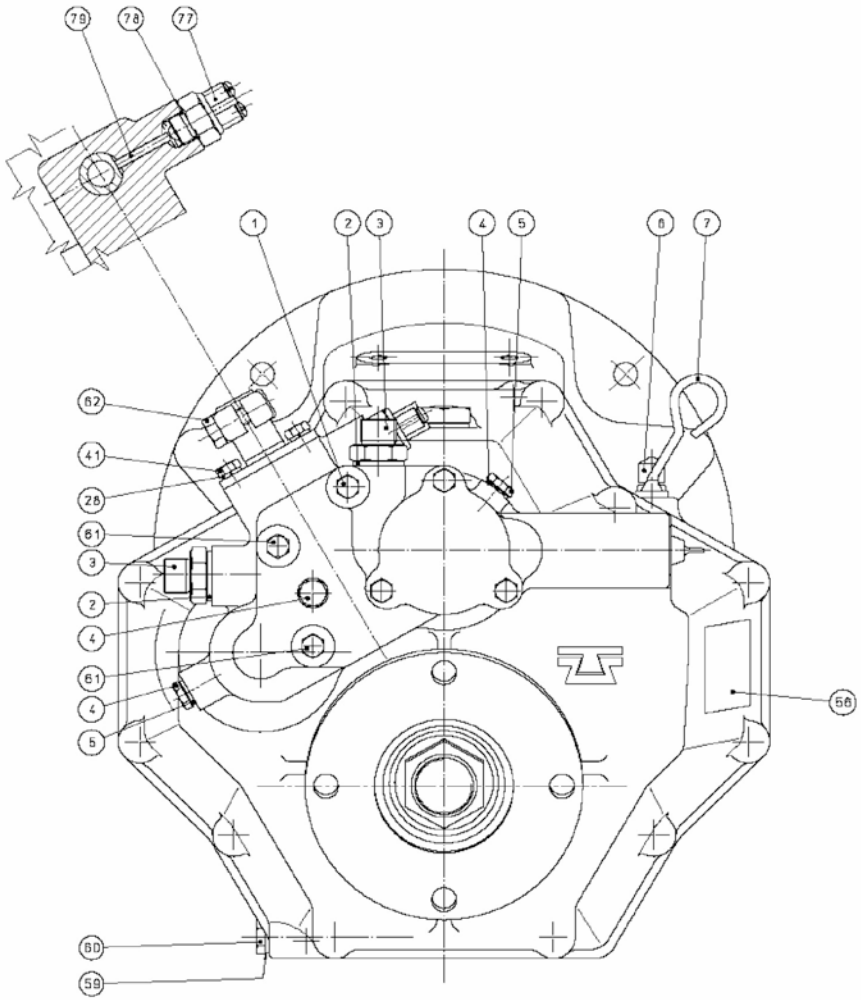
D_5023_3			Sheet 3/4
FIG.	**REF.**	**QTY**	**DESCR.**
8	24850323	2	Washer
11	24850310	2	Ring
12	24850307	2	Ring
13	24850333	2	Spacer
14	24850312	2	SEGER
15A	24852203	1	Gear R. 1,54 TM 345
15B	24853203	1	Gear R. 2 TM 345
15C	24854203	1	Gear R. 2,47 TM 345
16	24850012	1	Plug
17	24850318	4	Ring
18	24850306	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	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	24852210	1	Gear R. 1,54 TM 345
39B	24853210	1	Gear R. 2 TM 345
39C	24854210	1	Gear R. 2,47 TM 345
40	24850013	2	Pin
42	24850080	1	Plate Pipe
43	24850093	12	Washer



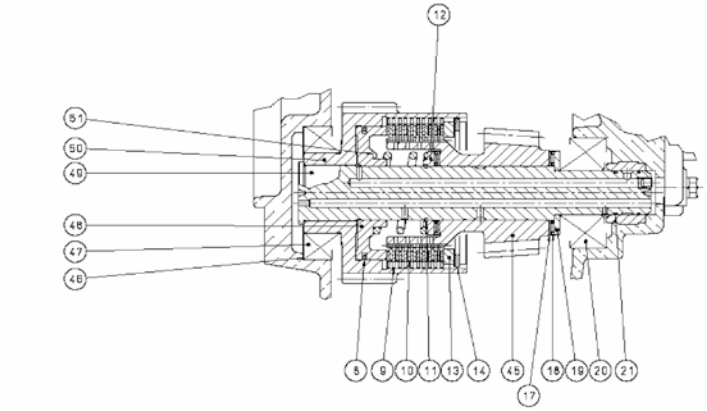
D_5023_3			Sheet 3/4
FIG.	**REF.**	**QTY**	**DESCR.**
44	24850063	1	By pass Valve
46	24850108	6	Shim Adjusting
47	24850104	2	Conical Roller Bearing 32009-X
51	24850122	2	Spring
52	24850207A	1	Cover TM-345A
53	24810333	3	Spacer
54	24850206	1	Conical Roller Bearing 31307A
55	24850201	1	Output Shaft
57	24810103S	1	Grommet, Oil SILICON
58	24850101	1	Input Shaft
9-10	24850403	2	Clutch Plate Kit
9-10	24850403	2	Clutch Plate Kit



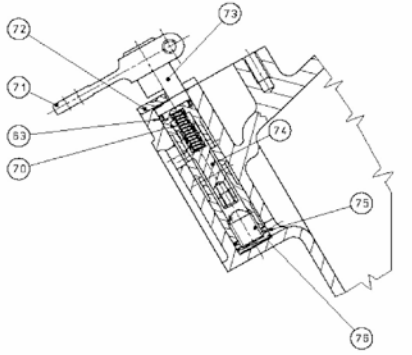
D_5023_1			Sheet 1/4
FIG.	**REF.**	**QTY**	**DESCR.**
1	24850091	1	Screw
2	24850092	3	Washer
3	24850090	2	Washer
4	24820068	3	Plug M8X1
5	56000057	3	Washer 8-13-1,5
6	24810065	1	Plug
7	24850008	1	Gauge Oil LEVEL
26	24850028	11	Screw
41	52102156	5	Bolt DIN 933 M6-16 8.8
56	24850005	1	Plate, IDENTIFICATION
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



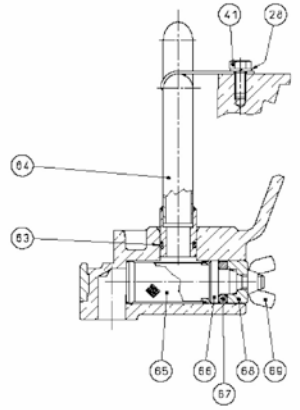
D_5023_4			Sheet 4/4
FIG.	**REF.**	**QTY**	**DESCR.**
45A	24852203	1	Gear R. 1,54 TM 345
45B	24853203	1	Gear R. 2 TM 345
45C	24854203	1	Gear R. 2,47 TM 345
48	24850124	2	Piston
49	24850301	1	INTERMEDIATE Shaft
50	24850330	1	Bell
63	24810045	2	O-Ring D. 15,08X2,62
64	24850081	1	Aspiration Tube
65	24810035C	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



ALBERO DI RINVIO - INTERMEDIATE SHAFT ASSEMBLY

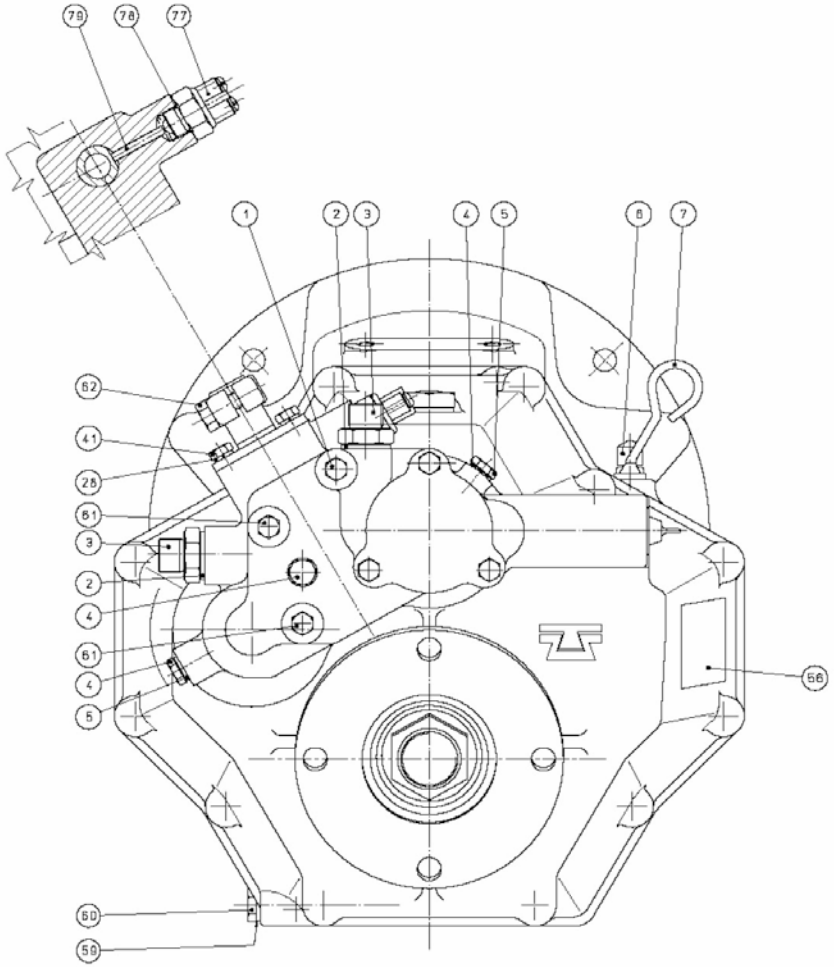


COMANDO - SELECTOR VALVE ASSEMBLY

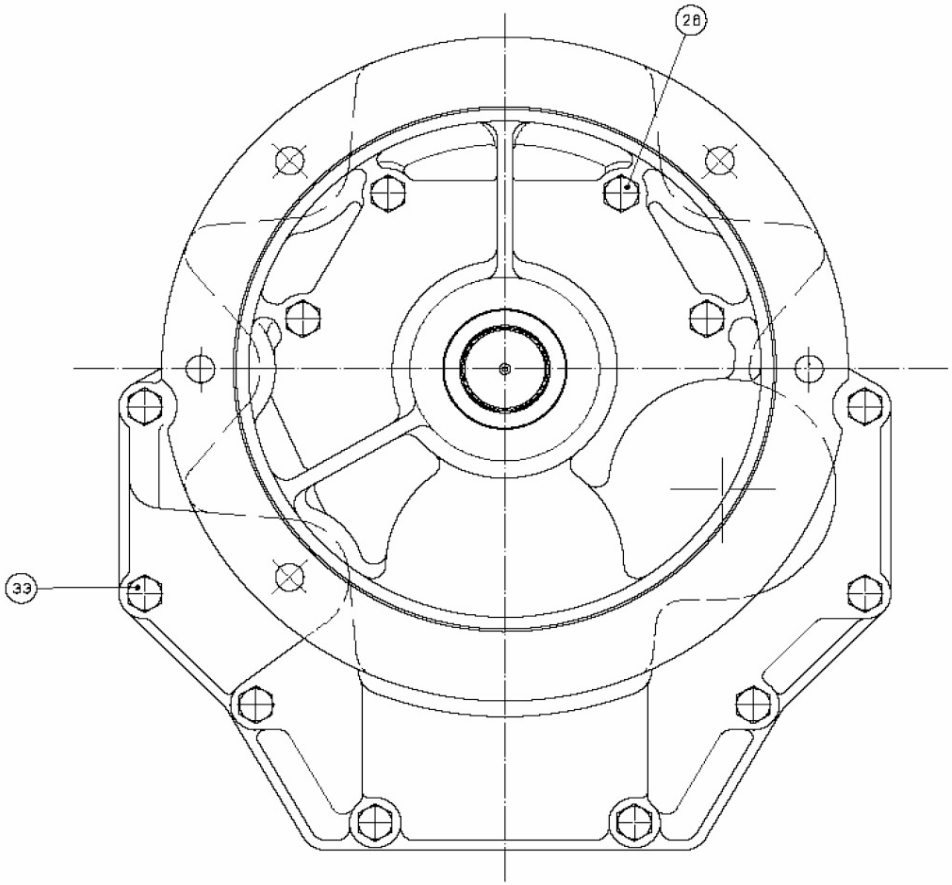


FILTRO OLIO - OIL FILTER ASSEMBL

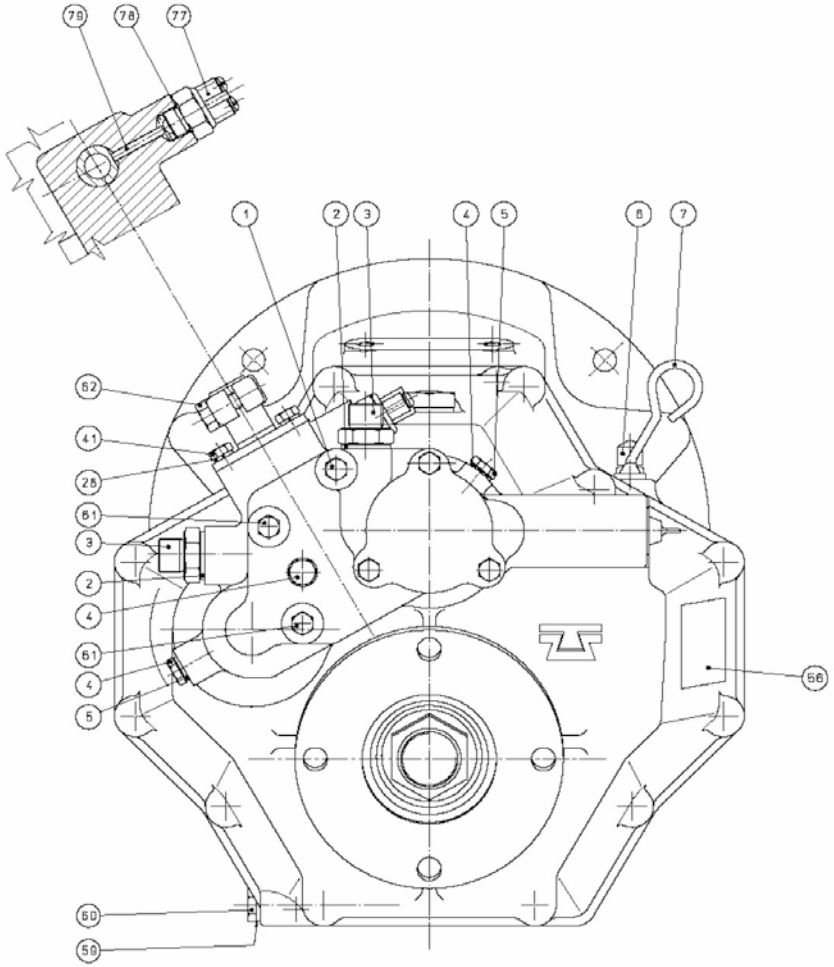
D_5024_1			Sheet 1/4
FIG.	**REF.**	**QTY**	**DESCR.**
1	24850091	1	Screw
2	24850092	3	Washer
3	24850090	2	Washer
4	24820068	3	Plug M8X1
5	56000057	3	Washer 8-13-1,5
6	24810065	1	Plug
7	24850008	1	Gauge Oil LEVEL
26	24850028	11	Screw
41	52102156	5	Bolt DIN 933 M6-16 8.8
56	24850005	1	Plate, IDENTIFICATION
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
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_5024_2			Sheet 2/4
FIG.	**REF.**	**QTY**	**DESCR.**
33	24830113	1	Screw

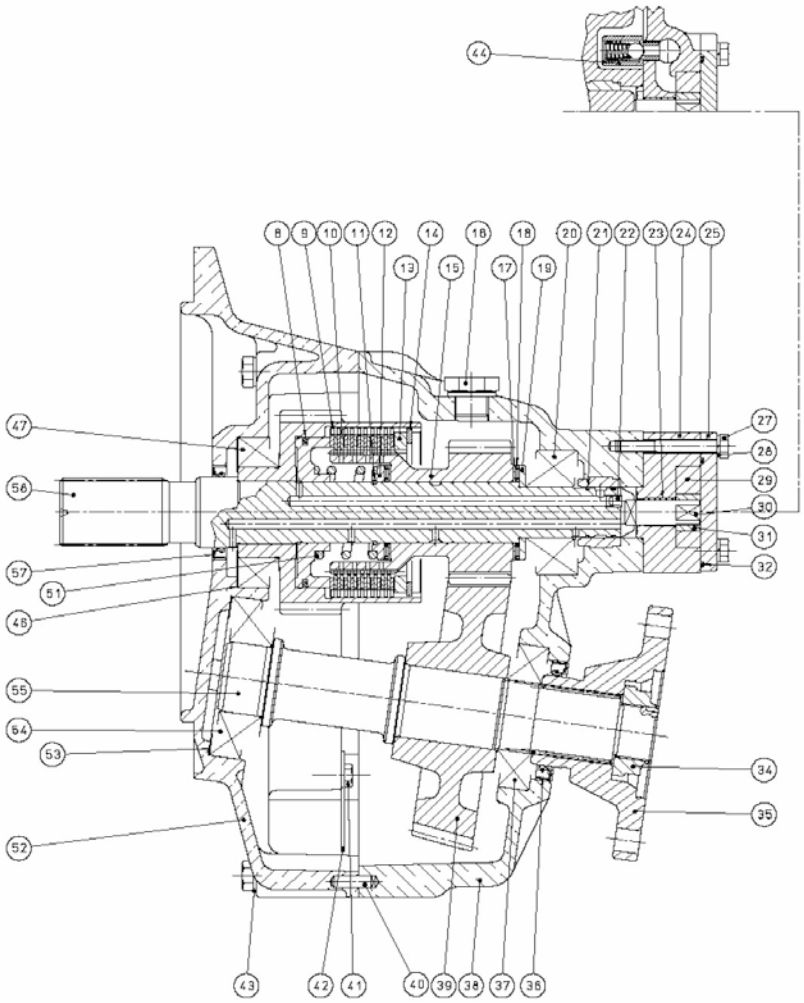


D_5024_1			Sheet 1/4
FIG.	**REF.**	**QTY**	**DESCR.**
1	24850091	1	Screw
2	24850092	3	Washer
3	24850090	2	Washer
4	24820068	3	Plug M8X1
5	56000057	3	Washer 8-13-1,5
6	24810065	1	Plug
7	24850008	1	Gauge Oil LEVEL
26	24850028	11	Screw
41	52102156	5	Bolt DIN 933 M6-16 8.8
56	24850005	1	Plate, IDENTIFICATION
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

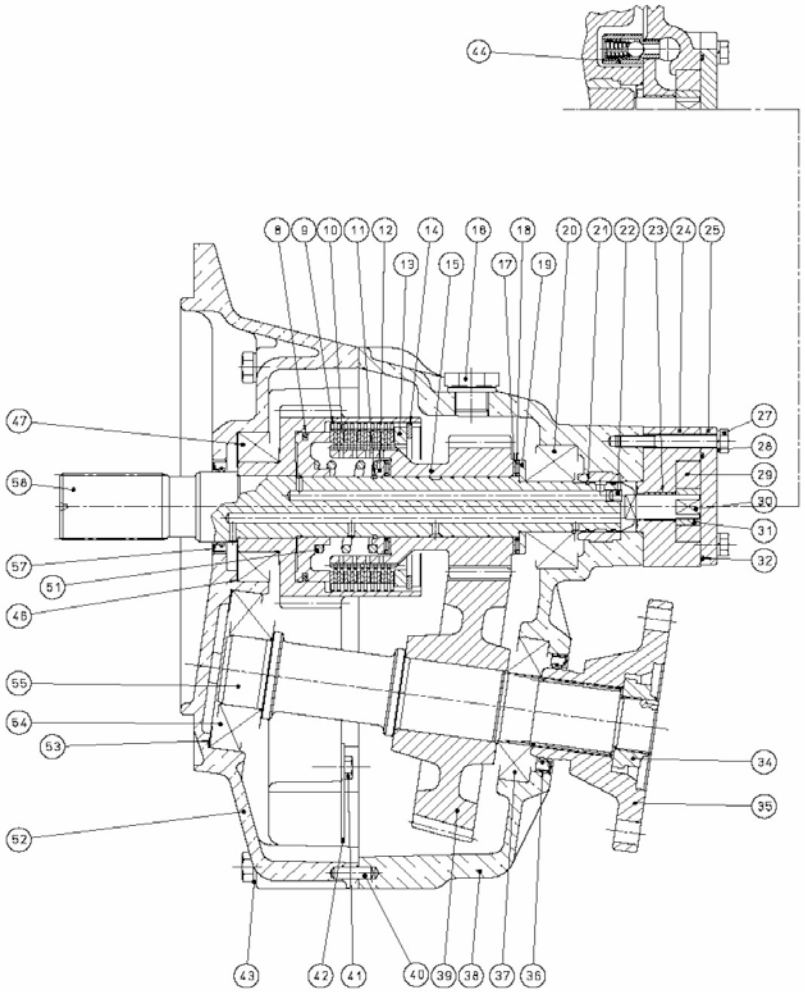


Gearbox TM-345A

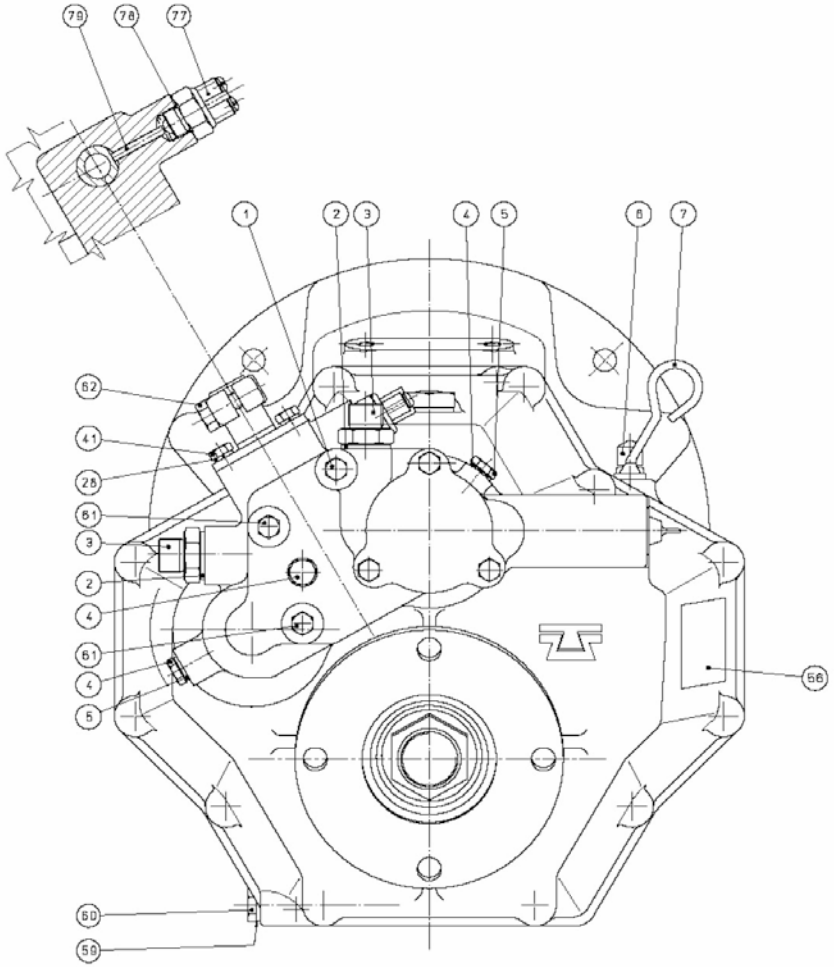
D_5024_3			Sheet 3/4
FIG.	**REF.**	**QTY**	**DESCR.**
8	24850323	2	Washer
11	24850310	2	Ring
12	24850307	2	Ring
13	24850333	2	Spacer
14	24850312	2	SEGER
15A	24852203A	1	Gear R. 1,54 TM 345A
15B	24853203A	1	Gear Red. 2 TM 345A
15C	24854203A	1	Gear R. 2,47 TM 345A
16	24850012	1	Plug
17	24850318	4	Ring
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
39C	24854210A	1	Gear R. 2,47 TM 345A
40	24850013	2	Pin
42	24850080	1	Plate Pipe
43	24850093	12	Washer



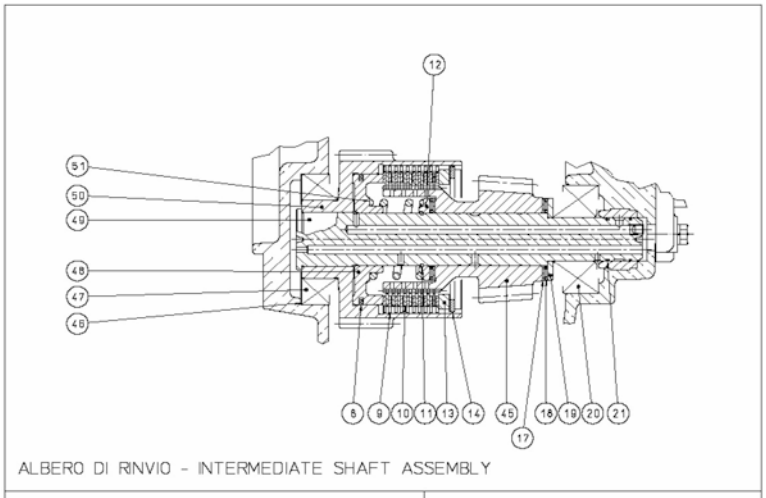
D_5024_3			Sheet 3/4
FIG.	**REF.**	**QTY**	**DESCR.**
44	24850063	1	By pass Valve
46	24850108	6	Shim Adjusting
47	24850104	2	Conical Roller Bearing 32009-X
51	24850122	2	Spring
52	24850207A	1	Cover TM-345A
53	24810333	3	Spacer
54	24850206	1	Conical Roller Bearing 31307A
55	24850201	1	Output Shaft
57	24810103S	1	Grommet, Oil SILICON
58	24850101	1	Input Shaft

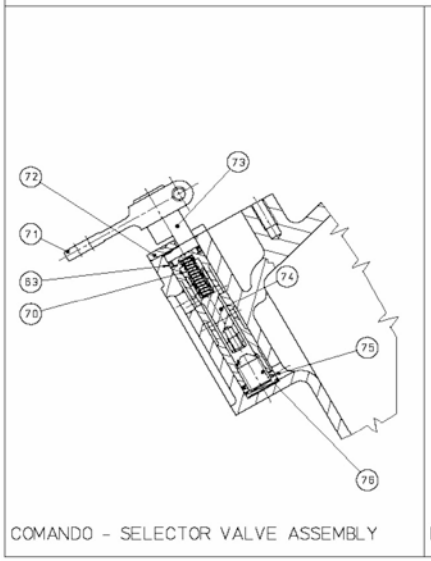


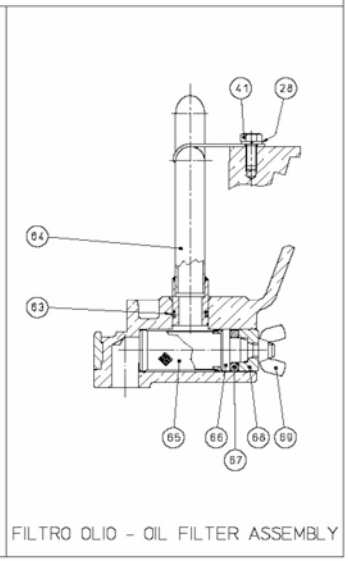
D_5024_1			Sheet 1/4
FIG.	**REF.**	**QTY**	**DESCR.**
1	24850091	1	Screw
2	24850092	3	Washer
3	24850090	2	Washer
4	24820068	3	Plug M8X1
5	56000057	3	Washer 8-13-1,5
6	24810065	1	Plug
7	24850008	1	Gauge Oil LEVEL
26	24850028	11	Screw
41	52102156	5	Bolt DIN 933 M6-16 8.8
56	24850005	1	Plate, IDENTIFICATION
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



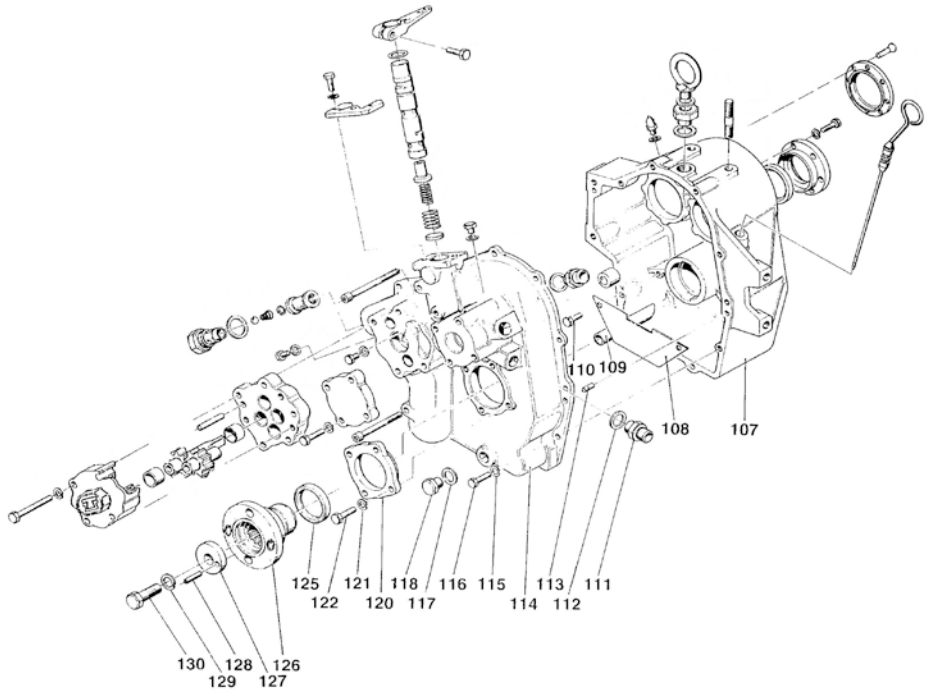
D_5024_4			Sheet 4/4
FIG.	**REF.**	**QTY**	**DESCR.**
45A	24852302	1	Gear R. 1,54 TM 345A
45B	24853302	1	Gear R. 2 TM 345A
45C	24854302	1	Gear R. 2,47 TM 345A
48	24850124	2	Piston
49	24850301	1	INTERMEDIATE Shaft
50	24850330	1	Bell
63	24810045	2	O-Ring D. 15,08X2,62
64	24850081	1	Aspiration Tube
65	24810035C	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







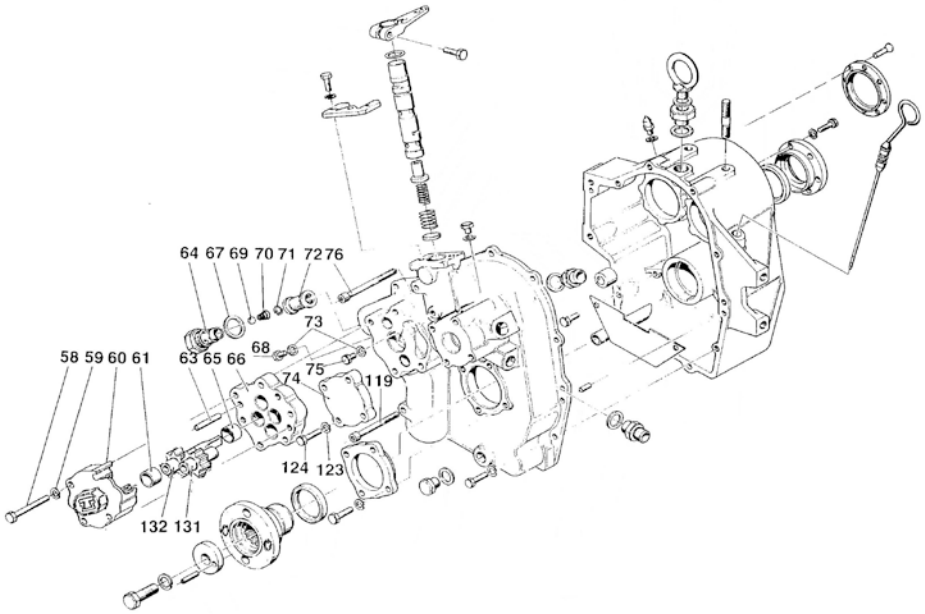
D_5030_1.1			Sheet 1.1/4
FIG.	**REF.**	**QTY**	**DESCR.**
100	24810103S	1	Grommet, Oil SILICON
106	24830008	1	ROD, LEVEL Oil
107	24810001	1	Front Body TM 93
108	24810080	1	Plate Pipe [NP]
109	24810081	1	ASPIRATION Tube [NP]
110	52102254	2	Bolt DIN 933 M8-10 8.8
113	24810085	2	Pin
114	24810002	1	REVERSE Body TM 93
117	56000069	1	Washer 14-20-1,5
118	24810011	1	Plug,oil drain
119	24810089	1	Screw
120	24810090	1	Cover
125	24810214	1	Oil Grommet
126	24810224	1	Flange, Output
127	24810219	1	BUTT Washer
128	24840220	1	Pin
129	53033014	1	Washer GROWER DIN 127-14
130	24810222	1	Bolt DIN 933 M14X40 12.9
131	24810095	1	Gear, ConductOR
132	24810096	1	Gear, Conduct
134	24810098	3	Screw
NS	24810043	1	Pump Assy Oil [NS]



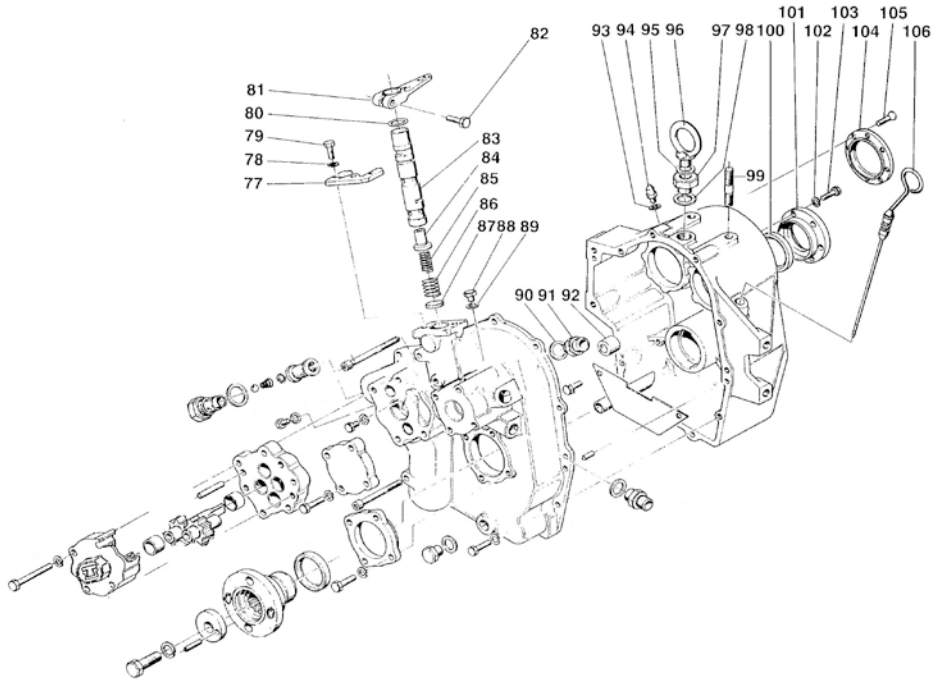
[NP] Not provided

[NS] Not shown

D_5030_1.2			Sheet 1.2/4
FIG.	**REF.**	**QTY**	**DESCR.**
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, ConductOR
132	24810096	1	Gear, Conduct
58	52101266	4	Bolt DIN 931 M8-65 8.8
59	53033008	4	Washer GROWER DIN 127-8
61	24810025	2	Bushing
63	24820023.1	2	Pin
64	24810024	1	Plug, Oil Filter DRAIN
67	24810027	1	Washer
68	24810028	1	Screw
69	18024143	1	Ball,steel 1/2"
70	24810030	1	Valve Spring
71	24810032	1	SNAP Ring
72	24810035C	1	Oil Filter
73	24810036	2	Washer
74	24810038	1	Cover
76	24810040	1	Screw

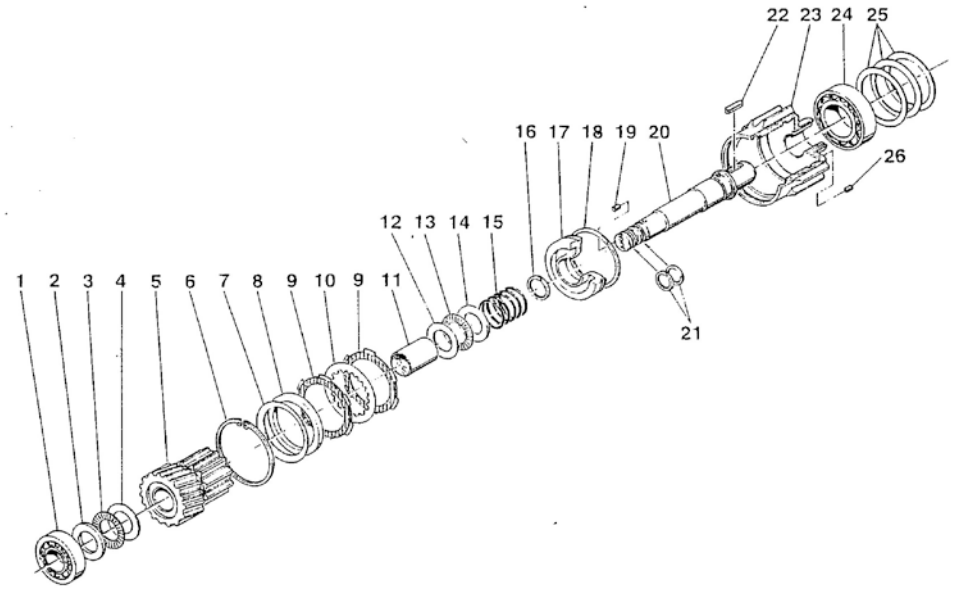


D_5030_1.3			Sheet 1.3/4
FIG.	**REF.**	**QTY**	**DESCR.**
100	24810103S	1	Grommet, Oil SILICON
101	24810072	1	Cover
102	53033008	6	Washer GROWER DIN 127-8
103	52102258	6	Bolt DIN 933 M8-25 8.8
104	24810075	1	Cover
105	24810076	8	Screw
106	24830008	1	ROD, LEVEL Oil
77	24810041	1	Support
78	53033006	2	Washer GROWER DIN 127-6
79	52102156	2	Bolt DIN 933 M6-16 8.8
80	24810045	1	O-Ring D. 15,08X2,62
81	24810424	1	Lever
82	52102258	1	Bolt DIN 933 M8-25 8.8
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 [NP]
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



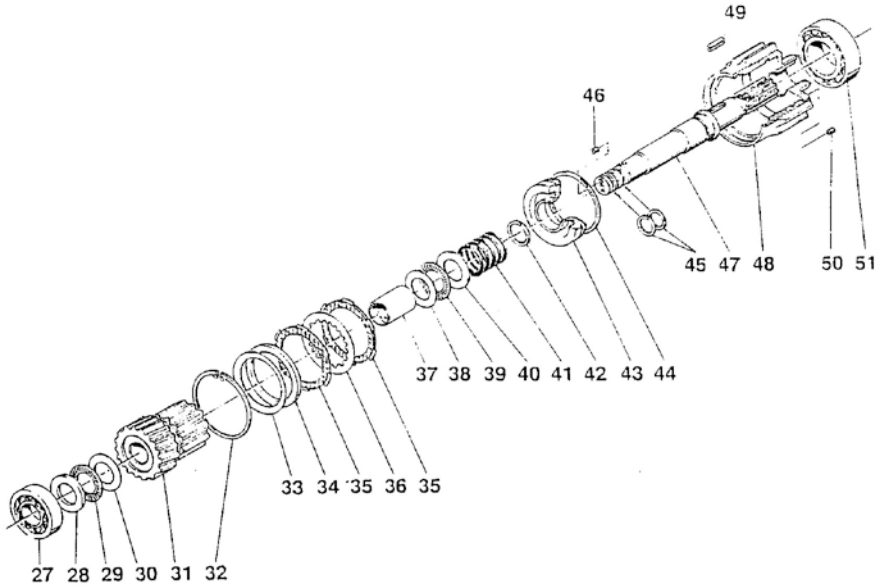
[NP] Not provided

D_5030_2			Intermediate Shaft 2/4
FIG.	**REF.**	**QTY**	**DESCR.**
1	24870207	1	Bearing
2	24810307	1	Washer
3	24810309	1	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
13	24810309	1	Roller
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 [VAR]
26	24810334	1	Plug

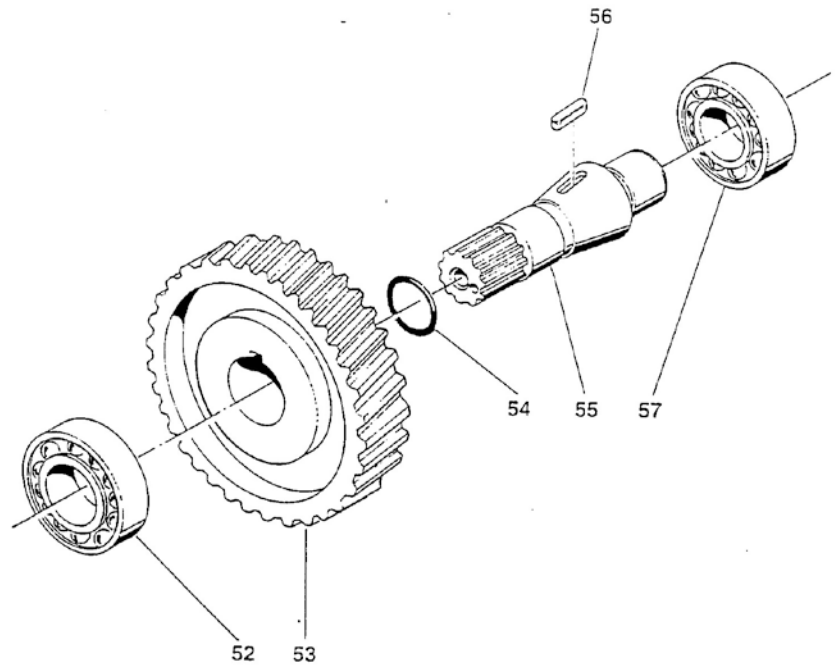


[VAR] Variable according to repair

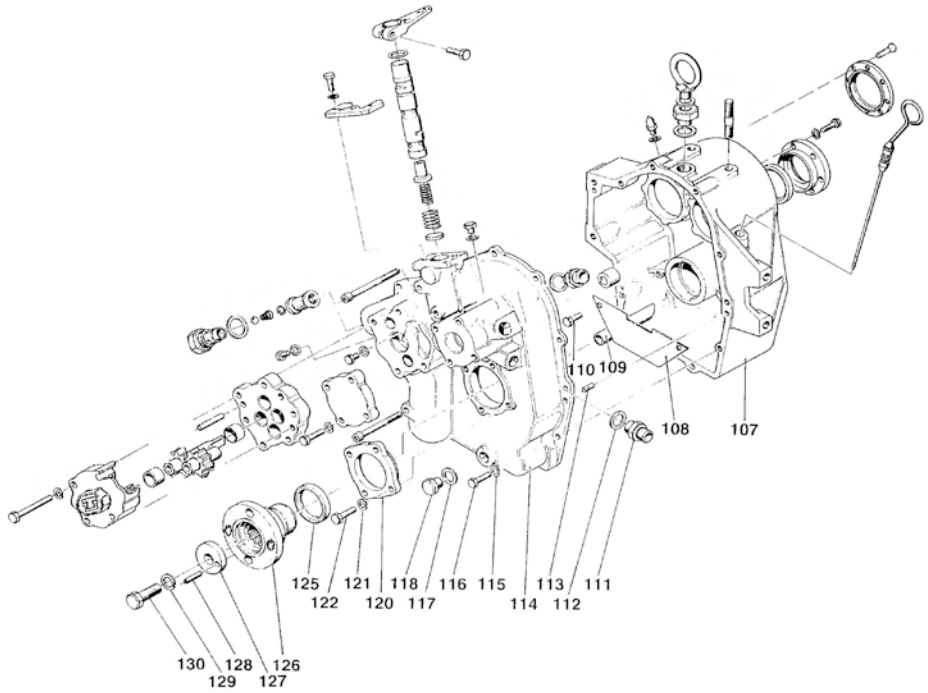
D_5030_3			Input Shaft 3/4
FIG.	**REF.**	**QTY**	**DESCR.**
27	24870207	1	Bearing
28	24810307	1	Washer
29	24810309	1	Roller
30	24810311	1	----------
31A	24812302	1	Gear R. 1,5 TM 93
31B	24813302	1	Gear R. 2 TM 93
31C	24814302	1	Gear R. 2,4 TM 93
31D	24815302	1	Gear R. 2,8 TM 93
32	24810312	1	SNAP Ring
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
39	24810309	1	Roller
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.**
52	24810206	1	Conical Roller Bearing 32208
53/55	24812201C	1	Gear+Output Shaft Kit
53/55	24813201C	1	Gear+Output Shaft Kit
53/55	24814201C	1	Gear+Output Shaft Kit
53/55	24815201C	1	Gear+Output Shaft Kit
54	24810209	1	O-Ring D. 38X3,5
57	24810212	1	Bearing



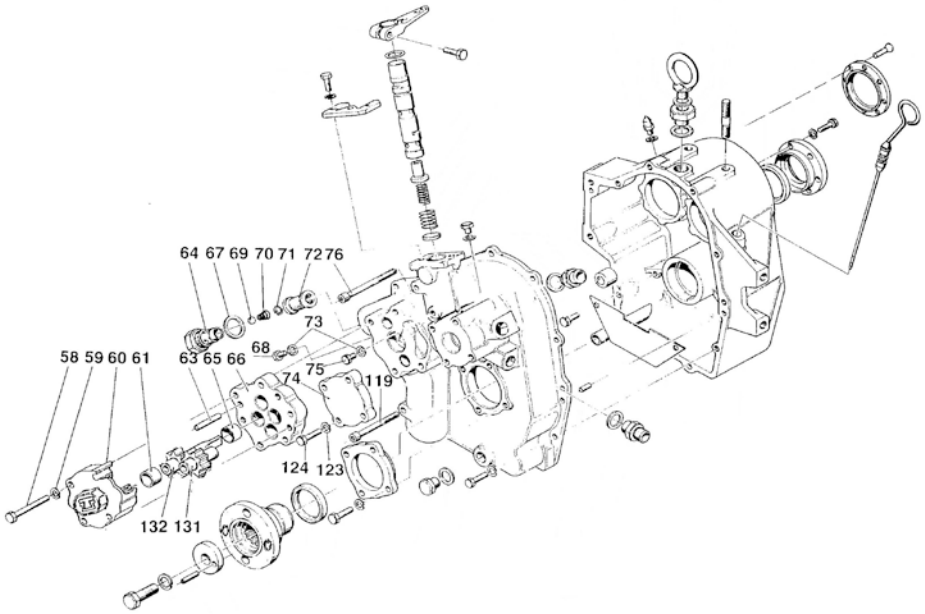
D_5031_1.1			Sheet 1.1/4
FIG.	**REF.**	**QTY**	**DESCR.**
100	24810103S	1	Grommet, Oil SILICON
106	24830008	1	ROD, LEVEL Oil
107	24810001A	1	Front Body TM 93A
108	24810080	1	Plate Pipe [NP]
109	24810081	1	ASPIRATION Tube [NP]
110	52102254	2	Bolt DIN 933 M8-10 8.8
113	24810085	2	Pin
114	24810002A	1	REVERSE Body TM 93A
117	56000069	1	Washer 14-20-1,5
118	24810011	1	Plug,oil drain
119	24810089	1	Screw
120	24810090	1	Cover
125	24810214	1	Oil Grommet
126	24810224	1	Flange, Output
127	24810219	1	BUTT Washer
128	24840220	1	Pin
129	53033014	1	Washer GROWER DIN 127-14
130	24810222	1	Bolt DIN 933 M14X40 12.9
131	24810095	1	Gear, ConductOR
132	24810096	1	Gear, Conduct
134	24810098	3	Screw
NS	24810043	1	Pump Assy Oil [NS]



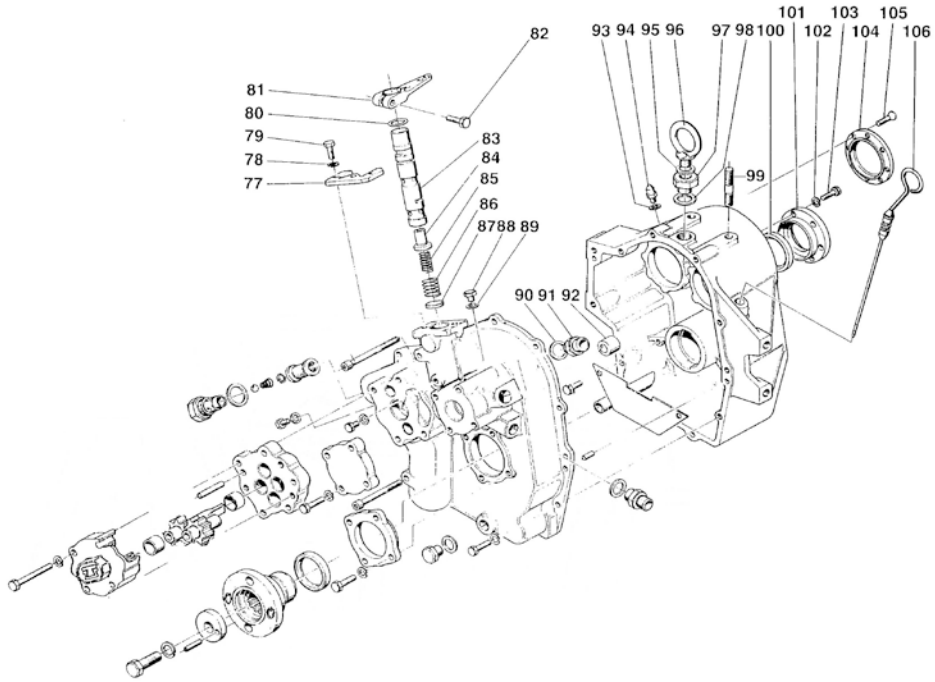
[NP] Not provided

[NS] Not shown

D_5030_1.2			Sheet 1.2/4
FIG.	**REF.**	**QTY**	**DESCR.**
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, ConductOR
132	24810096	1	Gear, Conduct
58	52101266	4	Bolt DIN 931 M8-65 8.8
59	53033008	4	Washer GROWER DIN 127-8
61	24810025	2	Bushing
63	24820023.1	2	Pin
64	24810024	1	Plug, Oil Filter DRAIN
67	24810027	1	Washer
68	24810028	1	Screw
69	18024143	1	Ball,steel 1/2"
70	24810030	1	Valve Spring
71	24810032	1	SNAP Ring
72	24810035C	1	Oil Filter
73	24810036	2	Washer
74	24810038	1	Cover
76	24810040	1	Screw

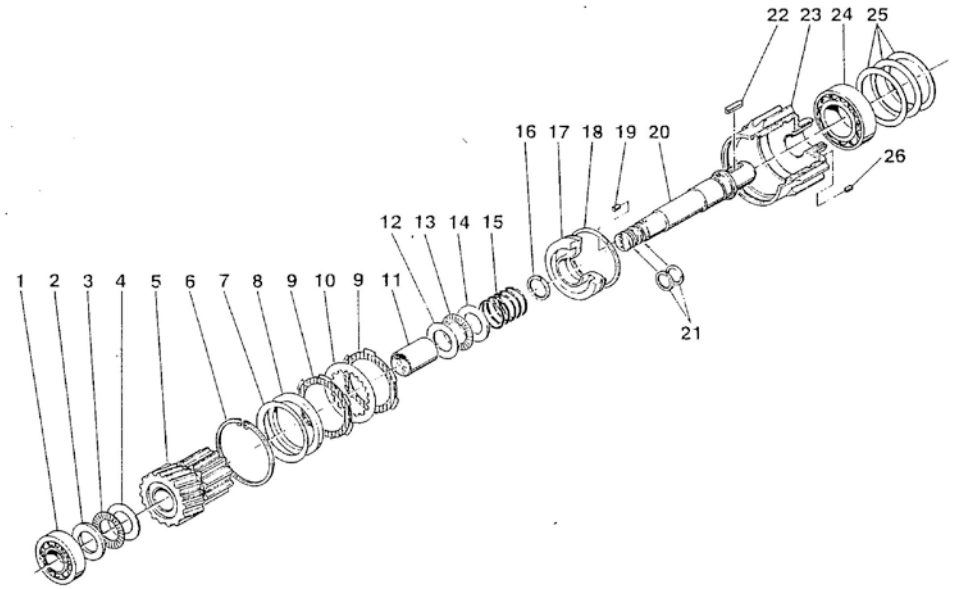


D_5030_1.3			Sheet 1.3/4
FIG.	**REF.**	**QTY**	**DESCR.**
100	24810103S	1	Grommet, Oil SILICON
101	24810072	1	Cover
102	53033008	6	Washer GROWER DIN 127-8
103	52102258	6	Bolt DIN 933 M8-25 8.8
104	24810075	1	Cover
105	24810076	8	Screw
106	24830008	1	ROD, LEVEL Oil
77	24810041	1	Support
78	53033006	2	Washer GROWER DIN 127-6
79	52102156	2	Bolt DIN 933 M6-16 8.8
80	24810045	1	O-Ring D. 15,08X2,62
81	24810424	1	Lever
82	52102258	1	Bolt DIN 933 M8-25 8.8
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 [NP]
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



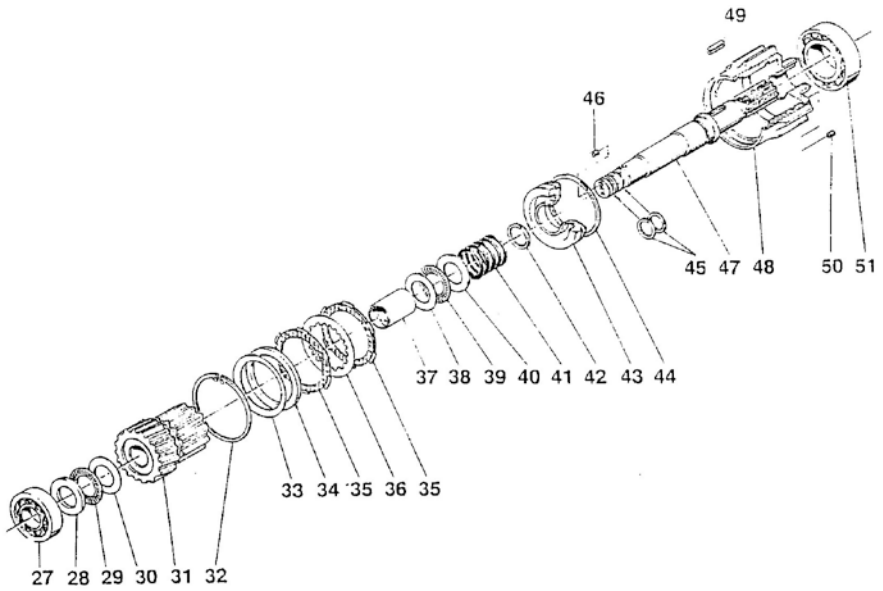
[NP] Not provided

D_5031_2			Intermediate Shaft 2/4
FIG.	**REF.**	**QTY**	**DESCR.**
1	24870207	1	Bearing
2	24810307	1	Washer
3	24810309	1	Roller
4	24810310	1	Ring
5	24812302A	1	Gear R. 1,5 TM 93A
5	24814302A	1	Gear R. 2,4 TM 93A
5	24813302A	1	Gear Red. 2 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
13	24810309	1	Roller
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 [VAR]
26	24810334	1	Plug

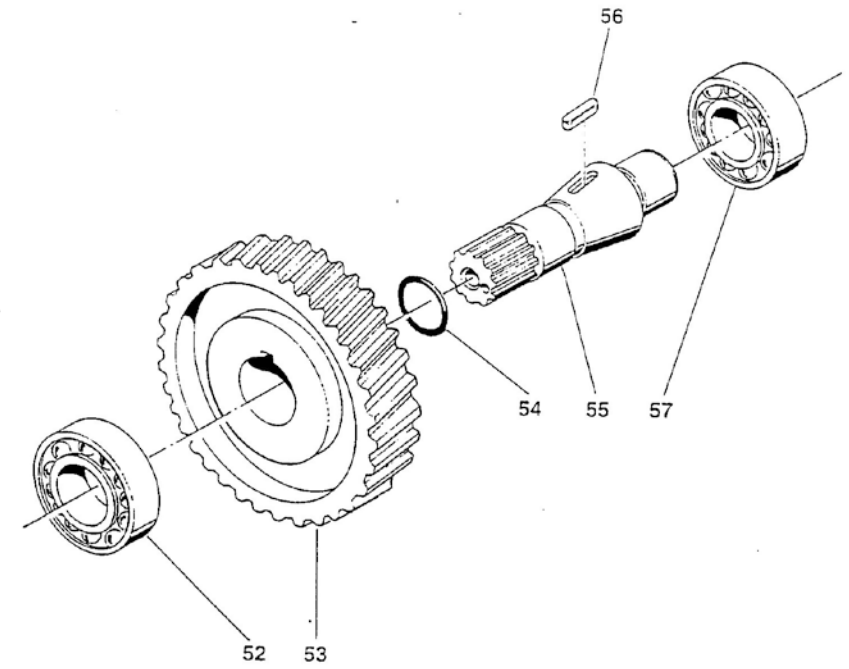


[VAR] Variable according to repair

D_5031_3			Input Shaft 3/4
FIG.	**REF.**	**QTY**	**DESCR.**
27	24870207	1	Bearing
28	24810307	1	Washer
29	24810309	1	Roller
30	24810311	1	----------
31	24812302	1	Gear R. 1,5 TM 93
31	24814302	1	Gear R. 2,4 TM 93
31	24813302	1	Gear R. 2 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
39	24810309	1	Roller
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

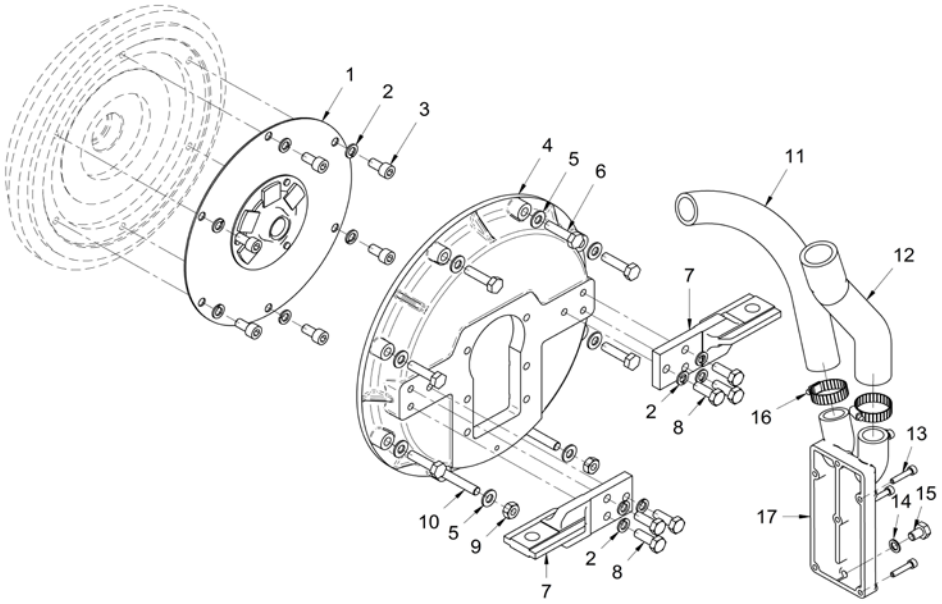


D_5031_4			Output Shaft 4/4
FIG.	**REF.**	**QTY**	**DESCR.**
52	24810206	1	Conical Roller Bearing 32208
53/55	24813201AC	1	Gear+Output Shaft Kit
53/55	24814201AC	1	Gear+Output Shaft Kit
53/55	24812201AC	1	Gear+Output Shaft Kit
54	24810209	1	O-Ring D. 38X3,5
57	24810212	1	Bearing



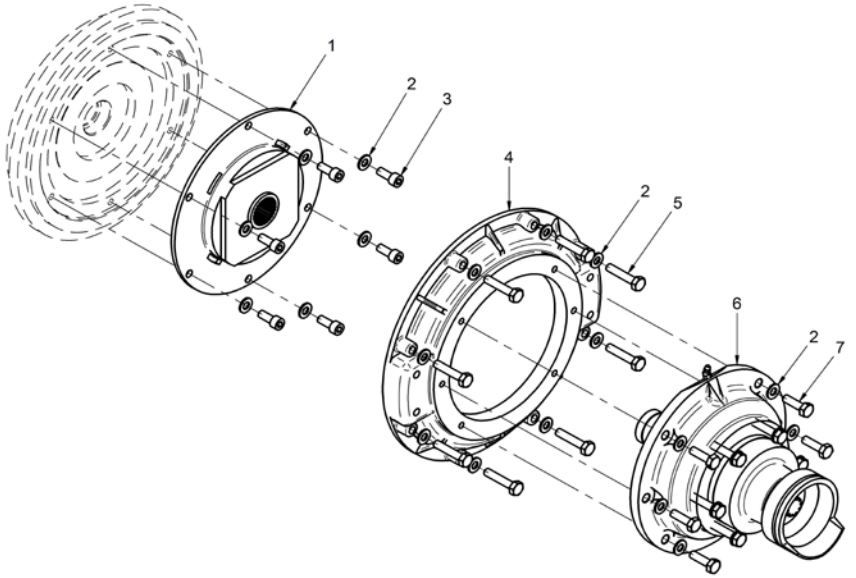
Kit Gearbox

17110007.1			Kit GearBox SMI-R3
FIG.	**REF.**	**QTY**	**DESCR.**
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	17010014	1	HURTH,block rever.connection
5	53038010	8	Washer DIN 6798-A 10
6	52202311	6	Bolt DIN 933 M10-1,25-40 8.8
7	17110003	2	Bracket,rear
8	52102309	6	Bolt DIN 933 M10-30 8.8
9	52120010	2	Nut DIN 934 M10 8.8
10	17010007	2	Stud
11	17111025	1	Elbow 30-40-335
12	18011020	1	Pipe
13	52103159	6	Bolt DIN 912 M6-30 8.8
16	54082025	4	Clamp DIN 3017 25-40/12 W4
17	25410103	1	Cover, water cooler



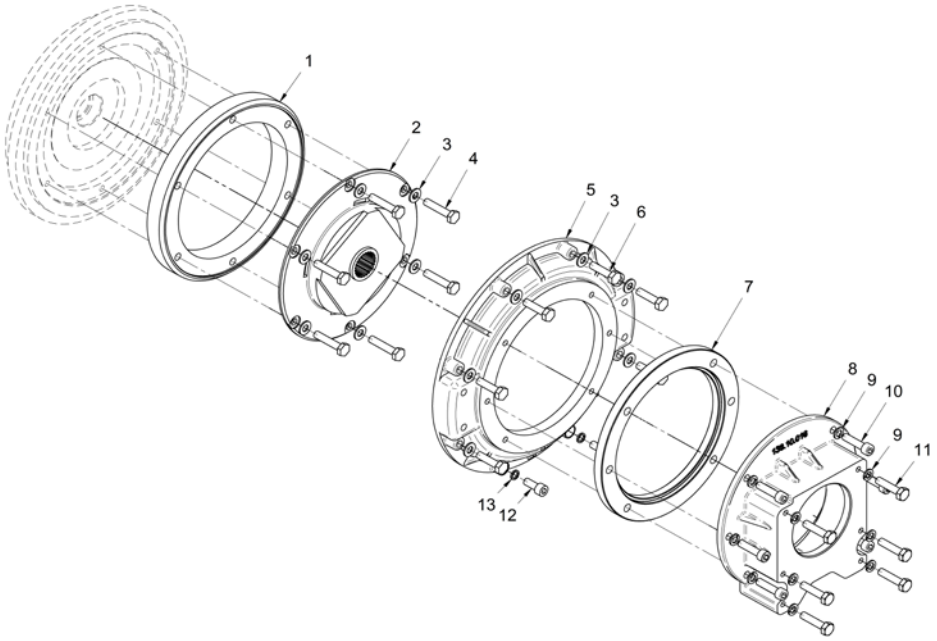
Kit Gearbox

17110100.1			Kit Z-Drive VOLVO 270/280/290 Z=10
FIG.	**REF.**	**QTY**	**DESCR.**
1	17110071	1	Flexible Coupling Type B SAE 8"
2	53038010	20	Washer DIN 6798-A 10
3	52103308	6	Bolt DIN 912 M10-25 8.8
4	17010018.1	1	Adaptor SAE 7 RD
5	52201313	8	Bolt DIN 931 M10-1,25-50 8.8
6	17110100.1R	1	Kit Z-Drive Volvo 270/280/290 Z=10
7	52102310	6	Bolt DIN 933 M10-35 8.8



Kit Gearbox

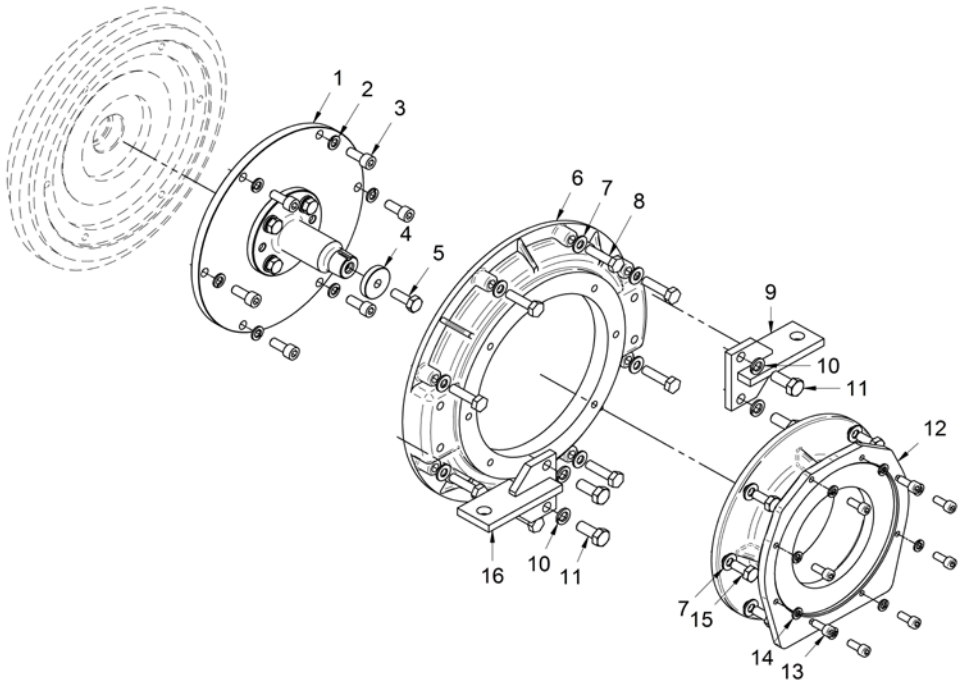
17110110			Kit S-Drive VOLVO 110S
FIG.	**REF.**	**QTY**	**DESCR.**
1	17110111.1	1	Suplement,Flywheel
2	17110071.3	1	Damper
3	53038010	12	Washer DIN 6798-A 10
4	17110112	6	Bolt DIN 7984 M10 p.1,25 x 45 8.8
5	17110014.1	1	SAE 7, Adaptor Flange
6	52202311	6	Bolt DIN 933 M10-1,25-40 8.8
7	17110013.1	1	Spacer
8	13810016	1	Spacer,VOLVO Stern Drive ADAP.110S
9	53033010	12	Washer GROWER DIN 127-10
10	52103311	6	Bolt DIN 912 M10-40 8.8
11	52102312	6	Bolt DIN 933 M10-45 8.8
12	52203308	2	Bolt DIN 912 M10-1,25-25 12.9
13	53034010	2	Washer GROWER DIN 7980 10
NS	54082025	2	Clamp DIN 3017 25-40/12 W4 [NS]



[NS] Not shown

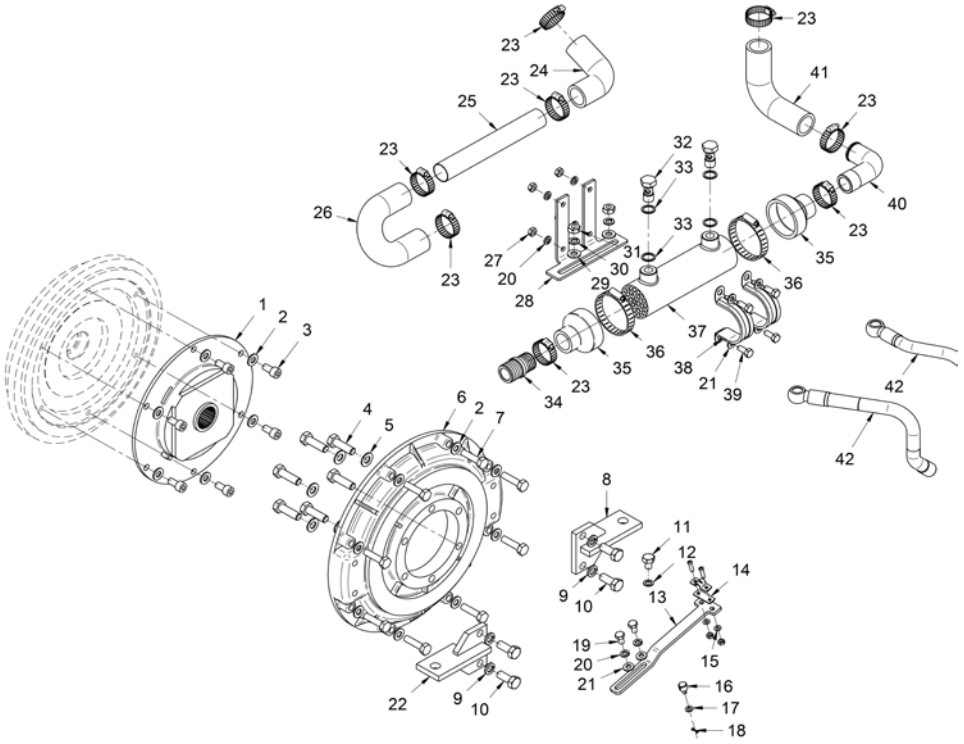
Kit Gearbox

17110125			Kit S-Drive BUKH DV48
FIG.	**REF.**	**QTY**	**DESCR.**
1	17110025	1	Shaft
2	53033010	6	Washer GROWER DIN 127-10
3	52103308	6	Bolt DIN 912 M10-25 8.8
4	13910027	1	Washer
5	52102309	1	Bolt DIN 933 M10-30 8.8
6	17010018.1	1	Adaptor SAE 7 RD
7	53038010	14	Washer DIN 6798-A 10
8	52202311	8	Bolt DIN 933 M10-1,25-40 8.8
9	17110008	1	LEFT REAR Bracket
10	53033012	4	Washer GROWER DIN 127-12
11	52102359	4	Bolt DIN 933 M12-30 8.8
12	17310026	1	BUKH S-Drive DV-36, DV-38 Adaptor Flange
13	52103257	8	Bolt DIN 912 M8-20 8.8
14	53033008	8	Washer GROWER DIN 127-8
15	52102308	6	Bolt DIN 933 M10-25 8.8
16	17110009	1	RIGHT REAR Bracket



Kit Gearbox

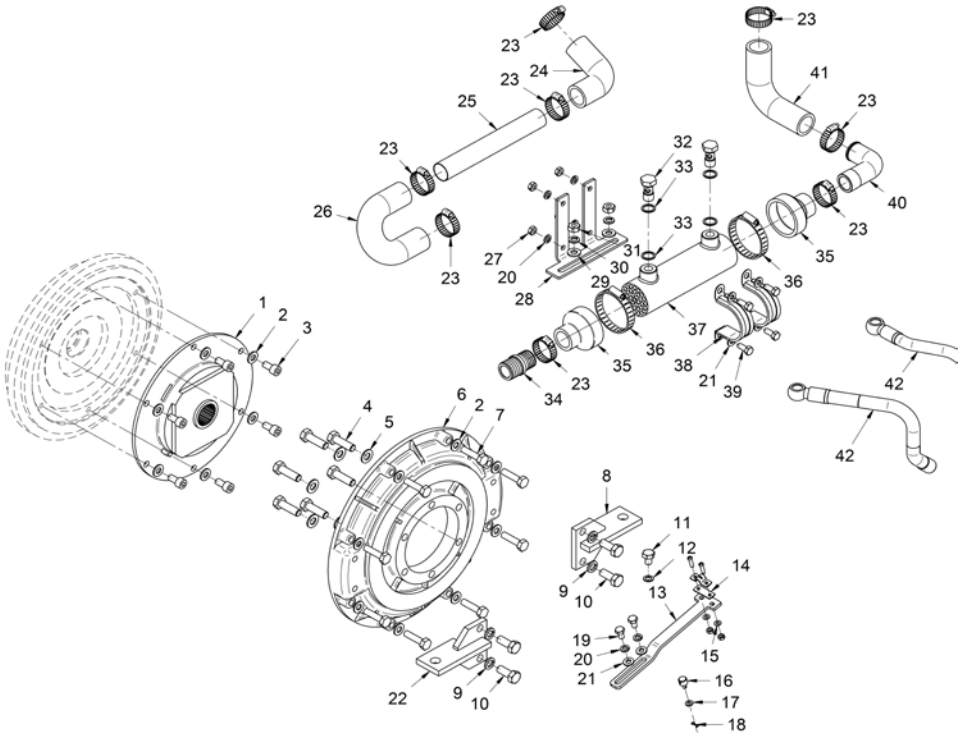
17110200			Kit GearBox TM-93/A
FIG.	**REF.**	**QTY**	**DESCR.**
1	17110071	1	Flexible Coupling Type B SAE 8"
2	53038010	14	Washer DIN 6798-A 10
3	53203307	6	Bolt DIN 912 M10x1,25-20 12.9
4	52102361	5	Bolt DIN 933 M12-40 8.8
5	53038012	5	Washer DIN 6798-A 12
6	17010017.1	1	Adaptor TM-93
7	52202311	8	Bolt 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	1	Washer DIN 125-6
18	51051107	1	Pin DIN-94 1,6-16
19	52102256	2	Bolt DIN 933 M8-15 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	Pipe
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
32	14712015	2	Bolt,Coupling pipe oil
33	57000375	4	Washer 17-22-1,5
36	18011026	1	Pipe
37	15312007	2	Cover, water cooler D 30



[NS] Not shown

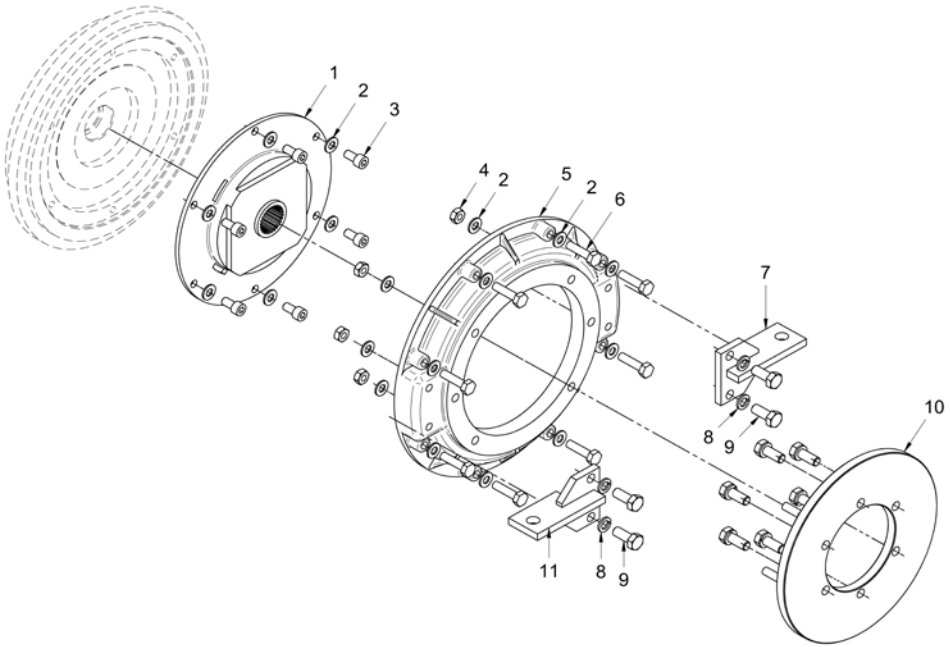
Kit Gearbox

17110200			Kit GearBox TM-93/A
FIG.	**REF.**	**QTY**	**DESCR.**
38	54082050	2	Clamp DIN 3017 50-70/12 W4
39	14712051	1	Cooler,oil
40	59072604	2	Clamp
41	52102257	4	Bolt DIN 933 M8-20 8.8
42	17111010	1	Elbow
43	18211018	1	Rubber
NS	17112024	2	Pipe, rev.oil Cooler [NS]



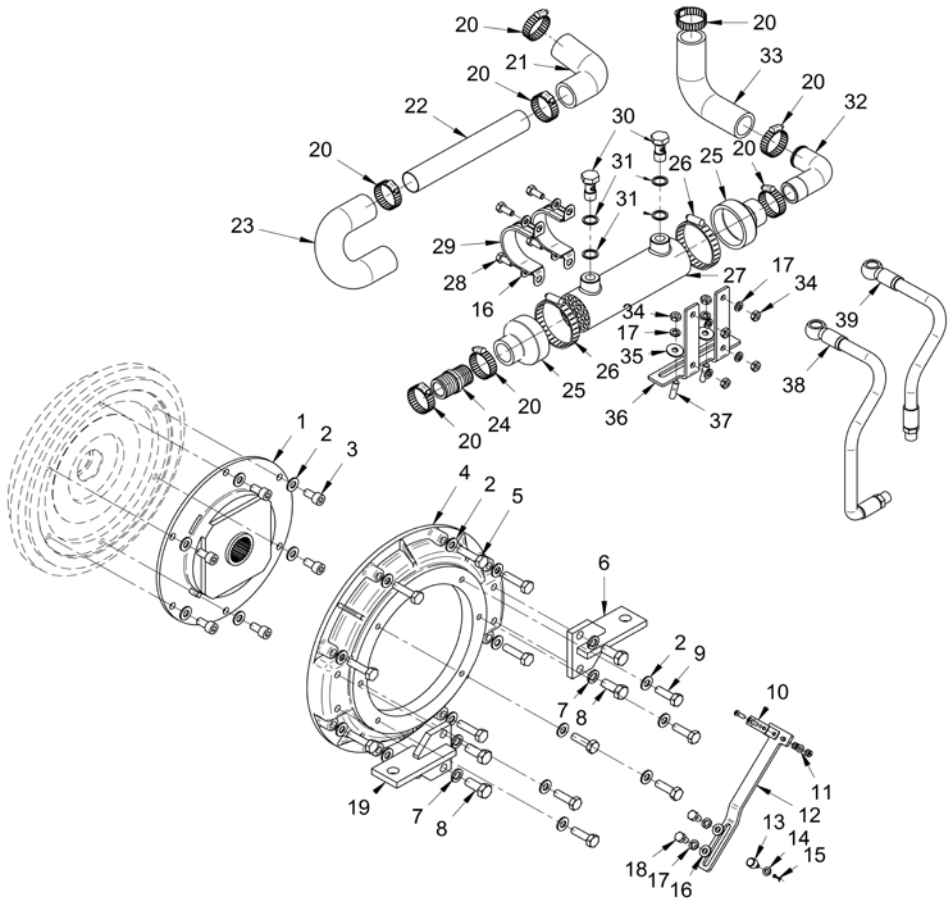
Kit Gearbox

17110205			Kit GearBox TM-170A (Without Oil Cooler)
FIG.	**REF.**	**QTY**	**DESCR.**
1	17110071	1	Flexible Coupling Type B SAE 8"
2	53038010	20	Washer DIN 6798-A 10
3	53203307	6	Bolt DIN 912 M10x1,25-20 12.9
4	52120010	6	Nut DIN 934 M10 8.8
5	17110026	1	Adaptor SAE 7 RD
6	52202311	8	Bolt DIN 933 M10-1,25-40 8.8
7	17110008	1	LEFT REAR Bracket
8	53033012	4	Washer GROWER DIN 127-12
9	52102359	4	Bolt DIN 933 M12-30 8.8
10	24870021	1	BW Housing TM-93/170/485/545
11	17110009	1	RIGHT REAR Bracket

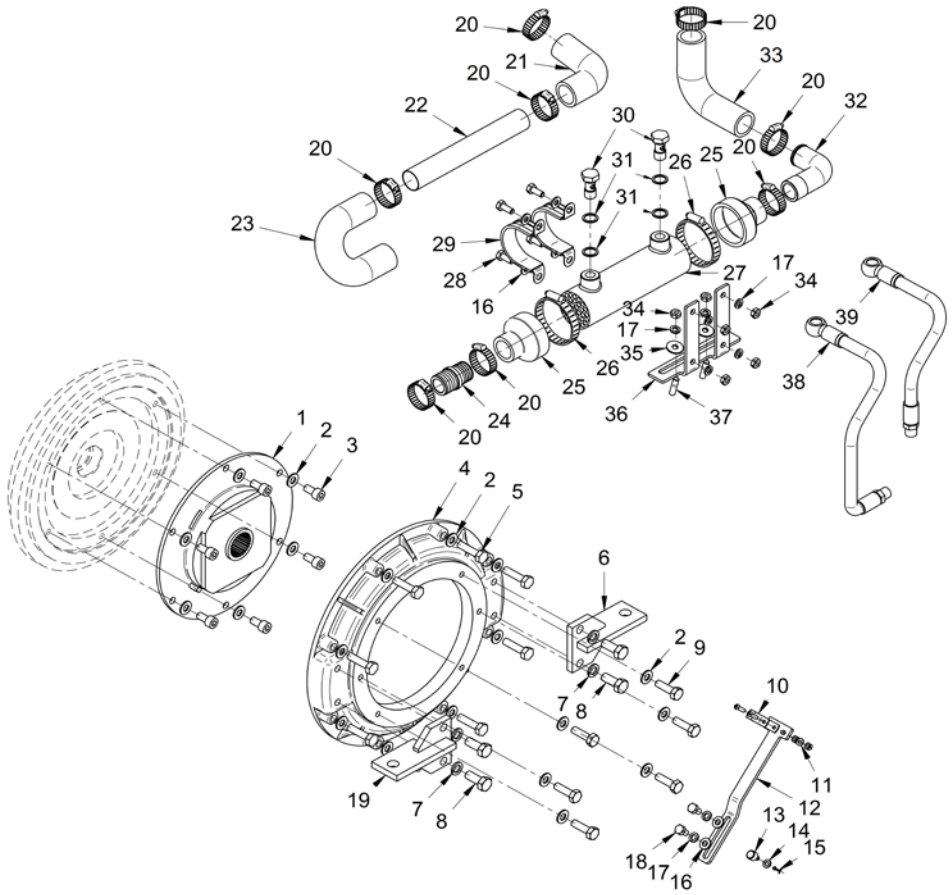


Kit Gearbox

17110210			Kit GearBox TM-345/A
FIG.	**REF.**	**QTY**	**DESCR.**
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	1	Washer DIN 125-6
15	51051107	1	Pin DIN-94 1,6-16
17	51030008	6	Washer DIN 125-8
17	53033008	8	Washer GROWER DIN 127-8
18	52102256	2	Bolt DIN 933 M8-15 8.8
19	17110009	1	RIGHT REAR Bracket
20	54082025	8	Clamp DIN 3017 25-40/12 W4
21	17111037	1	Pipe
22	17111026	1	Pipe
23	17111036	1	Pipe
24	18011026	1	Pipe
25	15312007	2	Cover, water cooler D 30
26	54082050	2	Clamp DIN 3017 50-70/12 W4
27	14712051	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	57000375	4	Washer 17-22-1,5
32	17111010	1	Elbow
33	13211057	1	Rubber
34	52120008	6	Nut DIN 934 M8 8.8
35	51031008	2	Washer DIN 9021 8

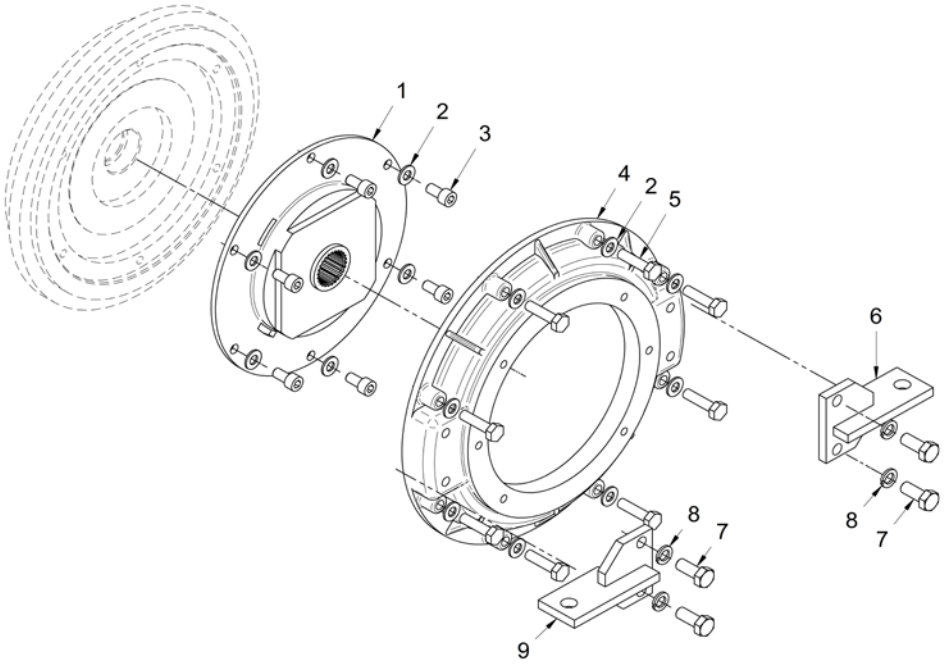


17110210			Kit GearBox TM-345/A
FIG.	**REF.**	**QTY**	**DESCR.**
36	18012041	1	Bracket,TM93/170 oil cooler
37	12120018	2	Stud
38	17012024	2	Pipe



Kit Gearbox

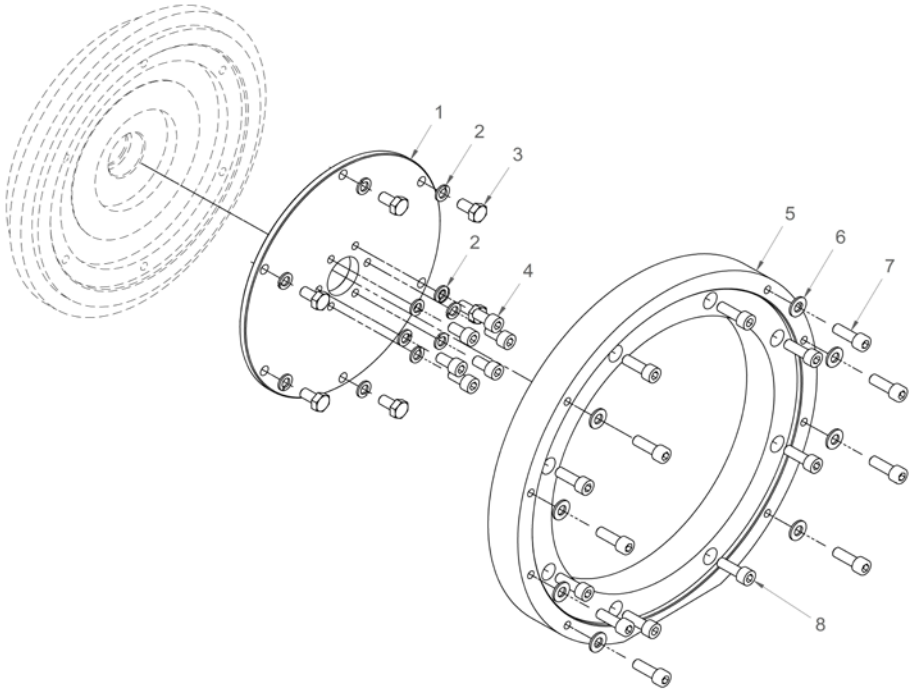
17110211			Kit Gearbox Hidraulic SAE 7
FIG.	**REF.**	**QTY**	**DESCR.**
1	17110071	1	Flexible Coupling Type B SAE 8"
2	53038010	19	Washer DIN 6798-A 10
3	53203307	6	Bolt DIN 912 M10x1,25-20 12.9
4	17010018.1	1	Adaptor SAE 7 RD
5	52202311	8	Bolt DIN 933 M10-1,25-40 8.8
6	17110008	1	LEFT REAR Bracket
7	52102359	4	Bolt DIN 933 M12-30 8.8
8	53033012	4	Washer GROWER DIN 127-12
9	17110009	1	RIGHT REAR Bracket
NS	17111010	1	Elbow [NS]
NS	17111026	1	Pipe [NS]
NS	17111036	1	Pipe [NS]
NS	17111037	1	Pipe [NS]
NS	18011026	1	Pipe [NS]
NS	18211018	1	Rubber [NS]
NS	51030005	2	Washer DIN 125-5 [NS]
NS	51030006	1	Washer DIN 125-6 [NS]
NS	51030008	6	Washer DIN 125-8 [NS]
NS	51031008	2	Washer DIN 9021 8 [NS]
NS	51051107	1	Pin DIN-94 1,6-16 [NS]
NS	52102256	2	Bolt DIN 933 M8-15 8.8 [NS]
NS	52102257	4	Bolt DIN 933 M8-20 8.8 [NS]
NS	52102308	5	Bolt DIN 933 M10-25 8.8 [NS]
NS	52120008	6	Nut DIN 934 M8 8.8 [NS]
NS	53033008	8	Washer GROWER DIN 127-8 [NS]
NS	54082025	8	Clamp DIN 3017 25-40/12 W4 [NS]
NS	54082050	2	Clamp DIN 3017 50-70/12 W4 [NS]



[NS] Not shown

Kit Gearbox

17110215			Kit Jet Castoldi 05
FIG.	**REF.**	**QTY**	**DESCR.**
1	17110017	1	Damper, Plate
2	53033010	12	Washer GROWER DIN 127-10
3	53203307	6	Bolt DIN 912 M10x1,25-20 12.9
4	52102307	6	Bolt DIN 933 M10-20 8.8
5	17110016	1	Adaptor JET
6	53038010	8	Washer DIN 6798-A 10
7	52103309	8	Bolt DIN 912 M10-30 8.8
8	52203309	8	Bolt DIN 912 M10-1,25-30 12.9
NS	54082025	2	Clamp DIN 3017 25-40/12 W4 [NS]



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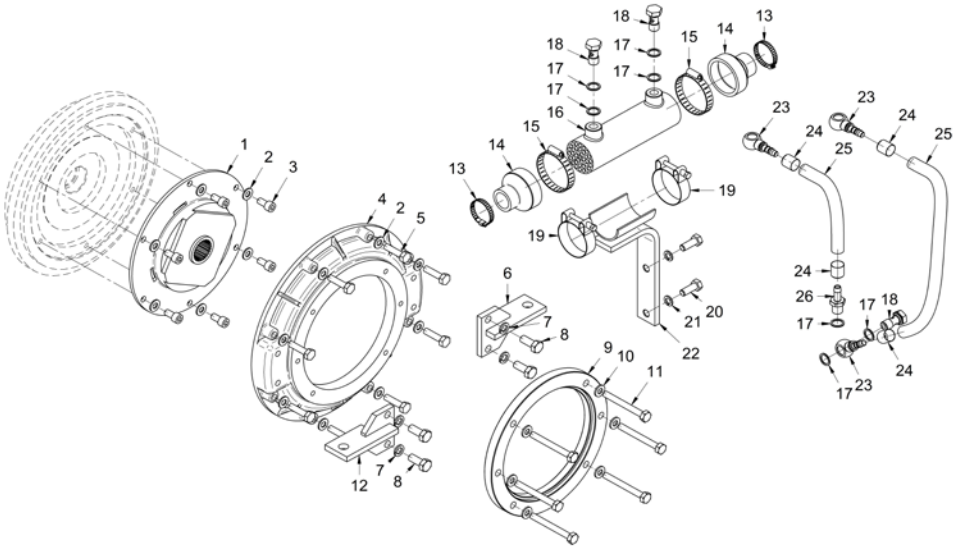
Kit Gearbox

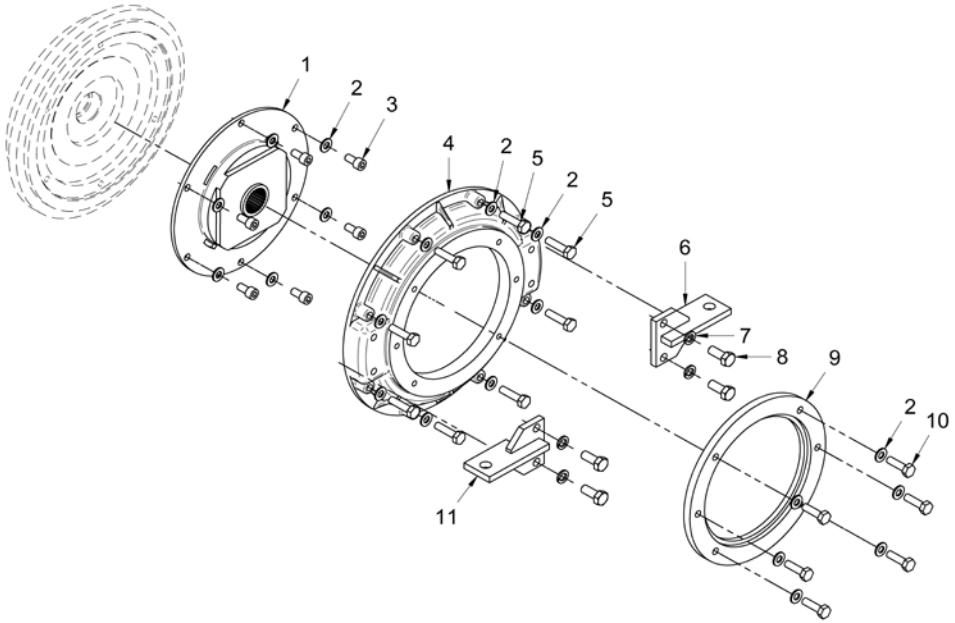
17110220			Kit GearBox BORG WARNER
FIG.	**REF.**	**QTY**	**DESCR.**
1	17110071	1	Flexible Coupling Type B SAE 8"
2	53038010	14	Washer DIN 6798-A 10
3	53203307	6	Bolt DIN 912 M10x1,25-20 12.9
4	17010018.1	1	Adaptor SAE 7 RD
5	52202311	8	Bolt DIN 933 M10-1,25-40 8.8
6	17110008	1	LEFT REAR Bracket
7	53033012	4	Washer GROWER DIN 127-12
8	52102359	4	Bolt DIN 933 M12-30 8.8
9	17110013	1	Spacer
10	51030010	6	Washer DIN 125-10
11	52101318	6	Bolt DIN 931 M10-75 8.8
12	17110009	1	RIGHT REAR Bracket
13	54082025	10	Clamp DIN 3017 25-40/12 W4
14	15312007	2	Cover, water cooler D 30
15	54082050	2	Clamp DIN 3017 50-70/12 W4
16	14712051	1	Cooler,oil
17	57000375	6	Washer 17-22-1,5
18	14712015	3	Bolt,Coupling pipe oil
19	51083060	2	Clamp "P" 59-63
20	52302309	2	Bolt DIN 933 W7/16-30 8.8
21	53033010	6	Washer GROWER DIN 127-10
22	17112019	1	Bracket,Cooler Oil
23	14712035	3	Coupling,ball pipe oil
24	14712031	4	Retainer
25	M84501019	0,7	LOW Pressure Hose D. 10-19
26	14712032	1	Coupling,ball pipe oil
NS	13211057	2	Rubber [NS]
NS	14912043	2	Coupling,screw pipe Gear box [NS]
NS	15211027	2	Elbow,engine water exhaust [NS]
NS	15312009	2	Elbow [NS]
NS	17111026	1	Pipe [NS]



[NS] Not shown

Kit Gearbox

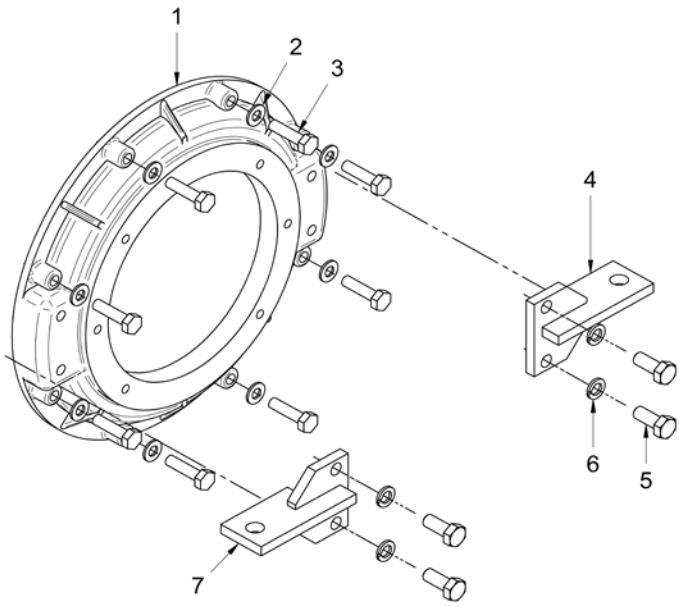
17110221			Kit GearBox ZF-25MA/M - HBW250
FIG.	**REF.**	**QTY**	**DESCR.**
1	17110071	1	Flexible Coupling Type B SAE 8"
2	53038010	20	Washer DIN 6798-A 10
3	53203307	6	Bolt DIN 912 M10x1,25-20 12.9
4	17010018.1	1	Adaptor SAE 7 RD
5	52202311	8	Bolt DIN 933 M10-1,25-40 8.8
6	17110008	1	LEFT REAR Bracket
7	53033012	4	Washer GROWER DIN 127-12
8	52102359	4	Bolt DIN 933 M12-30 8.8
9	18210024	1	Adaptor Flange
10	52101310	6	Bolt DIN 931 M10-35 8.8
11	17110009	1	RIGHT REAR Bracket
NS	M87503242	1,3	Water Intake Hose (HQ) D. 32-42 [NS]
NS	54082025	4	Clamp DIN 3017 25-40/12 W4 [NS]



[NS] Not shown

Kit Gearbox

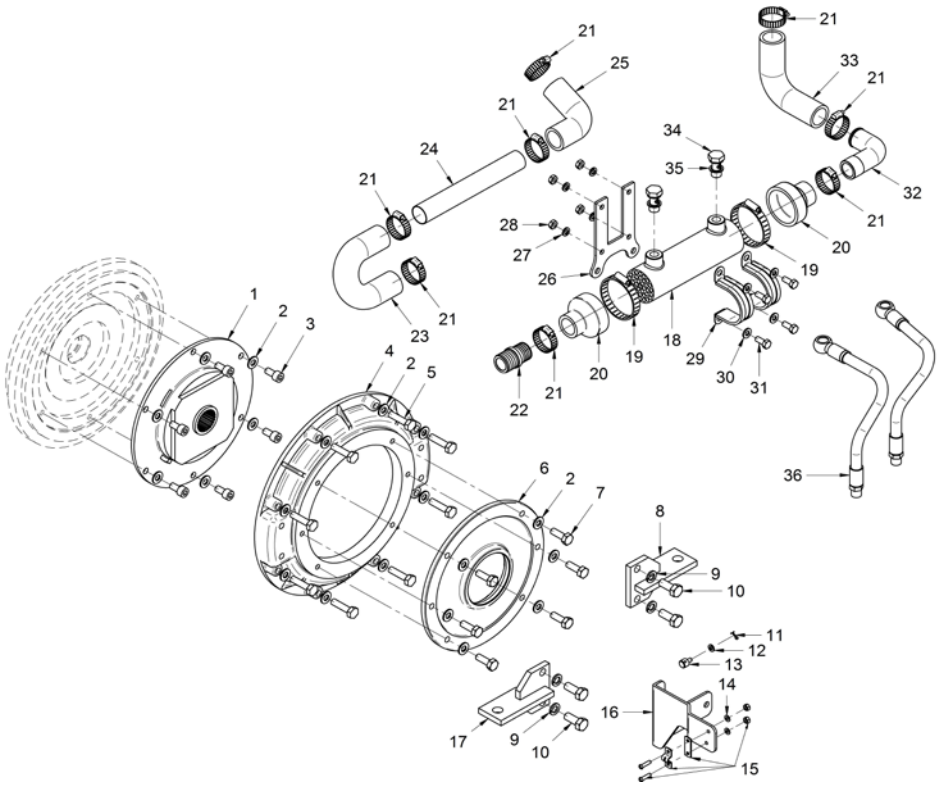
17110222			Kit Adaptor SAE 7 (Without Disk)
FIG.	**REF.**	**QTY**	**DESCR.**
1	17010018.1	1	Adaptor SAE 7 RD
2	53038010	8	Washer DIN 6798-A 10
3	52202311	8	Bolt DIN 933 M10-1,25-40 8.8
4	17110008	1	LEFT REAR Bracket
5	52102359	4	Bolt DIN 933 M12-30 8.8
6	53033012	4	Washer GROWER DIN 127-12
7	17110009	1	RIGHT REAR Bracket
NS	54082025	2	Clamp DIN 3017 25-40/12 W4 [NS]



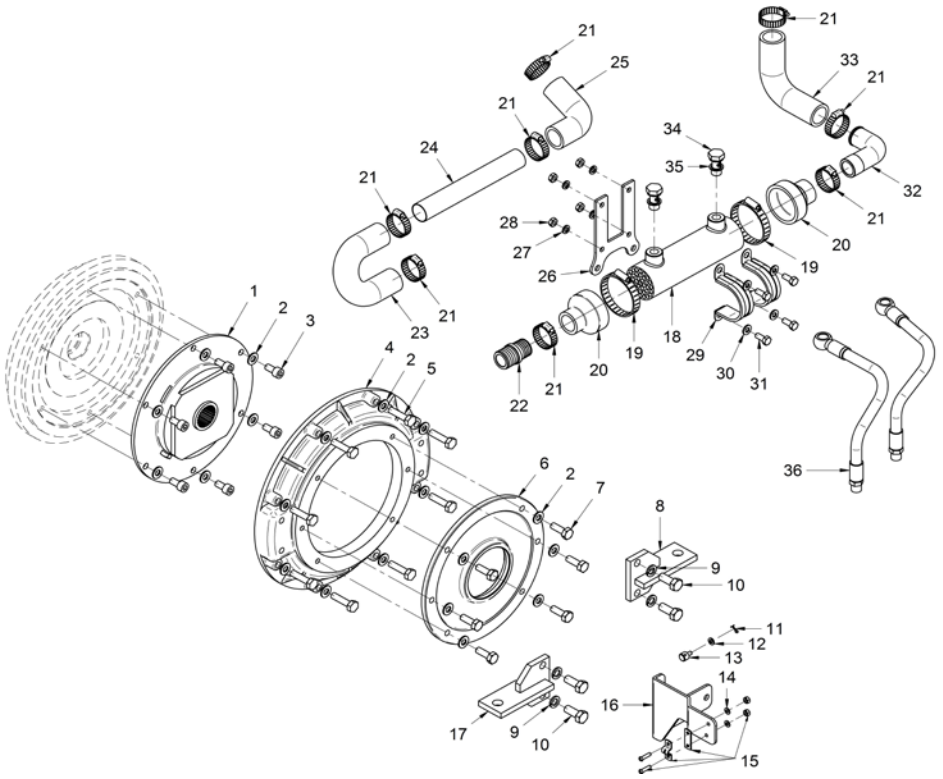
[NS] Not shown

Kit Gearbox

17110223			Kit Gearbox ZF-25, Hidraulic
FIG.	**REF.**	**QTY**	**DESCR.**
1	17110071	1	Flexible Coupling Type B SAE 8"
2	53038010	20	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	24601021	1	BW Housing Inv.ZF-25M
7	52102309	6	Bolt DIN 933 M10-30 8.8
8	17110009	1	RIGHT REAR Bracket
9	53033012	4	Washer GROWER DIN 127-12
10	52102359	4	Bolt DIN 933 M12-30 8.8
11	51051107	1	Pin DIN-94 1,6-16
12	51030006	1	Washer DIN 125-6
13	14719115	1	Coupling,cable
14	51030005	2	Washer DIN 125-5
15	24810913	1	Clamp,CABLE
16	24601910	1	Bracket, GearBox Control
17	17110008	1	LEFT REAR Bracket
18	14712051	1	Cooler,oil
19	54082050	2	Clamp DIN 3017 50-70/12 W4
20	15312007	2	Cover, water cooler D 30
21	54082025	8	Clamp DIN 3017 25-40/12 W4
22	18011026	1	Pipe
23	17111036	1	Pipe
24	17111026	1	Pipe
25	17111037	1	Pipe
26	17112041	1	Bracket, ZF-25 Oil Cooler
27	53033008	4	Washer GROWER DIN 127-8
28	52120008	4	Nut DIN 934 M8 8.8
29	59072604	2	Clamp
30	51030008	4	Washer DIN 125-8
31	52102257	4	Bolt DIN 933 M8-20 8.8
32	17111010	1	Elbow
33	13211057	1	Rubber
34	14712015	2	Bolt,Coupling pipe oil
35	57000375	4	Washer 17-22-1,5

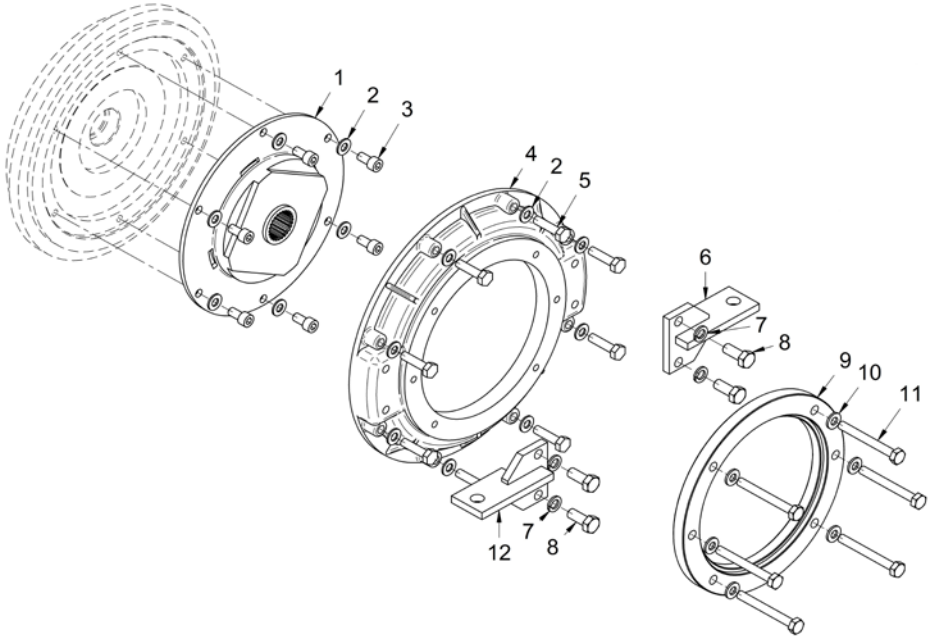


17110223			Kit Gearbox ZF-25, Hidraulic
FIG.	**REF.**	**QTY**	**DESCR.**
36	18512024	2	Pipe



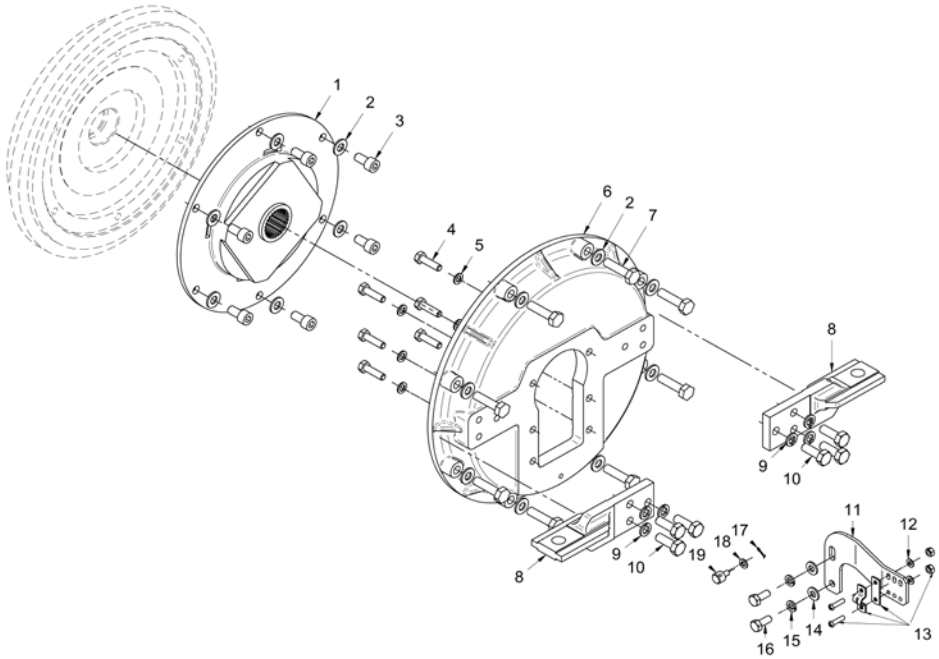
Kit Gearbox

17110224			Kit GearBox BW (Without Oil Cooler)
FIG.	**REF.**	**QTY**	**DESCR.**
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	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	17110013	1	Spacer
10	51030010	6	Washer DIN 125-10
11	52101318	6	Bolt DIN 931 M10-75 8.8
12	17110009	1	RIGHT REAR Bracket
21	53033010	6	Washer GROWER DIN 127-10



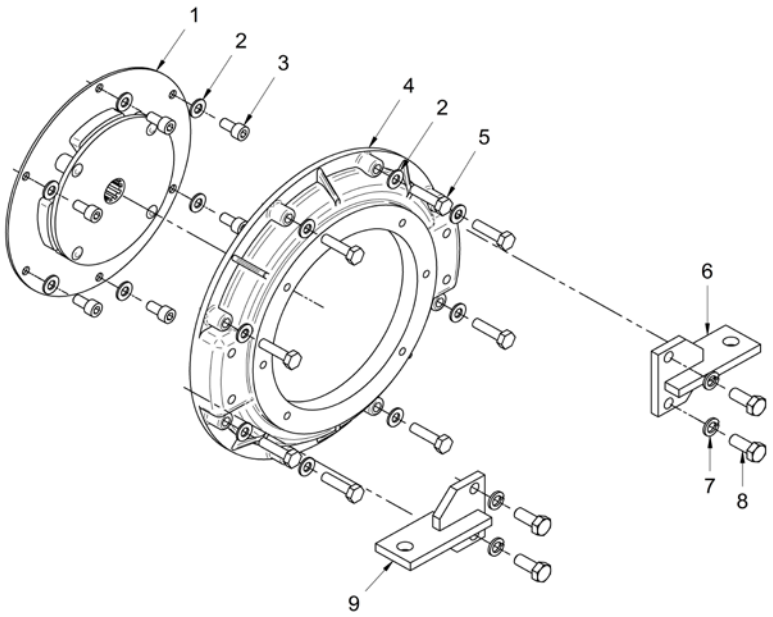
Kit Gearbox

17110225			Kit GearBox TMC-260
FIG.	**REF.**	**QTY**	**DESCR.**
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	1	Washer DIN 125-6
19	14719115	1	Coupling,cable



Kit Gearbox

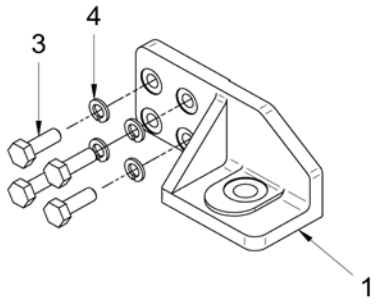
17110239			Kit GearBox PRM-260D SAE 7
FIG.	**REF.**	**QTY**	**DESCR.**
1	17110073	1	Flexible Coupling Type E SAE 8" PRM160
2	53038010	14	Washer DIN 6798-A 10
3	53203307	6	Bolt DIN 912 M10x1,25-20 12.9
4	17010018.1	1	Adaptor SAE 7 RD
5	52202311	8	Bolt DIN 933 M10-1,25-40 8.8
6	17110008	1	LEFT REAR Bracket
7	53033012	4	Washer GROWER DIN 127-12
8	52102359	4	Bolt DIN 933 M12-30 8.8
9	17110009	1	RIGHT REAR Bracket
NS	52101318	6	Bolt DIN 931 M10-75 8.8 [NS]

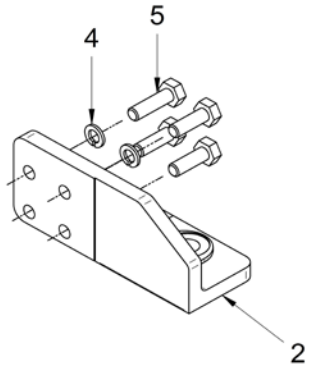


[NS] Not shown

Kit Gearbox

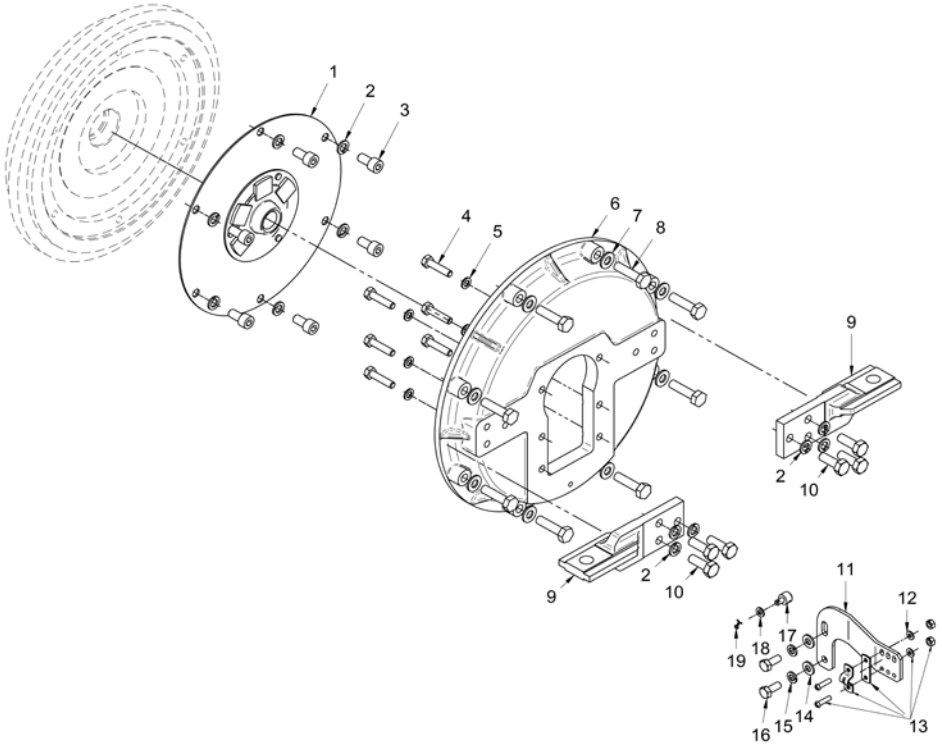
17110240			Kit Bobtail
FIG.	**REF.**	**QTY**	**DESCR.**
1	17110005	1	Bracket REAR
2	17110006	1	Bracket REAR
3	52202309	7	Bolt DIN 933 M10-1,25-30 8.8
4	52202310	1	Bolt DIN 933 M10-1,25-35 8.8
5	53033010	8	Washer GROWER DIN 127-10





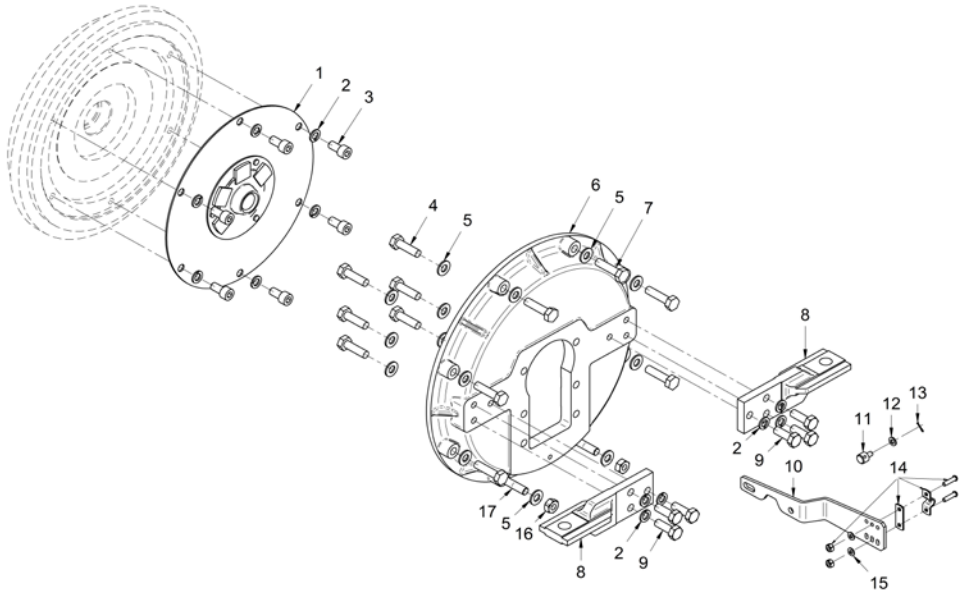
Kit Gearbox

17110245			Kit GearBox TMC-60
FIG.	**REF.**	**QTY**	**DESCR.**
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
19	51051107	1	Pin DIN-94 1,6-16



Kit Gearbox

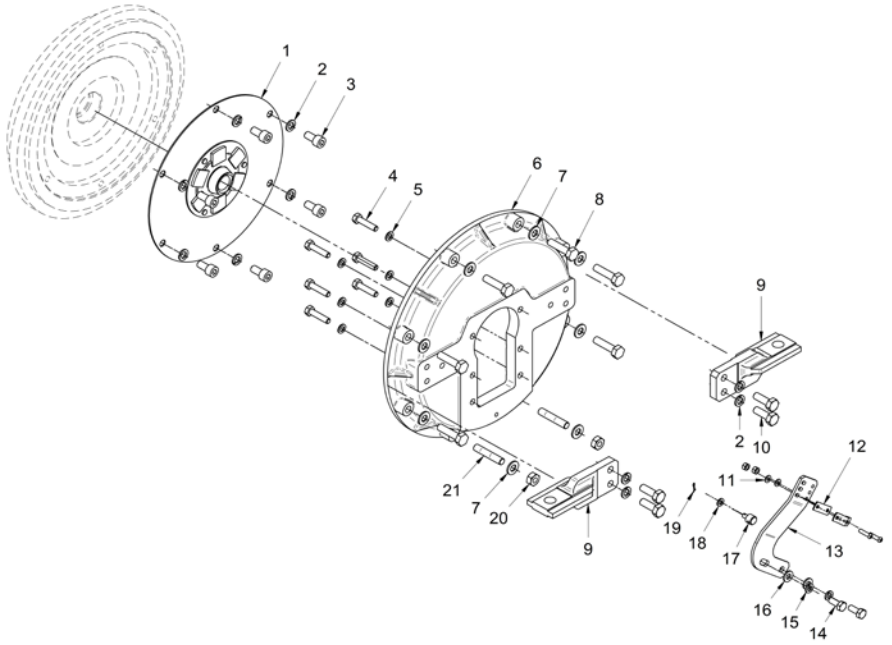
17110250			Kit GearBox HURTH-150V
FIG.	**REF.**	**QTY**	**DESCR.**
1	17110070	1	Flexible Coupling Type A SAE 8"
2	53033010	12	Washer GROWER DIN 127-10
3	53203307	6	Bolt DIN 912 M10x1,25-20 12.9
4	52101310	6	Bolt DIN 931 M10-35 8.8
5	53038010	12	Washer DIN 6798-A 10
6	17010014.1	1	HURTH,Block REV.Connection
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	1	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
NS	51030008	2	Washer DIN 125-8 [NS]
NS	52120008	2	Nut DIN 934 M8 8.8 [NS]
NS	53033008	2	Washer GROWER DIN 127-8 [NS]
NS	54082025	2	Clamp DIN 3017 25-40/12 W4 [NS]



[NS] Not shown

Kit Gearbox

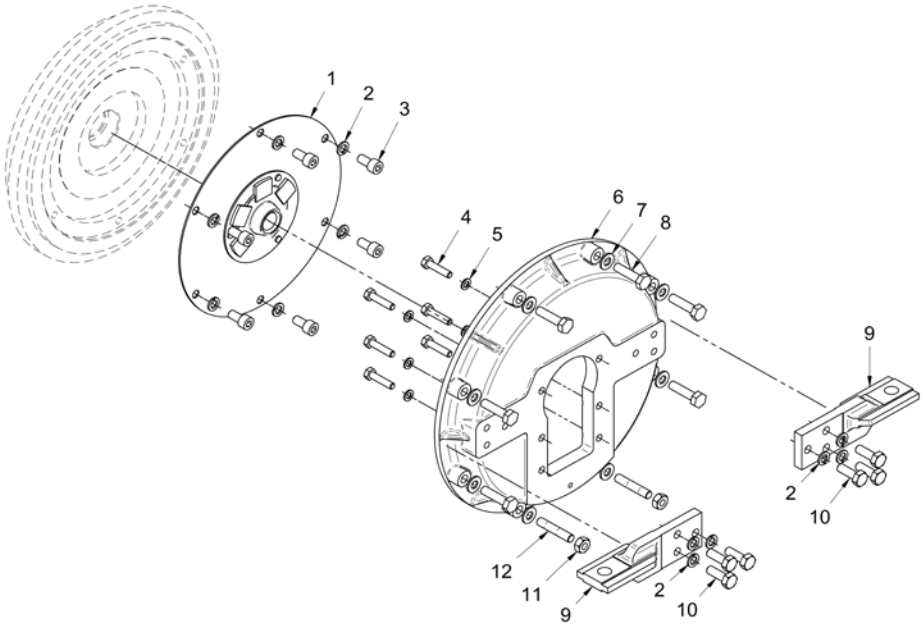
17110260			Kit GearBox PRM-150
FIG.	**REF.**	**QTY**	**DESCR.**
1	17110070	1	Flexible Coupling Type A SAE 8"
2	53033010	12	Washer GROWER DIN 127-10
3	53203307	6	Bolt DIN 912 M10x1,25-20 12.9
4	52101260	6	Bolt DIN 931 M8-35 8.8
5	53038008	6	Washer DIN 6798-A 8
6	17010014	1	HURTH,block rever.connection
7	53038010	8	Washer DIN 6798-A 10
8	52202311	6	Bolt DIN 933 M10-1,25-40 8.8
9	17110024	2	REAR Bracket
10	52102309	6	Bolt DIN 933 M10-30 8.8
11	51030005	2	Washer DIN 125-5
12	24810913	1	Clamp,CABLE
13	24880901	1	Bracket, GearBox Control
14	52102257	2	Bolt DIN 933 M8-20 8.8
14	51030008	2	Washer DIN 125-8
15	53033008	2	Washer GROWER DIN 127-8
17	14719115	1	Coupling,cable
18	51030006	1	Washer DIN 125-6
19	51051107	1	Pin DIN-94 1,6-16
20	52120010	2	Nut DIN 934 M10 8.8
21	17010007	2	Stud
NS	M87503242	1	Water Intake Hose (HQ) D. 32-42 [NS]
NS	24270041	1	PRM150,Oil Cooler CompletE [NS]
NS	54082025	2	Clamp DIN 3017 25-40/12 W4 [NS]
NS	58088281	3	Clamp [NS]



[NS] Not shown

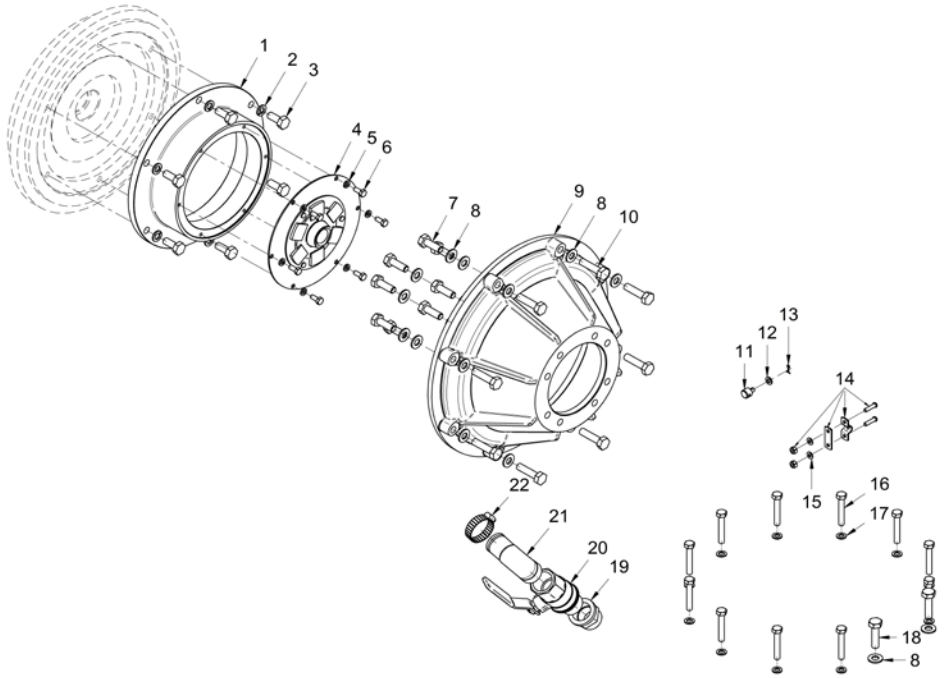
Kit Gearbox

17132100			Kit GearBox TMC-60/ZF/PRM
FIG.	**REF.**	**QTY**	**DESCR.**
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	6	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	52120010	2	Nut DIN 934 M10 8.8
12	17010007	2	Stud



Kit Gearbox

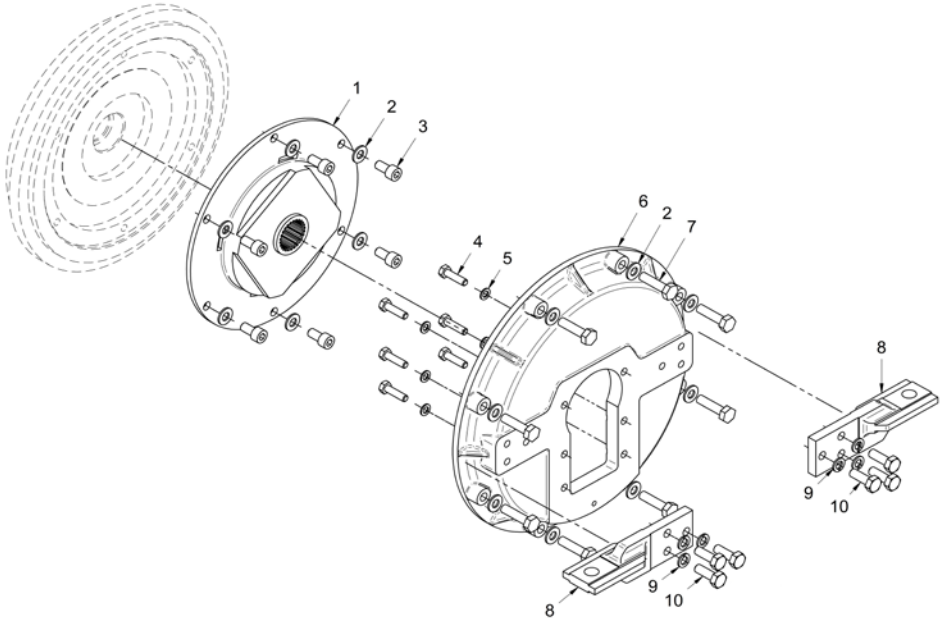
17132100T			Kit S-Drive TECHNO.SP60
FIG.	**REF.**	**QTY**	**DESCR.**
1	17110023	1	Suplement,Flywheel
2	53033010	6	Washer GROWER DIN 127-10
3	52202308	6	Bolt DIN 933 M10-1,25-25 8.8
4	14710070	1	Flexible Coupling Type A D. 185
5	53033006	6	Washer GROWER DIN 127-6
6	52102156	6	Bolt DIN 933 M6-16 8.8
7	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	1	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	M87503040	1,2	Water Intake Hose (HQ) D. 30-38 [NS]
NS	58088280	2	Clamp [NS]



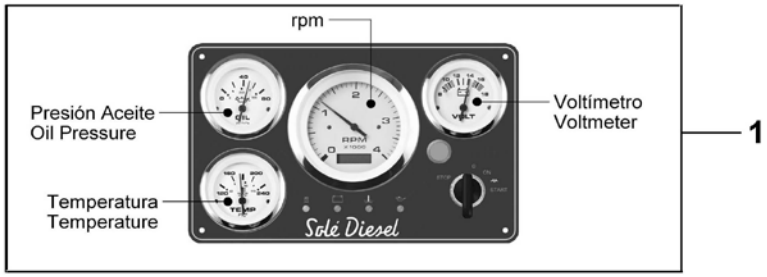
[NS] Not shown

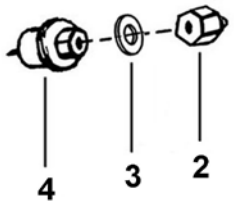
Kit Gearbox

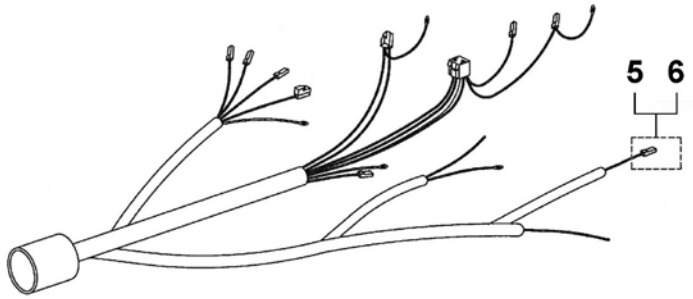
17132101			Kit GearBox TMC-260
FIG.	**REF.**	**QTY**	**DESCR.**
1	17110071	1	Flexible Coupling Type B SAE 8"
2	53038010	8	Washer DIN 6798-A 10
3	53203307	6	Bolt DIN 912 M10x1,25-20 12.9
4	52101260	6	Bolt DIN 931 M8-35 8.8
5	53038008	6	Washer DIN 6798-A 8
6	17010014	1	HURTH,block rever.connection
7	52202311	6	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



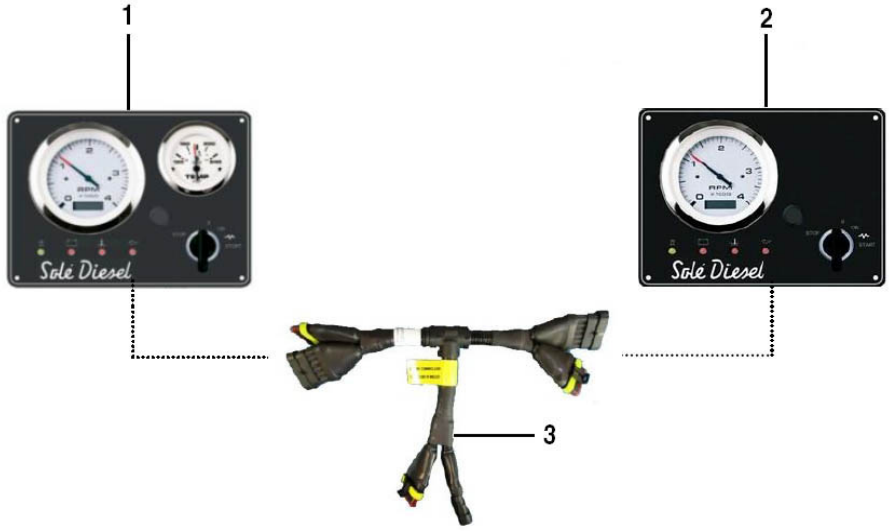
17117215.2			Price Supplement Panel TE3 MINI-62
FIG.	**REF.**	**QTY**	**DESCR.**
1	60971127.2	1	Panel TE3 MINI-62
2	17117052	1	Oil Pressure Sensor Adaptor
3	57000361	1	Washer 10-14-1,5
4	60900985	1	Pressure Sensor
5	TFH.1M.6.3.08	1	Straight Receptacle 1 Sec. Faston
6	60900063	1	Insulator Cap Faston 6.3



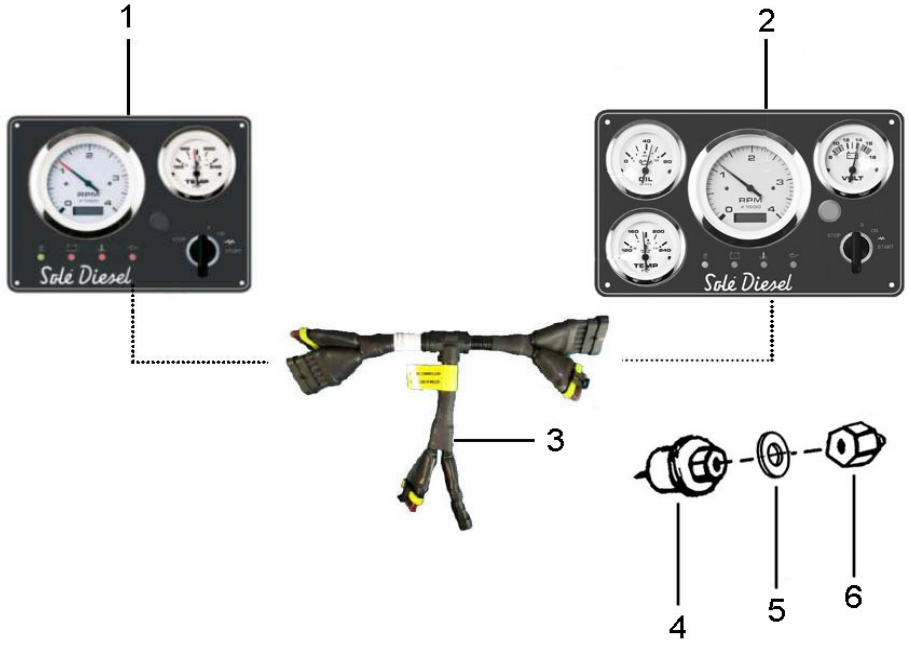




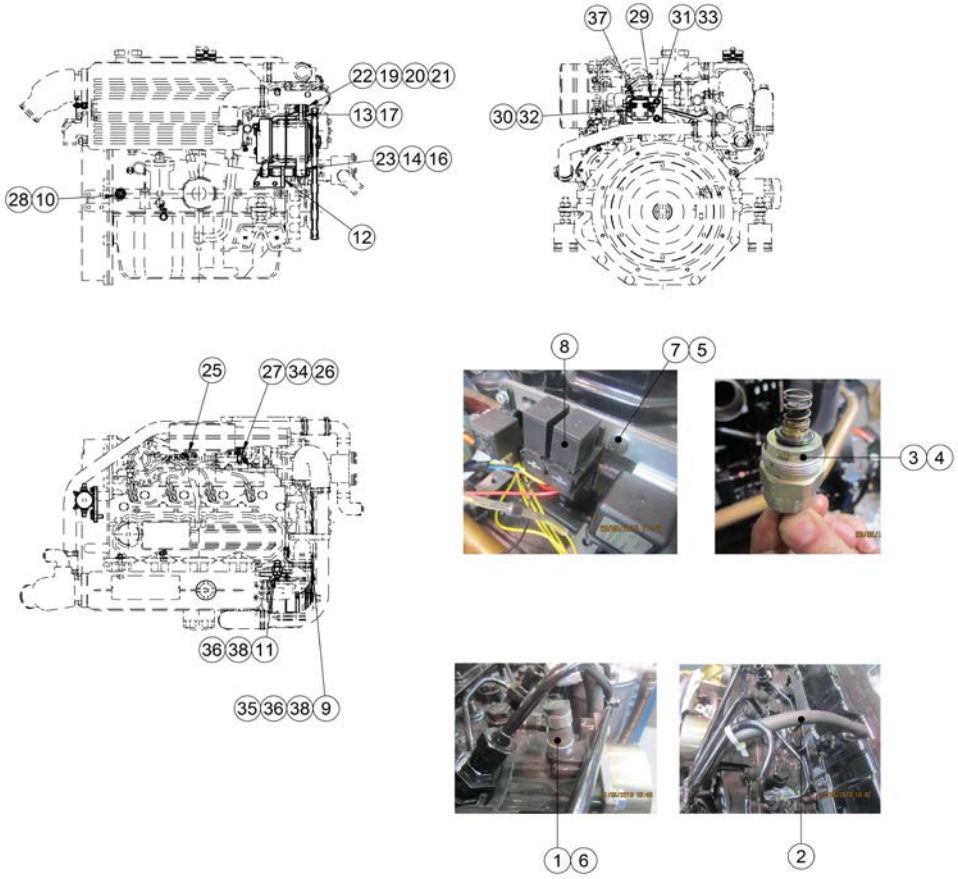
60971000RD			Kit 2nd Panel TE4 MINI-62 12V
FIG.	**REF.**	**QTY**	**DESCR.**
1	60971126.2	1	Panel TE4 MINI-62
2	60971125.2	1	Panel TE2 MINI-62
3	60900210.2	1	T Double Panel DERIVATION



60971000RDL			Kit 2nd Electrical Panel TE3&TE4 MINI-62
FIG.	**REF.**	**QTY**	**DESCR.**
1	60971126.2	1	Panel TE4 MINI-62
2	60971127.2	1	Panel TE3 MINI-62
3	60900210.2	1	T Double Panel DERIVATION
4	60900985	1	Pressure Sensor
5	57000361	1	Washer 10-14-1,5
6	17117052	1	Oil Pressure Sensor Adaptor

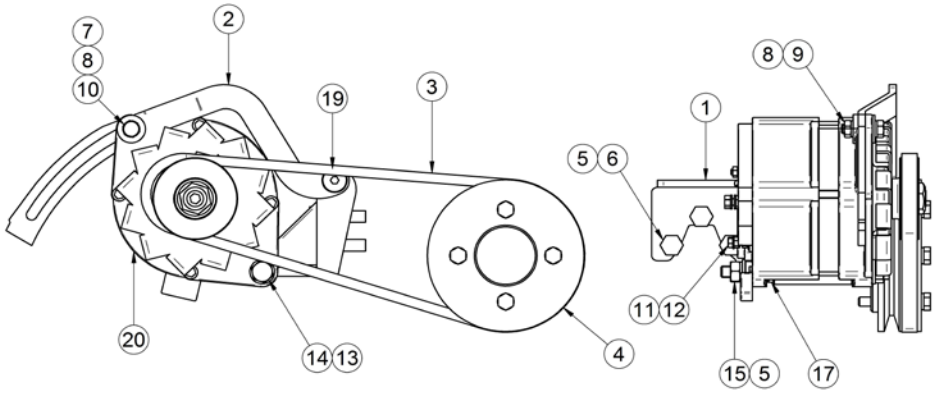


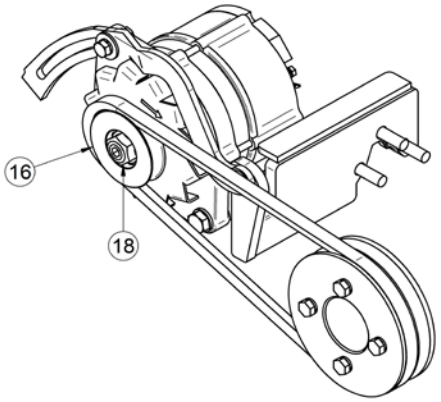
17114060B			Kit Isolated SOLAS
FIG.	**REF.**	**QTY**	**DESCR.**
9	60900972	1	High Coolant, 2 PoleS
10	60900978	1	SWITCH, Oil PRESS
11	60900982	1	Temperature SENDER
12	17127002.6B	1	Bracket Alternator
13	17127007.3	1	BRACE Generator
14	17117011	2	Bushing
17	17117012	2	Bushing
19	51031008	3	Washer DIN 9021 8
25	13019001	2	Clamp
26	14419023	1	Ball JOINT
27	15119015	1	CABLE Holder Ball
28	17117052	1	Oil Pressure Sensor Adaptor
29	17117107	1	SUPORT RELAIS
30	51030006	2	Washer DIN 125-6
31	51030008	2	Washer DIN 125-8
32	52102154	2	Bolt DIN 933 M6-10 8.8
33	52102258	2	Bolt DIN 933 M8-25 8.8
34	52120006	1	Nut DIN 934 M6 8.8
35	56000069	1	Washer 14-20-1,5
36	56000073	3	Washer 16-23-1,5
37	19017104	1	Relay 12 V. Bipolar
38	60900999	2	Connection M14X1,5 5/8" EXA.22 L=22
NS	58088284	5	Clamp [NS]
NS	60900069	1	Wiring MASS RELE ALT. PREST. TER. D. 6 [NS]
NS	60971202R.2V	1	MINI-62 E. Wiring EARTH ISOLATED SOLAS [NS]
NS	60972048	1	MASS BLACK TO Wiring START [NS]
NS	60975048	1	MASS BLACK TO Wiring START [NS]



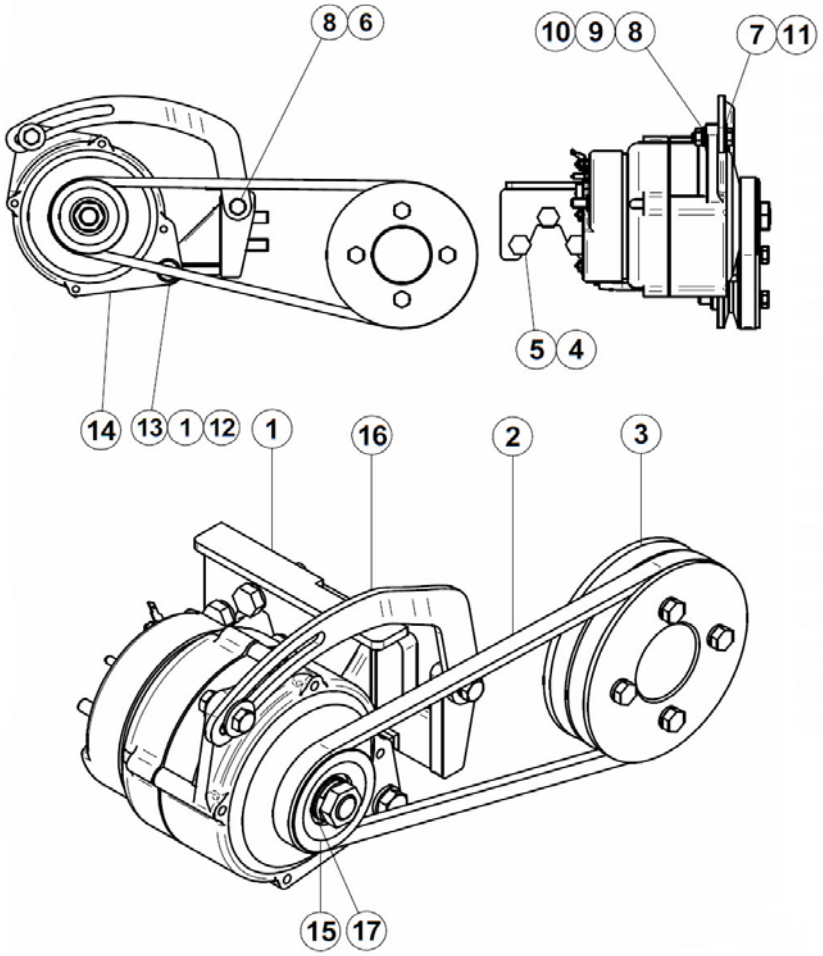
[NS] Not shown

17117104			Kit 2nd Alternator 28V/55A
FIG.	**REF.**	**QTY**	**DESCR.**
1	17117105.1	1	Bracket
2	19127007	1	Belt,stretcher
3	17117100.3	1	Belt Type
4	17110102	1	Pulley 2A (S)
5	53033010	10	Washer GROWER DIN 127-10
6	52202311	1	Bolt DIN 933 M10-1,25-40 8.8
7	51031008	1	Washer DIN 9021 8
8	53033008	3	Washer GROWER DIN 127-8
9	52120008	1	Nut DIN 934 M8 8.8
10	52102259	1	Bolt DIN 933 M8-30 8.8
11	53033005	1	Washer GROWER DIN 127-5
12	52120005	1	Nut DIN 934 M5 8.8
13	51030010	3	Washer DIN 125-10
14	52101326	1	Bolt DIN 931 M10-130 8.8
15	52120010	1	Nut DIN 934 M10 8.8
16	17117018	1	Pulley Alternator
17	17614019	1	Spacer 10,5X18X6
18	17417019.A	1	DIFFERENTS COMPONENTS
19	52102306	1	Bolt DIN 933 M10-15 8.8
20	17417024	1	Alternator 28V/55A

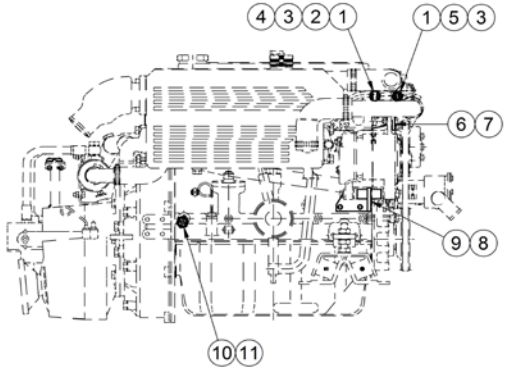


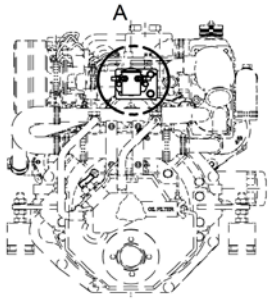


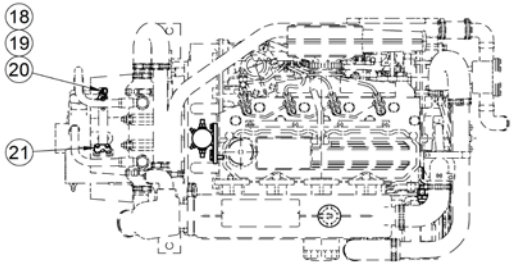
17117111			Kit 2nd Alternator 14V/95A
FIG.	**REF.**	**QTY**	**DESCR.**
1	17117111.1	1	Bracket
2	17117100.3	1	Belt Type
3	17110102	1	Pulley 2A (S)
4	53033010	3	Washer GROWER DIN 127-10
5	52202311	3	Bolt DIN 933 M10-1,25-40 8.8
6	52102256	1	Bolt DIN 933 M8-15 8.8
7	51031008	1	Washer DIN 9021 8
8	53033008	2	Washer GROWER DIN 127-8
9	52120008	1	Nut DIN 934 M8 8.8
10	51030008	1	Washer DIN 125-8
11	52102259	1	Bolt DIN 933 M8-30 8.8
12	51030010	1	Washer DIN 125-10
13	52101326	1	Bolt DIN 931 M10-130 8.8
14	17117016	1	Alt. 14V/95A
15	17117016.7	1	Pulley
16	17117111.2	1	Belt, Stretcher

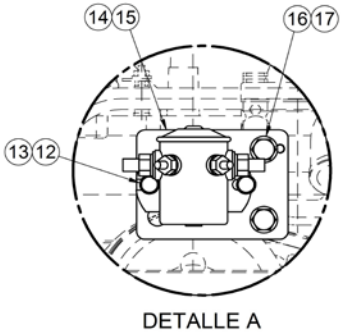


17117200			Kit Wire Earth Isolated 12V
FIG.	**REF.**	**QTY**	**DESCR.**
1	60900999	2	Connection M14X1,5 5/8" EXA.22 L=22
2	60900972	1	High Coolant, 2 PoleS
3	56000073	3	Washer 16-23-1,5
4	56000069	1	Washer 14-20-1,5
5	60900982	1	Temperature SENDER
6	17127007.3	1	BRACE Generator
7	17117012	2	Bushing
8	17117011	2	Bushing
9	17127002.6B	1	Bracket Alternator
10	60900978	1	SWITCH, Oil PRESS
11	17117052	1	Oil Pressure Sensor Adaptor
12	51030006	2	Washer DIN 125-6
13	52102154	2	Bolt DIN 933 M6-10 8.8
14	19017104	1	Relay 12 V. Bipolar
15	17117107	1	SUPORT RELAIS
16	51030008	2	Washer DIN 125-8
17	52102258	2	Bolt DIN 933 M8-25 8.8
18	52120006	1	Nut DIN 934 M6 8.8
19	14419023	1	Ball JOINT
20	15119015	1	CABLE Holder Ball
21	13019001	2	Clamp
NS	18525200	1	Stop SOLENOID (ETS)12V [NS]
NS	18525202	1	Spring Valve Pump [NS]
NS	54102103	1	Bolt DIN 933 M5-8 INOX. [NS]
NS	58088284	5	Clamp [NS]
NS	60900091	1	MICRO Relay 12V 12-20 [NS]
NS	60900153	1	Wire [NS]
NS	60900156	1	Wire [NS]
NS	60971202R.2	1	MINI-62 Electrical Wiring EARTH ISOLATED [NS]
NS	60975048	1	MASS BLACK TO Wiring START [NS]





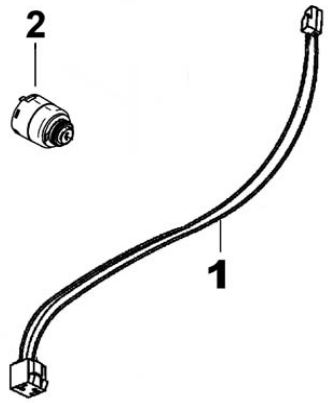




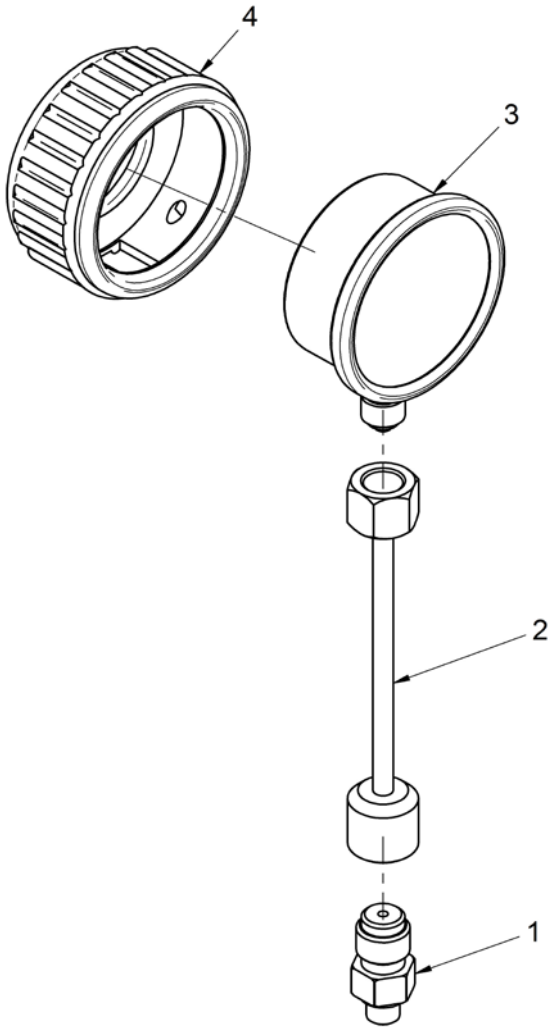
DETALLE A

[NS] Not shown

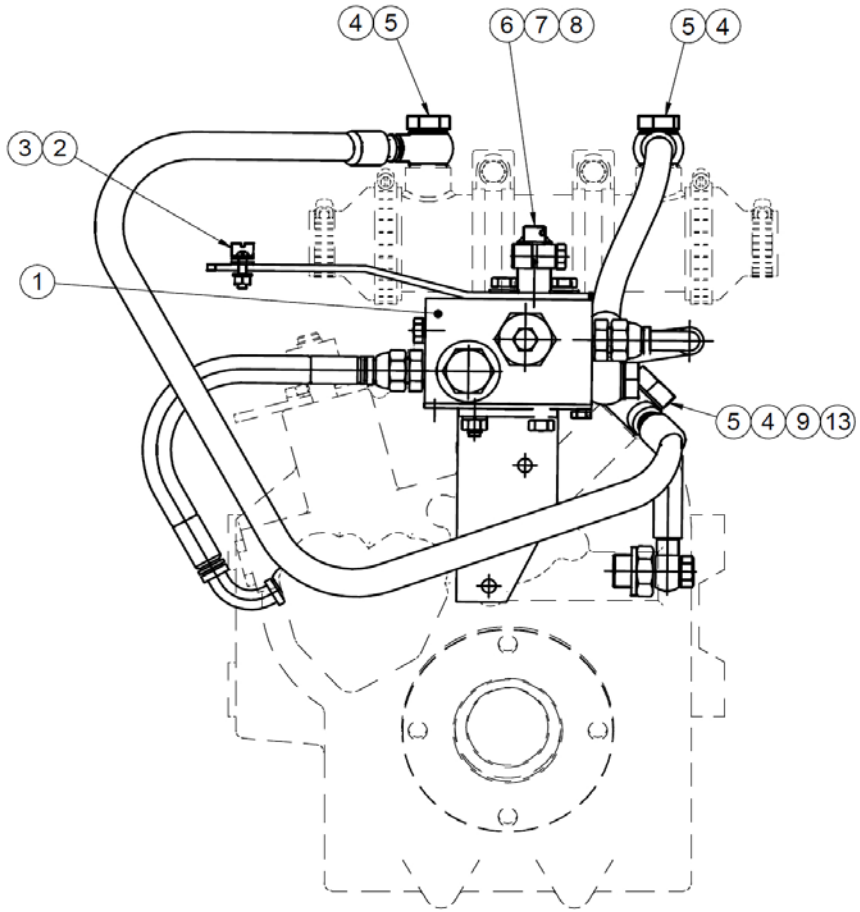
24813510			Kit Water Leak Sensor & Alarm SP60
FIG.	**REF.**	**QTY**	**DESCR.**
1	60938203	1	SPROP60 Water SYStem Alarm SYSTEM
2	24813504	1	Water Alarm Sensor



13812010			Pression Gauge Kit
FIG.	**REF.**	**QTY**	**DESCR.**
1	13812013.1	1	Pressure Tap
2	13812011	1	Hose
3	13812012	1	Presion Gauge
4	13812014	1	Protective Rubber

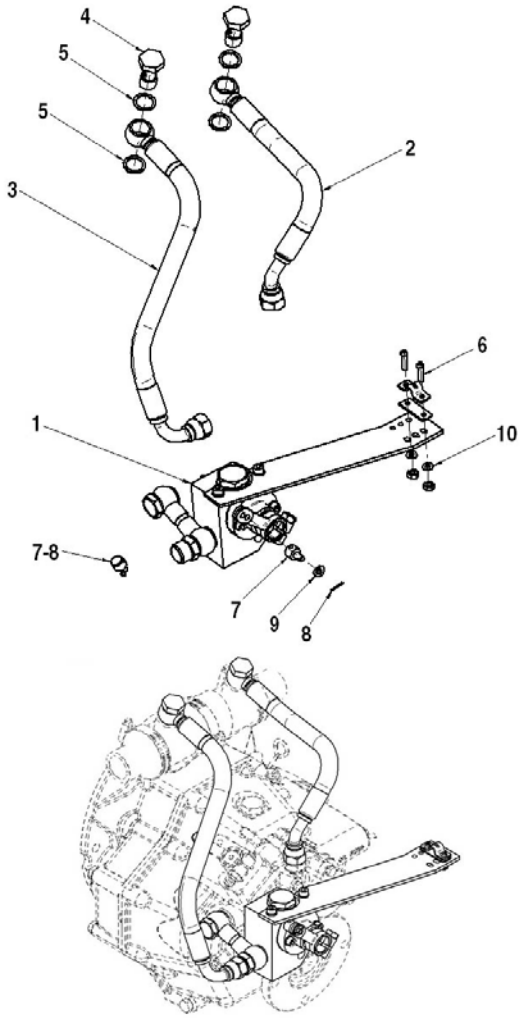


17012093			Kit Trolling Valve for TM-93
FIG.	**REF.**	**QTY**	**DESCR.**
NS	17112024	2	Pipe, rev.oil Cooler [NS]
1	24810050	1	Trolling Valve TM-93
2	24810913	1	Clamp,CABLE
3	51030005	2	Washer DIN 125-5
4	57000375	6	Washer 17-22-1,5
5	14712015	3	Bolt,Coupling pipe oil
6	14719115	2	Coupling,cable
7	51030006	4	Washer DIN 125-6
8	51051107	2	Pin DIN-94 1,6-16

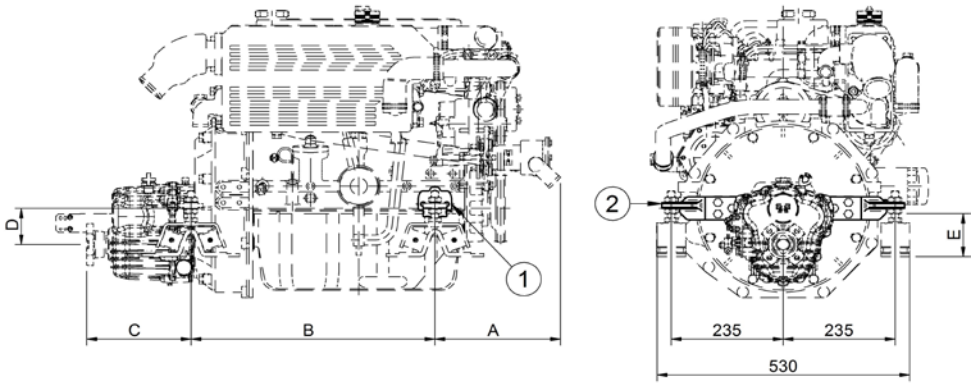


[NS] Not shown

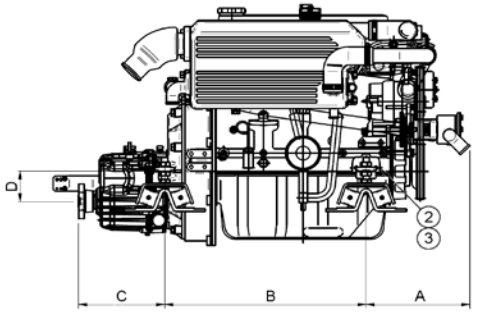
17012345			Kit Trolling Valve for TM-345/A
FIG.	**REF.**	**QTY**	**DESCR.**
1	24850050	1	Trolling Valve TM-345A
2	17012024	2	Pipe
4	14712015	2	Bolt,Coupling pipe oil
5	57000375	4	Washer 17-22-1,5
6	24810913	1	Clamp,CABLE
7	14719115	2	Coupling,cable
8	51051107	2	Pin DIN-94 1,6-16
9	51030006	1	Washer DIN 125-6
10	51030005	2	Washer DIN 125-5

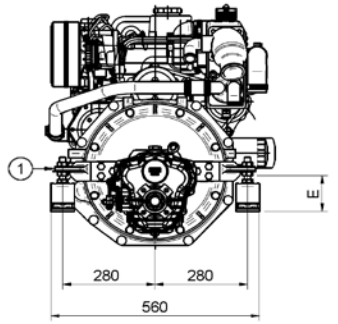


17110035			Motor Bracket Breadht 235
FIG.	**REF.**	**QTY**	**DESCR.**
1	17110002.3	2	Bracket, Front (Width 235)
2	17110003.1	2	Bracket, Rear (Width 235)

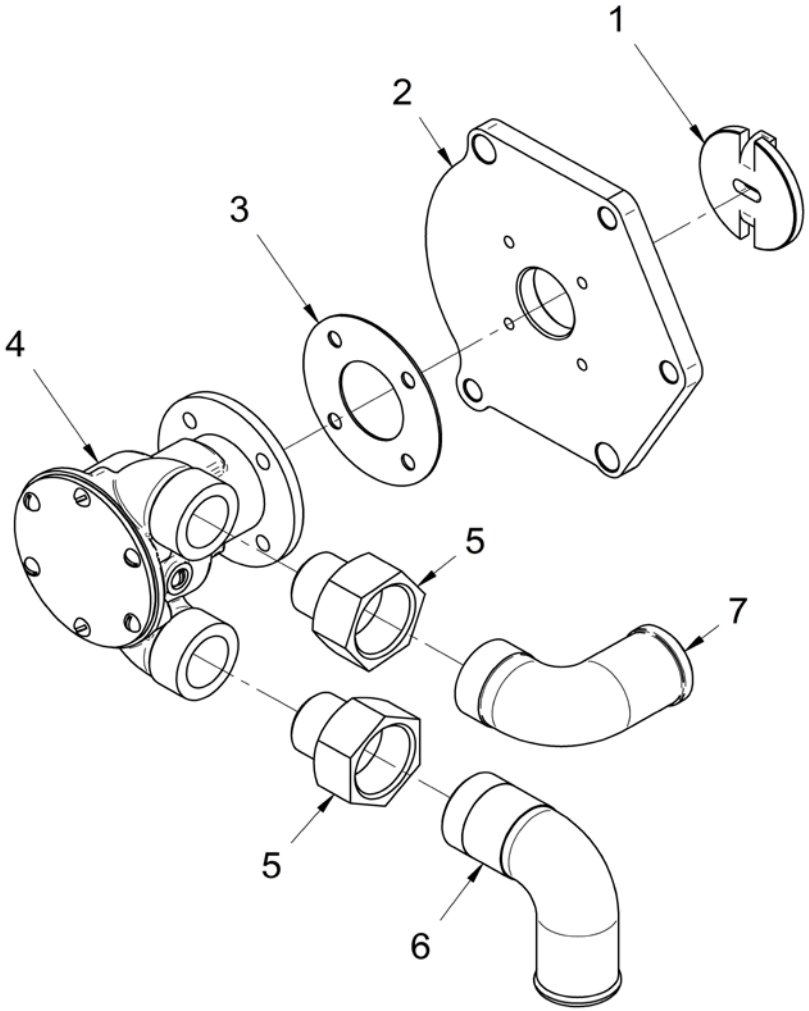


17110036			Bracket 235 Width
FIG.	**REF.**	**QTY**	**DESCR.**
1	17110002.4	2	Bracket
2	17110008.3	1	Bracket
3	17110009.3	1	Bracket

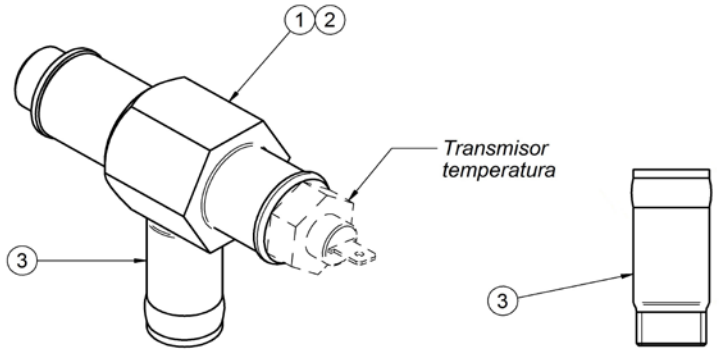




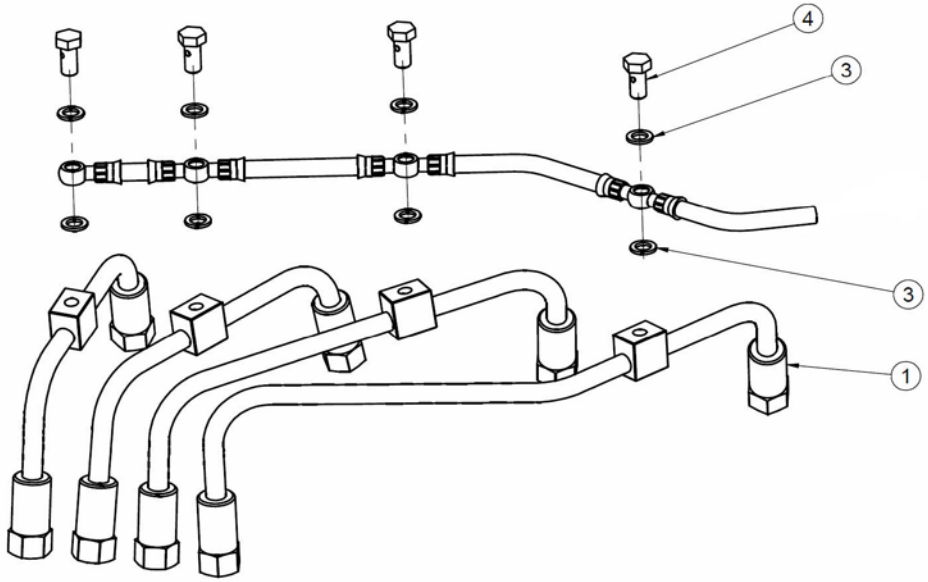
17111050			Kit Water Pump 3/4"
FIG.	**REF.**	**QTY**	**DESCR.**
1	15210072	1	SPIDER
2	17110010.1	1	Block 3/4", Water Pump
3	15210076	1	Gasket
4	35211000	1	3/4" Water Pump, Set
5	17111012	2	Coupling
6	14711022	1	Hose Nº 2
7	14711021	1	Hose Nº 1



17111156			Boiler Kit (S)
FIG.	**REF.**	**QTY**	**DESCR.**
1	13511050	1	NIPPLE,heater
2	56000073	1	Washer 16-23-1,5
3	17124053	2	Joint

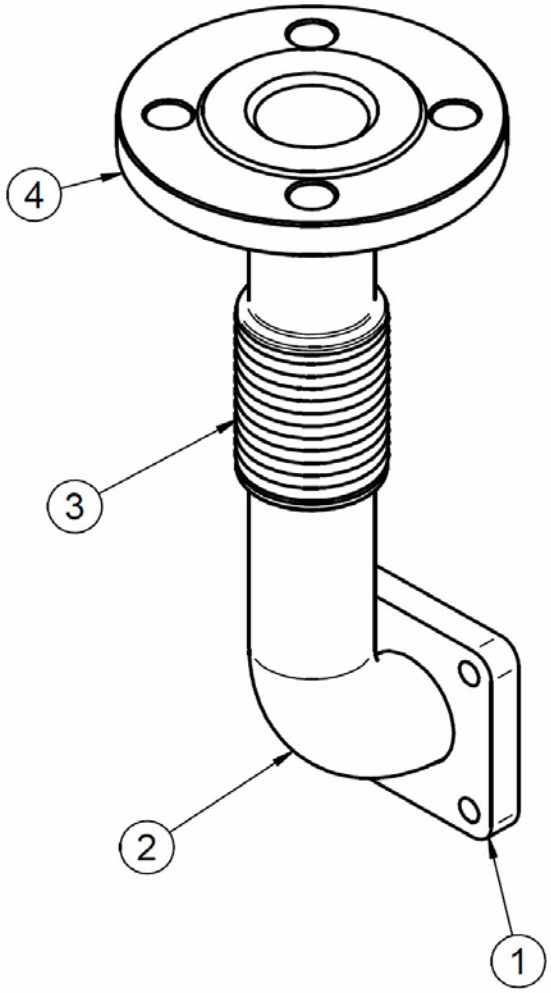


17124100R			Kit Injection Pipes 2nd Wall
FIG.	**REF.**	**QTY**	**DESCR.**
1	17124010R	1	Pipe Kit
3	56000057	8	Washer 8-13-1,5
4	13114007	4	Screw SHORT Connector
NS	17110020R	1	Spacer, Air Filter [NS]

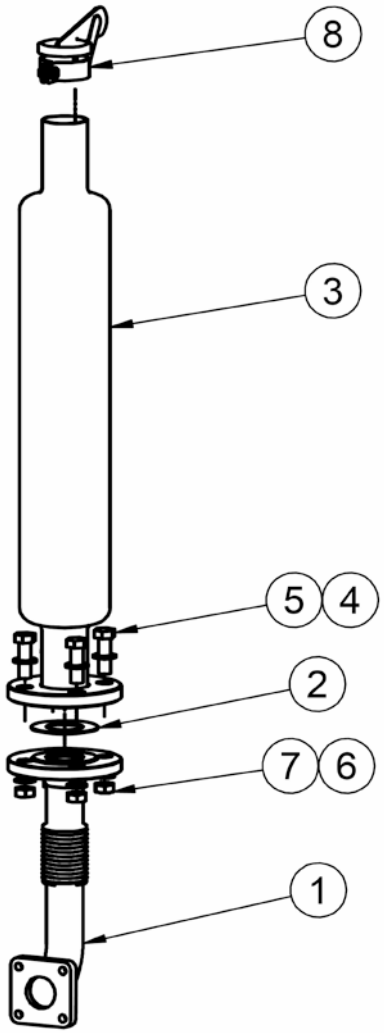


[NS] Not shown

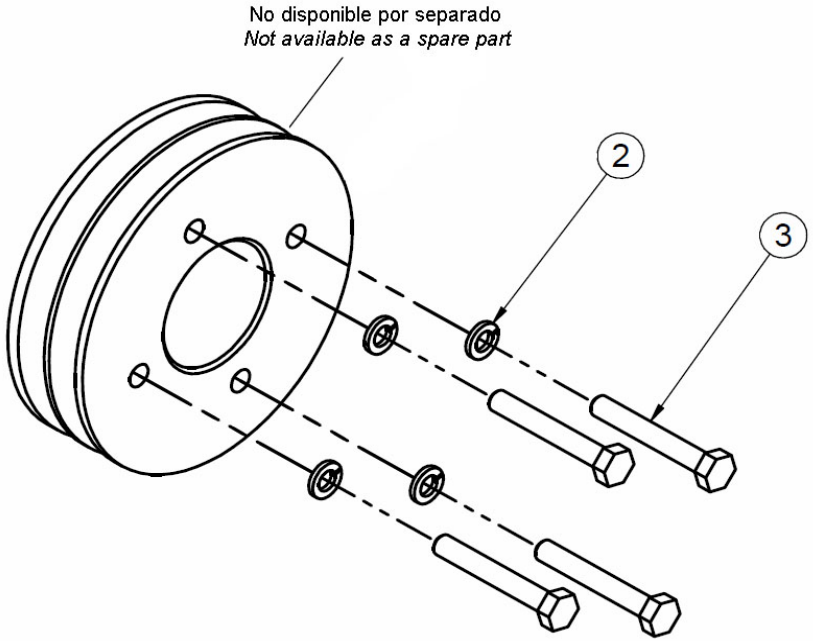
17113115			Kit Dry Exhaust With Flexible Pipe (S)
FIG.	**REF.**	**QTY**	**DESCR.**
1	17113021	1	Exhaust, Cover
2	51066040	1	KNEE 90 FIG. 6002/5 1 1/2"
3	17113020	1	Expansion, COMPENSATOR
4	51068040	1	Flange



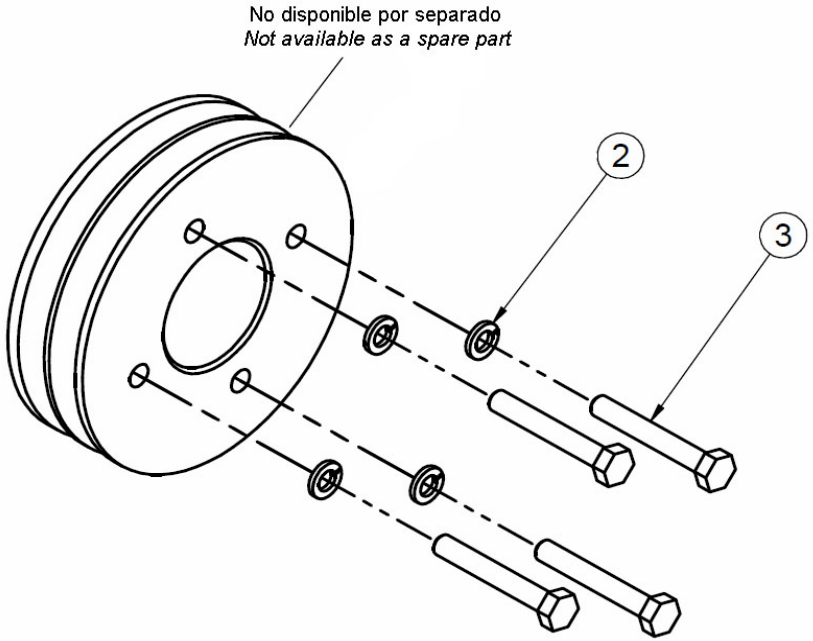
17113118			Kit Dry Exh. Flexible Pipe & Silencer(S)
FIG.	**REF.**	**QTY**	**DESCR.**
1	17113115	1	Kit Dry Exhaust With Flexible Pipe (S)
2	17113022	1	Gasket 88-50X2
3	17113018	1	Exhaust Muffler
4	51030016	4	Washer DIN 125-16
5	52101463	4	Bolt DIN 931 M16-50 8.8
6	53033016C	4	Washer
7	52120016	4	Nut DIN 934 M16 8.8
8	17113019	1	RAINCover



17110101			Pulley 2B (S)
FIG.	**REF.**	**QTY**	**DESCR.**
2	53033008	4	Washer GROWER DIN 127-8
3	52101265	4	Bolt DIN 931 M8-60 8.8

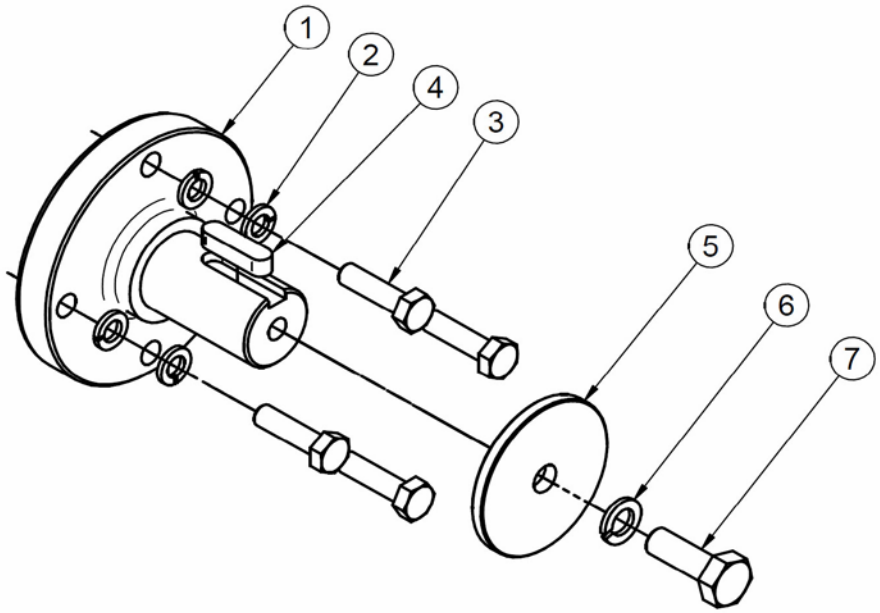


17110102			Pulley 2A (S)
FIG.	**REF.**	**QTY**	**DESCR.**
2	53033008	4	Washer GROWER DIN 127-8
3	52101264	4	Bolt DIN 931 M8-55 8.8



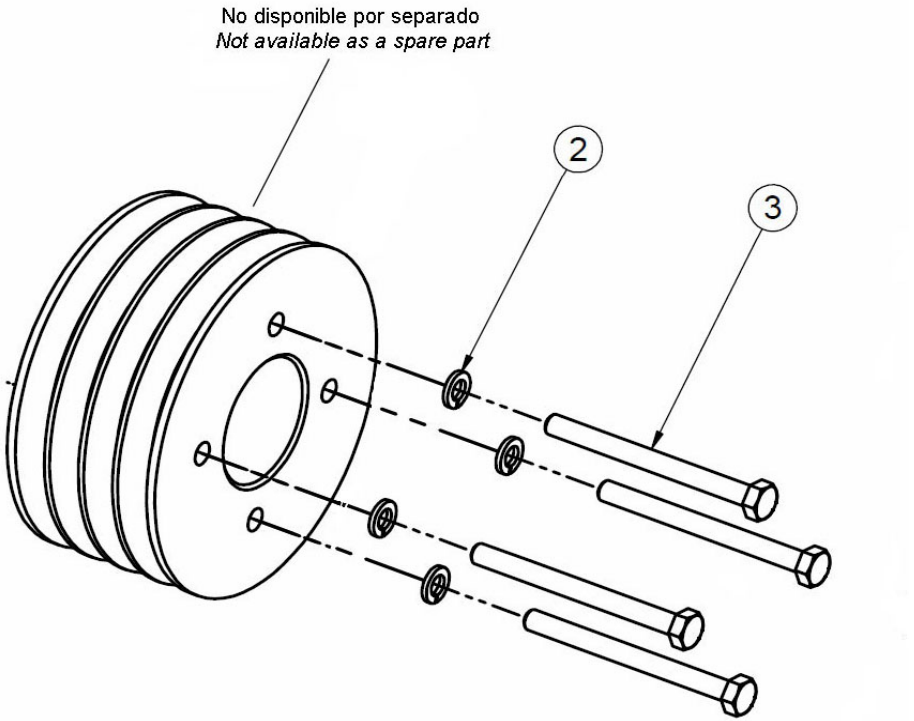
Front Power Take Off

17110105			Kit Power Take-off D30 (S)
FIG.	**REF.**	**QTY**	**DESCR.**
2	53033008	4	Washer GROWER DIN 127-8
3	52101259	4	Bolt DIN 931 M8-30 8.8
4	17410131	1	KEY DIN 6885A 8-7-30
5	60500064	1	BUTT Washer
6	53033010	1	Washer GROWER DIN 127-10
7	52102309	1	Bolt DIN 933 M10-30 8.8



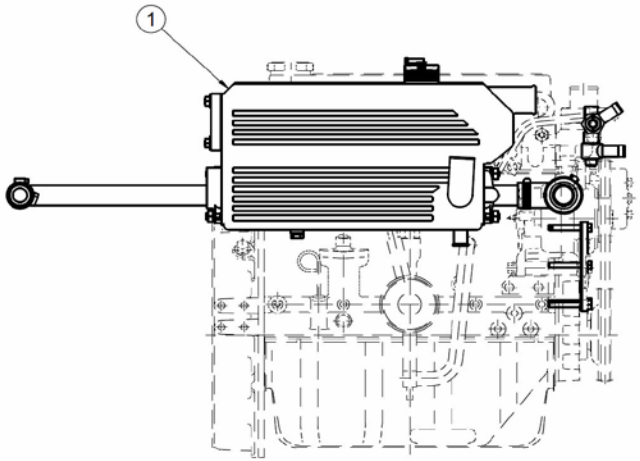
Front Power Take Off

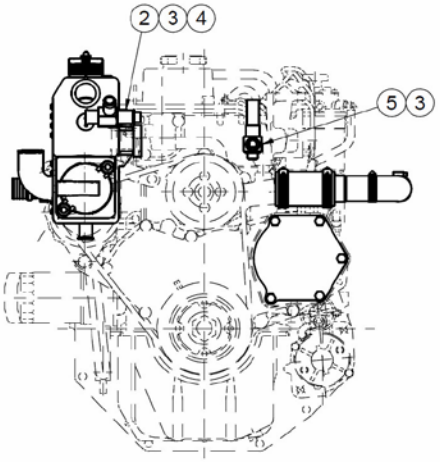
17410102			Pulley 4A D138 (S)
FIG.	**REF.**	**QTY**	**DESCR.**
2	53033008	4	Washer GROWER DIN 127-8
3	52101270	4	Bolt DIN 931 M8-85 8.8



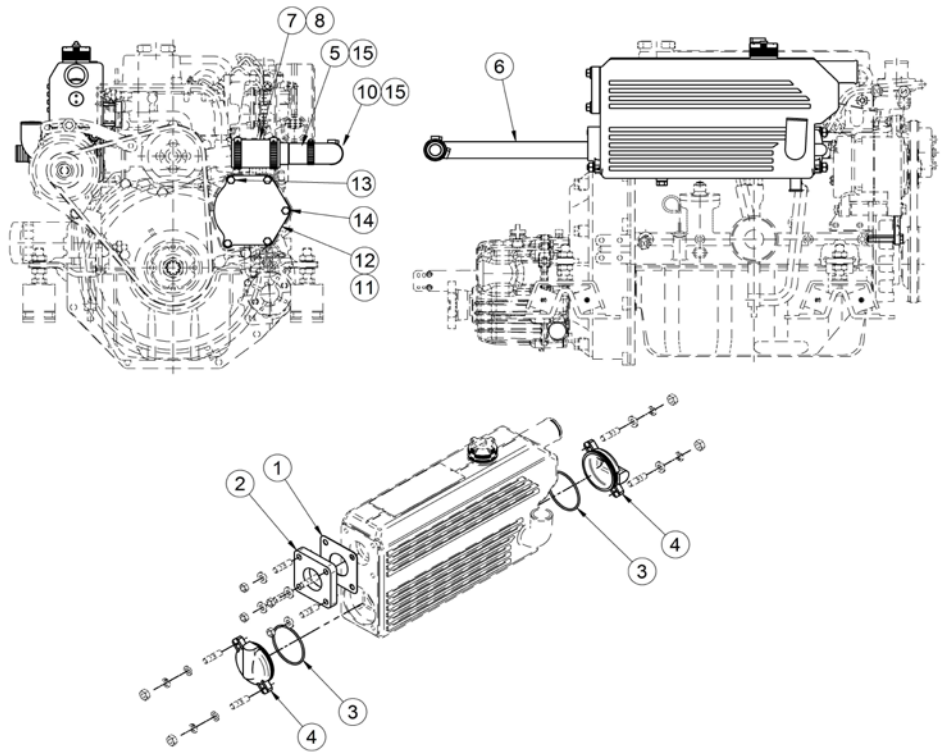
Kit Keel Cooling

17111159			Boiler Kit + Keel Cooling
FIG.	**REF.**	**QTY**	**DESCR.**
1	17111200.1	1	Kit Refroid. Quille et Esc. Sec (S)
2	13511050	1	NIPPLE,heater
3	17124053	2	Joint
4	56000073	2	Washer 16-23-1,5
5	16511042	1	NIPPLE,heater

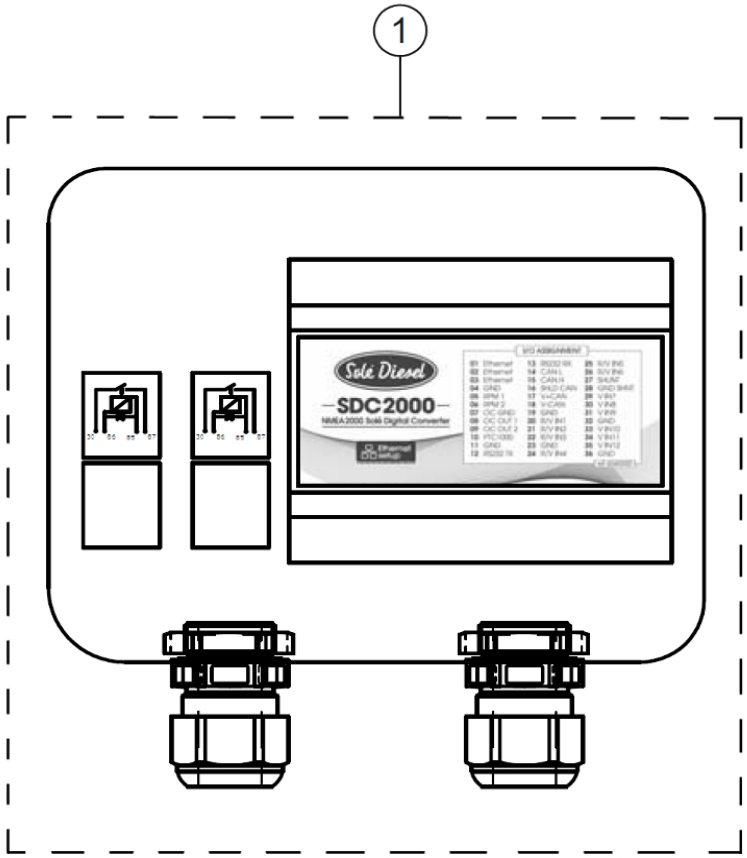
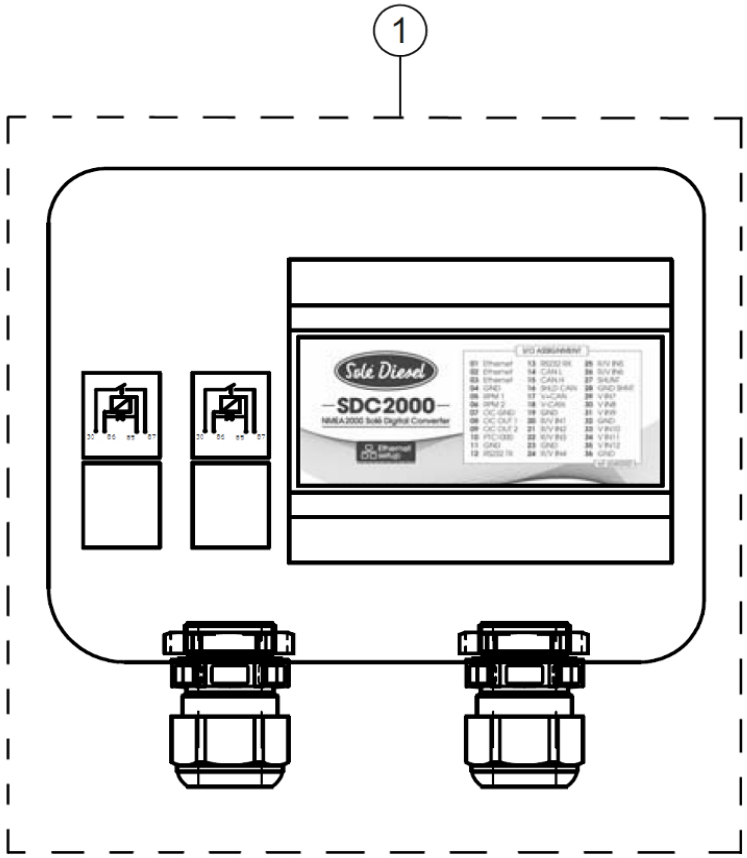




17111200.1			Kit Refroid. Quille et Esc. Sec (S)
FIG.	**REF.**	**QTY**	**DESCR.**
1	17113016	1	Gasket
2	17113017	1	Exhaust Flange (S)
3	18011008	2	O-Ring D. 72X3
4	18011102	2	Cover,Water Cooler
5	17511015	1	Pipe
6	17411011	1	Pipe
7	19411045	1	Pipe 42-54-90
8	54082040	4	Clamp DIN 3017 40-60/12 W4
10	17111037	1	Pipe
11	17120042	1	Gasket,cover
12	17120045	1	Cover
13	17120047	1	Bolt, w/washer
14	17120046	4	Bolt, w/washer
15	54082032	1	Clamp DIN 3017 32-50/12 W4



61471100			Kit SDC 2000 MINI-62 12V
FIG.	**REF.**	**QTY**	**DESCR.**
1	61400100	1	Kit SDC 2000 12V



61471200			Kit SDC 2000 MINI-62 24V
FIG.	**REF.**	**QTY**	**DESCR.**
1	61400200	1	Kit SDC 2000 24V