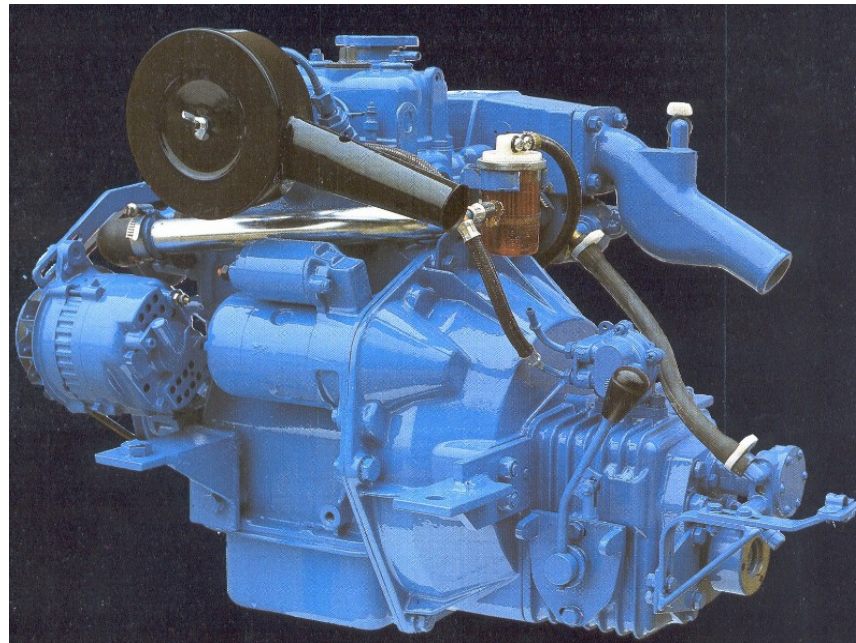




Engine MINI-10

VERSION 2015-7

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 addressed 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

Download the latest version of this manual [HERE](#)

Contents



Cylinder Head
Oil Pan & Gear Case
Timing Parts
Crankcase
Oil System
Engine Brackets & Inlet
Bracket, Engine Control

Water Pump
Cooling System 1
Cooling System 2

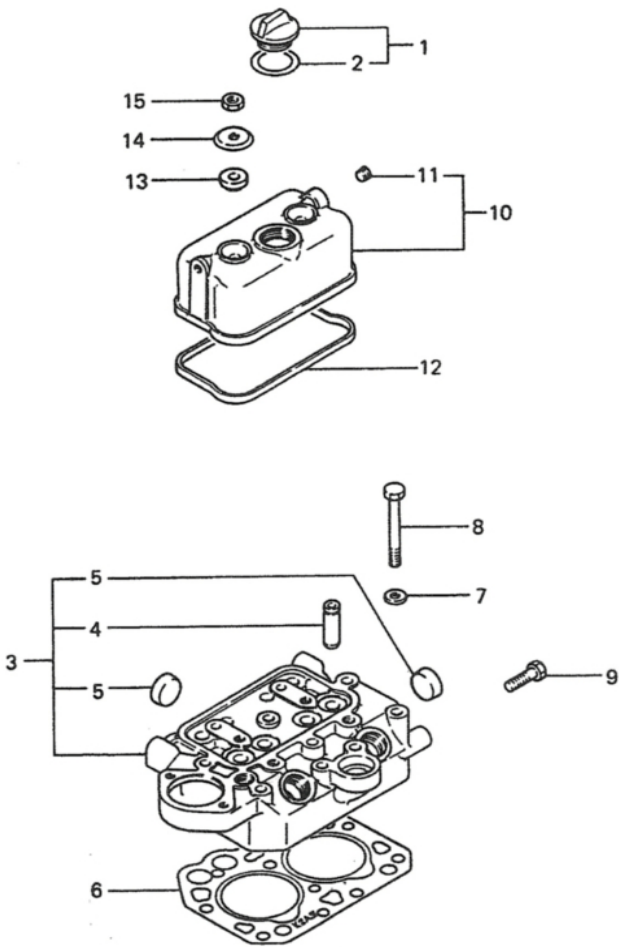
Fuel Pipe
Fuel Injection Pump
Nozzle
Governor Parts

Electrical System 1
Electrical System 2
Spare Parts Alternator
Spare Parts Starter

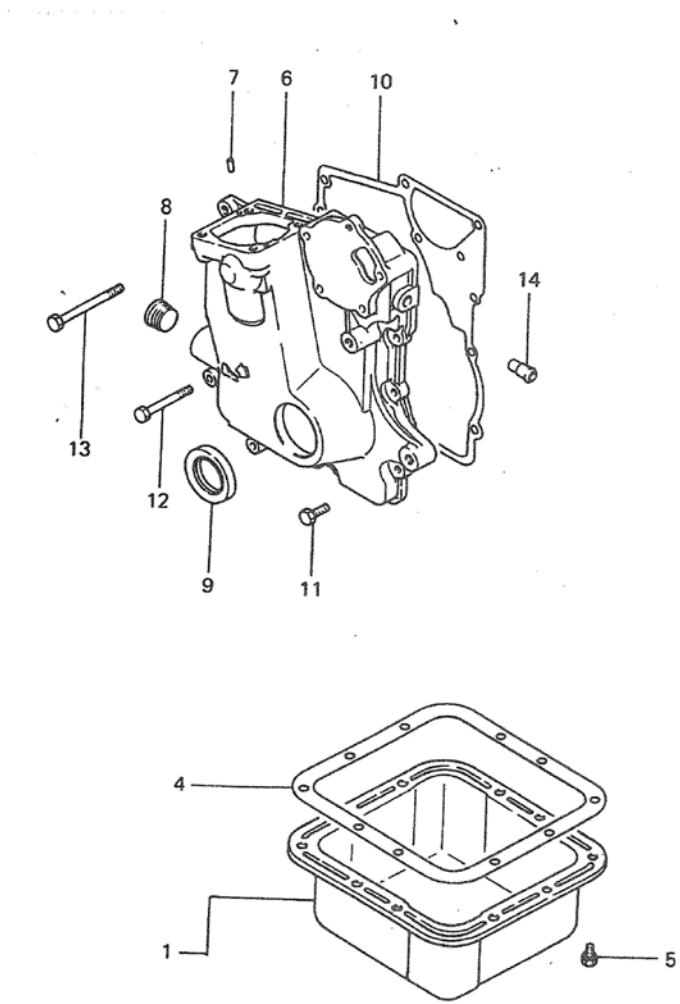
Gasket Kit

GearBox RONIM III R.2,00
GearBox RONIM III R.3,00

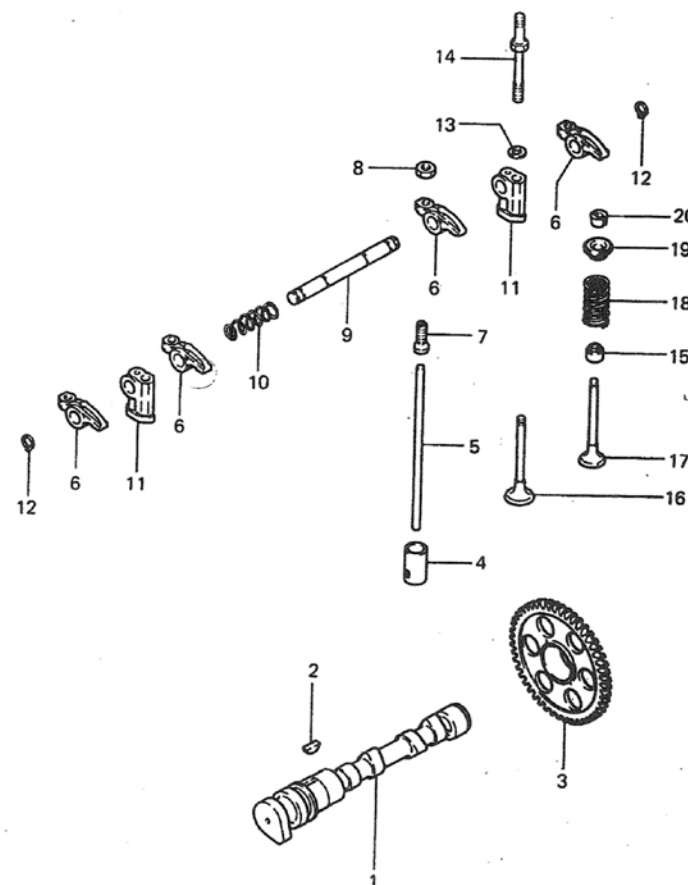
D_MI09_1_1			Cylinder Head
FIG.	REF.	QTY	DESCR.
1	13521003	1	Cap Oil FILLER
2	13721007	1	O-Ring D. 30X3
3	13721001	1	Head Assy CYLINDE
4	13721002	4	Guide Valve
5	13220012	2	Cap Sealing
6	13721004	1	Gasket Cylinder H
7	13721005	10	Washer Head Bolt
8	52101268	10	Bolt DIN 931 M8-75 8.8
10	13721009	1	Cover Assy Rocker
11	13721017	1	Plug TAPER(NPTF-1
12	13721010	1	Gasket Rocker COV
13	13221016	2	Seal
14	13221015	2	Washer
15	52120008	2	Nut DIN 934 M8 8.8



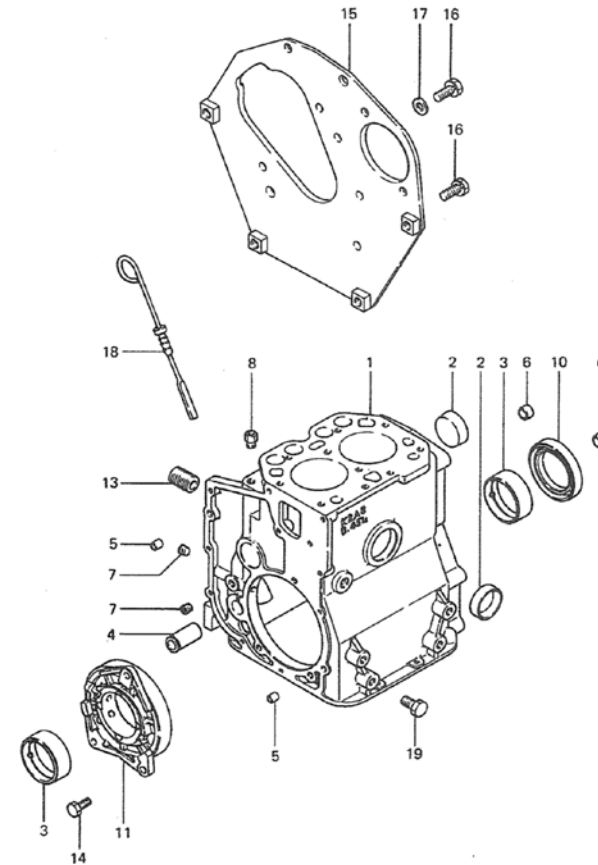
D_MI09_1_2			Oil Pan & Gear Case
FIG.	REF.	QTY	DESCR.
1-3	13720030	1	PAN Assy Oil
4	13720033	1	Gasket OilPAN
5	52102155	10	Bolt DIN 933 M6-12 8.8
6	13720035	1	Case Gear
7	13120036	2	Pin Dowel
8	13120037	1	Plug TAPER 1/2
9	13220039	1	Seal Oil
10	13720040	1	Gasket GearCase
11	52102157	4	Bolt DIN 933 M6-20 8.8
12	52102164	4	Bolt DIN 933 M6-55 8.8
13	13720041	1	Bolt
14	13221017	1	Pipe



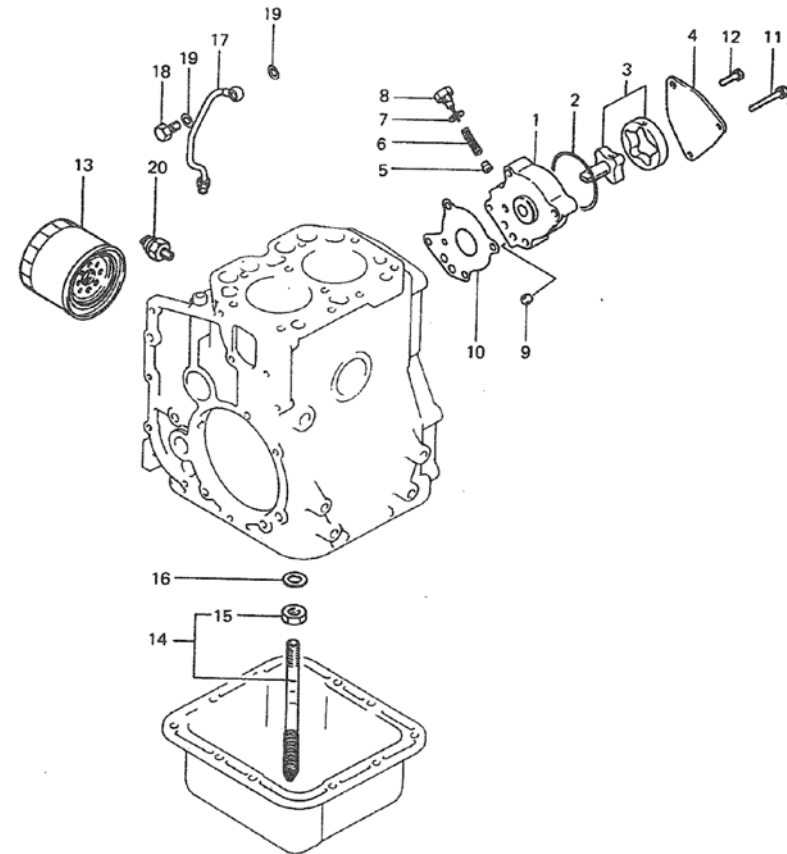
D_MI09_1_4			Timing Parts
FIG.	REF.	QTY	DESCR.
1	13722035	1	CamShaft
2	13122036	1	KEY
3	13722037	1	Gear CamShaft
4	13722040	4	Tappet
5	13722041	4	ROD PUSH
6	13722042	4	ARM Rocker
7	13722044	4	Screw Adjusting
8	13722045	4	Nut
9	13722046	1	Shaft Rocker
10	13722047	1	Spring Rocker SHAFT
11	13722048	2	STAY Rocker
12	53040012	2	CIRClip DIN 471 E-12
13	51030008	2	Washer DIN 125-8
14	13722053	2	Bolt Rocker STAY
15	13222054	4	Seal Valve Stem
16	13722055	2	Intake Valve
17	13722056	2	Exhaust Valve
18	13722057	4	Spring Valve
19	13822058	4	Retainer Valve SP
20	13222059	8	Lock Valve



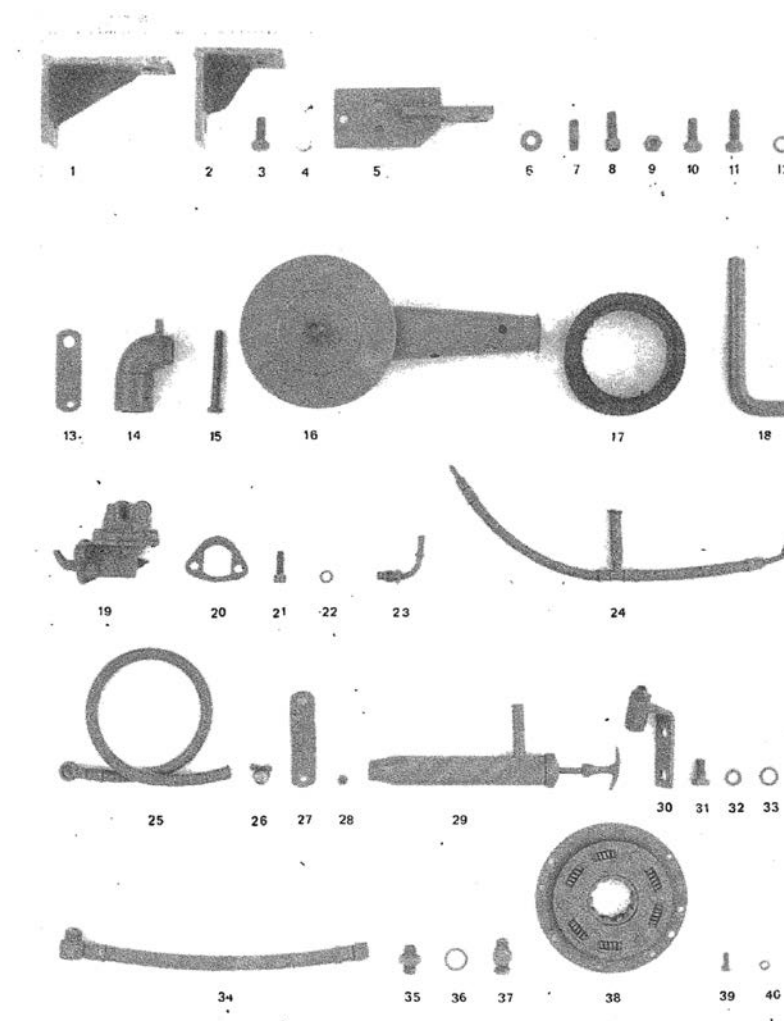
D_MI09_1_6			Cranckcase
FIG.	REF.	QTY	DESCR.
1-3	13720001	1	Block SUB Assy CY
2	13520013	2	Cap,Sealing
3A	13720003	1	METAL
3B	13720005	2	Bearing CRANK SHA
3C	13720006	2	Bearing CRANK SHA
3D	13720004	2	Bearing CRANK SHA
4	13720008	1	Shaft GOVERNOR GE
5	13720009	2	Bushing (6X9)
6	13520010	2	KNOCK
7	13120011	2	Plug TAPER 1/8
8	13120014	1	Connector
10	13720019	1	Seal Oil
11	13720020	1	Housing Bearing
12	13720003	1	METAL
13	13124047	1	Shaft Oil Filter
14	52102257	3	Bolt DIN 933 M8-20 8.8
15	13720024	1	Plate REAR
16	52202308	6	Bolt DIN 933 M10-1,25-25 8.8
17	51030010	1	Washer DIN 125-10
18	13720029	1	Gauge Oil LEVEL



D_MI09_1_10			Oil System
FIG.	REF.	QTY	DESCR.
1	13724046	1	Body Assy Oil PUM
1-9	13724040	1	Pump Assy Oil
3	13724042	1	Rotor
4	13724061	1	Cover Oil Pump
5	13724046	1	Body Assy Oil PUM
6	13724044	1	Spring RELIEF
7	13124046	1	Gasket
8	13724045	1	Valve Plug
9	13120011	2	Plug TAPER 1/8
10	13724041	1	Gasket Oil Pump B
11	13724050	3	Bolt
12	52102157	1	Bolt DIN 933 M6-20 8.8
13	13124051	1	Filter Assy,Oil
14	13724052	1	SCREEN Assy Oil
15	13124053	1	Nut
16	13124001	1	Washer
17	13724057	1	Pipe Assy Oil
18	13124058	1	Bolt EYE
19	13124059	2	Gasket
20	13124060	1	Switch

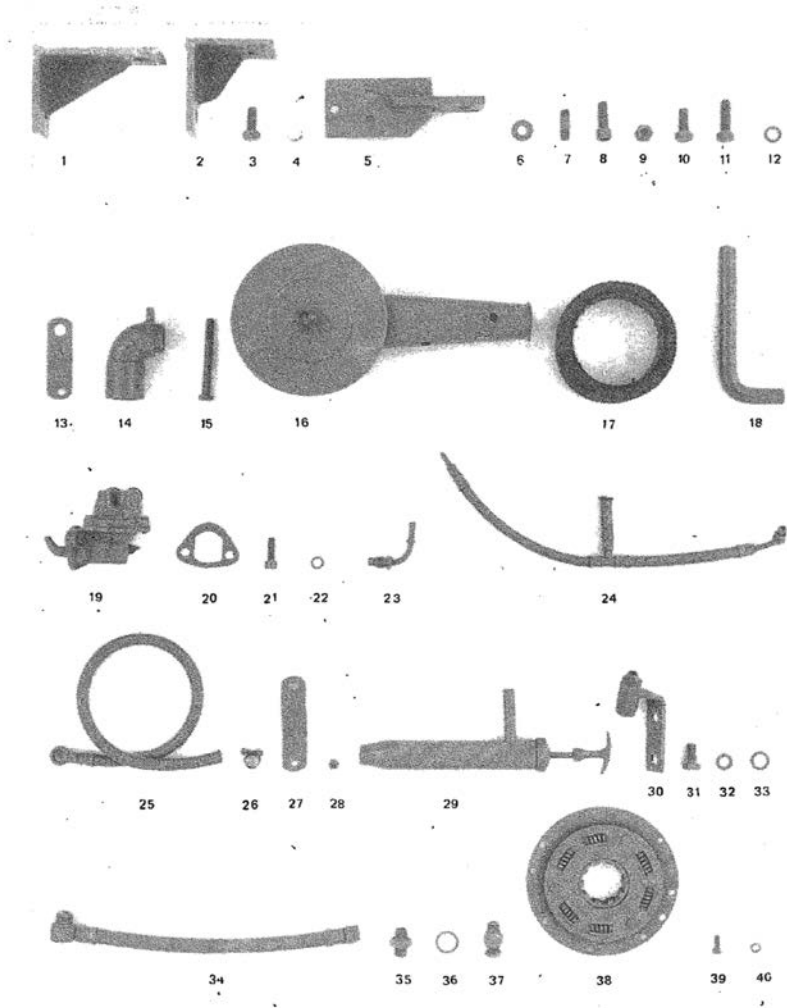


D_MI09_1_12		Engine Brackets & Inlet	
FIG.	REF.	QTY	DESCR.
1	13710002	1	Bracket Front,right [NP]
2	13710003	1	Bracket Front,left [NP]
4	53033010	4	Washer GROWER DIN 127-10
5	13110010	2	Support REAR
6	52030010	6	Washer DIN 125
7	13710009	2	Stud,bracket rear
8	52103309	4	Bolt DIN 912 M10-30 8.8
9	51123010	6	Nut DIN 985 M10 5.6
10	52202308	5	Bolt DIN 933 M10-1,25-25 8.8
11	52202310	1	Bolt DIN 933 M10-1,25-35 8.8
12	53038010	6	Washer DIN 6798-A 10
13	13710013	1	Bracket,transport rear
14	13710011	1	Inlet,manifold
15	52101269	1	Bolt DIN 931 M8-80 8.8
16	17610012	1	Air Filter Assy
17	17010030	1	Air Filter Assy
18	13111037	1	Elbow Rubber
19	13114001	1	Pump Fuel Supply
20	13114002	2	Gasket
21	52103258	2	Bolt DIN 912 M8-25 8.8
22	53038008	2	Washer DIN 6798-A 8
23	13114003	1	Pipe Inlet
24	13714007	1	Pipe,fuel pump to cooler [NP]
25	13714008	1	Pipe,fuel filter to pump [NP]
26	51080012	2	Clamp 12-13
27	17610012	1	Air Filter Assy
28	52120006	1	Nut DIN 934 M6 8.8
29	14713000	1	Manifold,Exhaust Assy 4108
30	13714002	1	Bracket,oil pump [NP]
31	52202307	2	Bolt DIN 933 M10-1,25-20 8.8
32	53033010	2	Washer GROWER DIN 127-10
33	56000067	3	Washer 13-20-1,5
34	13214021	1	ExtraCTION Hose
35	13214024	1	NIPPLE,oil pump bracket
36	56000077	2	Washer 18-23-1,5

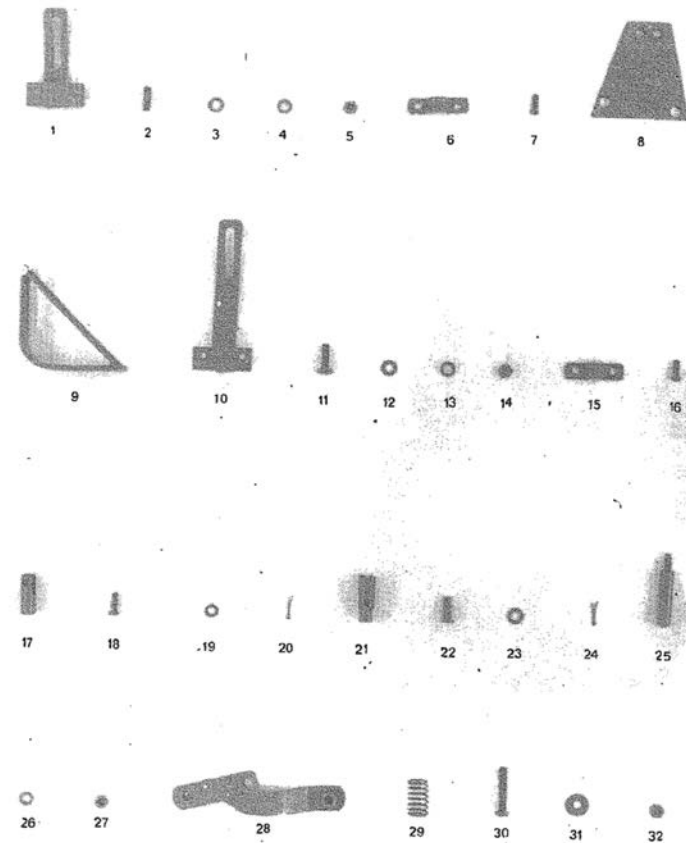


[NP] Not provided

D_MI09_1_12			Engine Brackets & Inlet
FIG.	REF.	QTY	DESCR.
37	17120021	1	Plug,taper
38	13710010	1	Flexible Coupling Type A D. 155
39	52102156	8	Bolt DIN 933 M6-16 8.8
40	53033006	8	Washer GROWER DIN 127-6



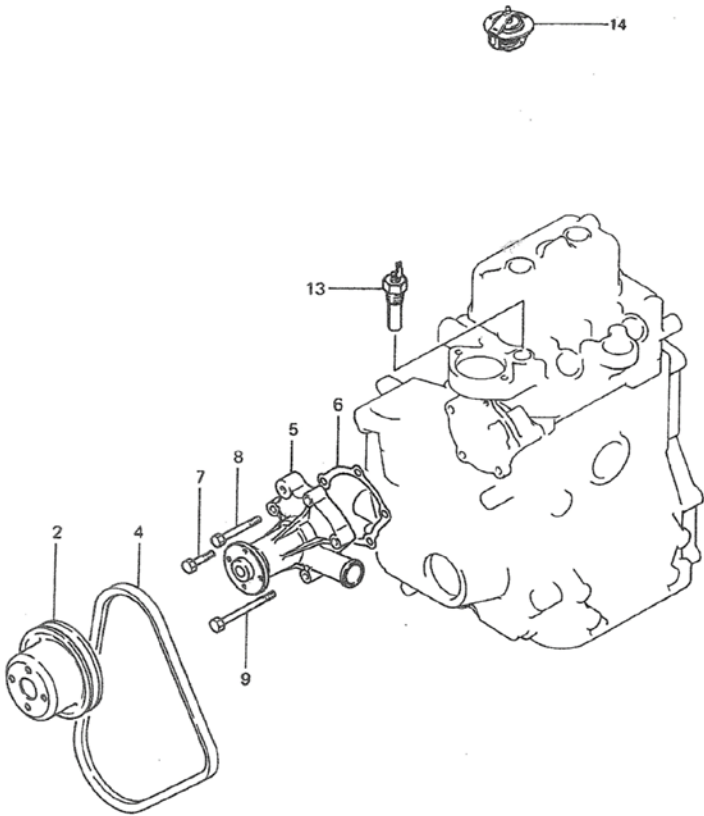
D_MI09_1_13			Bracket, Engine Control
FIG.	REF.	QTY	DESCR.
1	13719004	1	Bracket,engine control [NP]
2	13517003	2	Stud,bracket selenoid
3	51030006	2	Washer DIN 125-6
4	53033006	2	Washer GROWER DIN 127-6
5	14719013	2	Clamp,cable
6	55307105	1	Bolt DIN 86 W3/16-13
7	55307105	2	Bolt DIN 86 W3/16-13
8	13119015	1	Bracket Morse REVERSE Gear
9	12119020	1	Bracket,Gear box control
10	12119021	1	SUPPORT Clamp
11	52102157	4	Bolt DIN 933 M6-20 8.8
12	51030006	4	Washer DIN 125-6
13	53033006	4	Washer GROWER DIN 127-6
14	52120006	4	Nut DIN 934 M6 8.8
15	14719013	1	Clamp,cable
16	55307105	2	Bolt DIN 86 W3/16-13
17	14719026	1	SPLIT,piece reverser morse
18	14719027	1	Pin
19	51030005	2	Washer DIN 125-5
20	51051107	1	Pin DIN-94 1,6-16
21	13119003	1	SPLIT PIECE
22	14719034	1	Pin
24	51051107	1	Pin DIN-94 1,6-16
25	13117006	1	ROD Control
26	53033006	1	Washer GROWER DIN 127-6
27	52120006	1	Nut DIN 934 M6 8.8
28	13719006	1	Bracket,low speed [NP]
29	13119005	1	Spring Control
30	51102160	1	Bolt DIN 933 M6-35 5.6
31	51031006	1	Washer DIN 9021 6
32	52120006	2	Nut DIN 934 M6 8.8



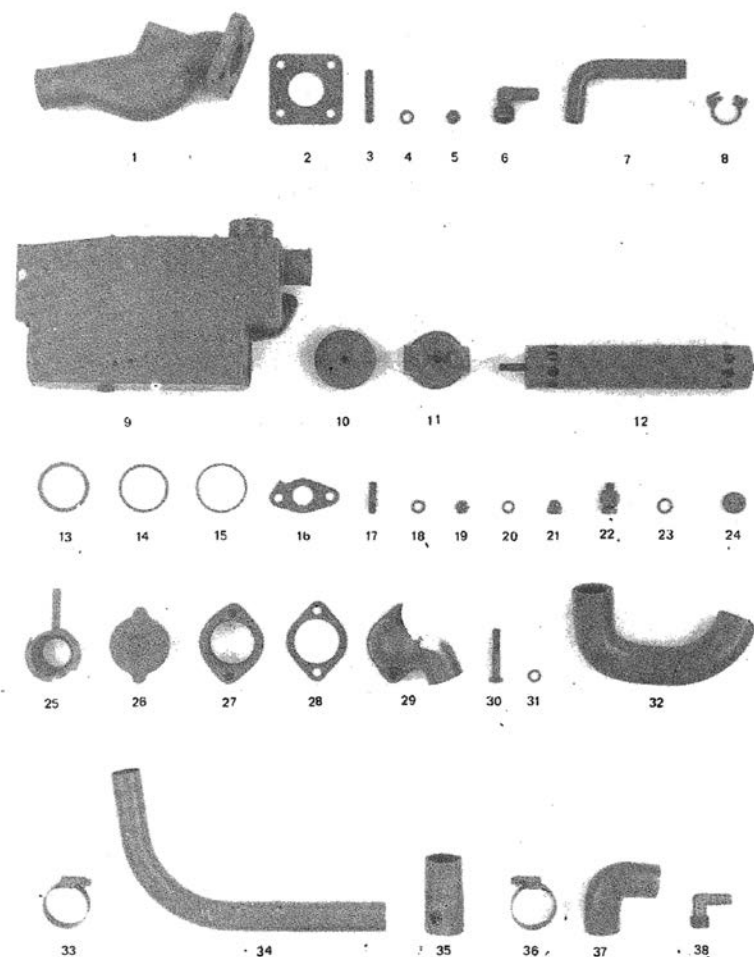
[NP] Not provided



D_MI09_3_1			Water Pump
FIG.	REF.	QTY	DESCR.
2	13221021	1	Pulley Water Pump
3	52102155	4	Bolt DIN 933 M6-12 8.8
4	13717013	1	Belt Type Z 31 790
5	13721020	1	Pump Assy Water
6	13721022	1	Gasket Water Pump
8	52101166	3	Bolt DIN 931 M6-65 8.8
9	52101169	1	Bolt DIN 931 M6-80 8.8
13	13127080	1	SWITCH THERMO
14	13221027	1	Thermostat (71°)

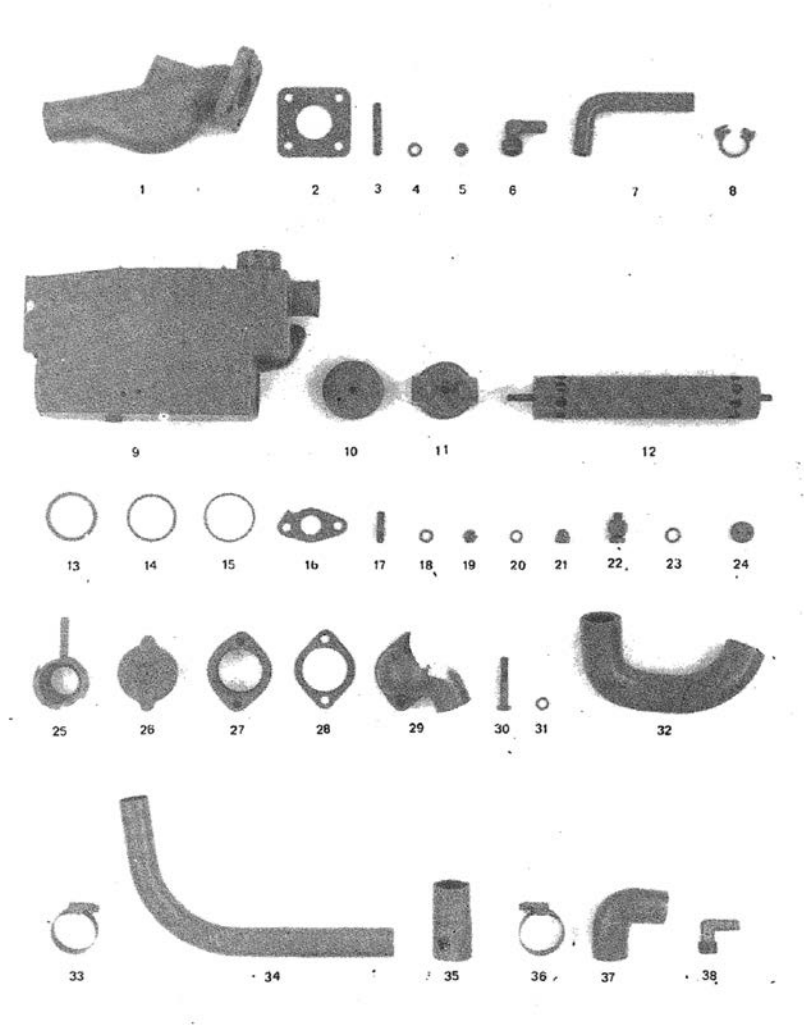


D_MI09_3_2			Cooling System 1
FIG.	REF.	QTY	DESCR.
1	13111023	1	Elbow, Wet Exhaust
2	15113043	1	Exhaust Elbow Gasket
3	13311006	4	Stud,cover
4	53033008	4	Washer GROWER DIN 127-8
5	54120008	4	Nut DIN 934 M8
6	12811056	1	Elbow,water outlet [NP]
7	13111037	1	Elbow Rubber
9	13711001	1	Water Cooler
10	13511002	1	Cap Front,cooler
11	13511003	1	Cap REAR,cooler
12	13711004	1	Pipe,cooler
13	13511008	1	O-Ring D. 45X4,5
15	25210417	1	O-Ring D. 47X2,5
16	13721035	2	Gasket Exhaust MA
17	13711009	4	Stud
18	53033008	4	Washer GROWER DIN 127-8
19	54120008	4	Nut DIN 934 M8
20	56000057	4	Washer 8-13-1,5
21	55122008	2	Nut DIN 1587 M8
22	52102306	1	Bolt DIN 933 M10-15 8.8
23	56000062	1	Washer 10,5-16,5-1,5
24	17611010	1	Plug
25	15111002	1	Cap Mouth
26	14711003	1	Cap
27	13711020	1	FITTING,thermostat
28	13211054	2	Engine Water OutLER Gasket
29	13511021	1	Fitting, Water Outlet
30	52101263	2	Bolt DIN 931 M8-50 8.8
31	53038008	2	Washer DIN 6798-A 8
32	15211027	1	Elbow,engine water exhaust
33	54082025	2	Clamp DIN 3017 25-40/12 W4
34	13711025	1	Pipe,water pump to cooler
35	13811017	1	Pipe 28-38-80
36	54082025	4	Clamp DIN 3017 25-40/12 W4
37	13711026	1	Elbow,water pump inlet

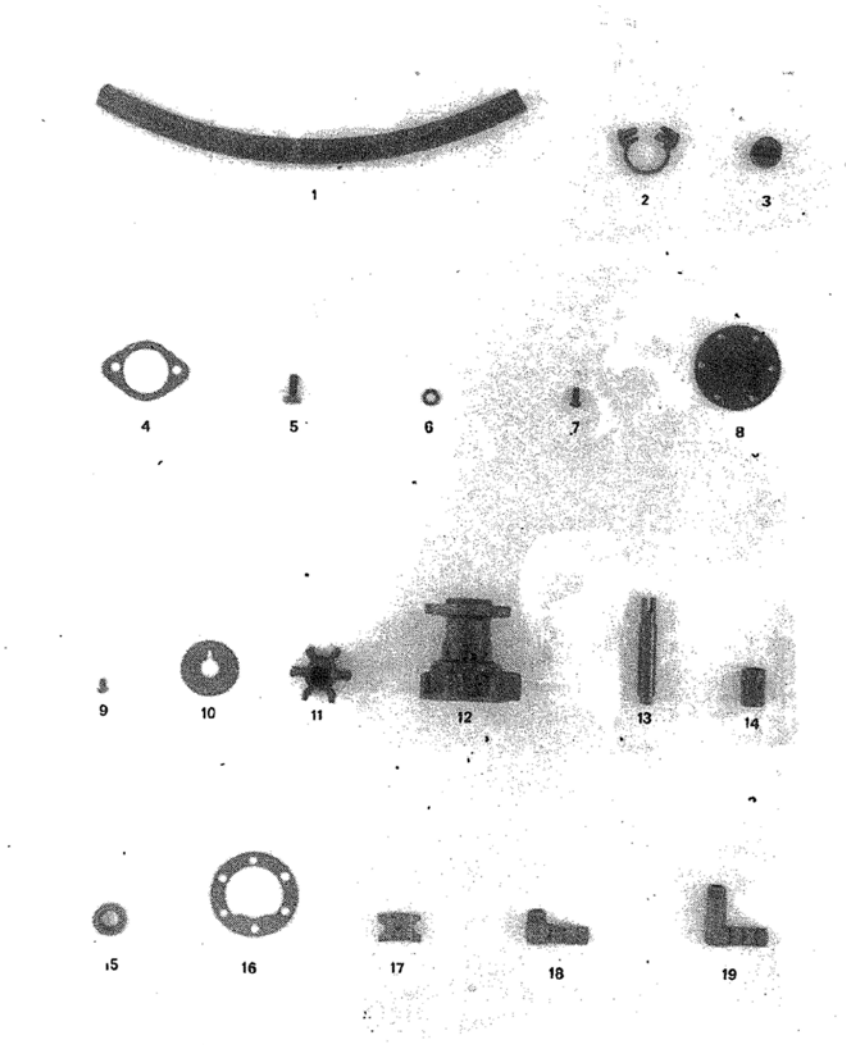


[NP] Not provided

D_MI09_3_2			Cooling System 1
FIG.	REF.	QTY	DESCR.
38	12811056	2	Elbow,water outlet [NP]



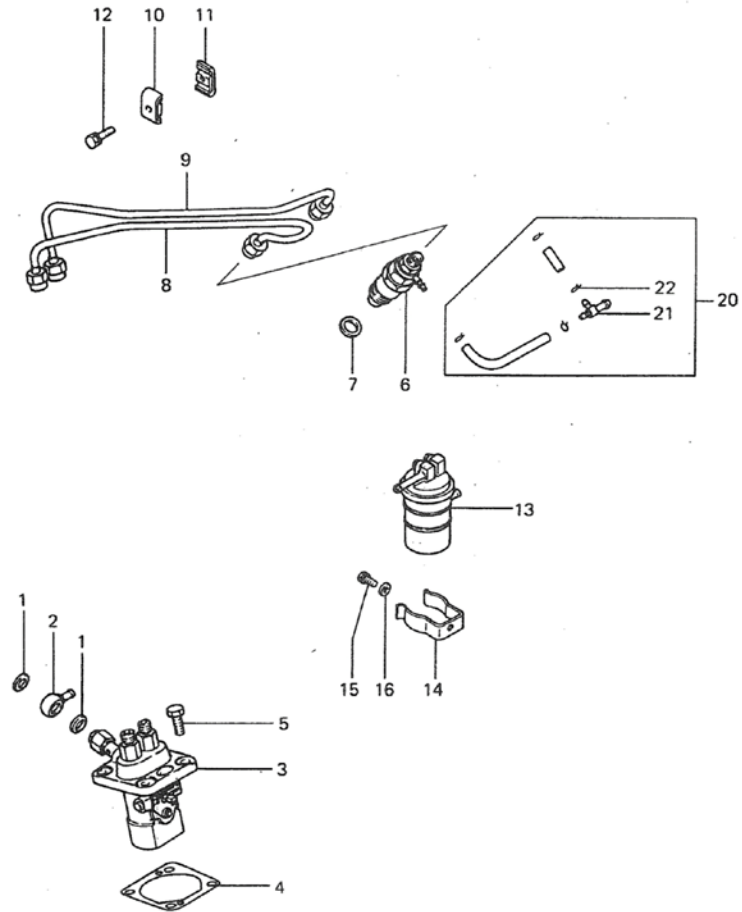
D_MI09_3_3			Cooling System 2
FIG.	REF.	QTY	DESCR.
1	13111030	1	Pipe 12-21-470
3	12111026	1	Drive,water pump
4	32111023	1	Gasket
5	52102156	2	Bolt DIN 933 M6-16 8.8
6	57000353	2	Washer 6,2-11-1,5
7	55307104	6	Bolt DIN 86 W3/16-10
8	32111002	1	Cover Pump
9	55307102	1	Bolt DIN 86 W3/16-7
10	32111026	1	DISCK Seal HOLDING
11	32111008	1	1/4" Impeller
12	32111001	1	Body Pump
13	32111010	1	Shaft Pump
14	31211016	1	SELFOil D. 12X16X25
15	32111020	2	Seal Shaft 12-22-7
16	32111003	1	Gasket,cover
17	32111005	1	Cam
18	12111078	1	Elbow,water inlet
19	12111082	1	Water Outlet Elbow
NS	32111000	1	1/4" Water Pump "J" Set [NS]



[NS] Not shown



D_MI09_4_1			Fuel Pipe
FIG.	REF.	QTY	DESCR.
1	13124001	2	Washer
2	13124002	1	COLLAR,union
3	13725001	1	Pump Assy,Fuel Injection
4A	13124003	0	Shim Adjusting [VAR]
4B	13124004	0	Shim Adjusting [VAR]
4C	13124005	0	Shim Adjusting [VAR]
4D	13124006	0	Shim Adjusting [VAR]
4E	13124007	0	Shim Adjusting [VAR]
4F	13124008	0	Shim Adjusting [VAR]
4G	13124009	0	Shim Adjusting [VAR]
4H	13124010	0	Shim Adjusting [VAR]
4I	13124011	0	Shim Adjusting [VAR]
6	13726001	2	Nozzle
7	13124013	2	Gasket Nozzle HOL
8	13724015	1	Pipe Assy Fuel N1
9	13724016	1	Pipe Assy Fuel 02
10	13124018	1	Clamp (A)
11	13124017	1	Clamp (B)
12	13124019	1	Bolt
13	13124020	1	Filter Assy Fuel
14	13124021	1	Clamp Filter
15	52102155	1	Bolt DIN 933 M6-12 8.8
16	51030006	1	Washer DIN 125-6
20	13724025	1	Return LINE
21	13724026	1	JOINT
22	13724027	4	Clamp [NP]

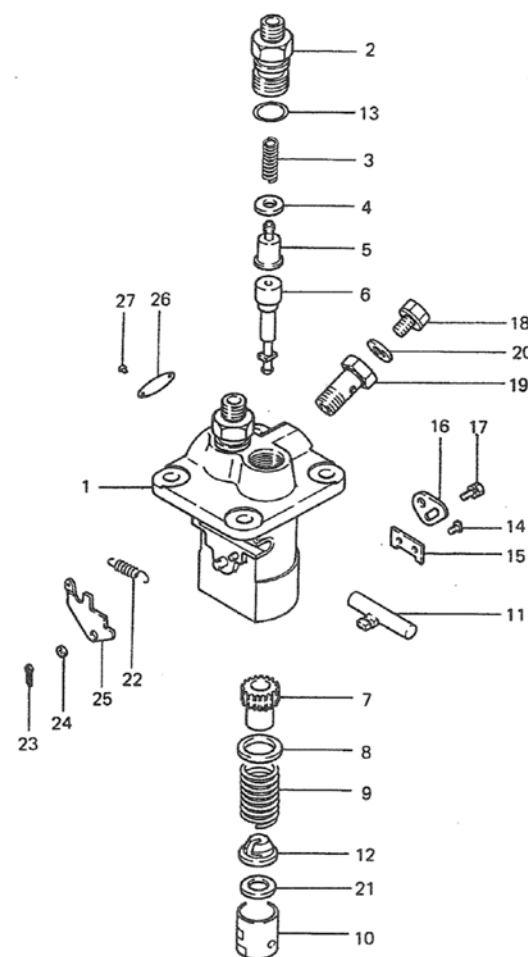


[NP] Not provided

[VAR] Variable according to repair



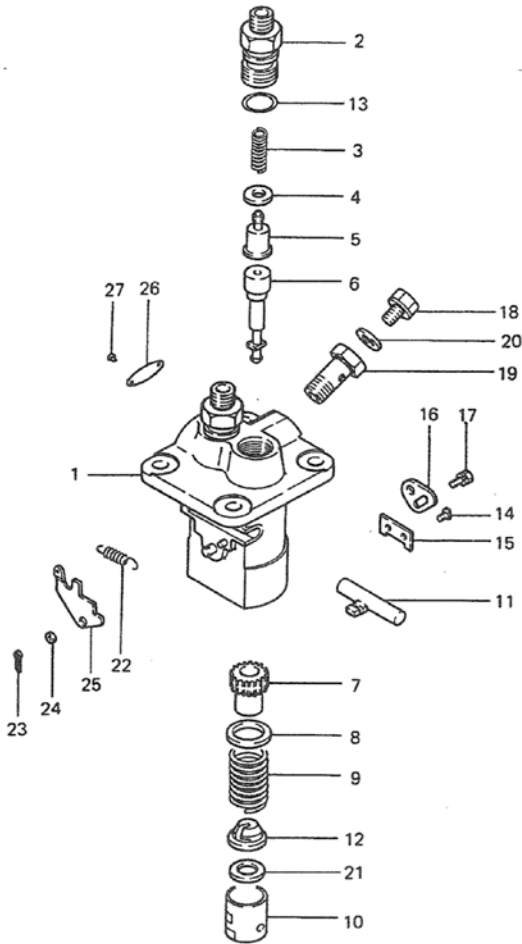
D_MI09_4_2		Fuel Injection Pump		
FIG.	REF.	QTY	DESCR.	
1	13125005	1	Housing Assy	
1-27	13725001	1	Pump Assy,Fuel Injection	
2	13125004	2	Holder DELIVERY V	
3	13125006	2	Spring DELIVERY V	
4	13125007	2	Gasket DELIVERY V	
5	13125008	2	Valve SUB Assy DE	
6	13725009	2	Element SUB A	
7	13125010	2	SLEEVE	
8	13125011	2	Seat Spring Upper	
9	13125012	2	Spring Plunger	
10	13125021	2	Tappet SUB Assy	
12	13125013	2	Seat Spring LOWER	
13	13125033	2	O-Ring D. 15X2,5	
14	13125022	2	Pin Tappet Guide	
15	13125023	1	Plate	
16	13125030	1	Plate Assy Pressure	
17	13125028	1	Bolt Washer ASSEM	
18	13125026	1	Screw Air BRETATH	
19	13125027	1	Screw HOLLOW	
20	13125025	1	Washer	
21A	13125014	0	Shim T=0.60 [VAR]	
21B	13125015	0	Shim T=0.20 [VAR]	
21C	13125016	0	Shim T=0.30 [VAR]	
21D	13125017	0	Shim T=0.40 [VAR]	
21E	13125018	0	Shim T=0.50 [VAR]	
21F	13125019	0	Shim T=0.25 [VAR]	
21G	13125020	0	Shim T=0.35 [VAR]	
21H	13725021	0	Shim Adjusting T=0,45MM. [VAR]	
21I	13725022	0	Shim Adjusting T=0,55MM. [VAR]	
21J	13725023	0	Shim Adjusting T=0,65MM. [VAR]	
22	13525031	1	Spring Return	
23	13125032	1	Pin SPLIT	
24A	13125034	0	Washer Plate [VAR]	
24B	13125035	0	Washer Plate [VAR]	
24C	13125036	0	Washer Plate [VAR]	



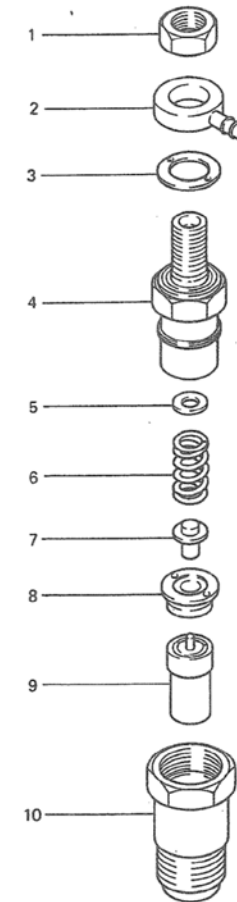
[VAR] Variable according to repair



D_MI09_4_2			Fuel Injection Pump
FIG.	REF.	QTY	DESCR.
24D	13125037	0	Washer Plate [VAR]
25A	13725043	0	Stopper [VAR]
25B	13125038	0	Stopper [VAR]
25C	13125039	0	Stopper [VAR]
25D	13125040	0	Stopper [VAR]
25E	13125041	0	Stopper [VAR]
25F	13125042	0	Stopper [VAR]
25G	13525045	0	Stopper [VAR]
25H	13525046	0	Stopper [VAR]
25I	13725038	0	Stopper [VAR]
25J	13725039	0	Stopper [VAR]
25K	13725040	0	Stopper [VAR]
25L	13725041	0	Stopper [VAR]
25M	13725044	0	Stopper [VAR]
25N	13725045	0	Stopper [VAR]
25O	13725046	0	Stopper [VAR]
26	13725002	1	Plate,name
27	13125003	2	RIVET



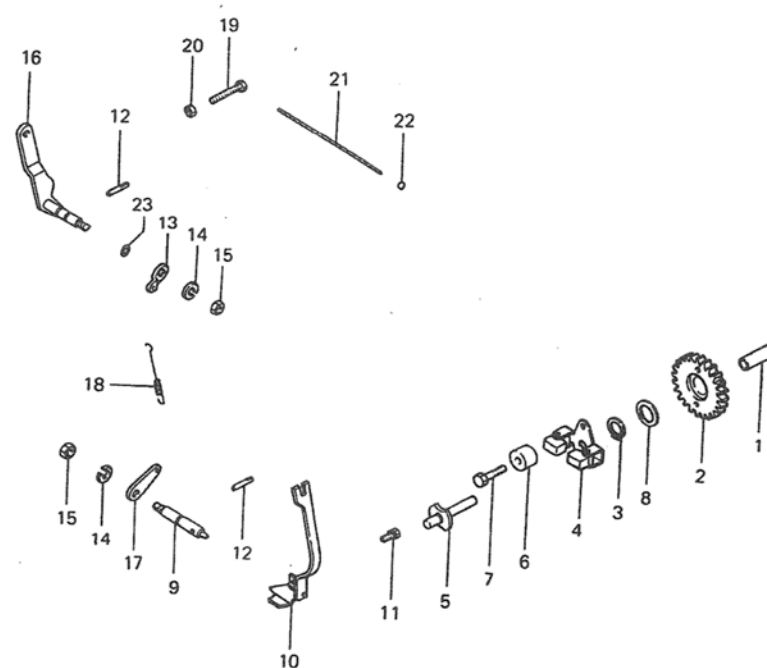
D_MI09_4_3			Nozzle
FIG.	REF.	QTY	DESCR.
1	13726009	2	HEXAGON Nut
1-10	13726001	2	Nozzle
2	13726005	2	Ring SUB Assy
3	13726008	2	Washer
4	13726002	2	Body
5A	13726010	0	Washer 1,00 [VAR]
5B	13726011	0	Washer 1,05 [VAR]
5C	13726012	0	Washer 1,10 [VAR]
5D	13726013	0	Washer 1,15 [VAR]
5E	13726014	0	Washer 1,20 [VAR]
5F	13726015	0	Washer 1,25 [VAR]
5G	13726016	0	Washer 1,30 [VAR]
5H	13726017	0	Washer 1,35 [VAR]
5I	13726018	0	Washer 1,40 [VAR]
5J	13726019	0	Washer 1,45 [VAR]
5K	13726020	0	Washer 1,50 [VAR]
5L	13726021	0	Washer 1,55 [VAR]
5M	13726022	0	Washer 1,60 [VAR]
5N	13726023	0	Washer 1,65 [VAR]
5O	13726024	0	Washer 1,70 [VAR]
5P	13726025	0	Washer 1,75 [VAR]
5Q	13726026	0	Washer 1,80 [VAR]
5R	13726027	0	Washer 1,85 [VAR]
5S	13726028	0	Washer 1,90 [VAR]
5T	13726029	0	Washer 1,95 [VAR]
6	13726004	2	Spring Pressure
7	13126003	2	Pin
8	13126007	2	PIECE DISTANCE
9	13126018	2	Nozzle Assy
10	13726006	2	Nut RETAINING



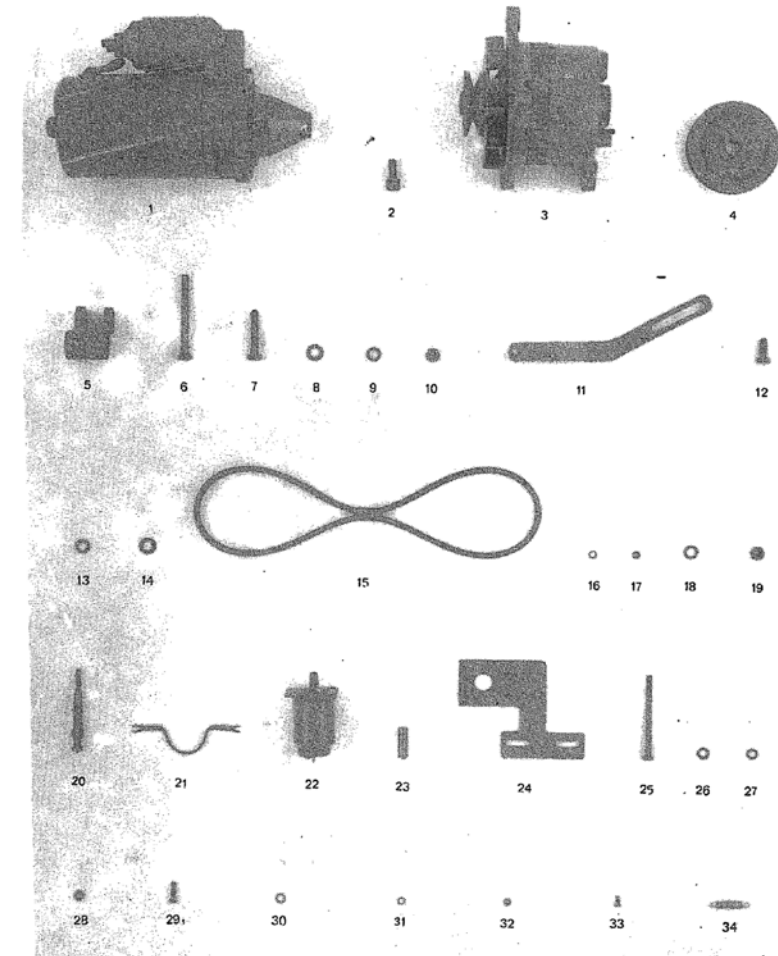
[VAR] Variable according to repair



D_MI09_4_4			Governor Parts
FIG.	REF.	QTY	DESCR.
1	13723004	1	SLEEVE
2	13723001	1	Gear Assy GOverNO
3	53040018	1	CIRClip DIN 471 E-18
4	13723003	1	WEIGHT Assy GOver
5	13723006	1	Shaft Assy
6	13723005	2	Stopper
7	52102158	1	Bolt DIN 933 M6-25 8.8
8	13723011	1	Washer
9	13123016	1	Spring GOverNOR
10	13723007	1	Lever Fork
11	52102156	1	Bolt DIN 933 M6-16 8.8
12	13123009	2	Pin GROOVED
13	13123015	1	Lever GOverNOR SP
14	53033008	2	Washer GROWER DIN 127-8
15	52120008	2	Nut DIN 934 M8 8.8
16	13723014	1	Lever Assy SPEED
17	13723015	1	Lever
18	13723016	1	Spring GOverNOR
19	13123017	1	Bolt High Speed
20	13123018	1	Spring,return
21	13123020	1	Shutter
22	13123019	1	METAL Sealing
23	13123021	1	O-Ring D. 7X1.8



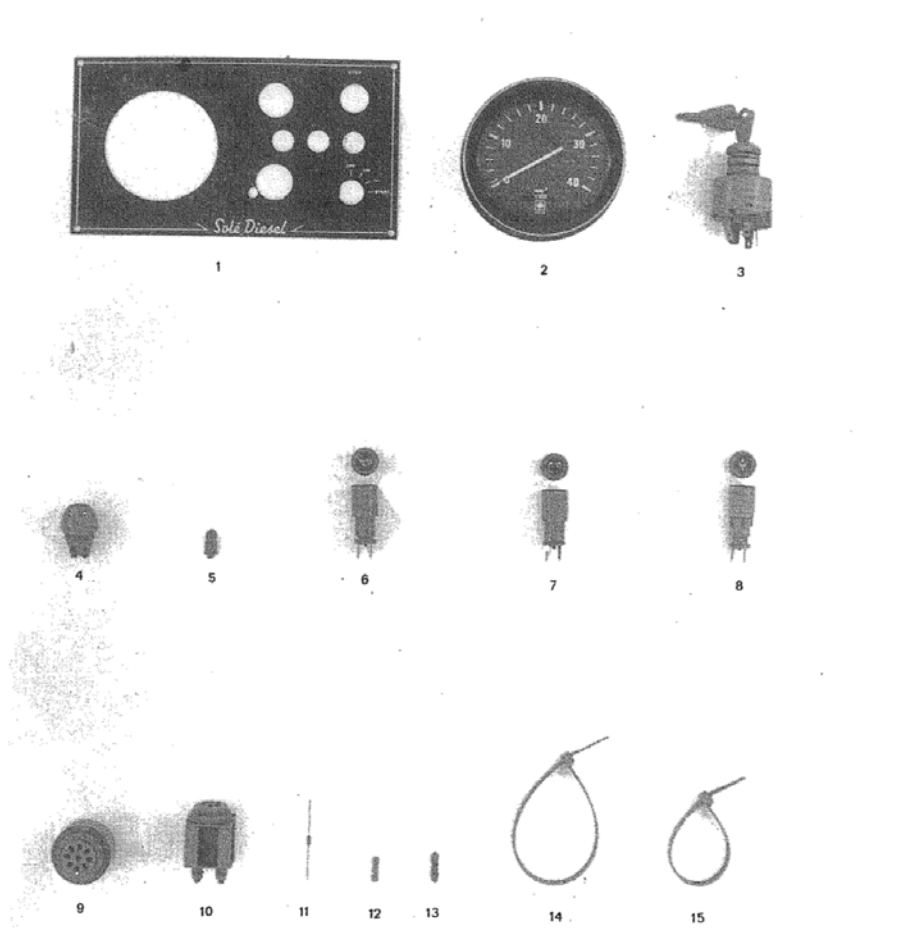
D_MI09_5_1			Electrical System 1
FIG.	REF.	QTY	DESCR.
1	13727001	1	Starter Assy
2	52102258	2	Bolt DIN 933 M8-25 8.8
3	13627010	1	Alternator 12V/35A
4	13717010	1	Pulley,alternator
5	13717011	1	Bracket, Alternator
6	13727008	1	Bolt ALT.
7	52101262	1	Bolt DIN 931 M8-45 8.8
8	51030008	2	Washer DIN 125-8
9	53033008	2	Washer GROWER DIN 127-8
10	52120008	2	Nut DIN 934 M8 8.8
11	13717012	1	Brace,alternator
12	52102257	1	Bolt DIN 933 M8-20 8.8
13	53033008	1	Washer GROWER DIN 127-8
14	51030008	1	Washer DIN 125-8
15	13717013	1	Belt Type Z 31 790
16	53033008	1	Washer GROWER DIN 127-8
17	52120005	1	Nut DIN 934 M5 8.8
18	53033008	1	Washer GROWER DIN 127-8
19	52120008	1	Nut DIN 934 M8 8.8
20	13727017	2	Plug Glow (Y-114T
21	13727018	1	Wire Glow Plug LE
22	13117001	1	RELOY Stop
23	13717002	1	Stud,solenoid
24	13717003	1	Bracket,solenoid [NP]
25	52101169	2	Bolt DIN 931 M6-80 8.8
26	51030006	2	Washer DIN 125-6
27	53033006	2	Washer GROWER DIN 127-6
28	52120006	2	Nut DIN 934 M6 8.8
29	52102106	4	Bolt DIN 933 M5-15 8.8
30	51030005	4	Washer DIN 125-5
31	53033005	4	Washer GROWER DIN 127-5
32	52120005	4	Nut DIN 934 M5 8.8
33	51108052	1	Bolt DIN 84 M4-6 5.6
34	14619040	1	Spring,stop



[NP] Not provided



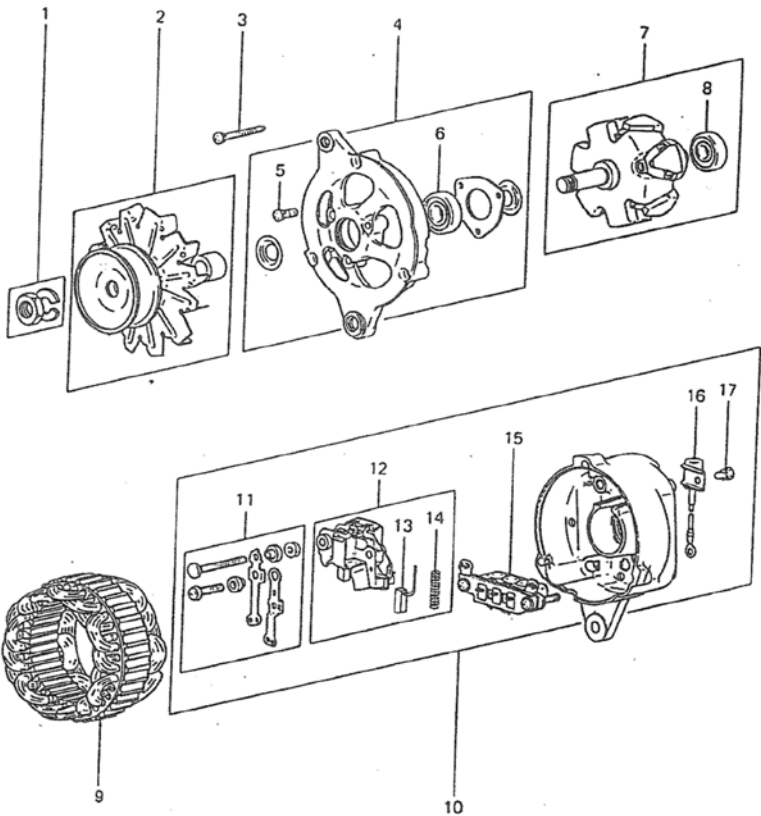
D_MI09_5_2			Electrical System 2
FIG.	REF.	QTY	DESCR.
1	60931001	1	Panel
2	60934010	1	TACHOMETER VDO MINI-34
3	60900031	1	Key-Locking Switch
4	60900040	1	SWITCH, stop
5	60900045	3	Bulb 12V 3W
6	60900050	1	LAMP, oil press.
7	60900051	1	LAMP, charge
8	60900052	1	LAMP, water temp.
9	60900060	1	Alarm, SWITCH
10	60937095	1	LAMP Glow (2-CYL.
11	60900110	1	DIODE 3 A.
12	60937200	1	Wiring,electrical MINI 10and14
13	60900116	1	Fuse 40 A.
14	58088285	1	Clamp
15	58088284	2	Clamp
16	13627068	1	CONDENSER
NS	60937000	1	Panel MINI-10 [NS]



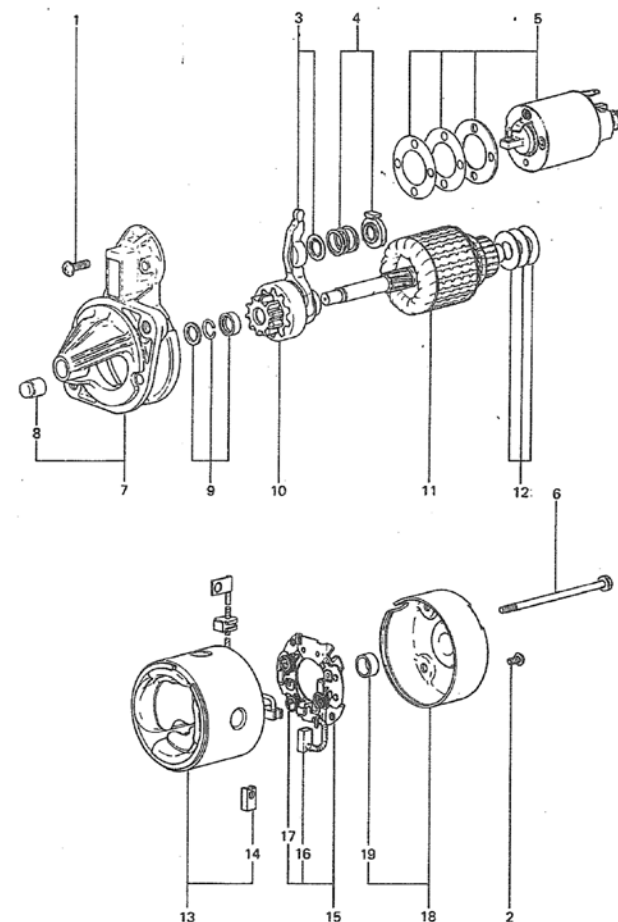
[NS] Not shown



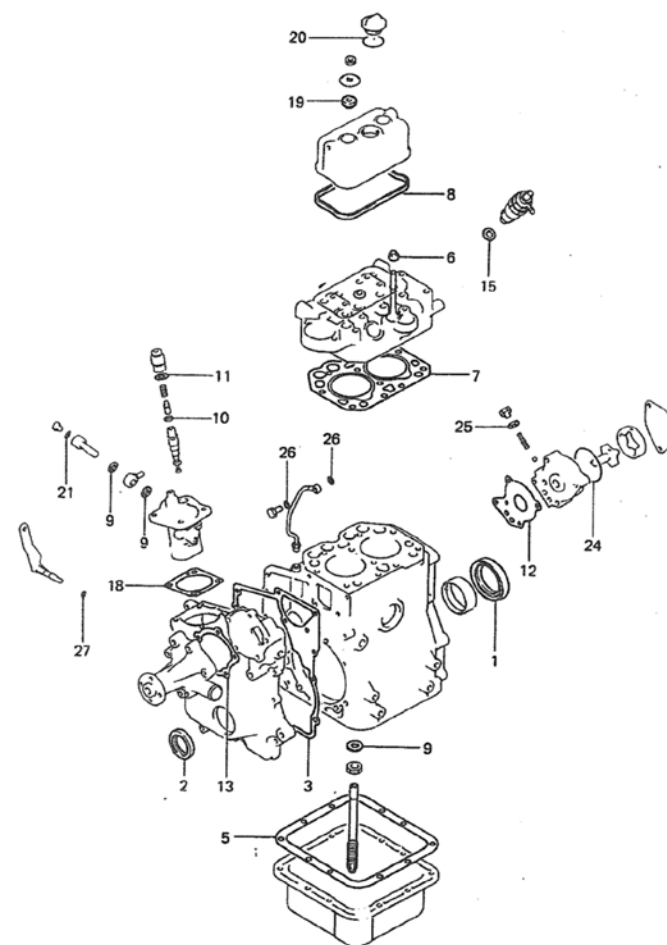
D_MI09_5_3 Spare Parts Alternator			
FIG.	REF.	QTY	DESCR.
1	13227051	1	Nut
1-17	13627010	1	Alternator 12V/35A
2	13627052	1	Pulley Assy
3	13627053	1	Screw Set
4	13627054	1	Bracket Assy FRON
5	13227055	1	Screw Set
6	13627056	1	Ball Bearing 6202-V
7	13227057	1	Rotor Assy
8	13227058	1	Ball Bearing 6201-Z
9	13627059	1	STATOR Assy
10	13627060	1	Bracket Assy REAR
11	13627061	1	TERMINAL
12	13627016	1	REGULATOR
13	13427065	2	Brush
14	13227066	2	Spring Brush
15	13627067	1	RECTIFIER Assy
17	13627069	1	Screw



D_MI09_5_4			Spare Parts Starter
FIG.	REF.	QTY	DESCR.
1-19	13727001	1	Starter Assy
3	13527102	1	Lever Assy
4	13127103	1	Spring Set
5	13127104	1	SWITCH Assy
6	13727114	1	Bolt Set
7	13727106	1	Bracket Assy Front
8	13727107	1	Bearing
9	13127108	1	Stopper
10	13727109	1	Clutch Over Running
11	13727111	1	ARMATURE
12	13527112	1	Washer Set
13	13727113	1	ENSEMBLE FOURCHE
14	13727116	2	Brush
15	13727117	1	Holder Brush
16	13727119	1	Brush
17	13127118	3	Spring
18	13527120	1	Bracket Assy
19	13127121	1	SELFOil D. 14X17X9,5

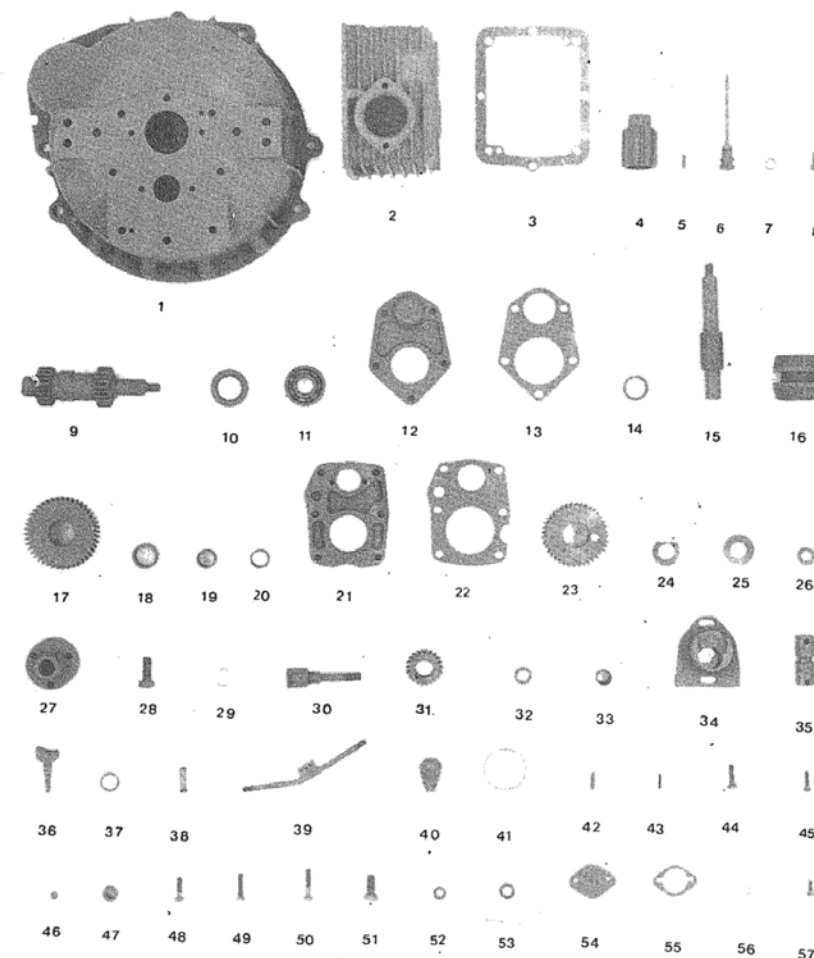


D_MI09_6_1			Gasket Kit
FIG.	REF.	QTY	DESCR.
1	13720019	1	Seal Oil
1-27	13720101	1	Kit Gasket
2	13220039	1	Seal Oil
3	13720040	1	Gasket GearCase
5	13720033	1	Gasket OilPAN
6	13222054	4	Seal Valve Stem
7	13721004	1	Gasket Cylinder H
8	13721010	1	Gasket Rocker COV
9	13124001	3	Washer
10	13125007	2	Gasket DELIVERY V
11	13125033	2	O-Ring D. 15X2,5
12	13724041	1	Gasket Oil Pump B
13	13721022	1	Gasket Water Pump
15	13124013	2	Gasket Nozzle HOL
16	13721035	2	Gasket Exhaust MA
18A	13124003	1	Shim Adjusting
18B	13124004	1	Shim Adjusting
18C	13124005	1	Shim Adjusting
18D	13124009	1	Shim Adjusting
19	13221016	2	Seal
20	13721007	1	O-Ring D. 30X3
21	13125025	1	Washer
22	*	2	Descripcion [NP]
23	*	1	Descripcion [NP]
24	13724049	1	O-Ring D. 60X2
25	13124046	1	Gasket
27	13123021	1	O-Ring D. 7X1.8



[NP] Not provided

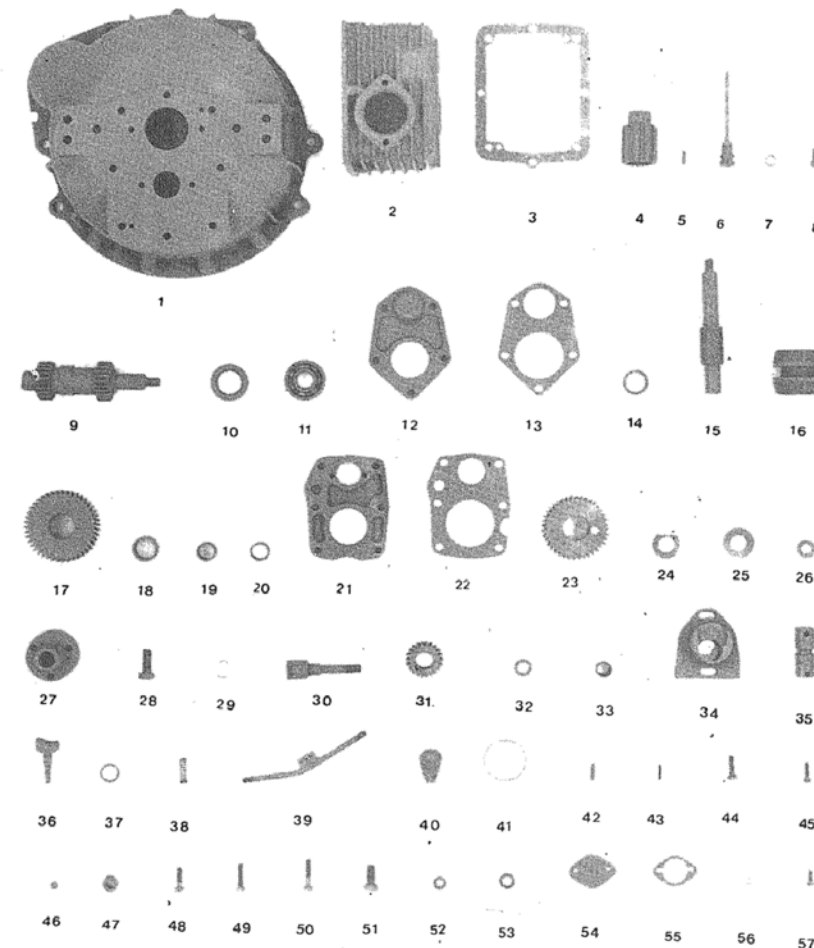
D_22313300		GearBox RONIM III R.2,00	
FIG.	REF.	QTY	DESCR.
1	22310021	1	Housing,rear MINI-10
1-53	22313000	1	GearBox Assy RONIM 3 R2:1 M-3
2	22313002	1	Housing,rear
3	22310003	1	Gasket
4	22310035	1	Flange, input
5	22210007	2	Pin
6	22310008	1	Plug,oil level
7	25210010	1	O-Ring D. 10,77X2,62
8	11111135	1	Plug,oil drain
9	22315101	0	Shaft,input [VAR]
9	22313101	1	Shaft,input 2:1
10	22210103	2	Seal,oil BA 30-47-7
11	22210104	2	Ball Bearing 6304-NR
12	22310102	1	Cover,front
13	22310105	1	Gasket
15	22310201	1	Shaft,output
16	22210202	1	CONE,clutch [NP]
17	22313203	1	Gear,front
18	22210204	2	Bearing,needle
19	22210205	2	Ring
20	22310207	1	Cover,rear
21	22310208	1	Cover,rear
22	22310209	1	Gasket,rear cover
23	22310210	1	Gear,rear
24	22310217	2	Spacer,Gear
25	22310218	2	Spacer,bearing
26	22210219	4	Washer
27	22315224	0	Flange,output [VAR]
28	25210222	1	Bolt,blockage
29	22210225	2	O-Ring D. 20X23X1,5
30	22310301	1	INTERMEDIATE Shaft
31	22310302	1	Gear,INTERMEDIATE
32	22310304	1	Washer,friction
34	22513400.1	1	Control Assy
35	22310402	1	EXCENTRICA,control



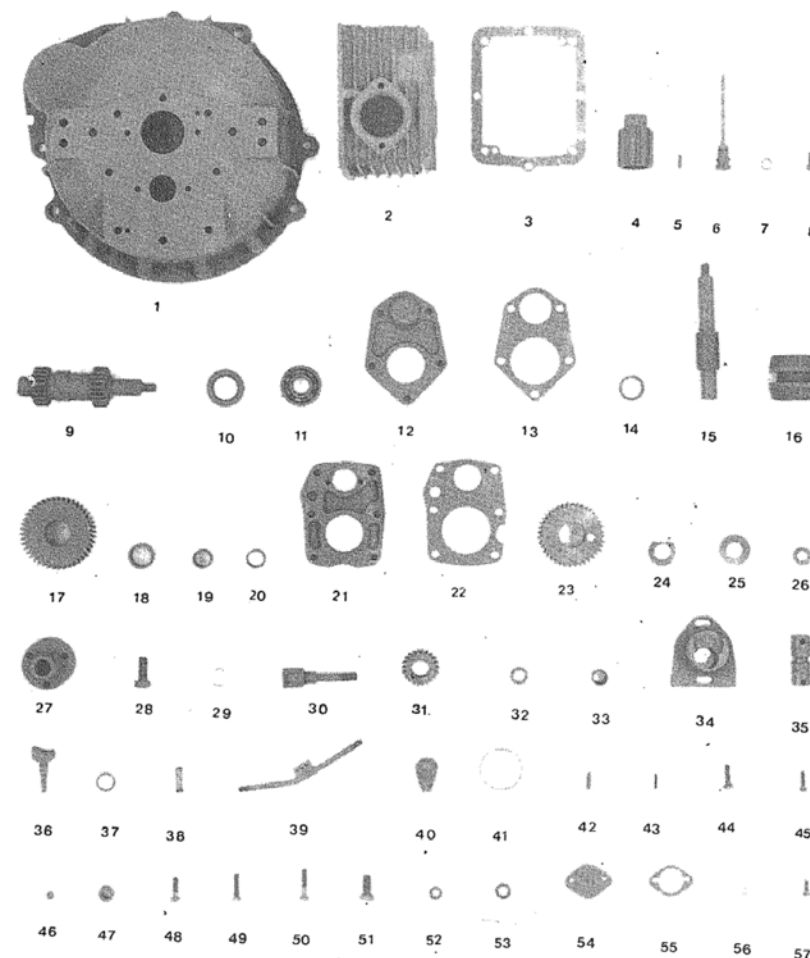
[NP] Not provided

[VAR] Variable according to repair

D_22313300		GearBox RONIM III R.2,00	
FIG.	REF.	QTY	DESCR.
36	22210403	1	ARM,control
37	25210408	1	O-Ring D. 18,3X25,5X3,6
38	25210411	1	Spring
39	22210413	1	Lever,control
40	22110416	1	Handle
41	22310417	1	O-Ring D. 49X2,5
44	52102258	2	Bolt DIN 933 M8-25 8.8
45	52103157	2	Bolt DIN 912 M6-20 8.8
46	52120006	2	Nut DIN 934 M6 8.8
47	51123012	3	Nut DIN 985 M12 5.6
48	52101258	11	Bolt DIN 931 M8-25 8.8
49	52101259	2	Bolt DIN 931 M8-30 8.8
50	52101260	5	Bolt DIN 931 M8-35 8.8
51	53102358	1	Bolt DIN 933 M12-25 12.9 [NP]
52	51030008	20	Washer DIN 125-8
53	56000116	1	Washer 12,5-20-2



D_22315300		GearBox RONIM III R.3,00	
FIG.	REF.	QTY	DESCR.
1	22315021	1	Housing,rear MINI-10/14
1-53	22315000	1	GearBox Assy RONIM 3 M-3 3:1
2	22315002	1	Housing, rear RAT.3:1
3	22310003	1	Gasket
4	22310035	1	Flange, input
5	22210007	2	Pin
6	22310008	1	Plug,oil level
7	25210010	1	O-Ring D. 10,77X2,62
8	11111135	1	Plug,oil drain
9	22315101	1	Shaft,input
10	22410223	1	Seal,oil 35-47-7
11	22410224	1	Ball Bearing 6305-NR
12	22310102	1	Cover,front
13	22310105	1	Gasket
15	22415201	1	Shaft,output 3:1
16	22210202	1	CONE,clutch [NP]
17	22313203	0	Gear,front [VAR]
18	22410204	1	Bearing,needle
18	22210204	1	Bearing,needle
19	22410205	1	Ring,bearing
19	22210205	1	Ring
20	22310207	1	Cover,rear
21	22315208	1	Cover REAR RED.3:1
22	22310209	1	Gasket,rear cover
23	22415210	1	Gear,rear 3:1
24	22310217	1	Spacer,Gear
24	22410217	1	Spacer,Gear
25	22410218	1	Spacer,rear bearing
25	22310218	1	Spacer,bearing
26	22210219	4	Washer
27	22315224	1	Flange,output
28	25210222	1	Bolt,blockage
29	22210225	2	O-Ring D. 20X23X1,5
30	22310301	1	INTERMEDIATE Shaft
31	22415302	1	Gear,intermediary 3:1



[NP] Not provided

[VAR] Variable according to repair

D_22315300		GearBox RONIM III R.3,00	
FIG.	REF.	QTY	DESCR.
32	22310304	1	Washer,friction
34	22513400.1	1	Control Assy
35	22310402	1	EXCENTRICA,control
36	22210403	1	ARM,control
37	25210408	1	O-Ring D. 18,3X25,5X3,6
38	25210411	1	Spring
39	22210413	1	Lever,control
40	22110416	1	Handle
41	22310417	1	O-Ring D. 49X2,5
44	52102258	2	Bolt DIN 933 M8-25 8.8
45	52103157	2	Bolt DIN 912 M6-20 8.8
46	52120006	2	Nut DIN 934 M6 8.8
47	51123012	3	Nut DIN 985 M12 5.6
48	52101258	11	Bolt DIN 931 M8-25 8.8
49	52101259	2	Bolt DIN 931 M8-30 8.8
50	52101260	5	Bolt DIN 931 M8-35 8.8
51	53102358	1	Bolt DIN 933 M12-25 12.9 [NP]
52	51030008	20	Washer DIN 125-8
53	56000116	1	Washer 12,5-20-2

