



# Genset 50 GSC

VERSION 2024-3

PART LIST



# PARTS LIST CATALOGUE

## NORMS TO PLACE AN ORDER

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

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

---

Spare parts requests must be addressed to :

[orders@solediesel.com](mailto:orders@solediesel.com)

Telf.: +34 93 775 44 05

---

The components shown in the catalog have:

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

Hoses, indicates the total length in meters

---

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

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

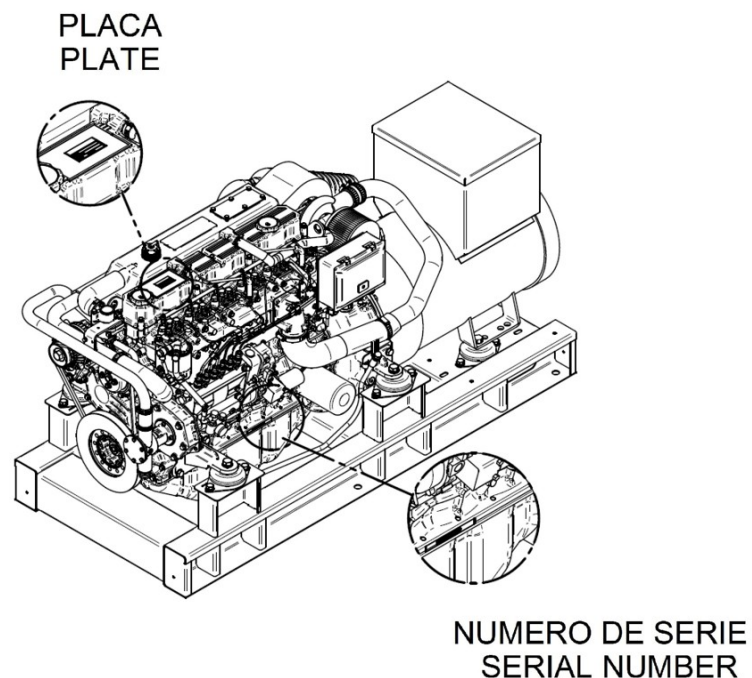
The parts i / or references in this catalog are subject to change without notice.

---

**SOLÉ, S.A.**

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

---



# Index

## Engine Body

- Cylinder Head
- Rocker Cover & Breather
- Valve Drive
- Timing Parts
- Gear Case
- Crankcase
- Flywheel Housing
- Piston & Connecting Rod
- Crankshaft & Flywheel
- Oil System
- Oil Pan
- Engine Brackets

## Inlet & Exhaust

- Inlet
- Turbocharger
- Spare Parts, Turbocharger

## Cooling System

- Water Pump
- Cooler Pipes
- Water Cooler Assy SM-81
- Body, Water Cooler and Cap
- Cross Brace Pump 1" SM-82/94 Gen.SM-81
- Wet Exhaust

## Fuel System

- Fuel Pipe
- Injection Nozzle
- Injection Pump
- Governor Parts
- Governor
- Feed Pump
- Fuel Filter

## Electrical System

- Electrical System 12V
- Electrical System 24V
- Parallel Electrical System 12V
- Parallel Electrical System 24V
- Panels for Genset
- Spare Parts List for Generator Panel
- Electrical Box for Parallel
- Genset Extension
- Parallel Genset Extension

## Alternator Spare Parts

- Alternators 50 GSC
- Spare Part List Alternator Type C

Alternator Kit With Cabin 230V

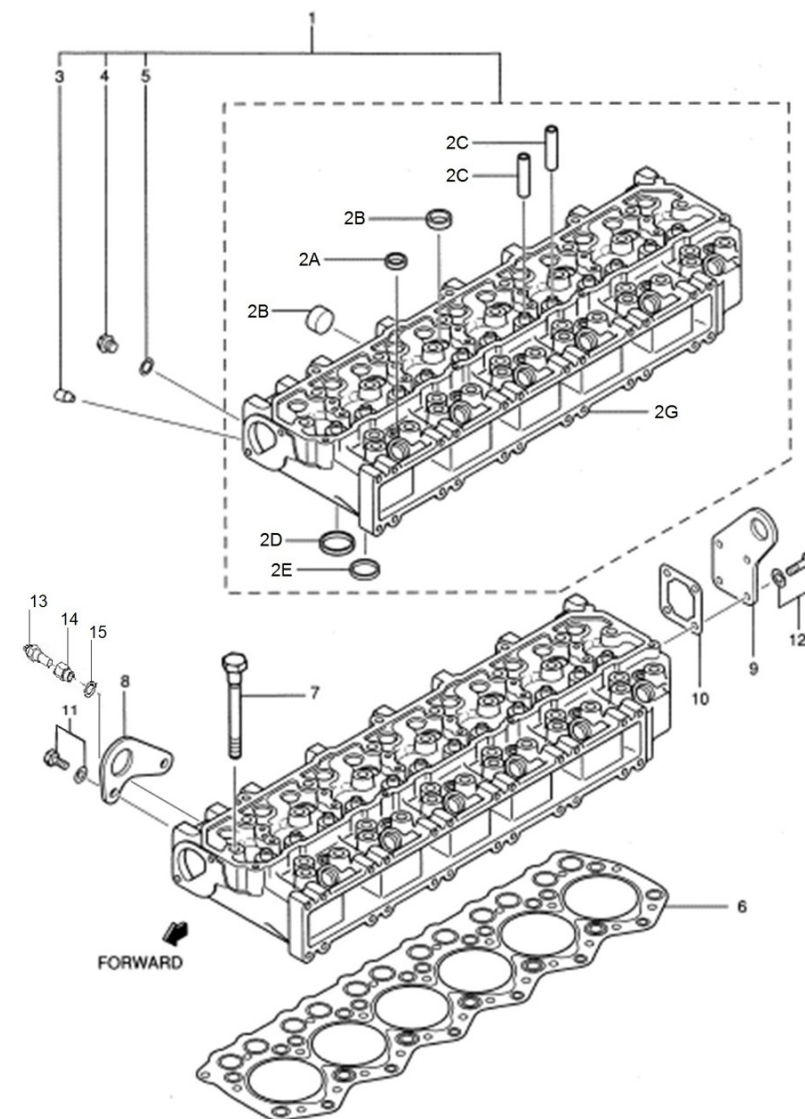
## Genset Spare Parts

- Canopy
- Canopy Kit

## Maintenance Kit

- Gasket Kit
- Pipe Rubber Set, Water Line SM-81
- Special Tools
- Special Tools

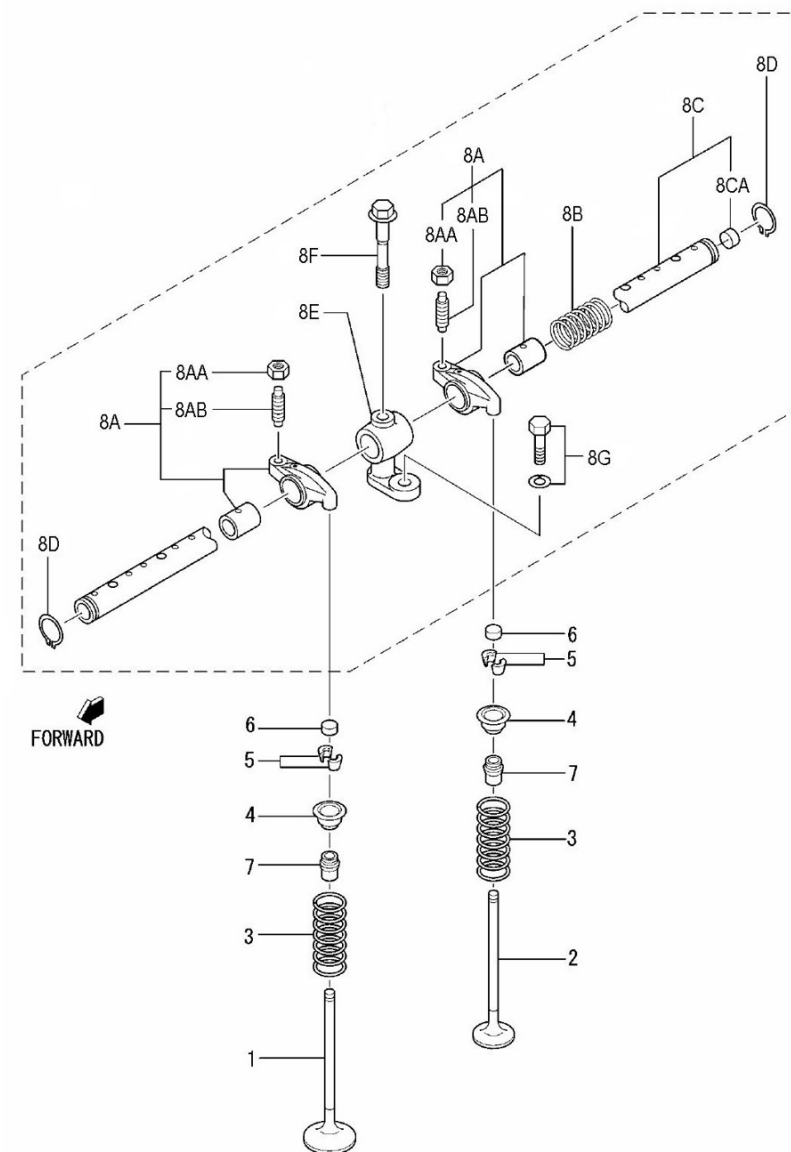
| D_GP01_1_1 |             | Cylinder Head |                                     |     |           |
|------------|-------------|---------------|-------------------------------------|-----|-----------|
| Fig.       | Ref.        | Qty.          | Descr.                              | Obs | From UpTo |
| 1          | 17A21001    | 1             | Cylinder Head                       |     |           |
| 2A         | 17220006    | 18            | Cap, Sealing                        |     |           |
| 2B         | 13220012    | 11            | Cap Sealing                         |     |           |
| 2C         | 17421002    | 12            | Guide, Valve                        |     |           |
| 2D         | 17421061    | 6             | Seat, Valve, IN                     |     |           |
| 2E         | 17421062    | 6             | Seat, Valve, Exhaust                |     |           |
| 4          | 17121016    | 1             | Plug, drain                         |     |           |
| 5          | 17121013    | 1             | Gasket                              |     |           |
| 6          | 17521004    | 1             | Cylinder Head Gasket                |     |           |
| 7          | 17421005    | 25            | Bolt, cylinder head                 |     |           |
| 8          | 17420014    | 1             | Eye, Lifting, Front                 |     |           |
| 9          | 17421018    | 1             | Eye, Lifting; Head Rea              |     |           |
| 10         | 17421011    | 1             | Gasket                              |     |           |
| 11         | 17821012    | 2             | Bolt, W/Washer                      |     |           |
| 12         | 17421012G.1 | 4             | Bolt W/Washer (Generator)           |     |           |
| 13         | 60900972    | 1             | High Coolant, 2 Poles 96°           |     |           |
| 14         | 60900999.1  | 1             | Connection M14X1,5 5/8" EXA.19 L=25 |     |           |
| 15         | 56000073    | 1             | Copper Washer 16-23-1,5             |     |           |



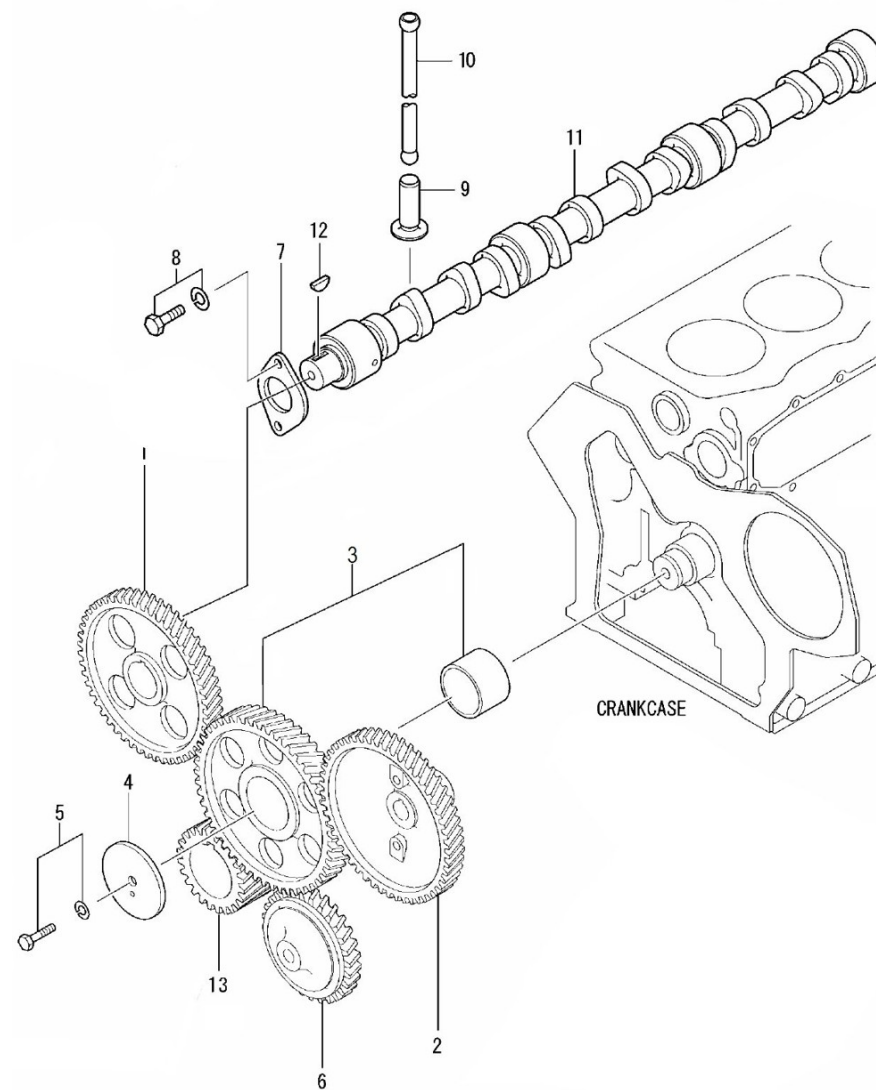
This exploded view diagram illustrates the components of a fuel rail assembly. The parts are numbered as follows:

- 1**: Fuel rail end fittings (two shown).
- 2**: Fuel rail end caps (two shown).
- 3**: Fuel rail body.
- 4**: Fuel rail O-ring (one shown).
- 5**: Fuel rail O-ring (one shown).
- 6**: Fuel rail O-ring (one shown).
- 7**: Fuel rail O-ring (one shown).
- 8**: Fuel rail O-ring (one shown).
- 9**: Fuel rail O-ring (one shown).
- 10**: Fuel rail O-ring (one shown).
- 11**: Fuel rail O-ring (one shown).
- 12**: Fuel rail O-ring (one shown).
- 13**: Fuel rail O-ring (one shown).
- 14**: Fuel rail O-ring (one shown).

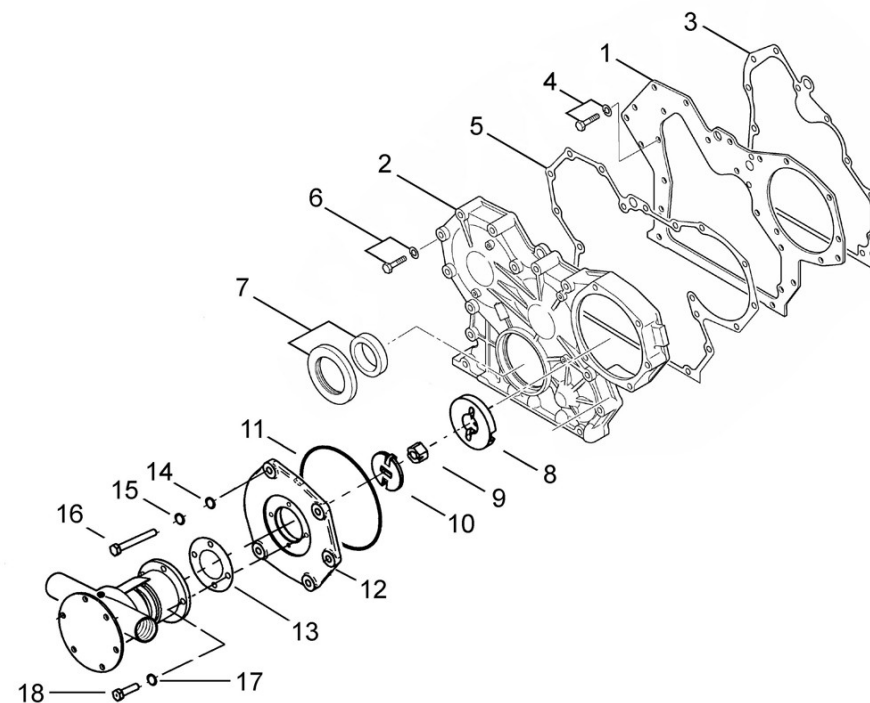
| D_GP01_1_3 |             | Valve Drive |                         |     |           |
|------------|-------------|-------------|-------------------------|-----|-----------|
| Fig.       | Ref.        | Qty.        | Descr.                  | Obs | From UpTo |
| 1          | 17422055.1  | 6           | Valve,Inlet             |     |           |
| 2          | 17422056    | 6           | Exhaust Valve           |     |           |
| 3          | 13322028    | 12          | Spring, valve outler    |     |           |
| 4          | 17422058    | 12          | Retainer,Upper          |     |           |
| 5          | 17122059.1  | 24          | Cotter,Valve            |     |           |
| 6          | 13322024    | 12          | Cap                     |     |           |
| 7          | 17422054    | 12          | Seal,Valve Stem         |     |           |
| 8A         | 17422142.1  | 12          | Rocker Assy             |     |           |
| 8AA        | 17122060    | 12          | Nut                     |     |           |
| 8AB        | 17122044    | 12          | Screw Adjusting         |     |           |
| 8B         | 17422047G.1 | 5           | Spring,Rocker           |     |           |
| 8C         | 17522146    | 1           | Shaft,Assy,Rocker       |     |           |
| 8CA        | 13322023    | 2           | Cap, Sealing            |     |           |
| 8D         | 17222050    | 2           | Ring, SNAP              |     |           |
| 8E         | 17422048    | 6           | Bracket,Rocker Shaft    |     |           |
| 8F         | 17422053    | 6           | Bolt,Rocker Bracket     |     |           |
| 8GA        | 52102258    | 6           | Bolt DIN 933 M8-25 8.8  |     |           |
| 8GB        | 53033008    | 6           | Washer GROWER DIN 127-8 |     |           |



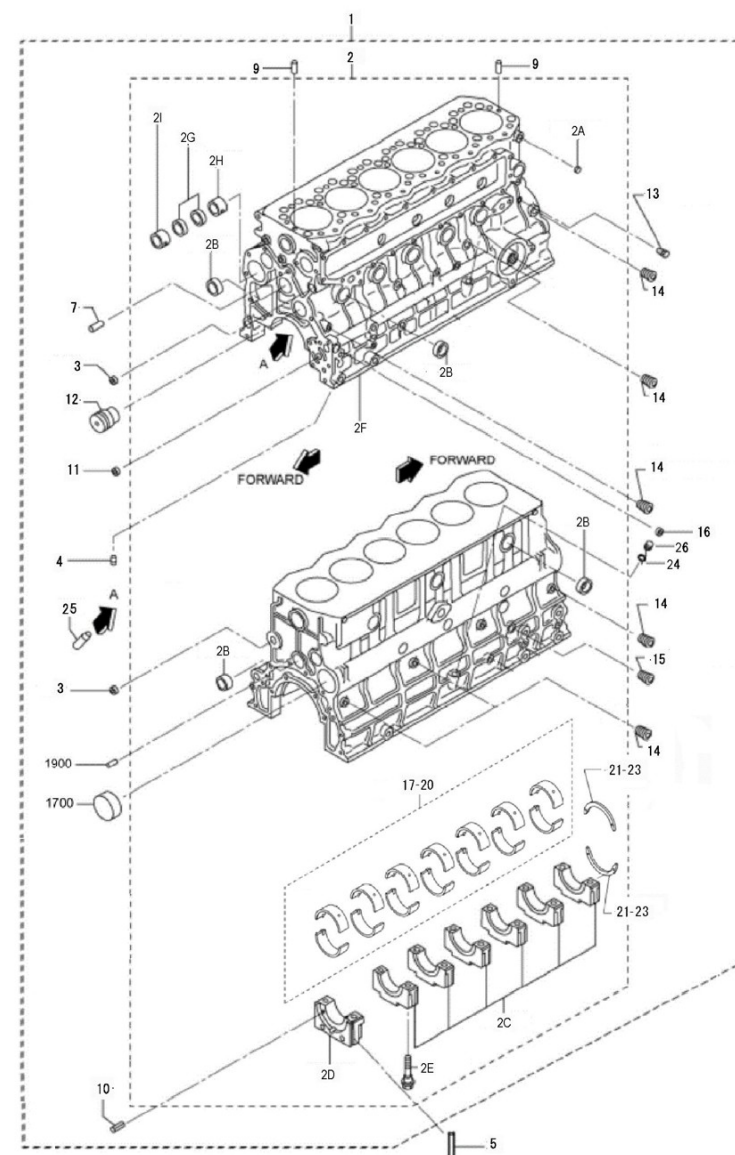
| D_GP01_1_4 |             | Timing Parts |                           |     |      |      |
|------------|-------------|--------------|---------------------------|-----|------|------|
| Fig.       | Ref.        | Qty.         | Descr.                    | Obs | From | UpTo |
| 1          | 17422037    | 1            | Gear,CamShaft Z=46        |     |      |      |
| 2          | 17A22040    | 1            | Gear, inj.pump            |     |      |      |
| 3          | 17A22038    | 1            | Gear, Assy idler          |     |      |      |
| 4          | 17122032    | 1            | Plate, thrust             |     |      |      |
| 5          | 17720010    | 1            | Bolt,W/Washer             |     |      |      |
| 6          | 17422066    | 1            | Gear,Oil Pump Z=31        |     |      |      |
| 7          | 17522075    | 1            | Plate,Thrust              |     |      |      |
| 8          | 17422037G.1 | 2            | Bolt W/Washer (Generator) |     |      |      |
| 9          | 17122061    | 12           | Tappet                    |     |      |      |
| 10         | 17122041    | 12           | Rod, push                 |     |      |      |
| 11         | 17A22035    | 1            | Camshaft                  |     |      |      |
| 12         | 13322034    | 1            | Key Woodruff              |     |      |      |
| 13         | 17822019    | 1            | Gear, CrankShaft          |     |      |      |



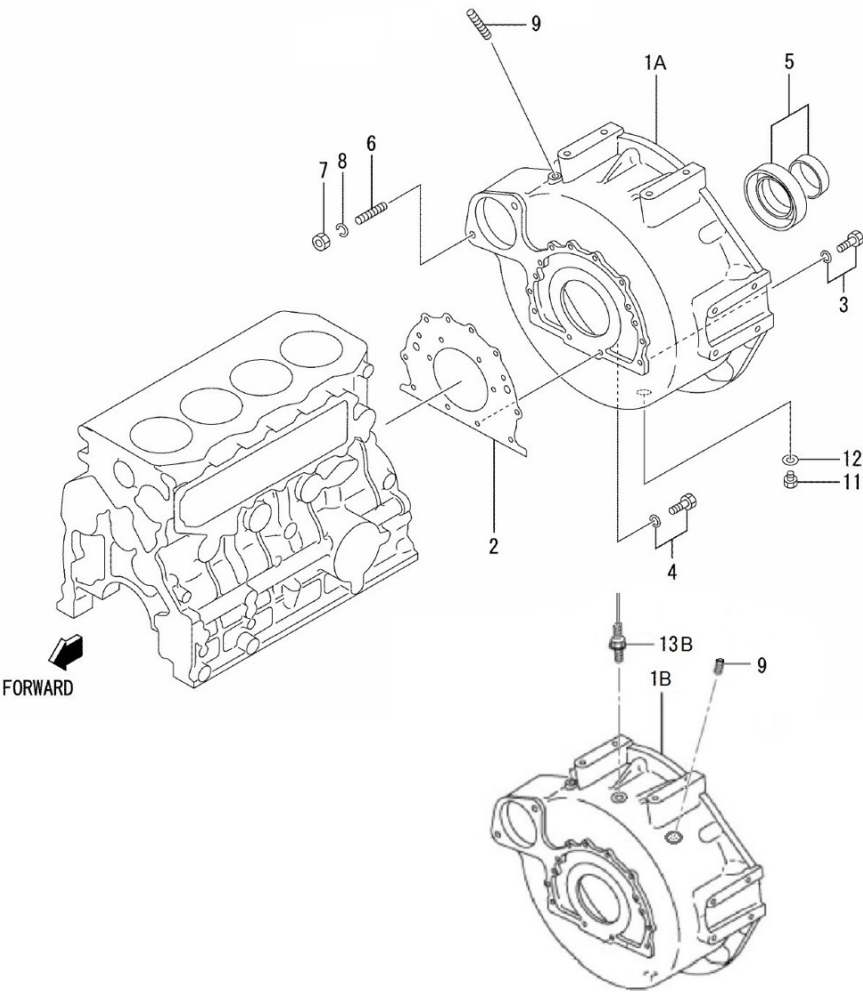
| D_GP01_1_5 |             | Gear Case |                           |     |      |      |
|------------|-------------|-----------|---------------------------|-----|------|------|
| Fig.       | Ref.        | Qty.      | Descr.                    | Obs | From | UpTo |
| 1          | 17A20024    | 1         | Plate, Front              |     |      |      |
| 2          | 17420035G   | 1         | Case,TIMING Gear          |     |      |      |
| 3          | 17420018    | 1         | Gasket,Front Plate        |     |      |      |
| 4          | 17422037G.1 | 5         | Bolt W/Washer (Generator) |     |      |      |
| 5          | 17420040    | 1         | Gasket,Gear               |     |      |      |
| 6          | 17520047    | 13        | Bolt,W/Washer             |     |      |      |
| 7          | 17420039.1  | 1         | Seal Assy,Oil             |     |      |      |
| 8          | 17A11026    | 1         | Coupling Drive            |     |      |      |
| 9          | 17422071    | 1         | Nut,INJ.Pump              |     |      |      |
| 10         | 15310072    | 1         | CrossHead Jaw Coupling    |     |      |      |
| 11         | 17420047    | 1         | O-Ring D. 140X2           |     |      |      |
| 12         | 17410010    | 1         | Block Water Pump          |     |      |      |
| 13         | 13310013    | 1         | Gasket,water pump         |     |      |      |
| 14         | 51030008    | 5         | Washer DIN 125-8          |     |      |      |
| 15         | 53033008    | 5         | Washer GROWER DIN 127-8   |     |      |      |
| 16         | 52101266    | 5         | Bolt DIN 931 M8-65 8.8    |     |      |      |
| 17         | 51030006    | 4         | Washer DIN 125-6          |     |      |      |
| 18         | 52103156    | 4         | Bolt DIN 912 M6-16 8.8    |     |      |      |



| D_GP01_1_6 |             | Crankcase |                            |     |           |
|------------|-------------|-----------|----------------------------|-----|-----------|
| Fig.       | Ref.        | Qty.      | Descr.                     | Obs | From UpTo |
| 1          | 17A20001    | 1         | Block Assy,CYL             |     |           |
| 2          | 17A20002    | 1         | Block SUB Assy CY          |     |           |
| 2B         | 13320006    | 14        | Cap, Sealing               |     |           |
| 2E         | 17420009    | 14        | Bolt Bearing Cap           |     |           |
| 2G         | 13320002    | 2         | Bushing,camShaft n°2       |     |           |
| 2H         | 17120015    | 1         | BUSING,camShaft r          |     |           |
| 2I         | 17520015    | 1         | Bushing,CamShaft,F         |     |           |
| 3          | 13320007    | 7         | Cap, Sealing               |     |           |
| 4          | (*)         | 12        | Not available              |     |           |
| 5          | 17420112    | 2         | Seal,Valve                 |     |           |
| 6          | 17420013    | 1         | Plug,Cam                   |     |           |
| 7          | 17420036    | 2         | Pin,Dowel                  |     |           |
| 8          | 13320025    | 2         | Pin                        |     |           |
| 9          | 17120019    | 2         | Pin, dowel                 |     |           |
| 10         | 17420012    | 6         | Pin, Spring                |     |           |
| 11         | 17420011G.3 | 1         | Bushing                    |     |           |
| 12         | 17420034    | 1         | Shaft, IDLER               |     |           |
| 13         | 17120022    | 1         | Plug, tapered              |     |           |
| 14         | 17820011    | 5         | Plug, Tapered              |     |           |
| 15         | 17620024.4  | 1         | Plug TAPER                 |     |           |
| 16         | 17420027G.1 | 2         | Plug, TAPPERED (Generator) |     |           |
| 17         | 17520003    | 1         | Bearing Set, MAIN STD      |     |           |
| 18         | 17520004    | 1         | Bearing Set, MAIN -0,25    |     |           |
| 19         | 17520005    | 1         | Bearing Set, MAIN -0,50    |     |           |
| 20         | 17520006    | 1         | Bearing Set, MAIN -0,75    |     |           |
| 21         | 17420109    | 3         | Plate, THRUST.C/S STD      |     |           |
| 22         | 17420110    | 3         | Plate, THRUST.C/S +0,15    |     |           |
| 23         | 17420111    | 3         | Plate, THRUST.C/S +0,30    |     |           |
| 24         | 17120058    | 1         | O-Ring D. 13X2,5           |     |           |
| 25         | 17A20003    | 6         | Valve, Check STD           |     |           |
| 26         | 17120059    | 1         | Plug                       |     |           |

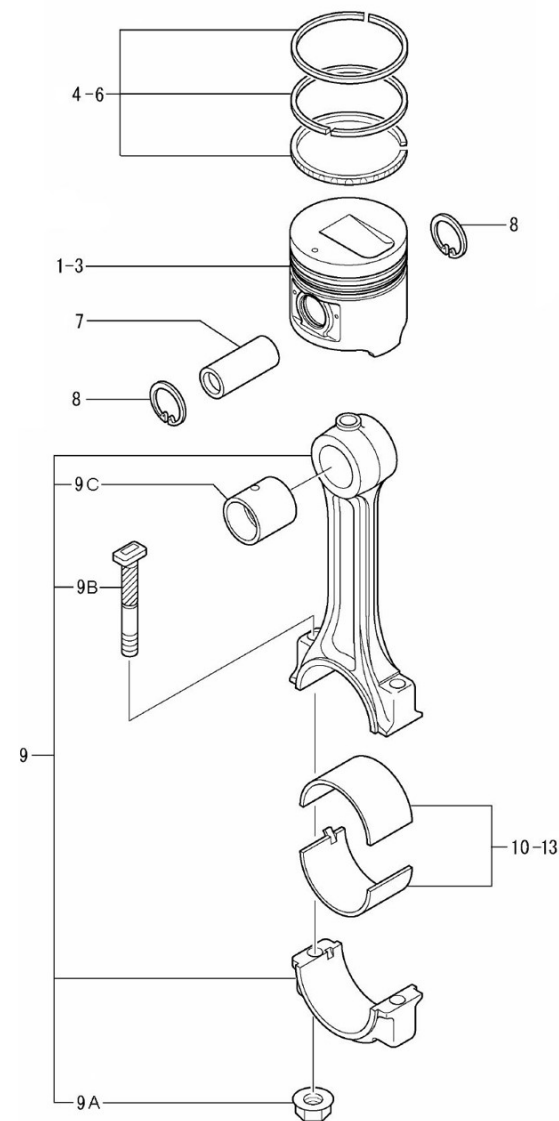


| D_GP01_1_7                   |              |      |                              |     |      | Flywheel Housing |
|------------------------------|--------------|------|------------------------------|-----|------|------------------|
| Fig.                         | Ref.         | Qty. | Descr.                       | Obs | From | UpTo             |
| 1A                           | 17420002G.3  | 1    | Flyweel Housing              |     |      |                  |
| Figure A for Standard System |              |      |                              |     |      |                  |
| 1B                           | 17A20007G.3  | 1    | Flyweel Housing Pickup       |     |      |                  |
| Figure b for Parallel System |              |      |                              |     |      |                  |
| 2                            | 17420025     | 1    | Gasket,Rear                  |     |      |                  |
| 3                            | 17327129.2   | 10   | Bolt                         |     |      |                  |
| 4                            | 17420028G.1  | 2    | Bolt,W/Washer (Generator)    |     |      |                  |
| 5                            | 13320063     | 1    | Seal Oil                     |     |      |                  |
| 6                            | 13320067     | 2    | Stud                         |     |      |                  |
| 7                            | 17827003     | 2    | Nut                          |     |      |                  |
| 8                            | MHF251510000 | 2    | WASHER, SPRING               |     |      |                  |
| 9                            | 52211454     | 2    | Stud ALLEN DIN913 M16x1,5-16 |     |      |                  |
| 11                           | 13224045     | 1    | Plug                         |     |      |                  |
| 12                           | 56000077     | 1    | Washer 18-23-1,5             |     |      |                  |
| 13B                          | 60972519     | 1    | Magnetic Speed Sensor        |     |      |                  |
| Figure b for Parallel System |              |      |                              |     |      |                  |



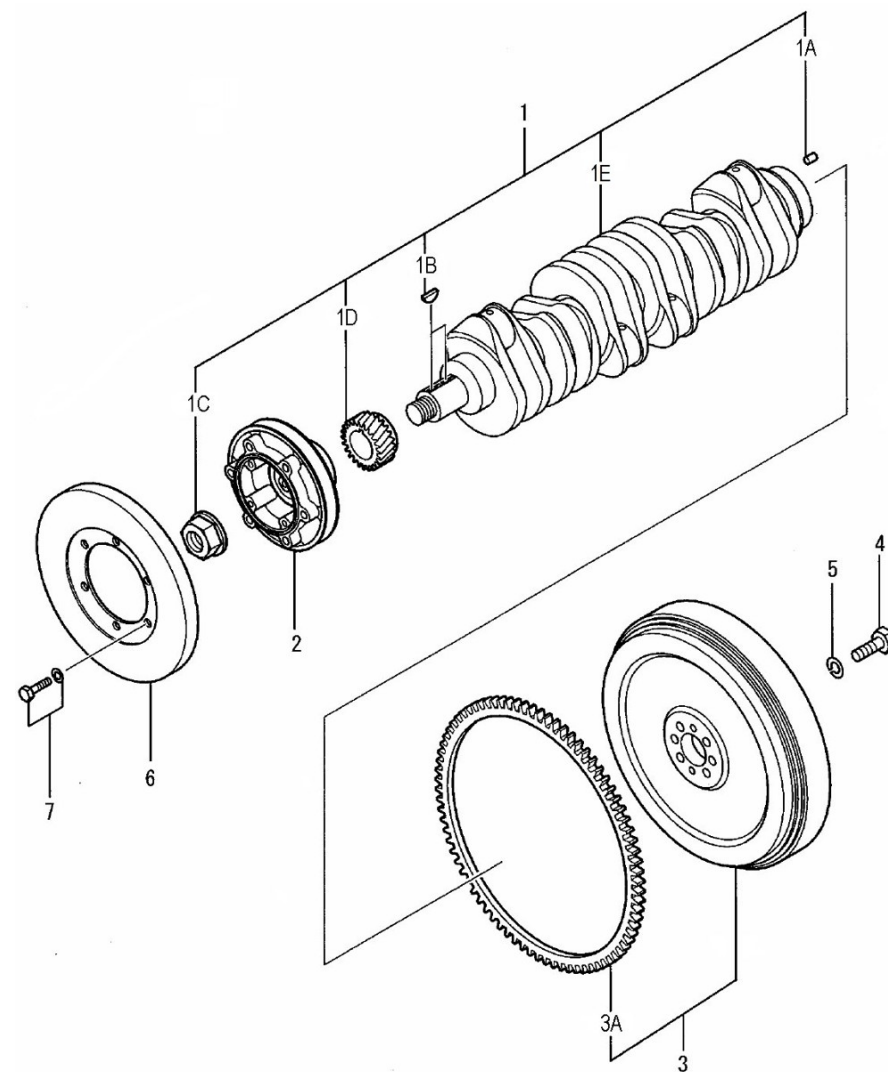
**D\_GP01\_1\_8**      **Piston & Connectiong Rod**

| Fig. | Ref.     | Qty. | Descr.                 | Obs | From | UpTo |
|------|----------|------|------------------------|-----|------|------|
| 1    | 17A22001 | 6    | Piston STD             |     |      |      |
| 2    | 17A22002 | 6    | Piston +0,25           |     |      |      |
| 3    | 17A22003 | 6    | Piston +0,50           |     |      |      |
| 4    | 17422006 | 6    | Ring Set,Piston STD.   |     |      |      |
| 5    | 17422007 | 6    | Ring,Piston O.S 0,25   |     |      |      |
| 6    | 17422008 | 6    | Ring,Piston O.S 0,50   |     |      |      |
| 7    | 17422009 | 6    | Pin,Piston             |     |      |      |
| 8    | 17422010 | 12   | Ring,Snap              |     |      |      |
| 9    | 17822012 | 6    | Rod Assy. Connecting   |     |      |      |
| 9A   | 17822011 | 12   | Nut                    |     |      |      |
| 9B   | 17122013 | 12   | Bolt,connecting rod    |     |      |      |
| 9C   | 17422033 | 6    | Bushing,Con-Rod        |     |      |      |
| 10   | 17522014 | 1    | METAL Set,CONROD STD   |     |      |      |
| 11   | 17522015 | 1    | METAL Set,CONROD -0,25 |     |      |      |
| 12   | 17522016 | 1    | METAL Set,CONROD -0,50 |     |      |      |
| 13   | 17522017 | 1    | METAL Set,CONROD -0,75 |     |      |      |

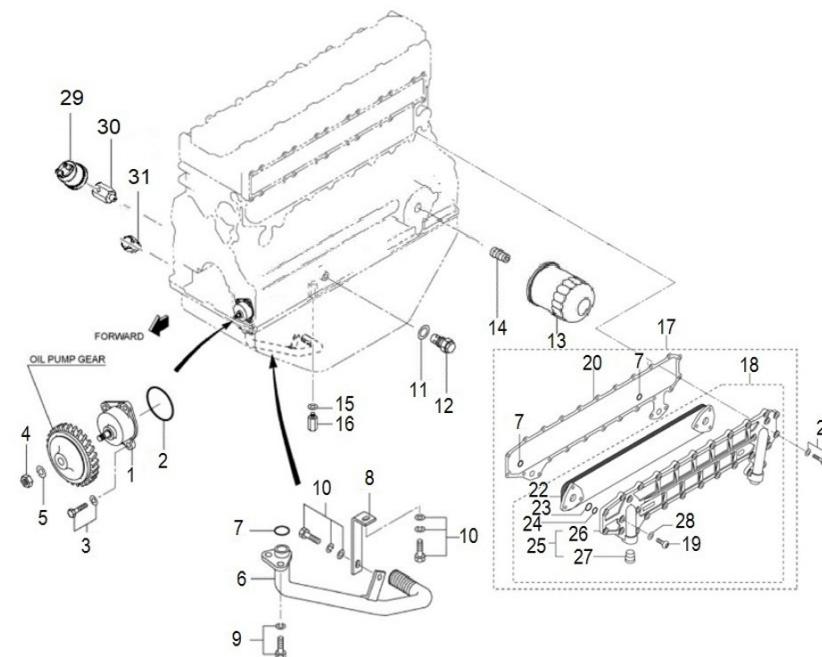


**D\_GP01\_1\_9 Crankshaft & Flywheel**

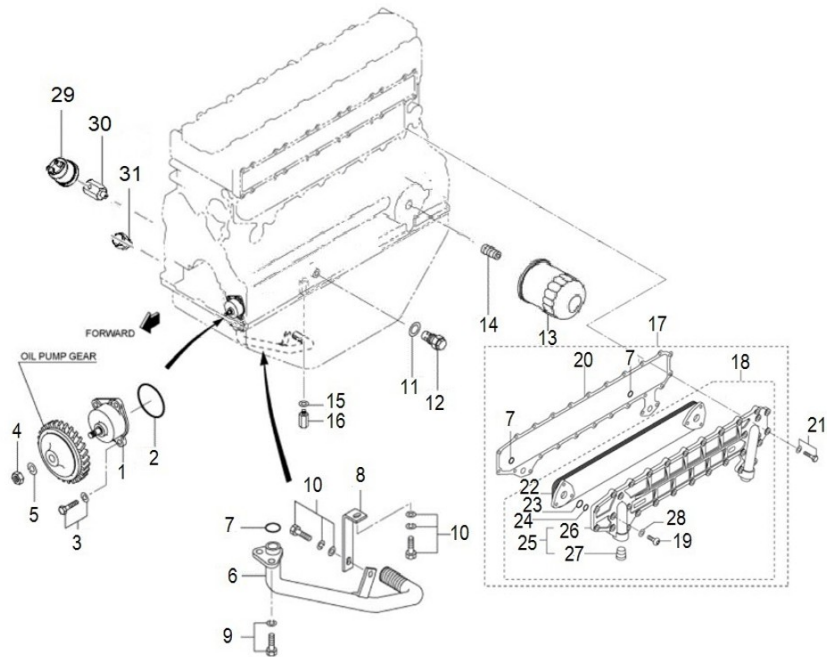
| Fig. | Ref.         | Qty. | Descr.                        | Obs | From | UpTo |
|------|--------------|------|-------------------------------|-----|------|------|
| 1    | 17A22012     | 1    | CrankShaft Assy               |     |      |      |
| 1A   | 13322059     | 2    | Pin                           |     |      |      |
| 1B   | 13322034     | 2    | Key Woodruff                  |     |      |      |
| 1C   | 17A22026     | 1    | Nut Crankshaft                |     |      |      |
| 1D   | 17822019     | 1    | Gear, CrankShaft              |     |      |      |
| 1E   | 17A22013     | 1    | CrankShaft                    |     |      |      |
| 2    | 17422024G    | 1    | Pulley,CrankShaft (Generator) |     |      |      |
| 3    | 17522027     | 1    | Flywheel Assy                 |     |      |      |
| 3A   | 17422029     | 1    | Gear,Ring Z=122               |     |      |      |
| 4    | 13322065     | 6    | Bolt                          |     |      |      |
| 5    | MHF251512000 | 6    | WASHER,SPRING                 |     |      |      |
| 6    | 17522076     | 1    | Damper,TORSIONAL              |     |      |      |
| 7    | 17522077     | 6    | Bolt,W/Washer                 |     |      |      |



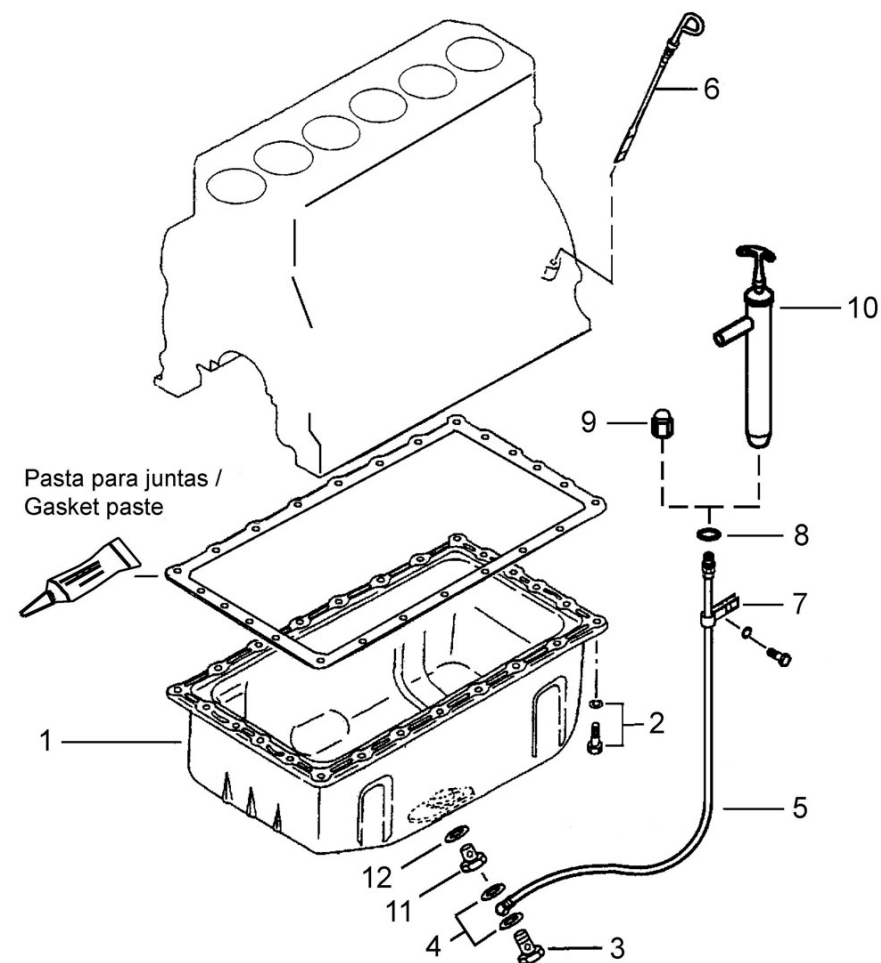
| D_GP01_1_10 |              | Oil Sysem |                                 |            |            |
|-------------|--------------|-----------|---------------------------------|------------|------------|
| Fig.        | Ref.         | Qty.      | Descr.                          | Obs        | From UpTo  |
| 1           | 17524040     | 1         | Pump Assy,Oil                   |            |            |
| 2           | 17424055     | 1         | O-Ring D. 60X2                  |            |            |
| 3           | 17421012G.1  | 4         | Bolt W/Washer (Generator)       |            |            |
| 4           | 13122045     | 1         | Nut                             |            |            |
| 5           | MHF251510000 | 1         | WASHER, SPRING                  |            |            |
| 6           | 17524052     | 1         | STrainer,Oil                    |            |            |
| 7           | 17424060     | 3         | O-Ring D. 22X2,4                |            |            |
| 8           | 17524053     | 1         | STAY,Oil STrainer               |            |            |
| 9           | 17422037G.1  | 2         | Bolt W/Washer (Generator)       |            |            |
| 10          | 52102256     | 2         | Bolt DIN 933 M8-16 8.8          |            |            |
| 11          | 17124071     | 1         | Valve, Assy                     |            | 06/02/2020 |
| 11          | 17124072     | 1         | Valve, Assy                     | 06/02/2020 |            |
| 11          | 17424063     | 1         | Gasket                          |            |            |
| 13          | 17524051     | 1         | Oil Filter Element SM-75/90/105 |            |            |
| 14          | 17424054     | 1         | Union,Oil Filter                |            |            |
| 15          | 17420017     | 1         | Gasket                          |            |            |
| 16          | 17824071     | 1         | Valve, Assy                     |            |            |
| 17          | 17A22109     | 1         | Ensemble refroid. Huile         |            |            |
| 18          | 17A22110     | 1         | Ensemble refroid. Huile         |            |            |
| 19          | 17A22118     | 6         | Bolt                            |            |            |
| 20          | 17524035     | 1         | Gasket,Oil Cooler               |            |            |
| 21          | 17A22116     | 25        | Bolt                            |            |            |
| 22          | 17A22114     | 1         | Élément Refroid. Huile          |            |            |
| 23          | 17520072     | 2         | O-Ring D. 42X3,4                |            |            |
| 24          | 17520017     | 2         | O-Ring D. 30X3,4                |            |            |
| 25          | 17A22111     | 1         | Corp Refroidisseur Huile        |            |            |
| 26          | (*)          | 1         | Not available                   |            |            |
| 27          | 17A22117     | 2         | Plug                            |            |            |
| 28          | 17524007     | 6         | Gasket                          |            |            |
| 29          | 60900987     | 1         | Sender, Oil Press.              |            |            |
| 30          | 17117052     | 1         | Oil Pressure Sensor Adaptor     |            |            |



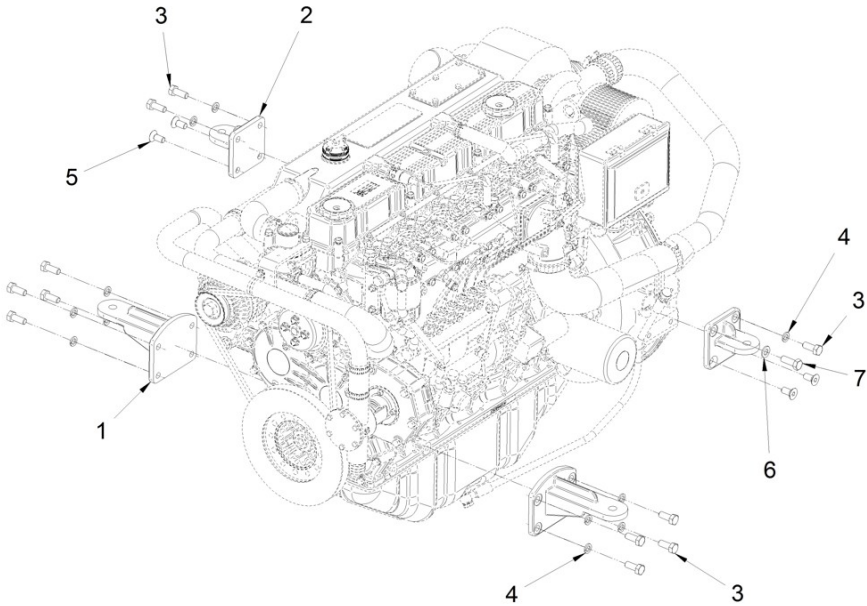
| D_GP01_1_10 Oil Sysem |          |      |                                 |     |           |
|-----------------------|----------|------|---------------------------------|-----|-----------|
| Fig.                  | Ref.     | Qty. | Descr.                          | Obs | From UpTo |
| 31                    | 60900978 | 1    | Switch, Oil Press 0.4 Bar M10x1 |     |           |



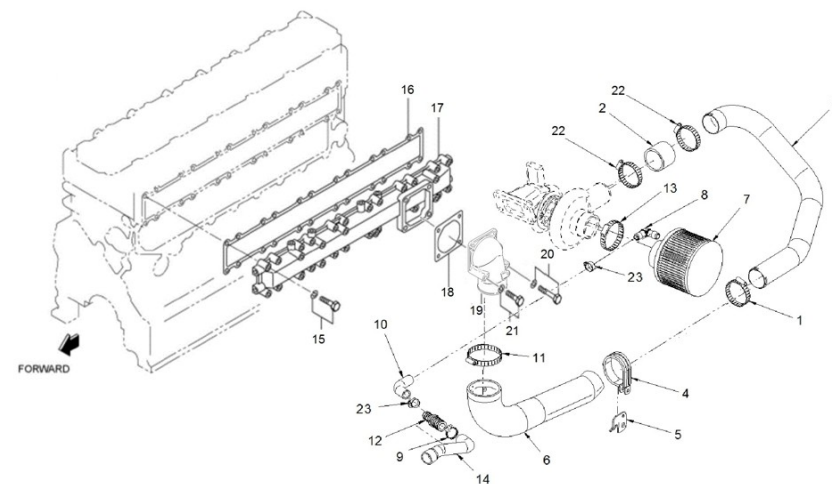
| D_GP01_1_11 |          | Oil Pan |                     |     |      |      |
|-------------|----------|---------|---------------------|-----|------|------|
| Fig.        | Ref.     | Qty.    | Descr.              | Obs | From | UpTo |
| 1           | 17520030 | 1       | Pan Assy,Oil        |     |      |      |
| 2           | 17821012 | 30      | Bolt,W/Washer       |     |      |      |
| 3           | 12814051 | 1       | Screw,eye           |     |      |      |
| 4           | 56000069 | 2       | Washer 14-20-1,5    |     |      |      |
| 5           | 18014021 | 1       | Extraction Hose     |     |      |      |
| 6           | 17520029 | 1       | Gauge Oil Level     |     |      |      |
| 7           | 17214022 | 1       | Bracket, Pipe       |     |      |      |
| 8           | 56000217 | 1       | Washer 13-20-3      |     |      |      |
| 9           | 16514020 | 1       | Plug                |     |      |      |
| 10          | 14714001 | 1       | Oil Extraction Pump |     |      |      |
| 11          | 17514001 | 1       | Plug                |     |      |      |
| 12          | 56000083 | 1       | Washer 21-26-1,5    |     |      |      |



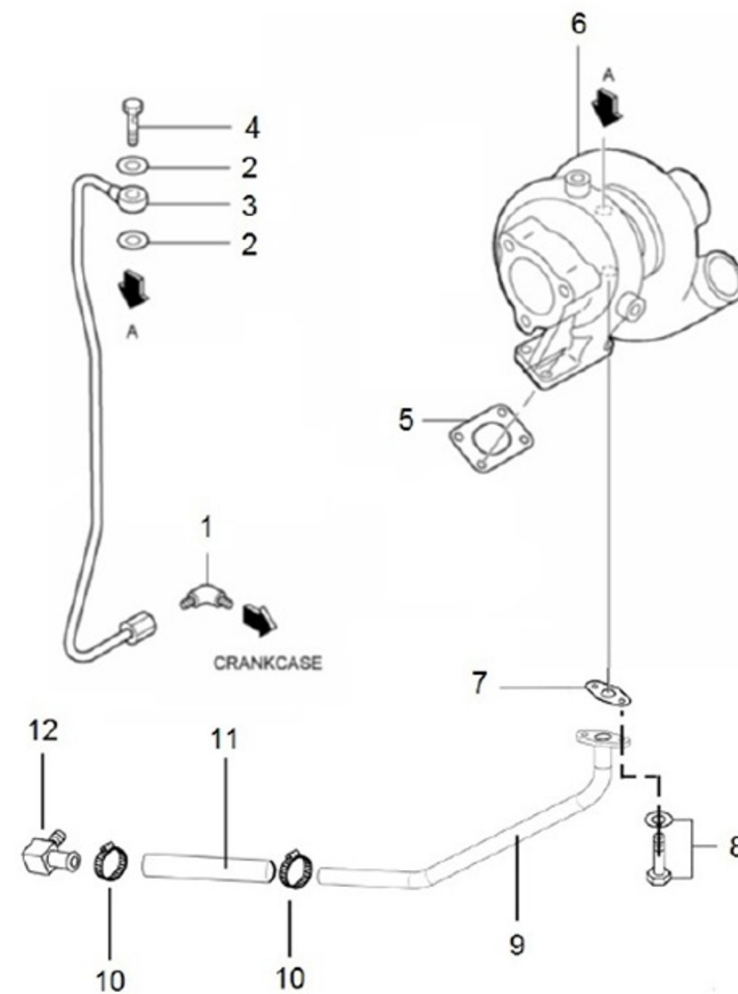
| D_GP01_1_12 |            | Engine Brackets |                           |     |      |      |
|-------------|------------|-----------------|---------------------------|-----|------|------|
| Fig.        | Ref.       | Qty.            | Descr.                    | Obs | From | UpTo |
| 1           | 17410001.2 | 2               | Front Bracket             |     |      |      |
| 2           | 17510003   | 2               | REAR Bracket              |     |      |      |
| 3           | 52102359   | 11              | Bolt DIN 933 M12-30 8.8   |     |      |      |
| 4           | 53033012   | 11              | Washer Grower DIN 127-12  |     |      |      |
| 5           | 53105359   | 4               | Bolt DIN 7991 M12-30 12.9 |     |      |      |
| 6           | 51030012   | 1               | Washer DIN 125-12         |     |      |      |
| 7           | 52102360   | 1               | Bolt DIN 933 M12-35 8.8   |     |      |      |



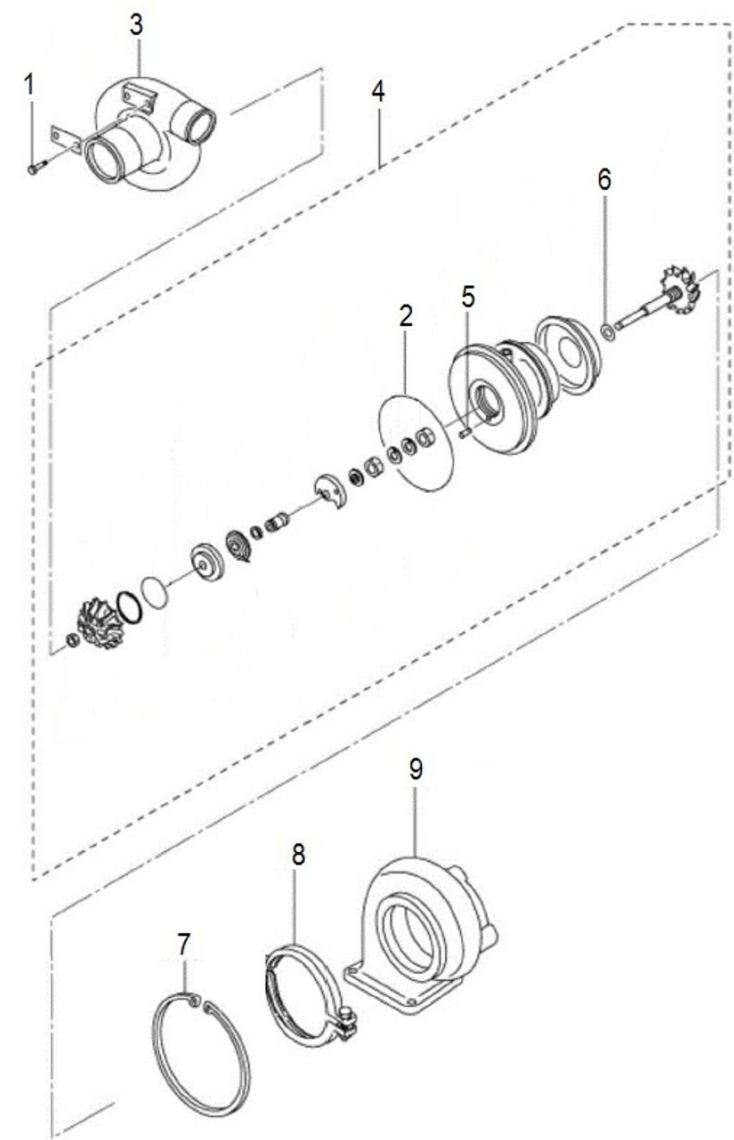
| D_GP01_2_1 |             | Inlet |                                |     |      |      |
|------------|-------------|-------|--------------------------------|-----|------|------|
| Fig.       | Ref.        | Qty.  | Descr.                         | Obs | From | UpTo |
| 1          | 54082050    | 4     | Clamp DIN 3017 50-70/12 W4     |     |      |      |
| 2          | 17A10034    | 1     | Silicone Hose Straight D50 L65 |     |      |      |
| 3          | 17A10018    | 1     | Air Pipe D50                   |     |      |      |
| 4          | 59071604    | 1     | Clamp 1 60/20 W1               |     |      |      |
| 5          | 17A10033    | 1     | Flat Bracket 3 holes           |     |      |      |
| 6          | 17A24066    | 1     | Elbow,Air Inlet                |     |      |      |
| 7          | 17810012    | 1     | Air Filter                     |     |      |      |
| 8          | 17810013    | 1     | Elbow,Frared Tube              |     |      |      |
| 9          | 54081016    | 1     | Clamp DIN 3017 16-27/9 W4      |     |      |      |
| 10         | 17A10008    | 1     | Eng. Exit Breather Hose        |     |      |      |
| 11         | 17A24067    | 1     | Clamp                          |     |      |      |
| 12         | 17A10009    | 1     | Pond Pipe Reducer D16-D25      |     |      |      |
| 13         | 54082060    | 1     | Clamp DIN 3017 60-80/12 W4     |     |      |      |
| 14         | 17A21010    | 1     | Hose, Breather                 |     |      |      |
| 15         | 17421014G.1 | 24    | Bolt W/Washer (Generator)      |     |      |      |
| 16         | 17521032    | 1     | Gasket,IN.MANIFOLD             |     |      |      |
| 17         | 17A24065    | 1     | COUV.Collecteur                |     |      |      |
| 18         | 17421042    | 1     | Gasket                         |     |      |      |
| 19         | 17521029    | 1     | Elbow,Air Inlet                |     |      |      |
| 20         | 17420062G.1 | 2     | Bolt,W/Washer (Generator)      |     |      |      |
| 21         | 17421012G.1 | 2     | Bolt W/Washer (Generator)      |     |      |      |
| 22         | 54082040    | 2     | Clamp DIN 3017 40-60/12 W4     |     |      |      |
| 23         | 54081012    | 2     | Clamp DIN 3017 12-22/9 W4      |     |      |      |



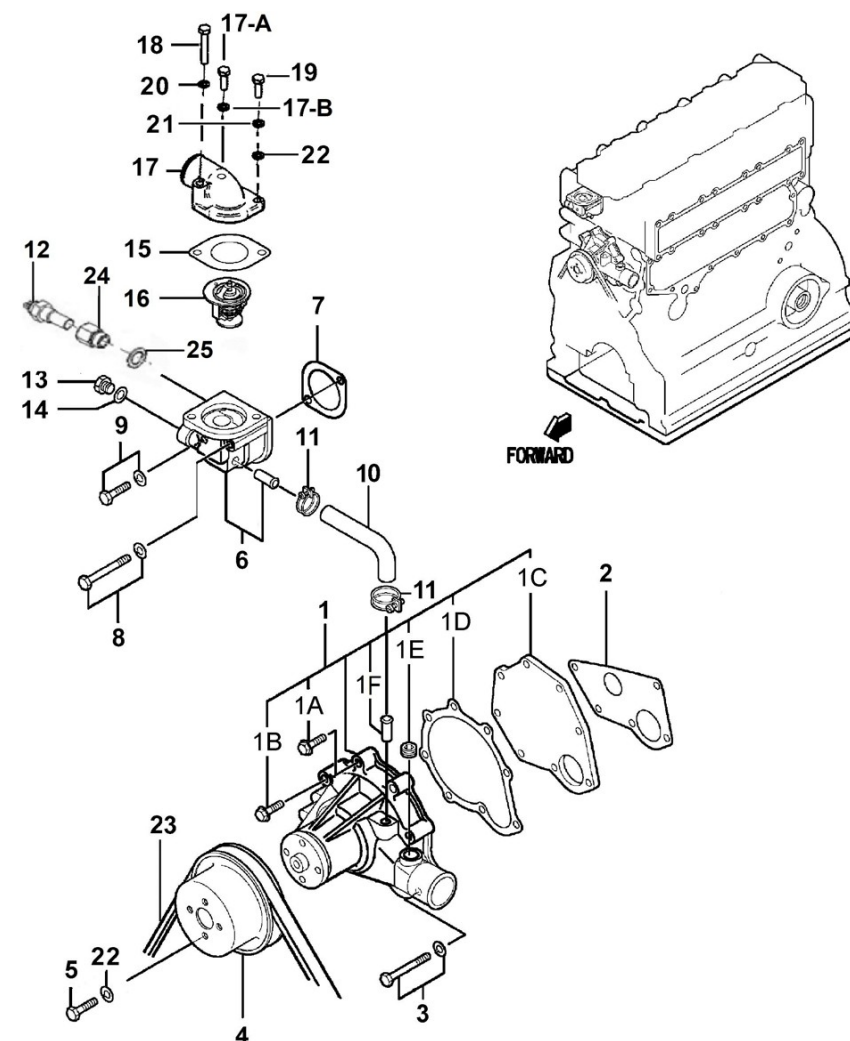
| D_GP01_2_2 |          | Turbocharger |                           |     |      |      |
|------------|----------|--------------|---------------------------|-----|------|------|
| Fig.       | Ref.     | Qty.         | Descr.                    | Obs | From | UpTo |
| 1          | 17121016 | 1            | Plug, drain               |     |      |      |
| 2          | 17124056 | 2            | Gasket                    |     |      |      |
| 3          | 17712006 | 1            | Pipe                      |     |      |      |
| 4          | 17828006 | 1            | Bolt, Eye                 |     |      |      |
| 5          | 17A13002 | 1            | Exhaust Gasket            |     |      |      |
| 6          | 17A28002 | 1            | Turbocharger, Assy        |     |      |      |
| 7          | 17712004 | 1            | Gasket                    |     |      |      |
| 8          | 52102156 | 2            | Bolt DIN 933 M6-16 8.8    |     |      |      |
| 9          | 17A12005 | 1            | Oil Turbocharged Pipe     |     |      |      |
| 10         | 54081020 | 2            | Clamp DIN 3017 20-32/9 W4 |     |      |      |
| 11         | 17728007 | 1            | Hose,Oil                  |     |      |      |
| 12         | 17728008 | 1            | Elbow                     |     |      |      |



| D_GP01_2_3 Spare Parts, Turbocharger |             |      |                         |                                                                                   |           |
|--------------------------------------|-------------|------|-------------------------|-----------------------------------------------------------------------------------|-----------|
| Fig.                                 | Ref.        | Qty. | Descr.                  | Obs                                                                               | From UpTo |
| 1                                    | 17A28012.11 | 2    | Rivet                   |                                                                                   |           |
| 2                                    | 17728002.4  | 1    | Gasket,TURBO            |                                                                                   |           |
| 3                                    | 17A28002.8  | 1    | Turbocharger, Conch     |                                                                                   |           |
| 4                                    | 17A28002.9  | 1    | Core Assembly, Turbo    |                                                                                   |           |
| 5                                    | 17728002.7  | 1    | Pin                     |                                                                                   |           |
| 6                                    | 17A28002.10 | 1    | Washer                  |                                                                                   |           |
| 7                                    | 17A28012.10 | 1    | Ring Snap               |                                                                                   |           |
| 8                                    | 17A28012.12 | 1    | Clamp                   |                                                                                   |           |
| 9                                    | 17A28012.1  | 1    | Case, Turbine           |                                                                                   |           |
| NS                                   | 17A28011    | 1    | Turbocharger Repair Kit |  |           |

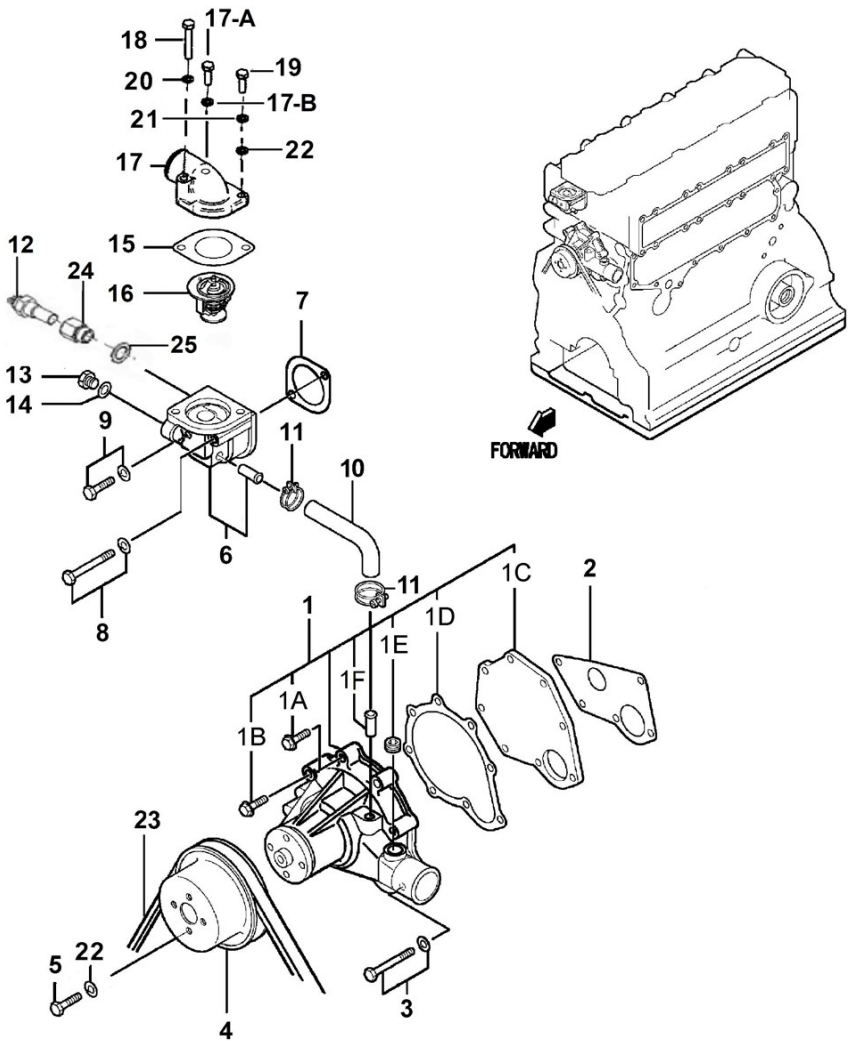


| D_GP01_3_1 |              | Water Pump |                            |     |            |
|------------|--------------|------------|----------------------------|-----|------------|
| Fig.       | Ref.         | Qty.       | Descr.                     | Obs | From UpTo  |
| 1          | 17421020G    | 1          | Fresh Water Assy (tube 10) |     |            |
| 1A         | 17122051     | 1          | Bolt, w/washer             |     |            |
| 1B         | MHF180508035 | 2          | BOLT, WASHER ASSY          |     |            |
| 1C         | 17421043     | 1          | Cover,Water Pump           |     |            |
| 1D         | 17421022     | 1          | Gasket,Pump Cover          |     |            |
| 1E         | (*)          | 2          | Not available              |     |            |
| 2          | 17421041     | 1          | Gasket,Side Cover          |     |            |
| 3          | 17421039G.1  | 5          | Bolt,W/Washer (Generator)  |     |            |
| 4          | 17421021G    | 1          | Pulley,Water Pump          |     |            |
| 5          | 52102257     | 4          | Bolt DIN 933 M8-20 8.8     |     |            |
| 6          | 17421037     | 1          | Case Assy,Thermostat       |     |            |
| 7          | 17421016G.1  | 1          | Gasket(Generator)          |     | 28/01/2020 |
| 7          | 17421016G.2  | 1          | Gasket (Generator)         |     | 28/01/2020 |
| 8          | 17821038     | 1          | Bolt, Flange               |     |            |
| 9          | 17821039     | 1          | Bolt, Flange               |     |            |
| 10         | 17421025     | 1          | Hose,BY-PASS               |     |            |
| 11         | 17121036     | 2          | Clamp, hose                |     |            |
| 12         | 60900982     | 1          | Temperature Sender Bipolar |     |            |
| 13         | 17121016     | 2          | Plug, drain                |     |            |
| 14         | 17121013     | 13         | Gasket                     |     |            |
| 15         | 17821031     | 1          | Gasket                     |     |            |
| 16         | 17121027     | 1          | Thermostat                 |     |            |
| 17         | 17111020     | 1          | Fitting,water outlet       |     |            |
| 17A        | 13811035     | 1          | Bolt,bleed                 |     |            |
| 17B        | 56000053     | 1          | Washer 6-10-1,5            |     |            |
| 18         | 52101263     | 1          | Bolt DIN 931 M8-50 8.8     |     |            |
| 19         | 52102259     | 2          | Bolt DIN 933 M8-30 8.8     |     |            |
| 20         | 53038008     | 1          | Washer DIN 6798-A 8        |     |            |
| 21         | 51030005     | 1          | Washer DIN 125-5           |     |            |
| 22         | 53033008     | 1          | Washer GROWER DIN 127-8    |     |            |
| 23         | 17421028G    | 1          | Belt Type BX 44 1160       |     |            |

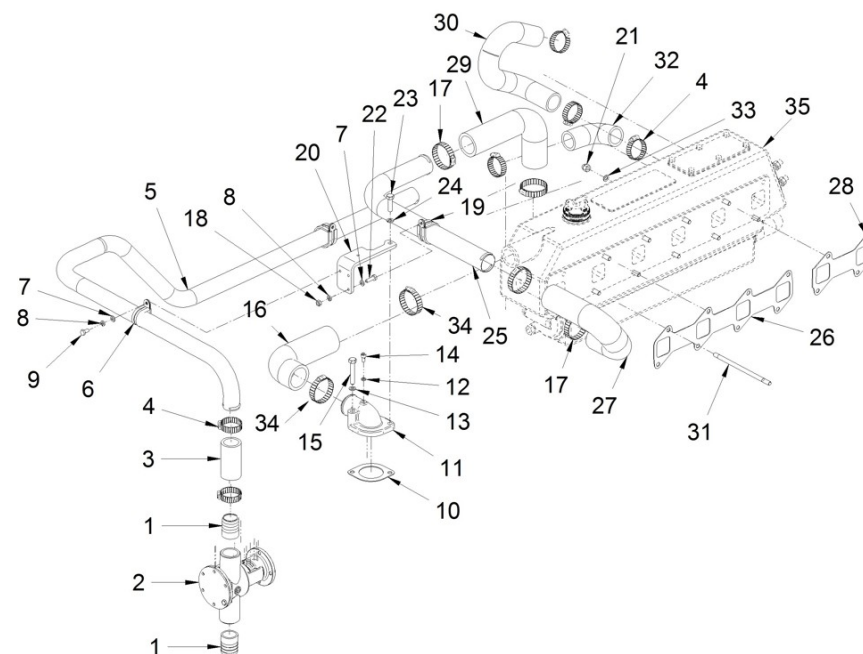


D\_GP01\_3\_1 Water Pump

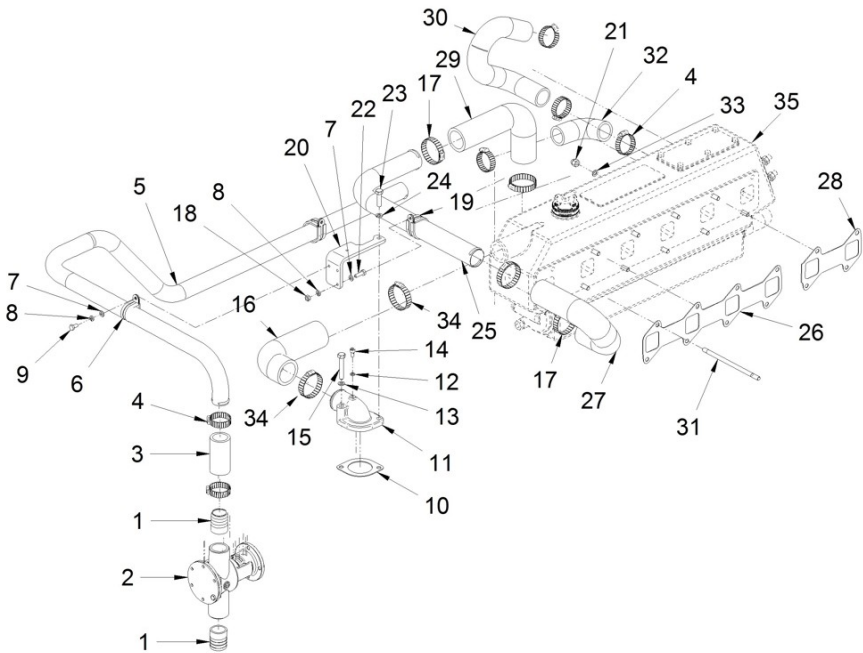
| Fig. | Ref.       | Qty. | Descr.                              | Obs | From | UpTo |
|------|------------|------|-------------------------------------|-----|------|------|
| 24   | 60900999.1 | 1    | Connection M14X1,5 5/8" EXA.19 L=25 |     |      |      |
| 25   | 56000073   | 1    | Copper Washer 16-23-1,5             |     |      |      |



| D_GP01_3_2 |            | Cooler Pipes |                                        |     |      |      |
|------------|------------|--------------|----------------------------------------|-----|------|------|
| Fig.       | Ref.       | Qty.         | Descr.                                 | Obs | From | UpTo |
| 1          | 60180007   | 1            | Outlet Coupling                        |     |      |      |
| 2          | 37811000   | 1            | Cross Brace Pump 1" SM-82/94 Gen.SM-81 |     |      |      |
| 3          | 13611038   | 1            | Pipe 30-40-75                          |     |      |      |
| 4          | 54082025   | 6            | Clamp DIN 3017 25-40/12 W4             |     |      |      |
| 5          | 17A11011   | 1            | Brass Pipe D32                         |     |      |      |
| 6          | 59071304   | 2            | Clamp RSGU 1 30/15 W1                  |     |      |      |
| 7          | 51030006   | 2            | Washer DIN 125-6                       |     |      |      |
| 8          | 53033006   | 2            | Washer GROWER DIN 127-6                |     |      |      |
| 9          | 52102155   | 2            | Bolt DIN 933 M6-12 8.8                 |     |      |      |
| 10         | 17111021   | 1            | Gasket                                 |     |      |      |
| 11         | 17111020   | 1            | Fitting,water outlet                   |     |      |      |
| 12         | 56000053   | 1            | Washer 6-10-1,5                        |     |      |      |
| 13         | 53038008   | 1            | Washer DIN 6798-A 8                    |     |      |      |
| 14         | 13811035   | 1            | Bolt,bleed                             |     |      |      |
| 15         | 52101263   | 1            | Bolt DIN 931 M8-50 8.8                 |     |      |      |
| 16         | 17411013   | 1            | Thermostat Water Outlet Elbow          |     |      |      |
| 17         | 54082032   | 3            | Clamp DIN 3017 32-50/12 W4             |     |      |      |
| 18         | 52120006   | 1            | Nut DIN 934 M6 8.8                     |     |      |      |
| 19         | 59071383   | 1            | Clamp TYP.1 38/15 W1                   |     |      |      |
| 20         | 17A11014.1 | 1            | Bracket                                |     |      |      |
| 21         | 55122008   | 12           | Nut DIN 1587 M8                        |     |      |      |
| 22         | 52102157   | 1            | Bolt DIN 933 M6-20 8.8                 |     |      |      |
| 23         | 52102259   | 1            | Bolt DIN 933 M8-30 8.8                 |     |      |      |
| 24         | 53033008   | 1            | Washer GROWER DIN 127-8                |     |      |      |
| 25         | 17011022   | 1            | Pipe,from cooler to engine             |     |      |      |
| 26         | 17421035   | 1            | Gasket,Exhaust Manifold                |     |      |      |
| 27         | 16711016   | 1            | Rubber Elbow                           |     |      |      |
| 28         | 17521035   | 1            | Gasket                                 |     |      |      |
| 29         | 17511013   | 1            | Elbow                                  |     |      |      |
| 30         | 17811034   | 1            | Rubber Wet Exhaust Inlet Bend          |     |      |      |
| 31         | 17411015   | 12           | Stud                                   |     |      |      |

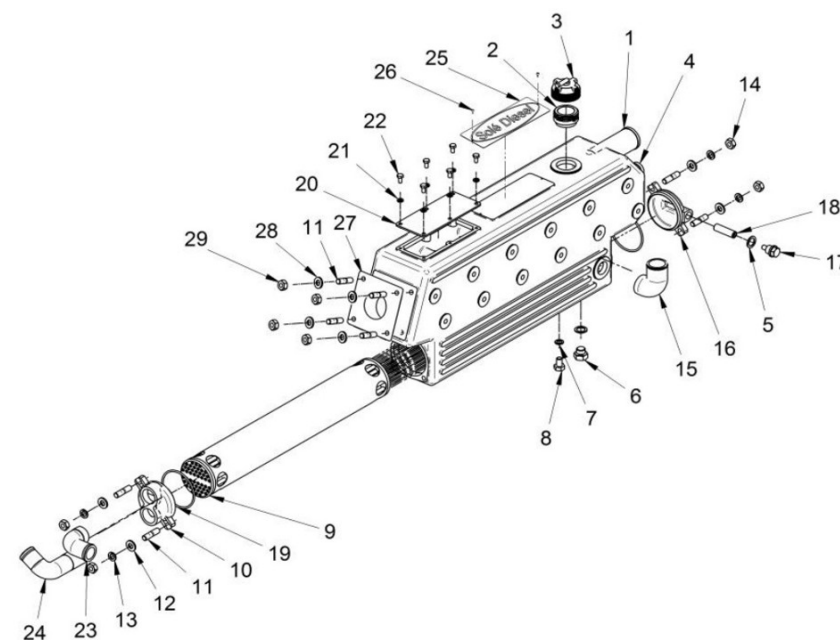


| D_GP01_3_2 Cooler Pipes |             |      |                            |     |           |
|-------------------------|-------------|------|----------------------------|-----|-----------|
| Fig.                    | Ref.        | Qty. | Descr.                     | Obs | From UpTo |
| 32                      | 17411035    | 1    | Elbow Rubber               |     |           |
| 33                      | 56000057    | 12   | Washer 8-13-1,5            |     |           |
| 34                      | 54082040    | 2    | Clamp DIN 3017 40-60/12 W4 |     |           |
| 35                      | 17A11000REC | 1    | Water Cooler Assy SM-81    |     |           |

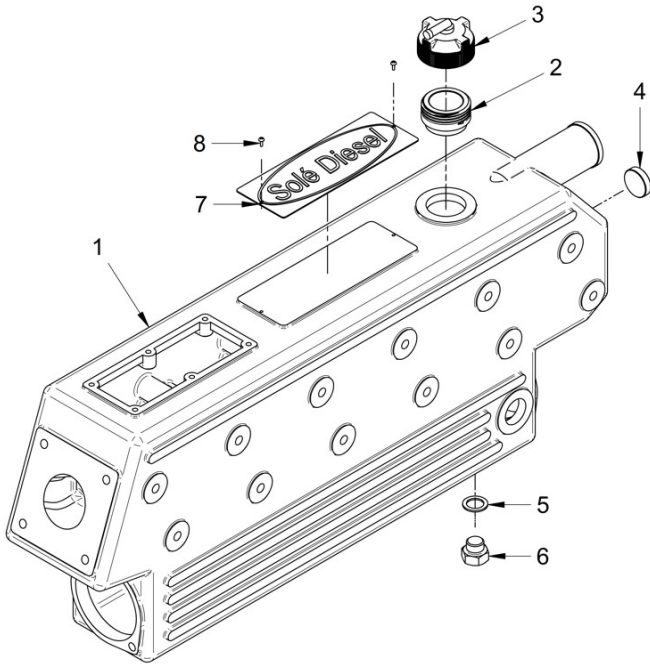


**D\_17A11000REC      Water Cooler Assy SM-81**

| Fig. | Ref.     | Qty. | Descr.                    | Obs | From | UpTo |
|------|----------|------|---------------------------|-----|------|------|
| 1    | 17A11001 | 1    | Body, Water Cooler        |     |      |      |
| 2    | 17411004 | 1    | Adapter, MTA Cap          |     |      |      |
| 3    | 13811010 | 1    | Cap                       |     |      |      |
| 4    | 12113092 | 1    | Plug                      |     |      |      |
| 5    | 56000073 | 2    | Copper Washer 16-23-1,5   |     |      |      |
| 6    | 12111076 | 1    | Plug                      |     |      |      |
| 7    | 56000061 | 1    | Washer 10-16-1,5          |     |      |      |
| 8    | 54102306 | 1    | Bolt DIN 933 M10-16 INOX. |     |      |      |
| 9    | 19011004 | 1    | Tubular Bundle            |     |      |      |
| 10   | 17411003 | 1    | Water Cooler Cover        |     |      |      |
| 11   | 16511007 | 4    | Stud                      |     |      |      |
| 12   | 51030010 | 4    | Washer DIN 125-10         |     |      |      |
| 13   | 53033010 | 4    | Washer GROWER DIN 127-10  |     |      |      |
| 14   | 54120010 | 4    | Nut DIN 934 M10           |     |      |      |
| 15   | 17111011 | 1    | Elbow 1 1/8"              |     |      |      |
| 16   | 18011002 | 1    | Water Cooler Cover        |     |      |      |
| 17   | 18011009 | 1    | Anode Plug                |     |      |      |
| 18   | 18011031 | 1    | Engine Anode 45 mm M.8    |     |      |      |
| 19   | 18011008 | 2    | O-Ring D. 72X3            |     |      |      |
| 20   | 18211002 | 1    | Cover                     |     |      |      |
| 21   | 53033006 | 6    | Washer GROWER DIN 127-6   |     |      |      |
| 22   | 52102155 | 6    | Bolt DIN 933 M6-12 8.8    |     |      |      |
| 23   | 14711021 | 1    | Elbow N°1                 |     |      |      |
| 24   | 14711030 | 1    | Brass Elbow Connector     |     |      |      |
| 26   | 17111062 | 2    | Bolt                      |     |      |      |
| 27   | 17A13002 | 1    | Exhaust Gasket            |     |      |      |
| 29   | 55120110 | 4    | Nut DIN 934 M10           |     |      |      |

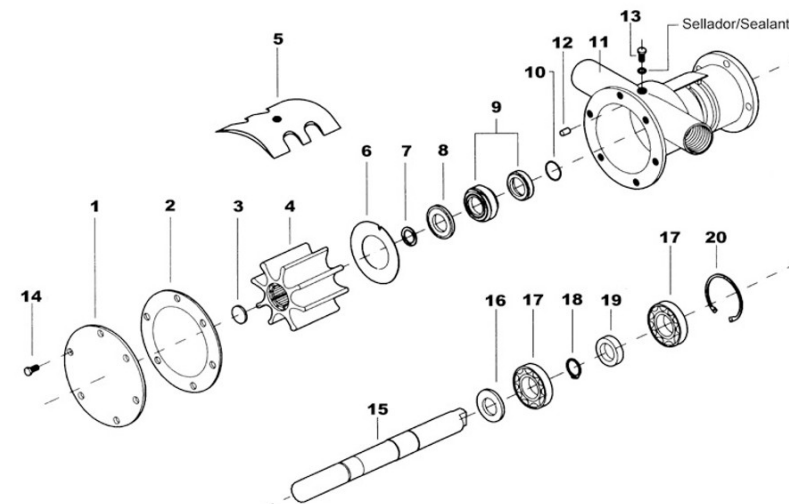


| 17A11001C Body, Water Cooler and Cap |          |      |                         |     |           |
|--------------------------------------|----------|------|-------------------------|-----|-----------|
| Fig.                                 | Ref.     | Qty. | Descr.                  | Obs | From UpTo |
| 1                                    | 17A11001 | 1    | Body, Water Cooler      |     |           |
| 2                                    | 17411004 | 1    | Adapter, MTA Cap        |     |           |
| 3                                    | 13811010 | 1    | Cap                     |     |           |
| 4                                    | 12113092 | 1    | Plug                    |     |           |
| 5                                    | 56000073 | 1    | Copper Washer 16-23-1,5 |     |           |
| 6                                    | 12111076 | 1    | Plug                    |     |           |
| 7                                    | 17111060 | 1    | Plate "SOLE Diesel"     |     |           |
| 8                                    | 17111062 | 2    | Bolt                    |     |           |

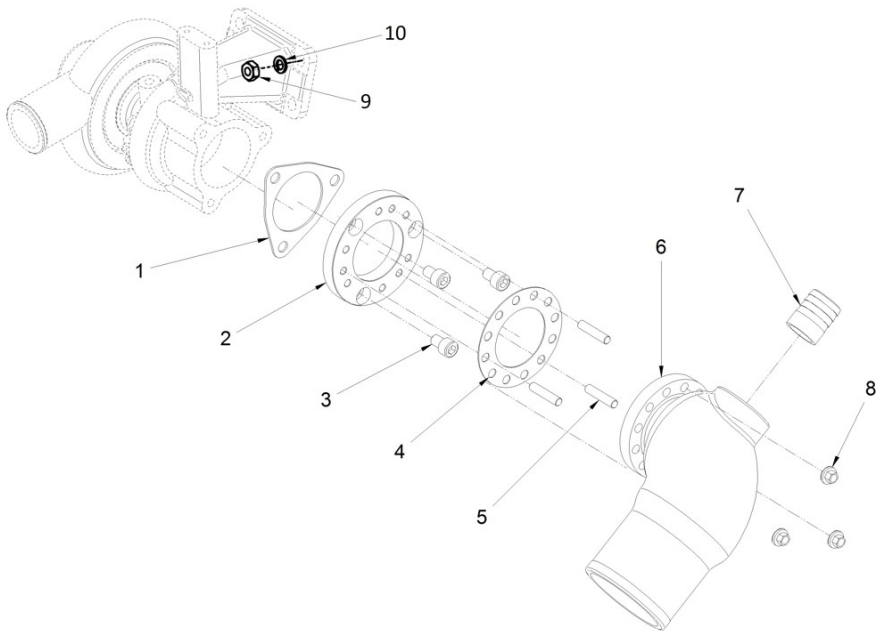


**37811000 Cross Brace Pump 1" SM-82/94 Gen.SM-81**

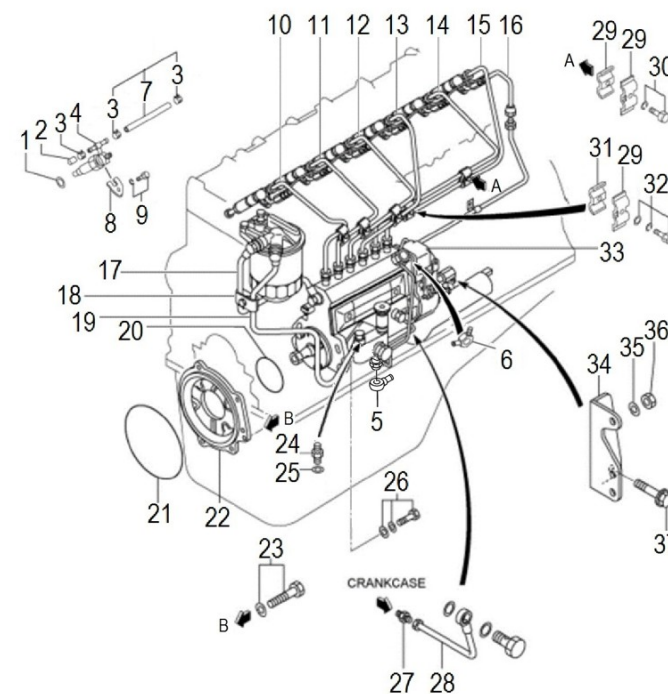
| Fig. | Ref.     | Qty. | Descr.                  | Obs | From | UpTo |
|------|----------|------|-------------------------|-----|------|------|
| 1    | 34711002 | 1    | Cover Pump              |     |      |      |
| 2    | 34711003 | 1    | Gasket Cover            |     |      |      |
| 3    | 34711041 | 1    | Impeller Plug           |     |      |      |
| 4    | 34711008 | 1    | 1" Impeller             |     |      |      |
| 5    | 37811005 | 1    | Cam 6,5 mm              |     |      |      |
| 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    |     |      |      |



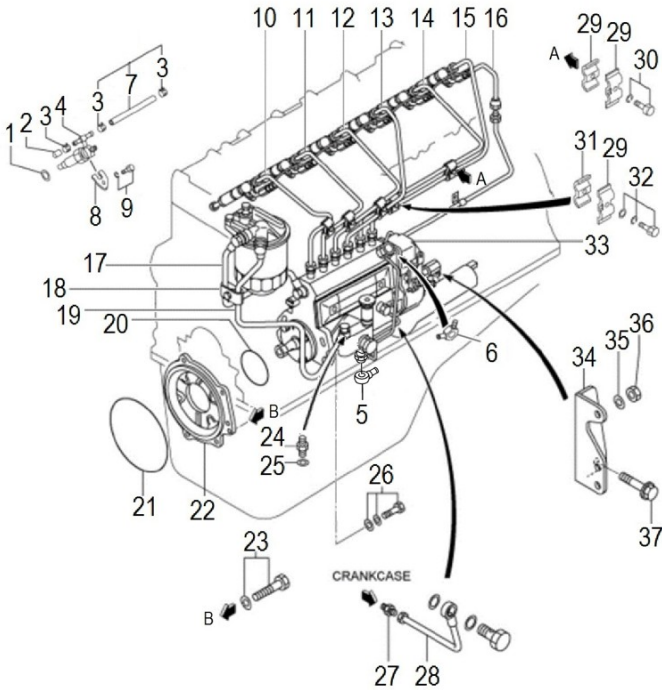
| D_GP01_3_5 |          | Wet Exhaust |                          |     |      |      |
|------------|----------|-------------|--------------------------|-----|------|------|
| Fig.       | Ref.     | Qty.        | Descr.                   | Obs | From | UpTo |
| 1          | 17A21014 | 1           | Turbo Gasket             |     |      |      |
| 2          | 17A13014 | 1           | Coupling                 |     |      |      |
| 3          | 52103306 | 3           | Bolt DIN 912 M10-15 8.8  |     |      |      |
| 4          | 16513016 | 1           | Exhaust Elbow Gasket     |     |      |      |
| 5          | 13311006 | 3           | Stud,cover               |     |      |      |
| 6          | 16513015 | 1           | Elbow, wet exhaust       |     |      |      |
| 7          | 60180007 | 1           | Outlet Coupling          |     |      |      |
| 8          | 51125008 | 3           | Nut Exhaust              |     |      |      |
| 9          | 55120110 | 4           | Nut DIN 934 M10          |     |      |      |
| 10         | 53033010 | 4           | Washer GROWER DIN 127-10 |     |      |      |



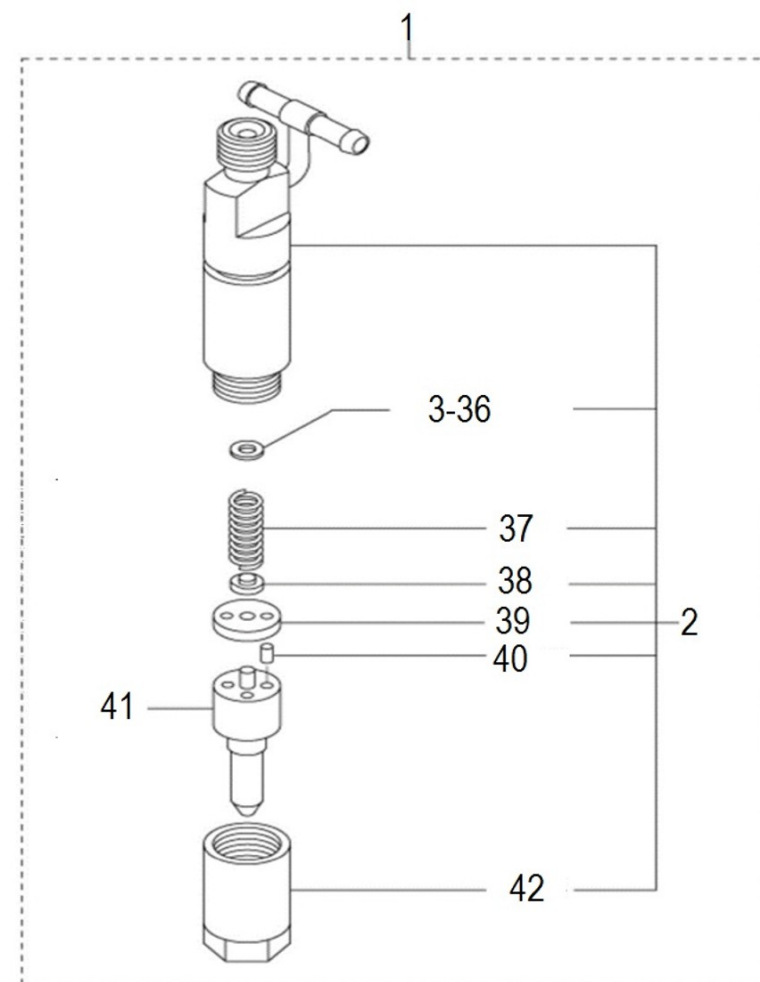
| D_GP01_4_1 |          | Fuel Pipe |                    |     |           |
|------------|----------|-----------|--------------------|-----|-----------|
| Fig.       | Ref.     | Qty.      | Descr.             | Obs | From UpTo |
| 1          | 17024013 | 6         | Gasket Nozzle      |     |           |
| 2          | 17824008 | 1         | Cap                |     |           |
| 3          | 17824006 | 13        | Clip,Hose          |     |           |
| 4          | 17A24004 | 6         | Nozzle Assy        |     |           |
| 5          | 17A24027 | 1         | Nipple, Swiveling  |     |           |
| 6          | 17A25002 | 1         | Nipple             |     |           |
| 7          | 17824005 | 6         | Hose               |     |           |
| 8          | 17824013 | 6         | Support, Nozzle    |     |           |
| 9          | 17822118 | 6         | Bolt, Flange       |     |           |
| 10         | 17A24015 | 1         | Pipe Injection N.1 |     |           |
| 11         | 17A24016 | 1         | Pipe Injection N.2 |     |           |
| 12         | 17A24019 | 1         | Pipe Injection N.3 |     |           |
| 13         | 17A24022 | 1         | Pipe Injection N.4 |     |           |
| 14         | 17A24023 | 1         | Pipe Injection N.5 |     |           |
| 15         | 17A24024 | 1         | Pipe Injection N.6 |     |           |
| 16         | 17A24005 | 1         | Pipe, Fuel         |     |           |
| 17         | 17A24069 | 1         | Pipe, Fuel         |     |           |
| 18         | 17424026 | 1         | Clamp,Pipe         |     |           |
| 19         | 17A24007 | 1         | Hose Fuel          |     |           |
| 20         | 17520075 | 1         | O-Ring D. 75X25    |     |           |
| 21         | 17420047 | 1         | O-Ring D. 140X2    |     |           |
| 22         | 17A25005 | 1         | Flange, inj.pump   |     |           |
| 23         | 17721012 | 1         | Bolt,W/Washer      |     |           |
| 24         | 17A24003 | 1         | Nipple             |     |           |
| 25         | 17424008 | 1         | Washer,Sealing     |     |           |
| 26         | 17425029 | 4         | Bolt,W/Washer      |     |           |
| 27         | 17424032 | 1         | Connector          |     |           |
| 28         | 17524033 | 1         | Pipe,Oil           |     |           |
| 29         | 13124018 | 6         | Clamp (A)          |     |           |
| 30         | 13124017 | 5         | Clamp (B)          |     |           |
| 32         | 17A24025 | 1         | Bolt               |     |           |



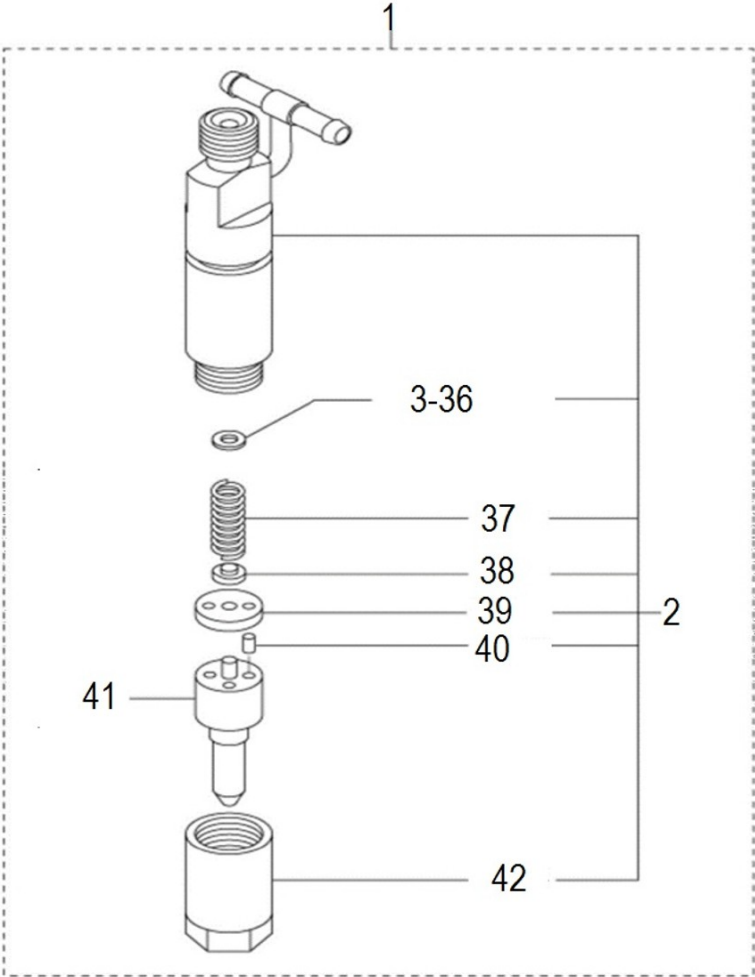
| D_GP01_4_1 Fuel Pipe |          |      |                     |     |           |
|----------------------|----------|------|---------------------|-----|-----------|
| Fig.                 | Ref.     | Qty. | Descr.              | Obs | From UpTo |
| 33                   | 17A25001 | 1    | Fuel Injection Pump |     |           |
| 34                   | 17524034 | 1    | Bracket,INJ Pump    |     |           |
| 35                   | 13321016 | 1    | Washer Spring       |     |           |
| 36                   | 17120049 | 1    | Nut M8              |     |           |
| 37                   | 17425036 | 1    | Bolt,Flange         |     |           |



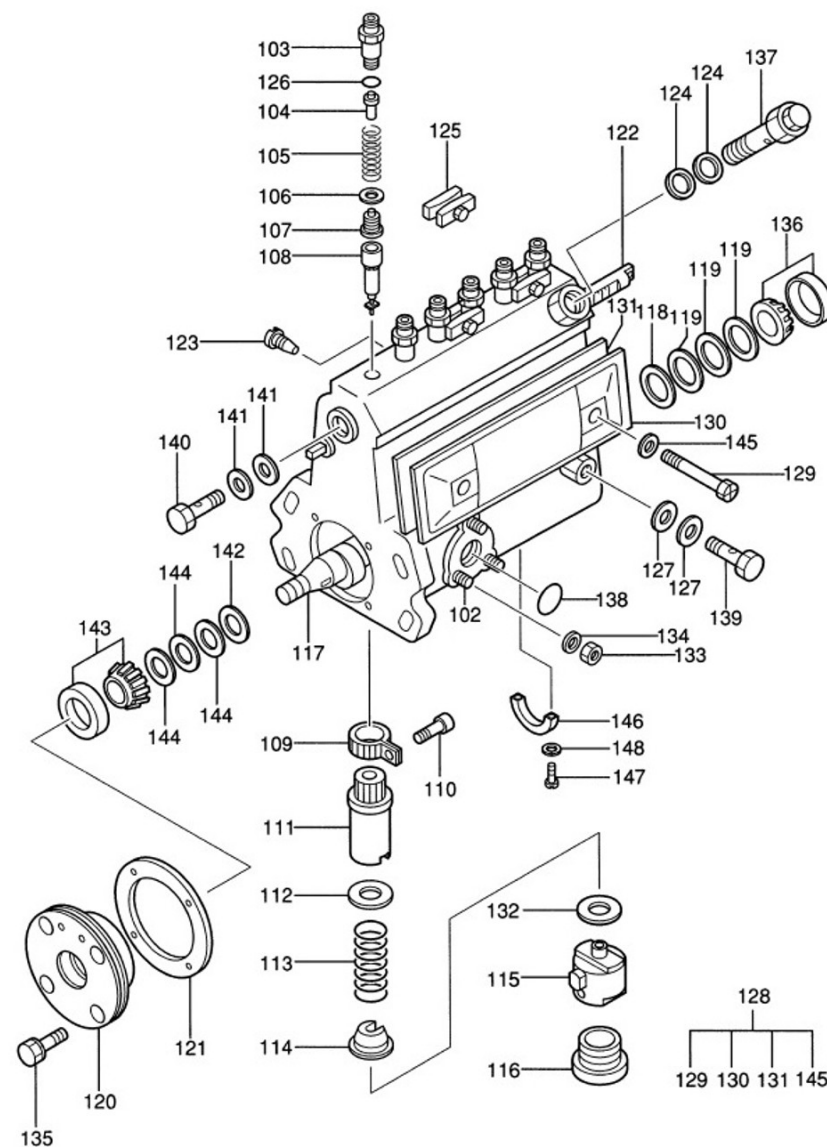
| D_GP01_4_2 |          | Injection Nozzle |                  |     |      |      |
|------------|----------|------------------|------------------|-----|------|------|
| Fig.       | Ref.     | Qty.             | Descr.           | Obs | From | UpTo |
| 1          | 17A24004 | 6                | Nozzle Assy      |     |      |      |
| 2          | 17A26002 | 6                | Injection Nozzle |     |      |      |
| 3          | 17A26003 | 0                | Washer 1,00      | #   |      |      |
| 4          | 17026144 | 0                | Washer 1,050     | #   |      |      |
| 5          | 17026145 | 0                | Washer 1,100     | #   |      |      |
| 6          | 17026146 | 0                | Washer 1,150     | #   |      |      |
| 7          | 17026010 | 0                | Washer 1,20      | #   |      |      |
| 8          | 17026011 | 0                | Washer 1,25      | #   |      |      |
| 9          | 17026012 | 0                | Washer 1,30      | #   |      |      |
| 10         | 17026013 | 0                | Washer 1,35      | #   |      |      |
| 11         | 17A26014 | 0                | Washer 4,00      | #   |      |      |
| 12         | 17A26015 | 0                | Washer 4,50      | #   |      |      |
| 13         | 17026016 | 0                | Washer 1,50      | #   |      |      |
| 14         | 17026017 | 0                | Washer 1,55      | #   |      |      |
| 15         | 17026019 | 0                | Washer 1,60      | #   |      |      |
| 16         | 17026020 | 0                | Washer 1,65      | #   |      |      |
| 17         | 17A26021 | 0                | Washer 1,70      | #   |      |      |
| 18         | 17026022 | 0                | Washer 1,75      | #   |      |      |
| 19         | 17026023 | 0                | Washer 1,80      | #   |      |      |
| 20         | 17026131 | 0                | Washer 1,275     | #   |      |      |
| 21         | 17026132 | 0                | Washer 1,325     | #   |      |      |
| 22         | 17026133 | 0                | Washer 1,375     | #   |      |      |
| 23         | 17026134 | 0                | Washer 1,425     | #   |      |      |
| 24         | 17026135 | 0                | Washer 1,475     | #   |      |      |
| 25         | 17A26022 | 0                | Washer 0,950     | #   |      |      |
| 26         | 17A26023 | 0                | Washer 0,700     | #   |      |      |
| 27         | 17A26024 | 0                | Washer 0,750     | #   |      |      |
| 28         | 17A26025 | 0                | Washer 0,800     | #   |      |      |
| 29         | 17A26026 | 0                | Washer 0,850     | #   |      |      |
| 30         | 17A26027 | 0                | Washer 0,900     | #   |      |      |
| 31         | 17A26028 | 0                | Washer 0,975     | #   |      |      |



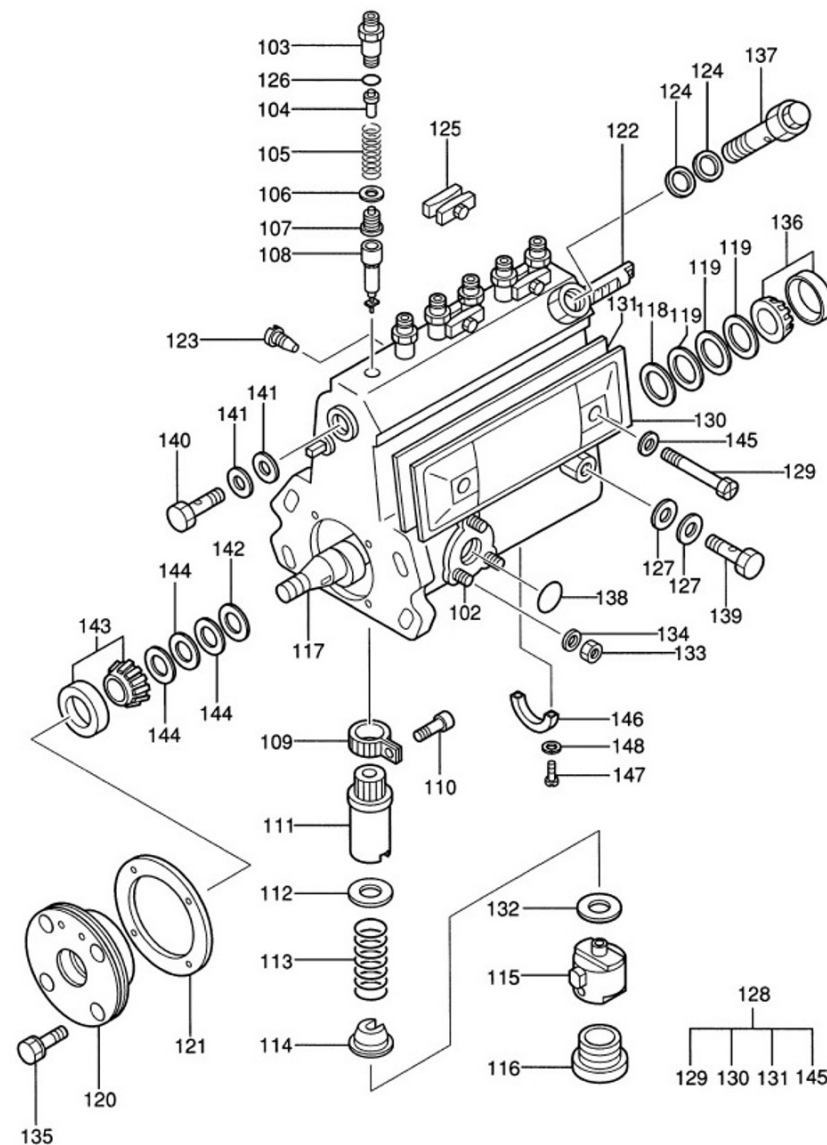
| D_GP01_4_2 Injection Nozzle |          |      |                 |     |           |
|-----------------------------|----------|------|-----------------|-----|-----------|
| Fig.                        | Ref.     | Qty. | Descr.          | Obs | From UpTo |
| 32                          | 17A26029 | 0    | Washer 1,025    | #   |           |
| 33                          | 17A26030 | 0    | Washer 1,075    | #   |           |
| 34                          | 17A26031 | 0    | Washer 1,125    | #   |           |
| 35                          | 17A26032 | 0    | Washer 1,175    | #   |           |
| 36                          | 17A26033 | 0    | Washer 1,225    | #   |           |
| 37                          | 17026104 | 6    | Spring,pressure |     |           |
| 38                          | 17026103 | 6    | Pin,pressure    |     |           |
| 39                          | 17026107 | 6    | Packing,tip     |     |           |
| 40                          | 17026008 | 12   | Pin Straight    |     |           |
| 41                          | 17A26034 | 6    | Nozzle Assy     |     |           |
| 42                          | 17A26006 | 6    | Nut             |     |           |



| D_GP01_4_3 |          | Injection Pump |                       |     |      |      |
|------------|----------|----------------|-----------------------|-----|------|------|
| Fig.       | Ref.     | Qty.           | Descr.                | Obs | From | UpTo |
| 102        | 13325239 | 3              | Stud                  |     |      |      |
| 103        | 17A22119 | 6              | Holder, Delivery      |     |      |      |
| 104        | 17A22120 | 6              | Stopper, Delivery     |     |      |      |
| 105        | 17A22121 | 6              | Spring, Delivery      |     |      |      |
| 106        | 17425012 | 6              | Gasket,Valve          |     |      |      |
| 107        | 17A22122 | 6              | Valve, Delivery       |     |      |      |
| 108        | 17A22123 | 6              | Element, Pump         |     |      |      |
| 109        | 13325241 | 6              | PinION Control        |     |      |      |
| 110        | 13325240 | 6              | Screw                 |     |      |      |
| 111        | 17425015 | 6              | SLEEVE,Control        |     |      |      |
| 112        | 17425011 | 6              | SHEET,Upper Spring    |     |      |      |
| 113        | 17A22124 | 6              | Spring, Plunger       |     |      |      |
| 114        | 17425013 | 6              | SHEET,LOWER Spring    |     |      |      |
| 115        | 13325261 | 6              | Tappet Assy           |     |      |      |
| 116        | 17425022 | 6              | Plug,Screw            |     |      |      |
| 117        | 17A22125 | 1              | Camshaft              |     |      |      |
| 118        | 13325226 | 1              | Ring                  |     |      |      |
| 119        | 13325219 | 0              | Plate 0,1             | #   |      |      |
| 119        | 13325220 | 0              | Plate 0,12            | #   |      |      |
| 119        | 13325221 | 0              | Plate 0,14            | #   |      |      |
| 119        | 13325222 | 0              | Plate 0,16            | #   |      |      |
| 119        | 13325223 | 0              | Plate 0,18            | #   |      |      |
| 119        | 13325224 | 0              | Plate 0,3             | #   |      |      |
| 119        | 13325225 | 0              | Plate 0,5             | #   |      |      |
| 119        | 17425030 | 0              | Shim Adjusting T=1.00 | #   |      |      |
| 119        | 17425031 | 0              | Shim Adjusting T=1,50 | #   |      |      |
| 119        | 17425032 | 0              | Shim Adjusting T=2.00 | #   |      |      |
| 119        | 17425033 | 0              | Shim Adjusting T=0.03 | #   |      |      |
| 120        | 17A22126 | 1              | Cover, Bearing        |     |      |      |
| 121        | 17A22127 | 1              | Gasket, Bearing Cover |     |      |      |
| 122        | 13325211 | 1              | RACK Control          |     |      |      |



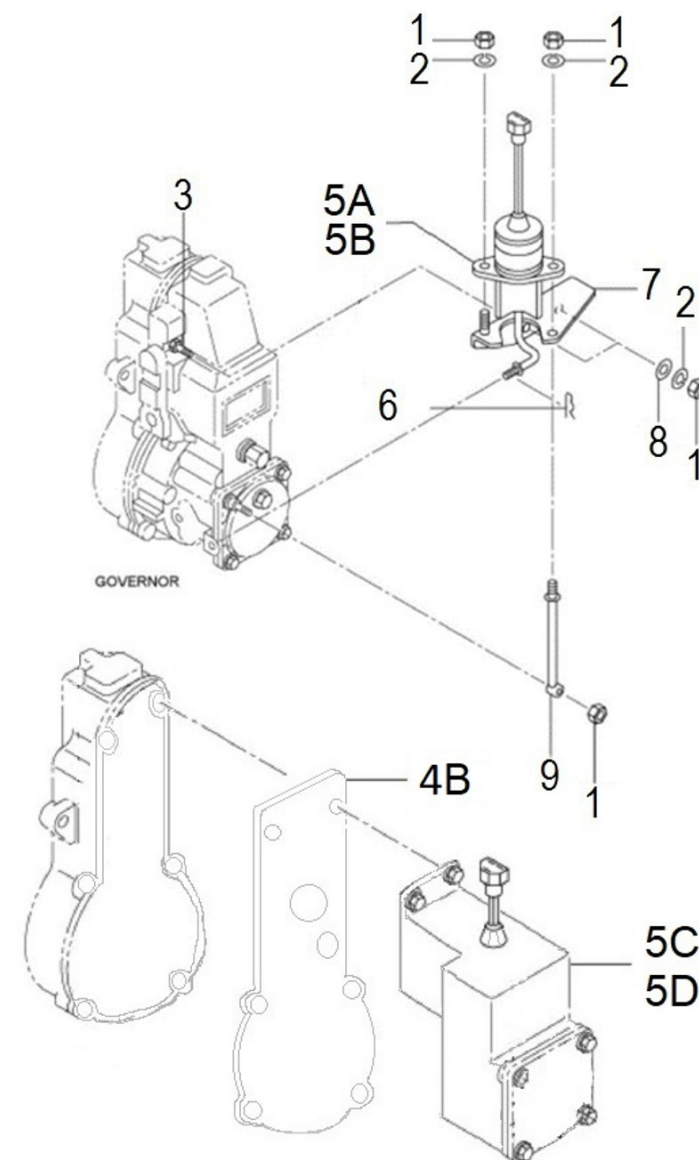
| D_GP01_4_3 |            | Injection Pump |                              |     |      |      |
|------------|------------|----------------|------------------------------|-----|------|------|
| Fig.       | Ref.       | Qty.           | Descr.                       | Obs | From | UpTo |
| 123        | 17425027   | 1              | Screw,RACK Guide             |     |      |      |
| 124        | 17A22128   | 2              | Washer, Union                |     |      |      |
| 125        | 17425035   | 3              | Plate                        |     |      |      |
| 126        | 17425010   | 6              | O-Ring                       |     |      |      |
| 127        | 13825031.3 | 2              | Washer,DRAIN Union           |     |      |      |
| 128        | 17525227   | 1              | Cover SUB Assy               |     |      |      |
| 129        | 17425041   | 2              | Screw,HEXAGON                |     |      |      |
| 130        | 17525229   | 1              | Cover,Plate                  |     |      |      |
| 131        | 17525228   | 1              | Gasket,Cover Plate           |     |      |      |
| 132        | 13125014   | 0              | Shim T=0,60                  | #   |      |      |
| 132        | 13325253   | 0              | Shim T=0.70                  | #   |      |      |
| 132        | 13325254   | 0              | Shim T=0.80                  | #   |      |      |
| 132        | 13325255   | 0              | Shim T=0.90                  | #   |      |      |
| 132        | 13325256   | 0              | Shim T=1.00                  | #   |      |      |
| 132        | 13325257   | 0              | Shim T=1.10                  | #   |      |      |
| 132        | 13325258   | 0              | Shim T=1.20                  | #   |      |      |
| 132        | 13325259   | 0              | Shim T=1.30                  | #   |      |      |
| 132        | 13325260   | 0              | Shim T=1.40                  | #   |      |      |
| 133        | 13325246   | 0              | Shim T=0.10                  | #   |      |      |
| 133        | 17425019   | 3              | Nut                          |     |      |      |
| 134        | 13125015   | 0              | Shim T=0,2                   | #   |      |      |
| 134        | 17425007   | 3              | Washer, Spring               |     |      |      |
| 135        | 13325249   | 0              | Shim T=0.30                  | #   |      |      |
| 135        | 17A22129   | 4              | Bolt, W/Washer               |     |      |      |
| 136        | 13125017   | 0              | Shim T=0,4                   | #   |      |      |
| 136        | 13325217   | 1              | Conical Roller Bearing 30203 |     |      |      |
| 137        | 13125018   | 0              | Shim T=0,5                   | #   |      |      |
| 137        | 17A22130   | 1              | Valve Assy, Overflow         |     |      |      |
| 138        | 13325234   | 1              | O-Ring                       |     |      |      |
| 138        | 13325247   | 0              | Shim T=0.15                  | #   |      |      |
| 139        | 13325231   | 1              | Screw, Racord                |     |      |      |



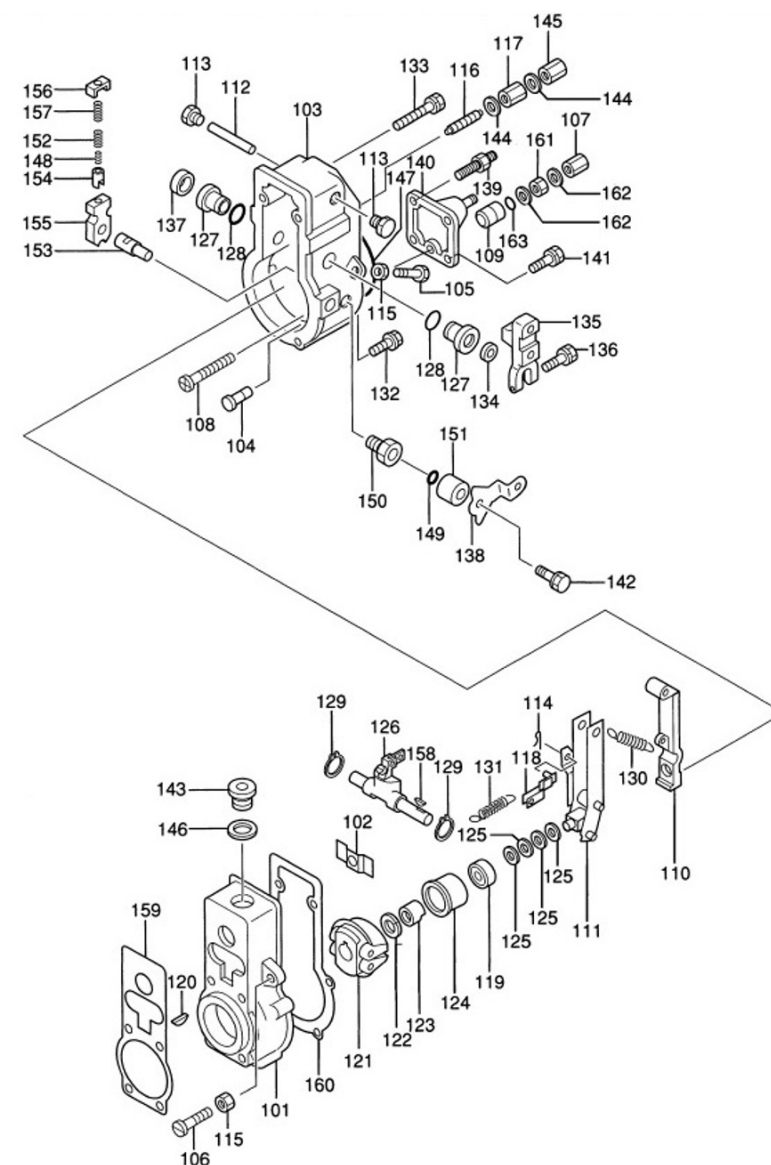
This diagram illustrates the exploded view of a mechanical assembly, likely a pump or valve unit. The central component is a rectangular housing (102) with various ports and mounting points. Surrounding it are numerous sub-assemblies and individual parts, each labeled with a numerical callout:

- Top Section:** Includes a vertical assembly of parts 103, 126, 104, 105, 106, 107, and 108. A separate bracket (125) is shown nearby.
- Right Side:** Features a series of O-rings (124, 119, 118, 119, 136) and a large bolt (137). A small rectangular component (122) is also indicated.
- Front/Bottom Section:** Shows a complex arrangement of O-rings (140, 141, 142, 144, 144, 143), a gear (143), and a shaft (117). A large circular flange (120) is shown with a bolt (135).
- Bottom Center:** Includes a vertical assembly with parts 109, 111, 112, 113, and 114.
- Bottom Right:** Shows a curved component (146) and several small fasteners (148, 147).
- Far Right:** Includes a bolt (129) and a series of O-rings (130, 131, 145).
- Bottom Right Assembly:** A sub-assembly consisting of parts 132, 115, and 116.
- Bottom Far Right:** A bracketed group of parts 128, 129, 130, 131, and 145.

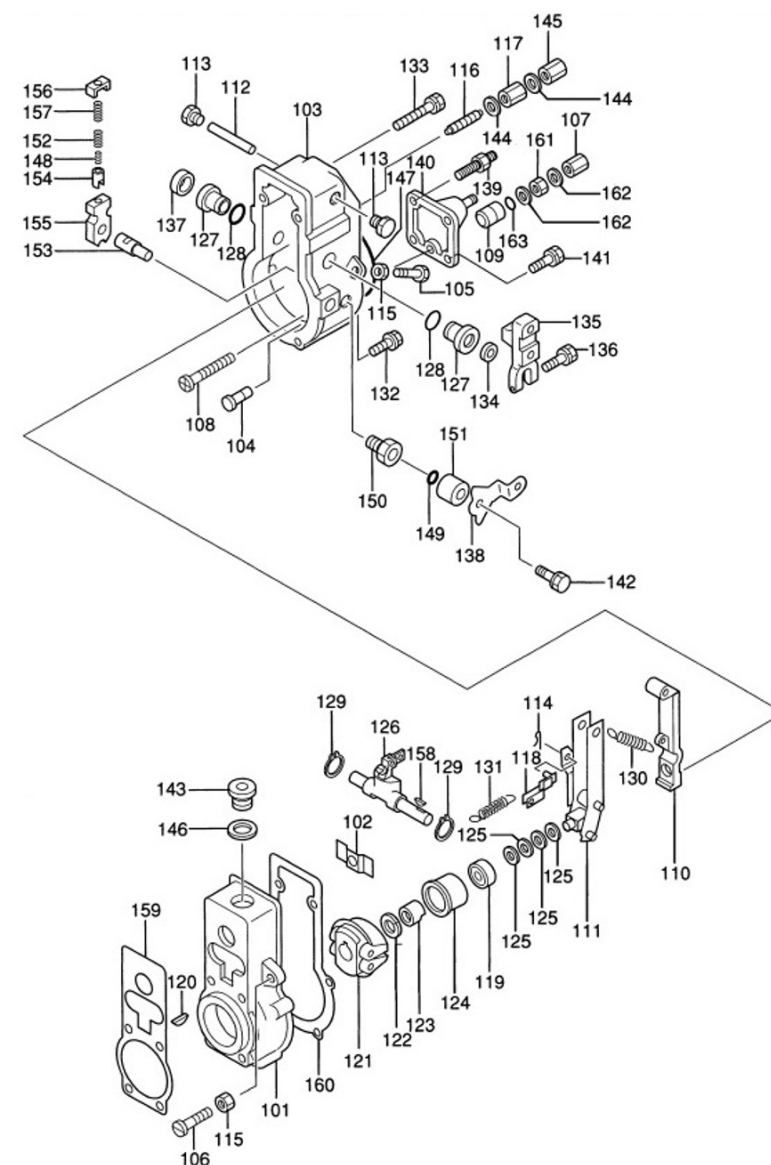
| D_GP01_4_4 Governor Parts        |            |      |                                          |     |           |
|----------------------------------|------------|------|------------------------------------------|-----|-----------|
| Fig.                             | Ref.       | Qty. | Descr.                                   | Obs | From UpTo |
| 1                                | 17223032   | 5    | Nut                                      |     |           |
| 2                                | 53033006   | 4    | Washer GROWER DIN 127-6                  |     |           |
| 3                                | 17427003G  | 2    | Rod,Solenoid                             |     |           |
| 4B                               | 60972518   | 1    | Assembly kit for 175 series actuator     |     |           |
| Figure b for Parallel System     |            |      |                                          |     |           |
| 5A                               | 17424025G  | 1    | Solenoid                                 |     |           |
| Figure A for 12V System          |            |      |                                          |     |           |
| 5B                               | 17425264.2 | 1    | Solenoid 24V                             |     |           |
| Figure b for 24V System          |            |      |                                          |     |           |
| 5C                               | 60972516   | 1    | G.A.C 175 Series 12V Integrated Actuator |     |           |
| Figure C for Parallel System 12V |            |      |                                          |     |           |
| 5D                               | 60972520   | 1    | G.A.C. 175 Series 24V Integrated Actuat. |     |           |
| Figure D for Parallel System 24V |            |      |                                          |     |           |
| 6                                | 17427009G  | 1    | Clip                                     |     |           |
| 7                                | 17427005G  | 1    | Bracket                                  |     |           |
| 8                                | 51030006   | 2    | Washer DIN 125-6                         |     |           |
| 9                                | 17427006G  | 1    | ROD,Support                              |     |           |



| D_GP01_4_6 |          | Governor |                    |     |      |      |
|------------|----------|----------|--------------------|-----|------|------|
| Fig.       | Ref.     | Qty.     | Descr.             | Obs | From | UpTo |
| 101        | 17425201 | 1        | Housing,GOverNOR   |     |      |      |
| 102        | 17425203 | 1        | Plate              |     |      |      |
| 103        | 17425208 | 1        | Cover,GOverNOR     |     |      |      |
| 104        | 17425209 | 1        | Pin                |     |      |      |
| 105        | 17425210 | 1        | Screw,Adjusting    |     |      |      |
| 106        | 17A22144 | 1        | Screw, Adjusting   |     |      |      |
| 107        | 17425217 | 1        | Nut                |     |      |      |
| 108        | 17425212 | 1        | Screw,Adjusting    |     |      |      |
| 109        | 17425213 | 1        | Bushing            |     |      |      |
| 110        | 17425218 | 1        | Lever,TENSION      |     |      |      |
| 111        | 17425245 | 1        | Lever,TENSION      |     |      |      |
| 112        | 17425222 | 1        | Shaft,Lever        |     |      |      |
| 113        | 17425223 | 2        | Plug,Screw         |     |      |      |
| 114        | 17425246 | 1        | Pin,SPLIT          |     |      |      |
| 115        | 17425211 | 2        | Nut,W/Hole         |     |      |      |
| 116        | 17A22145 | 1        | Capsule            |     |      |      |
| 117        | 17425232 | 1        | Nut,Adapter LOCK   |     |      |      |
| 118        | 17425247 | 1        | SHACKLE            |     |      |      |
| 119        | 17425239 | 1        | Bearing,Ball       |     |      |      |
| 120        | 17425205 | 1        | KEY,WOODRUFF       |     |      |      |
| 121        | 17A22146 | 1        | Flyweight Assy     |     |      |      |
| 122        | 13325273 | 1        | Washer             |     |      |      |
| 123        | 17425237 | 1        | Nut,ROUND          |     |      |      |
| 124        | 17425238 | 1        | SLEEVE,GOverNOR    |     |      |      |
| 125        | 17425240 | 0        | Washer,Plate T=0.2 | #   |      |      |
| 125        | 17425241 | 0        | Washer,Plate T=0.3 | #   |      |      |
| 125        | 17425242 | 0        | Washer,Plate T=0.4 | #   |      |      |
| 125        | 17425243 | 0        | Washer,Plate T=0.1 | #   |      |      |
| 125        | 17425244 | 0        | Washer,Plate T=1.0 | #   |      |      |
| 126        | 17425250 | 1        | Lever,SWIVELLING   |     |      |      |
| 127        | 17425227 | 2        | Bushing,Lever      |     |      |      |



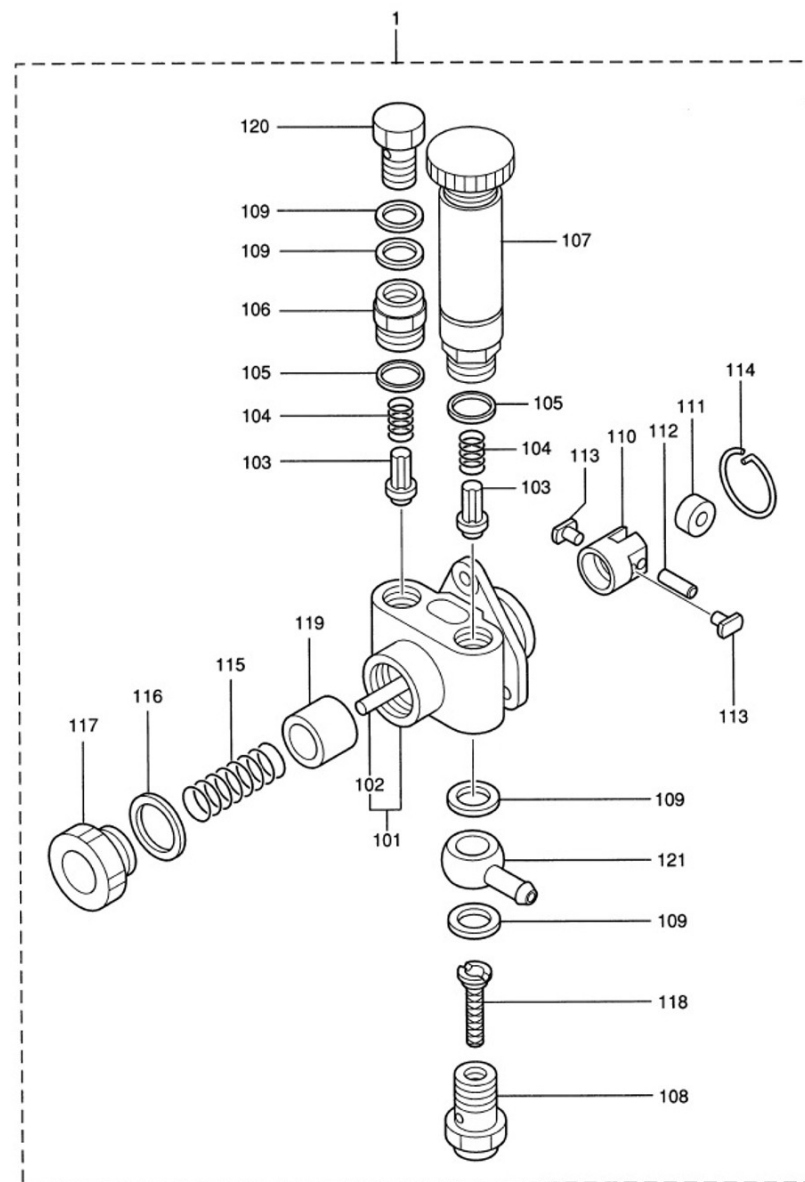
| D_GP01_4_6 |           | Governor |                             |     |            |
|------------|-----------|----------|-----------------------------|-----|------------|
| Fig.       | Ref.      | Qty.     | Descr.                      | Obs | From UpTo  |
| 128        | 17425226  | 2        | O-Ring                      |     |            |
| 129        | 17425251  | 2        | Washer,SNAP                 |     |            |
| 130        | 17A22147  | 1        | Spring, Control             |     |            |
| 131        | 17425248  | 1        | Spring,START                |     |            |
| 132        | 17425255  | 4        | Bolt,W/Washer               |     |            |
| 133        | 17425300  | 2        | Bolt,W/Washer               |     |            |
| 134        | 17425229  | 1        | Seal,Oil                    |     |            |
| 135        | 17425224G | 1        | Lever,ADJUNTING (Generator) |     |            |
| 136        | 17425225  | 1        | Bolt,W/Washer               |     |            |
| 137        | 17425228  | 1        | Cap,Lever                   |     |            |
| 138        | 17425259G | 1        | Lever,Stop (Generator)      |     |            |
| 139        | 17425269  | 2        | Bolt,Stud                   |     | 06/02/2020 |
| 139        | 17425271  | 2        | Bolt,Stud                   |     | 06/02/2020 |
| 140        | 17425296  | 1        | Plate,Cover                 |     |            |
| 141        | 17425297  | 2        | Bolt,W/Washer               |     |            |
| 142        | 17425260G | 1        | Bolt,W/Washer (Generator)   |     |            |
| 143        | 17425206  | 1        | Plug,Screw                  |     |            |
| 144        | 13325213  | 2        | Washer NIPPLE               |     |            |
| 145        | 17425233  | 1        | Nut,Cap                     |     |            |
| 146        | 17425207  | 1        | Washer,COPPER Plate         |     |            |
| 147        | 17425295  | 1        | Packing,Rubber Plate        |     |            |
| 148        | 17425276  | 1        | Spring                      |     |            |
| 149        | 17425257  | 1        | O-Ring                      |     |            |
| 150        | 17425256G | 1        | Bushing,Bearing (Generator) |     |            |
| 151        | 17425258G | 1        | Cover,Spring (Generator)    |     |            |
| 152        | 17425275  | 1        | Spring                      |     |            |
| 153        | 17425279  | 1        | Shaft,GOverNOR              |     |            |
| 154        | 17425277  | 1        | SHEET,spring                |     |            |
| 155        | 17425278  | 1        | Lever,Support               |     |            |
| 156        | 17425273  | 1        | Plate,Cap                   |     |            |
| 157        | 17425274  | 1        | Spring                      |     |            |



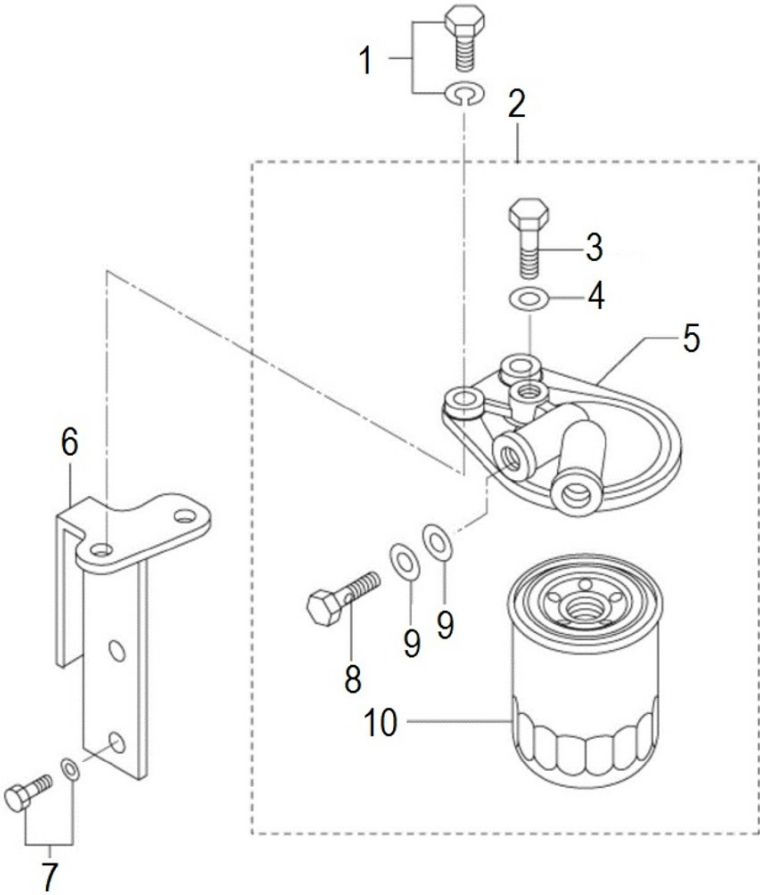
This diagram shows an exploded view of a mechanical assembly, likely a pump or engine component. The parts are numbered as follows:

- 113, 112, 103, 133, 116, 117, 145, 144, 107, 161, 162, 162, 163, 141, 109, 105, 135, 136, 128, 127, 134, 151, 149, 138, 142, 150, 115, 132, 108, 104, 153, 155, 154, 148, 152, 157, 156, 129, 126, 158, 129, 131, 118, 114, 130, 110, 125, 125, 125, 111, 119, 124, 123, 122, 121, 160, 101, 115, 106, 120, 143, 146, 159.

| D_GP01_4_7 |            | Feed Pump |                     |     |           |
|------------|------------|-----------|---------------------|-----|-----------|
| Fig.       | Ref.       | Qty.      | Descr.              | Obs | From UpTo |
| 1          | 17A22148   | 1         | Pump Assy, Feed     |     |           |
| 101        | 13325107   | 1         | Housing Feed Pump   |     |           |
| 102        | 13325120   | 1         | ROD,PUSH            |     |           |
| 103        | 13325106   | 2         | Valve               |     |           |
| 104        | 13325105   | 2         | Spring              |     |           |
| 105        | 13325104   | 2         | Washer              |     |           |
| 106        | 13325103   | 1         | Support             |     |           |
| 107        | 17425102   | 1         | Pump S/Assy,PRIMING |     |           |
| 108        | 13325112   | 1         | Screw, Racord       |     |           |
| 109        | 13325202   | 4         | Washer              |     |           |
| 110        | 13325115   | 1         | Tappet              |     |           |
| 111        | 13325118   | 1         | Roller              |     |           |
| 112        | 13325117   | 1         | Pin,Roller          |     |           |
| 113        | 13325116   | 2         | Block               |     |           |
| 114        | 13325119   | 1         | Ring                |     |           |
| 115        | 13325110   | 1         | Spring              |     |           |
| 116        | 13325109   | 1         | Washer              |     |           |
| 117        | 13325108   | 1         | Plug                |     |           |
| 118        | 13325113   | 1         | Filter              |     |           |
| 119        | 13325111   | 1         | Piston              |     |           |
| 120        | 17325027.1 | 1         | Screw,HOLLOW        |     |           |
| 121        | 17A22151   | 1         | Nipple, Swiveling   |     |           |

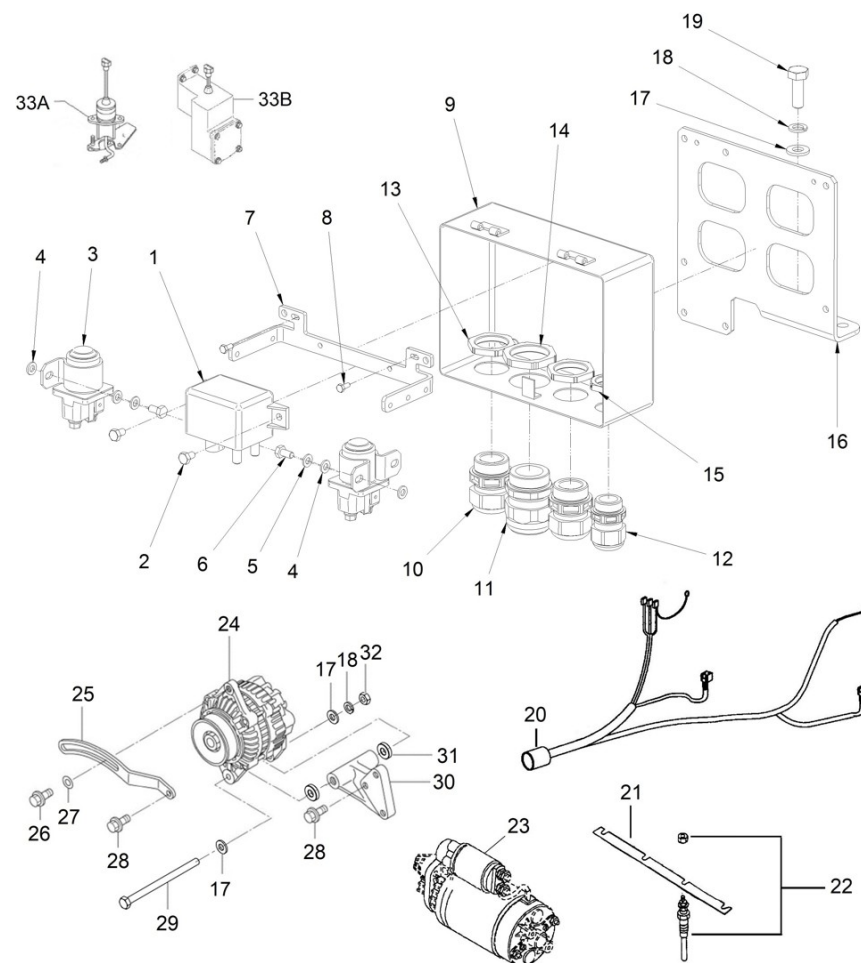


| D_GP01_4_5 Fuel Filter |             |      |                             |     |            |
|------------------------|-------------|------|-----------------------------|-----|------------|
| Fig.                   | Ref.        | Qty. | Descr.                      | Obs | From UpTo  |
| 1                      | 17421012G.1 | 2    | Bolt W/Washer (Generator)   |     |            |
| 2                      | 17A24020    | 1    | Fuel Filter Assy            |     |            |
| 3                      | 17A24076    | 1    | Plug                        |     |            |
| 4                      | 13125025    | 1    | Washer                      |     |            |
| 6                      | 17A24002    | 1    | STAY                        |     |            |
| 7                      | 17120062    | 2    | Bolt,w/washer               |     |            |
| 8                      | 17424003    | 2    | Bolt,EYE                    |     |            |
| 9                      | 17A24008    | 4    | Washer                      |     |            |
| 10                     | 17A24009    | 1    | Gasoil Filter Element       |     | 03/03/2020 |
| 10                     | 17A24009.1  | 1    | Gasoil Filter Element       |     | 03/03/2020 |
| 10                     | 17A24030    | 1    | Gasoil Filter Element SM-81 |     | 03/03/2020 |



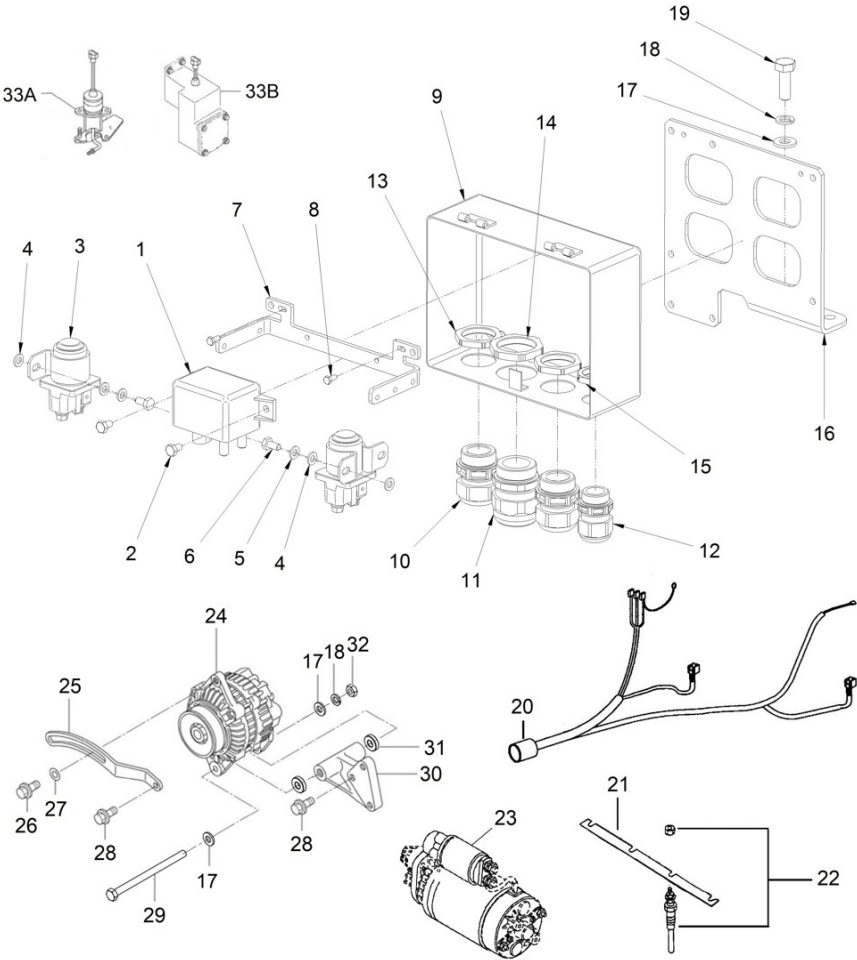
**D\_SM81GTST\_05\_1      Electrical System 12V**

| Fig. | Ref.      | Qty. | Descr.                                  | Obs | From | UpTo |
|------|-----------|------|-----------------------------------------|-----|------|------|
| 1    | 19017113  | 1    | Relay 12V Earth Isolated Nagares        |     |      |      |
| 2    | 52102154  | 2    | Bolt DIN 933 M6-10 8.8                  |     |      |      |
| 3    | 17527005  | 2    | Relay 12V 200A                          |     |      |      |
| 4    | 58030603  | 8    | Washer DIN 125-6 Nylon                  |     |      |      |
| 5    | 51030006  | 4    | Washer DIN 125-6                        |     |      |      |
| 6    | 58101155  | 4    | Bolt DIN 933 M6-12 Nylon                |     |      |      |
| 7    | 17A17002  | 1    | Relays Bracket                          |     |      |      |
| 8    | 52102054  | 2    | Bolt DIN 933 M4-10 8.8                  |     |      |      |
| 9    | 6097A001  | 1    | Metal Industrial Box IP55 206x156x83    |     |      |      |
| 10   | 60900310  | 2    | Connector Press CAPTOR-2000 M32 RAL7001 |     |      |      |
| 11   | 60900313  | 1    | Cable Gland Captor-2000 PG29            |     |      |      |
| 12   | 60900306  | 1    | Connector Press CAPTOR-2000 M25 RAL7001 |     |      |      |
| 13   | 60900311  | 2    | Screw Connector Press Captor-2000 M32   |     |      |      |
| 14   | 60900314  | 1    | Hexagonal Locknut Captor-2000 PG29      |     |      |      |
| 15   | 60900309  | 1    | Screw Connector Press Captor-2000 M25   |     |      |      |
| 16   | 17A17001  | 1    | Relays Box Bracket                      |     |      |      |
| 17   | 51030010  | 4    | Washer DIN 125-10                       |     |      |      |
| 18   | 53033010  | 3    | Washer GROWER DIN 127-10                |     |      |      |
| 19   | 52102309  | 2    | Bolt DIN 933 M10-30 8.8                 |     |      |      |
| 20   | 6097A203  | 1    | SM81 E. Wiring G.Earth Isolated         |     |      |      |
| 21   | 17527018  | 1    | Plate Glow Plug                         |     |      |      |
| 22   | 17827017  | 6    | Plug, Glow                              |     |      |      |
| 23   | 17527001G | 1    | Starter Assy 12 V                       |     |      |      |
| 24   | 17427010G | 1    | Alternator 12V/50A                      |     |      |      |
| 25   | 17427007  | 1    | Plate,Adjusting                         |     |      |      |
| 26   | 13827012  | 1    | Bolt                                    |     |      |      |
| 27   | 17331008  | 1    | Washer                                  |     |      |      |
| 28   | 17425036  | 2    | Bolt,Flange                             |     |      |      |
| 29   | 52101326  | 1    | Bolt DIN 931 M10-130 8.8                |     |      |      |
| 30   | 17427002  | 1    | Bracket,Alternator                      |     |      |      |
| 31   | 17117011  | 2    | Bracket Bakelite Bushing                |     |      |      |



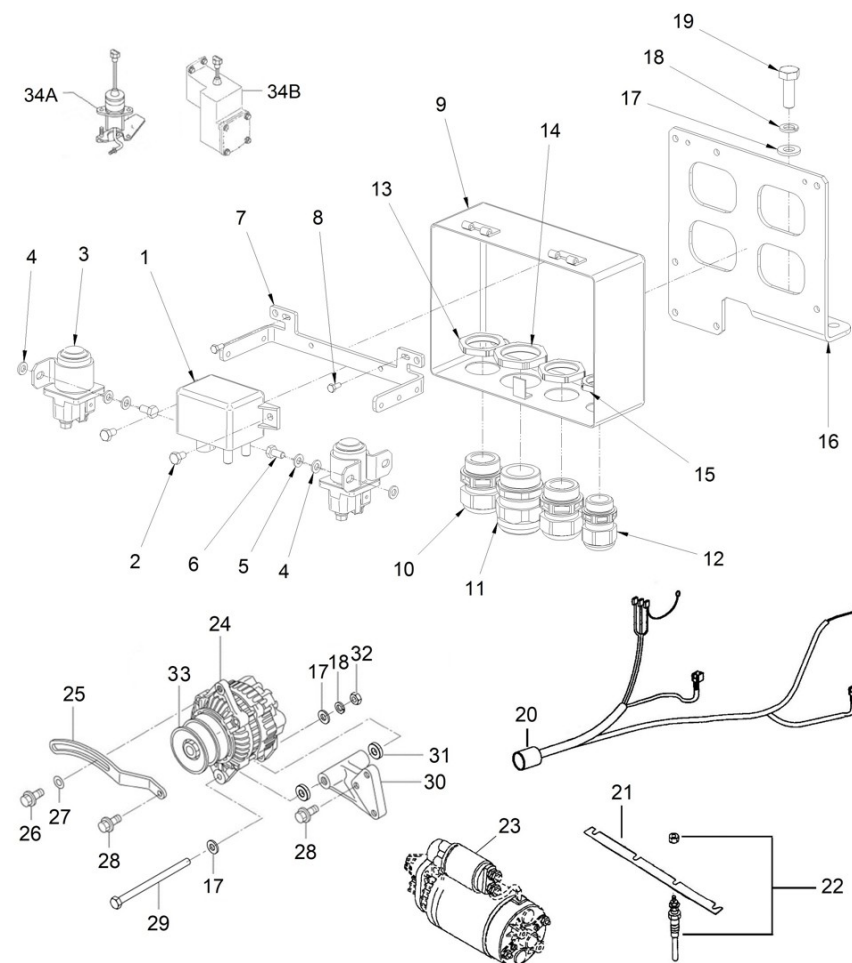
D\_SM81GTST\_05\_1 Electrical System 12V

| Fig.                         | Ref.      | Qty. | Descr.                                   | Obs | From | UpTo |
|------------------------------|-----------|------|------------------------------------------|-----|------|------|
| 32                           | 52120010  | 1    | Nut DIN 934 M10 8.8                      |     |      |      |
| 33A                          | 17424025G | 1    | Solenoid                                 |     |      |      |
| Figure A for Standard System |           |      |                                          |     |      |      |
| 33B                          | 60972516  | 1    | G.A.C 175 Series 12V Integrated Actuator |     |      |      |
| Figure b for Parallel System |           |      |                                          |     |      |      |

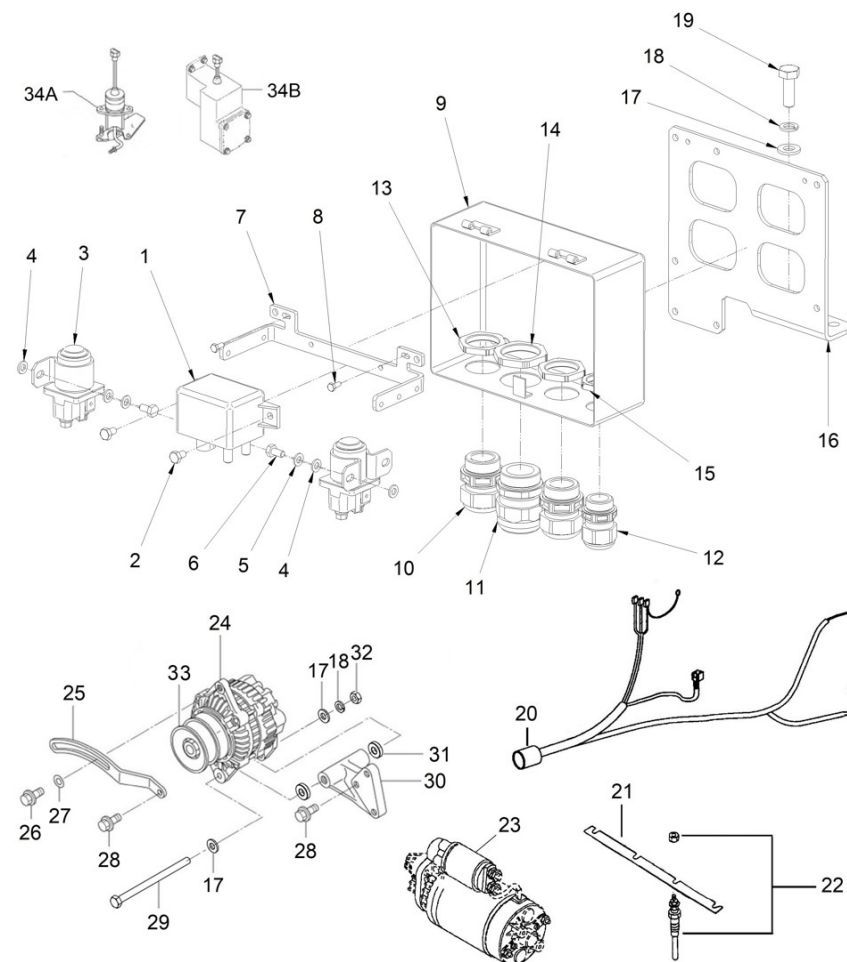


**D\_SM81GTST\_05\_2 Electrical System 24V**

| Fig. | Ref.       | Qty. | Descr.                                  | Obs | From | UpTo |
|------|------------|------|-----------------------------------------|-----|------|------|
| 1    | 19017114   | 1    | Relay 24V Earth Isolated Nagares        |     |      |      |
| 2    | 52102154   | 2    | Bolt DIN 933 M6-10 8.8                  |     |      |      |
| 3    | 17417005   | 2    | Relay 24V 24-100                        |     |      |      |
| 4    | 58030603   | 8    | Washer DIN 125-6 Nylon                  |     |      |      |
| 5    | 51030006   | 4    | Washer DIN 125-6                        |     |      |      |
| 6    | 58101155   | 4    | Bolt DIN 933 M6-12 Nylon                |     |      |      |
| 7    | 17A17002   | 1    | Relays Bracket                          |     |      |      |
| 8    | 52102054   | 2    | Bolt DIN 933 M4-10 8.8                  |     |      |      |
| 9    | 6097A001   | 1    | Metal Industrial Box IP55 206x156x83    |     |      |      |
| 10   | 60900310   | 2    | Connector Press CAPTOR-2000 M32 RAL7001 |     |      |      |
| 11   | 60900313   | 1    | Cable Gland Captor-2000 PG29            |     |      |      |
| 12   | 60900306   | 1    | Connector Press CAPTOR-2000 M25 RAL7001 |     |      |      |
| 13   | 60900311   | 2    | Screw Connector Press Captor-2000 M32   |     |      |      |
| 14   | 60900314   | 1    | Hexagonal Locknut Captor-2000 PG29      |     |      |      |
| 15   | 60900309   | 1    | Screw Connector Press Captor-2000 M25   |     |      |      |
| 16   | 17A17001   | 1    | Relays Box Bracket                      |     |      |      |
| 17   | 51030010   | 4    | Washer DIN 125-10                       |     |      |      |
| 18   | 53033010   | 3    | Washer GROWER DIN 127-10                |     |      |      |
| 19   | 52102309   | 2    | Bolt DIN 933 M10-30 8.8                 |     |      |      |
| 20   | 6097A203   | 1    | SM81 E. Wiring G.Earth Isolated         |     |      |      |
| 21   | 17527018   | 1    | Plate Glow Plug                         |     |      |      |
| 22   | 17A27017   | 6    | Glow Plug 24V                           |     |      |      |
| 23   | 17527001.2 | 1    | Starter Assy 24V                        |     |      |      |
| 24   | 17417024   | 1    | Alternator 28V/55A                      |     |      |      |
| 25   | 17427007   | 1    | Plate,Adjusting                         |     |      |      |
| 26   | 13827012   | 1    | Bolt                                    |     |      |      |
| 27   | 17331008   | 1    | Washer                                  |     |      |      |
| 28   | 17425036   | 2    | Bolt,Flange                             |     |      |      |
| 29   | 52101326   | 1    | Bolt DIN 931 M10-130 8.8                |     |      |      |
| 30   | 17427002.5 | 1    | Alternator Bracket, Earth Isolated      |     |      |      |
| 31   | 17117011   | 2    | Bracket Bakelite Bushing                |     |      |      |

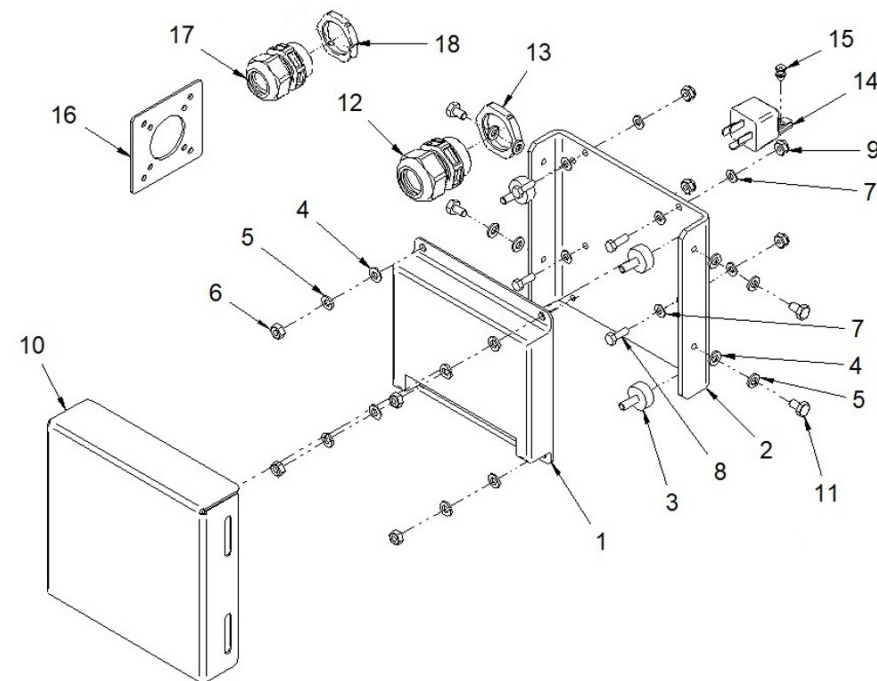


| Fig. | Ref.                         | Qty. | Descr.                                   | Obs                                                                               | From | UpTo |
|------|------------------------------|------|------------------------------------------|-----------------------------------------------------------------------------------|------|------|
| 32   | 52120010                     | 1    | Nut DIN 934 M10 8.8                      |                                                                                   |      |      |
| 33   | 17517010                     | 1    | Pulley                                   |                                                                                   |      |      |
| 34A  | 17425264.2                   | 1    | Solenoid 24V                             |                                                                                   |      |      |
|      | Figure A for Standard System |      |                                          |                                                                                   |      |      |
| 34B  | 60972520                     | 1    | G.A.C. 175 Series 24V Integrated Actuat. |                                                                                   |      |      |
|      | Figure b for Parallel System |      |                                          |                                                                                   |      |      |
| NS   | 60900063                     | 4    | Insulator Cap Faston 6.3                 |  |      |      |
| NS   | TFH.1M.6.3.08                | 1    | Straight Receptacle 1 Sec. Faston        |  |      |      |



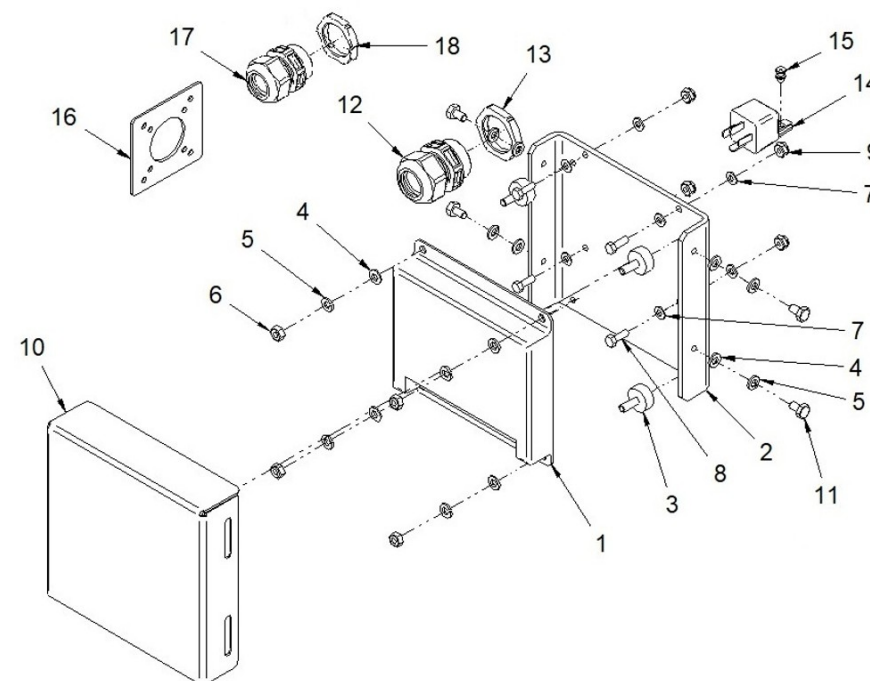
**D\_SM81GTST\_05\_3 Parallel Electrical System 12V**

| Fig. | Ref.         | Qty. | Descr.                                               | Obs                                                                               | From       | UpTo       |
|------|--------------|------|------------------------------------------------------|-----------------------------------------------------------------------------------|------------|------------|
| 1    | 60972521     | 1    | Speed Control Unit G.A.C. ESD-5500 Ser.              |                                                                                   |            |            |
| 2    | 17317007     | 1    | Electronic Unit Bracket                              |                                                                                   |            |            |
| 3    | 17A14009     | 4    | Anti Vibration Mount M6                              |                                                                                   |            |            |
| 4    | 51030006     | 8    | Washer DIN 125-6                                     |                                                                                   |            |            |
| 5    | 53033006     | 8    | Washer GROWER DIN 127-6                              |                                                                                   |            |            |
| 6    | 52120006     | 4    | Nut DIN 934 M6 8.8                                   |                                                                                   |            |            |
| 10   | 17317008     | 1    | Parallel electronic unit cover                       |                                                                                   |            |            |
| 11   | 52102154     | 2    | Bolt DIN 933 M6-10 8.8                               |                                                                                   |            |            |
| 12   | 60900310     | 1    | Connector Press CAPTOR-2000 M32 RAL7001              |                                                                                   |            |            |
| 13   | 60900311     | 1    | Screw Connector Press Captor-2000 M32                |                                                                                   |            |            |
| 14   | 63900028     | 1    | Relay 12V 20/30A NO+NC                               |                                                                                   |            |            |
| 15   | 51058054     | 1    | Aluminium Rivet 4.0 X 10                             |                                                                                   |            |            |
| 16   | 60573041.25G | 1    | Connector Adapter Parallel                           |                                                                                   |            |            |
| NS   | 60972517     | 1    | Connector for actuator Packard type                  |  |            |            |
| NS   | 60974205     | 1    | 35 GT/GTC Parallel Auxiliary Installation Mitsubishi |  |            | 31/05/2023 |
| NS   | 60974229     | 1    | Auxiliary Installation Parallel Genset               |  | 01/06/2023 |            |



**D\_SM81GTST\_05\_4 Parallel Electrical System 24V**

| Fig. | Ref.       | Qty. | Descr.                                               | Obs                                                                                | From       | UpTo       |
|------|------------|------|------------------------------------------------------|------------------------------------------------------------------------------------|------------|------------|
| 1    | 60972521   | 1    | Speed Control Unit G.A.C. ESD-5500 Ser.              |                                                                                    |            |            |
| 2    | 17317007   | 1    | Electronic Unit Bracket                              |                                                                                    |            |            |
| 3    | 17A14009   | 4    | Anti Vibration Mount M6                              |                                                                                    |            |            |
| 4    | 51030006   | 8    | Washer DIN 125-6                                     |                                                                                    |            |            |
| 5    | 53033006   | 8    | Washer GROWER DIN 127-6                              |                                                                                    |            |            |
| 6    | 52120006   | 4    | Nut DIN 934 M6 8.8                                   |                                                                                    |            |            |
| 10   | 17317008   | 1    | Parallel electronic unit cover                       |                                                                                    |            |            |
| 11   | 52102154   | 2    | Bolt DIN 933 M6-10 8.8                               |                                                                                    |            |            |
| 12   | 60900310   | 1    | Connector Press CAPTOR-2000 M32 RAL7001              |                                                                                    |            |            |
| 13   | 60900311   | 1    | Screw Connector Press Captor-2000 M32                |                                                                                    |            |            |
| 14   | 17417005.1 | 1    | Relay 24V 24-22A                                     |                                                                                    |            |            |
| 15   | 51058054   | 1    | Aluminium Rivet 4.0 X 10                             |                                                                                    |            |            |
| NS   | 60900088   | 1    | TERMINAL Female SUPERSEAL                            |   |            |            |
| NS   | 60900089   | 1    | SUPERSEAL male terminal                              |   |            |            |
| NS   | 60900322   | 1    | 2 female channel connector SUPERSEAL                 |   |            |            |
| NS   | 60900323   | 1    | 2 male channel connector SUPERSEAL                   |   |            |            |
| NS   | 60900330   | 1    | SUPERSEAL yello rubber protection                    |   |            |            |
| NS   | 60972517   | 2    | Connector for actuator Packard type                  |   |            |            |
| NS   | 60974205   | 1    | 35 GT/GTC Parallel Auxiliary Installation Mitsubishi |   |            | 31/05/2023 |
| NS   | 60974229   | 1    | Auxiliary Installation Parallel Genset               |  | 01/06/2023 |            |

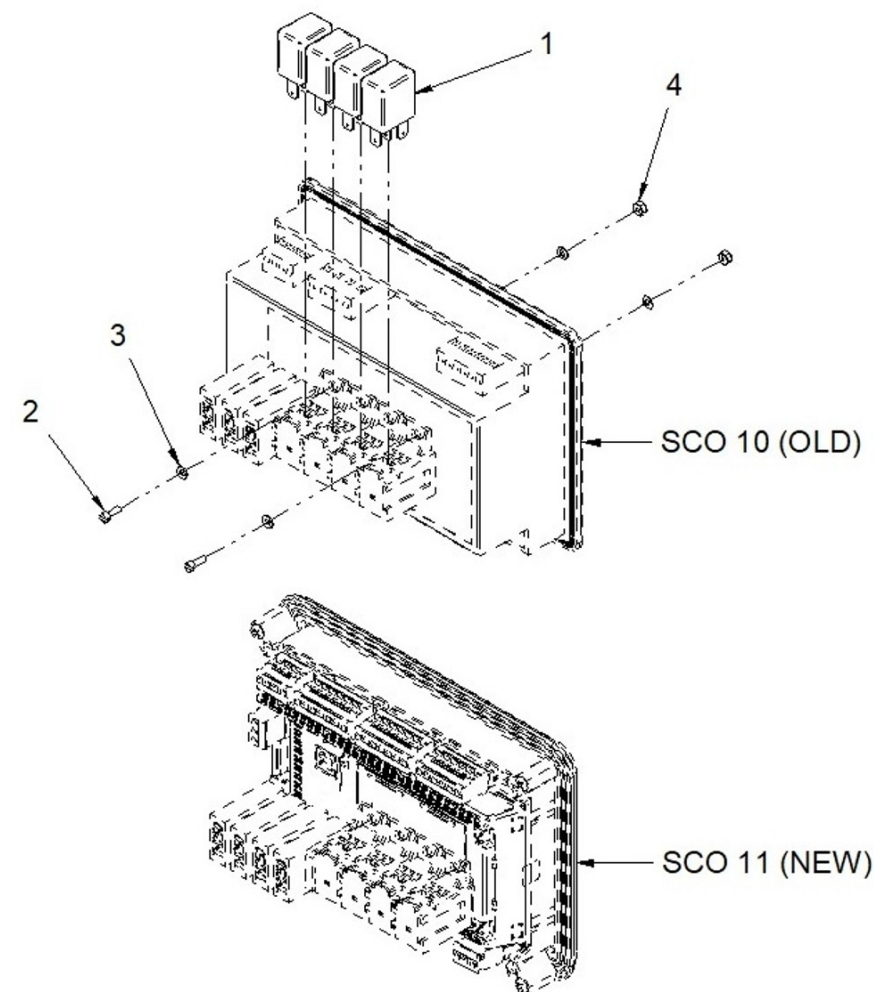


| D_SM81GTST_05_5 |                | Panels for Genset |                                                    |     |      |      |
|-----------------|----------------|-------------------|----------------------------------------------------|-----|------|------|
| Fig.            | Ref.           | Qty.              | Descr.                                             | Obs | From | UpTo |
| 1A              | 6097A400S      | 1                 | Panel SCO 10 68 GTC ETR 12V 400/230V               |     |      |      |
| 1B              | 6097A400.2S    | 1                 | Panel SCO 10 68 GTC ETR 24V 400/230V               |     |      |      |
| 1C              | 6097A230ST     | 1                 | Panel SCO 10 68 GTC ETR 12V 230V                   |     |      |      |
| 1D              | 6097A230ST.2   | 1                 | Panel SCO 10 68 GTC ETR 24V 230V                   |     |      |      |
| 1E              | 6097A400S.18   | 1                 | Panel SCO 10 84 GTAC ETR 12V 480/277V              |     |      |      |
| 1F              | 6097A400.2S.18 | 1                 | Panel SCO 10 84 GTAC ETR 24V 480/277V              |     |      |      |
| 1G              | 6097A240ST     | 1                 | Panel SCO 10 84 GTAC ETR 12V 240V                  |     |      |      |
| 1H              | 6097A240ST.2   | 1                 | Panel SCO 10 84 GTAC 240V 24V                      |     |      |      |
| 2A              | 6297A400S      | 1                 | Panel SCO 11 68 GTC ETR 12V 400/230V               |     |      |      |
| 2B              | 6297A400.2S    | 1                 | Panel SCO 11 68 GTC ETR 24V 400/230V               |     |      |      |
| 2C              | 6297A230ST     | 1                 | Panel SCO 11 68 GTC ETR 12V 230V                   |     |      |      |
| 2D              | 6297A230ST.2   | 1                 | Panel SCO 11 68 GTC ETR 24V 230V                   |     |      |      |
| 2E              | 6297A400S.18   | 1                 | Panel SCO 11 84 GTAC ETR 12V 480/277V              |     |      |      |
| 2F              | 6297A400.2S.18 | 1                 | Panel SCO 11 84 GTAC ETR 24V 480/277V              |     |      |      |
| 2G              | 6297A240ST     | 1                 | Panel SCO 11 84 GTAC ETR 12V 240V                  |     |      |      |
| 2H              | 6297A240ST.2   | 1                 | Panel SCO 11 84 GTAC 240V 24V                      |     |      |      |
| 2I              | 62975230S.2    | 1                 | Panel SCO 11 50 GSC ETS 24V 230V Start/Stop Button |     |      |      |



**D\_PANELGRUP01\_01 Spare Parts List for Generator Panel**

| Fig.                    | Ref.     | Qty. | Descr.                                              | Obs                                                                               | From       | UpTo |
|-------------------------|----------|------|-----------------------------------------------------|-----------------------------------------------------------------------------------|------------|------|
| 1A                      | 60900091 | 4    | MICRO Relay 12V 12-20                               |                                                                                   |            |      |
| Figure A for 12V System |          |      |                                                     |                                                                                   |            |      |
| 1B                      | 60900092 | 4    | MICRO Relay 24V 24-10                               |                                                                                   |            |      |
| Figure b for 24V System |          |      |                                                     |                                                                                   |            |      |
| 2                       | 54108003 | 2    | Bolt DIN 84 M3-8 INOX.                              |  |            |      |
| 3                       | 51030003 | 4    | Washer DIN 125-3                                    |                                                                                   |            |      |
| 4                       | 52120003 | 2    | Nut DIN 934 M3 8.8                                  |                                                                                   |            |      |
| NS                      | 60972106 | 1    | System Back Panel                                   |  |            |      |
| NS                      | 60972124 | 1    | SCO 10 Panel Screw Bracket                          |  |            |      |
| NS                      | 62900001 | 1    | Rail Guide For Modular Micro Relay Holder - Fusible |  | 31/03/2023 |      |
| NS                      | 62972123 | 1    | Electrical System Back Panel SCO 11                 |  |            |      |
| NS                      | 62972124 | 1    | SCO 11 Panel Screw Bracket                          |  |            |      |



| D_SM81GTST_05_7 |          | Electrical Box for Parallel |                                                |     |      |      |
|-----------------|----------|-----------------------------|------------------------------------------------|-----|------|------|
| Fig.            | Ref.     | Qty.                        | Descr.                                         | Obs | From | UpTo |
| 1A              | 6097A500 | 1                           | Kit Paral. 68 GT 400/230V Cont/Pow 12V         |     |      |      |
| 1B              | 6097A503 | 1                           | Kit Paral. 68 GT 400/230V Cont/Pow 24V         |     |      |      |
| 1C              | 6097A501 | 1                           | Kit Paral. 68 GT 230V Cont/Pow 12V             |     |      |      |
| 1D              | 6097A502 | 1                           | Kit Paral. 68 GT 230V Cont/Pow 24V             |     |      |      |
| 1E              | 60994410 | 1                           | Kit Paral. 84 GTA 480/277V Cont/Pow 12V        |     |      |      |
| 1F              | 60994420 | 1                           | Kit Paral. 84 GTA 480/277V Cont/Pow 24V        |     |      |      |
| 1G              | 60971584 | 1                           | Parallel KIT 84 GTA 240V Control And Power 12V |     |      |      |
| 1H              | 60971586 | 1                           | Parallel Kit 84 GTA 240V Control And Power 24V |     |      |      |



| D_W1C1_1_1 |              | Genset Extension |                                                |     |      |      |
|------------|--------------|------------------|------------------------------------------------|-----|------|------|
| Fig.       | Ref.         | Qty.             | Descr.                                         | Obs | From | UpTo |
| 1A         | 60938210I    | 1                | Genset Wiring Ext. 3 M. CPC                    |     |      |      |
| 1B         | 60985210I    | 1                | Genset Wiring Ext. 4 M. CPC                    |     |      |      |
| 1C         | 60938221     | 1                | Genset Wiring Ext. 6 M. CPC                    |     |      |      |
| 1D         | 60938212     | 1                | Genset Wiring Ext. 8 M. CPC                    |     |      |      |
| 1E         | 60985210.12I | 1                | Genset Wiring Ext. 12 M. CPC                   |     |      |      |
| 1F         | 60985210.18I | 1                | Genset Wiring Ext. 18 M. CPC                   |     |      |      |
| 1G         | 60985210.24I | 1                | Genset Wiring Ext. 24 M. CPC                   |     |      |      |
| 1H         | 60985210.30I | 1                | Genset Wiring Ext. 30 M. CPC                   |     |      |      |
| 1I         | 60974552     | 1                | 3-way Wiring Wxtension for Auxiliary Kits 4 m  |     |      |      |
| 1J         | 60900165     | 1                | 3-way Wiring Extension for Auxiliary Kits 6 m  |     |      |      |
| 1K         | 60900166     | 1                | 3-way Wiring Extension for Auxiliary Kits 12 m |     |      |      |
| 1L         | 60900167     | 1                | 3-way Wiring Extension for Auxiliary Kits 24 m |     |      |      |
| 1M         | 60972104     | 1                | Double Panel SCO 12 M. Harness                 |     |      |      |
| 1N         | 60972105     | 1                | Double Panel SCO 24 M. Harness                 |     |      |      |
| 1O         | 60972110     | 1                | Double Panel SCO 36 M. Harness                 |     |      |      |
| 1P         | 60972145     | 1                | Double Panel SCO 45 M. Harness                 |     |      |      |



| D_W1C1_1_2 |          | Parallel Genset Extension |                                                      |     |            |            |
|------------|----------|---------------------------|------------------------------------------------------|-----|------------|------------|
| Fig.       | Ref.     | Qty.                      | Descr.                                               | Obs | From       | UpTo       |
| 1A         | 6097A223 | 1                         | Wiring extensions Electronic Actuator Genset SCO Pan |     | 01/06/2023 |            |
| 1B         | 6097A224 | 1                         | Wiring extensions Electronic Actuator Genset SCO Pan |     | 01/06/2023 |            |
| 1C         | 6097A221 | 1                         | Wiring Extension for Parallel Control and Power Gens |     | 01/06/2023 |            |
| 1D         | 6097A222 | 1                         | Wiring Extension for Parallel Control and Power Gens |     | 01/06/2023 |            |
| 1E         | 60974221 | 1                         | Wiring Extension 25/35/50/68 GT 6 m Electronic Actua |     |            | 31/05/2023 |
| 1F         | 60974219 | 1                         | Wiring Extension 25/35/50/68 GT 12 m Electronic Actu |     |            | 31/05/2023 |
| 1G         | 60974206 | 1                         | Wir.Ext. 25/35/50/68 GT Prep. Paral.6M               |     |            | 31/05/2023 |
| 1H         | 60974207 | 1                         | Wir.Ext. 25/35/50/68 GT Prep. Paral.12M              |     |            | 31/05/2023 |

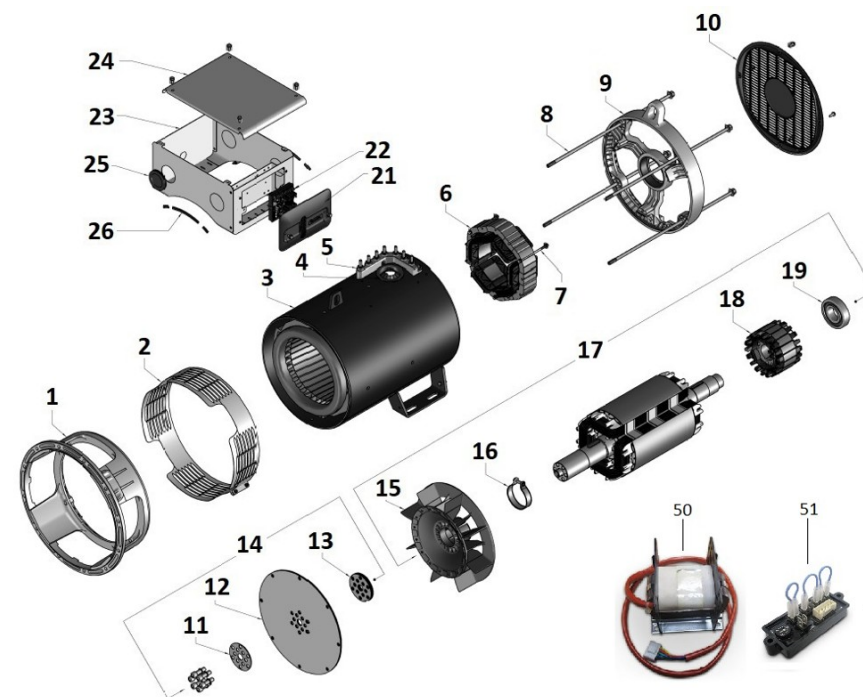


| D_SM81GSST_06_1 |                | Alternators 50 GSC |                                         |     |      |      |
|-----------------|----------------|--------------------|-----------------------------------------|-----|------|------|
| Fig.            | Ref.           | Qty.               | Descr.                                  | Obs | From | UpTo |
| 1               | 605111049ZI0RC | 1                  | Alt. MECCALTE I 49 KVA 230V C-Type (RC) |     |      |      |



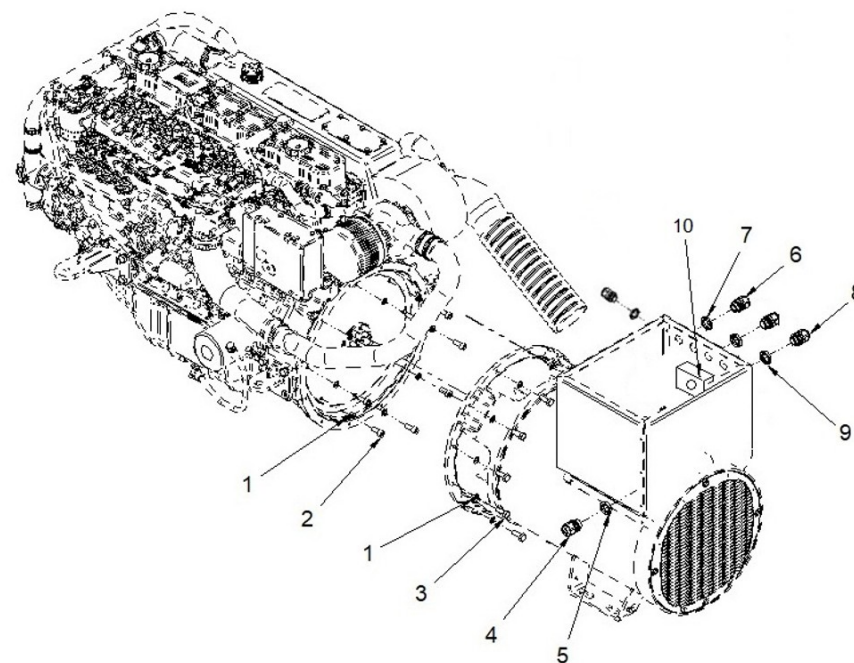
## D\_SM81GSST\_06\_2 Spare Part List Alternator Type C

| Fig. | Ref.            | Qty. | Descr.                                  | Obs                                                                                 | From | UpTo |
|------|-----------------|------|-----------------------------------------|-------------------------------------------------------------------------------------|------|------|
| 1    | 605113050ZI6.1  | 1    | Drive End Bracket                       |                                                                                     |      |      |
| 2    | 605113050ZI6.2  | 1    | Protection Screen                       |                                                                                     |      |      |
| 3    | 605113082ZI2.1  | 1    | Frame and Stator                        |                                                                                     |      |      |
| 4    | 605113050ZI6.4  | 1    | Cable Grommet diam. 70 mm               |                                                                                     |      |      |
| 5    | 605113050ZI6.5  | 1    | Terminal Board 7 Pin M8                 |                                                                                     |      |      |
| 6    | 605113050Z4.4   | 1    | Exciter Stator H-45 6P                  |                                                                                     |      |      |
| 7    | 605113050ZI6.6  | 1    | Exciter Stay Bolt H-45                  |                                                                                     |      |      |
| 8    | 605113050ZI6.7  | 1    | Cover Stay Bolt                         |                                                                                     |      |      |
| 9    | 605113050ZI6.8  | 1    | Aluminium Non Drive End Bracket         |                                                                                     |      |      |
| 10   | 605113050ZI6.9  | 1    | Rear Seal                               |                                                                                     |      |      |
| 11   | 605113050Z4.23  | 1    | Disc Bloking Ring-Spacer                |                                                                                     |      |      |
| 12   | 605113050ZI6.10 | 1    | Disc SAE 11,5                           |                                                                                     |      |      |
| 15   | 605113050Z4.17  | 1    | Plastic Fan                             |                                                                                     |      |      |
| 17   | 605113082ZI2.2  | 1    | Rotor Assy                              |                                                                                     |      |      |
| 18   | 605113050ZI6.12 | 1    | Exciter Armature H-45 6P (+ Diodes T30) |                                                                                     |      |      |
| 21   | M9909505310     | 1    | Regulator Cap                           |                                                                                     |      |      |
| 22   | 60500023.1      | 1    | Electronic Regulator DSR                |                                                                                     |      |      |
| 23   | M7510603373     | 1    | Terminal Box                            |                                                                                     |      |      |
| 24   | M9903910114     | 1    | Terminal Box Lid                        |                                                                                     |      |      |
| 25   | 605113050Z4.12  | 1    | Cable Grommet                           |                                                                                     |      |      |
| 26   | 605113050Z4.8   | 1    | PVC Rubber Profile                      |                                                                                     |      |      |
| 50   | 60511386P       | 1    | PD500 Parallel Device                   |                                                                                     |      |      |
| 51   | 60511387P       | 1    | PD-I Parallel Device                    |                                                                                     |      |      |
| NS   | 605113050Z4.25  | 1    | Kit USB2DxR                             |  |      |      |
| NS   | 60511315.1.11   | 1    | Diode Bridge T30                        |  |      |      |

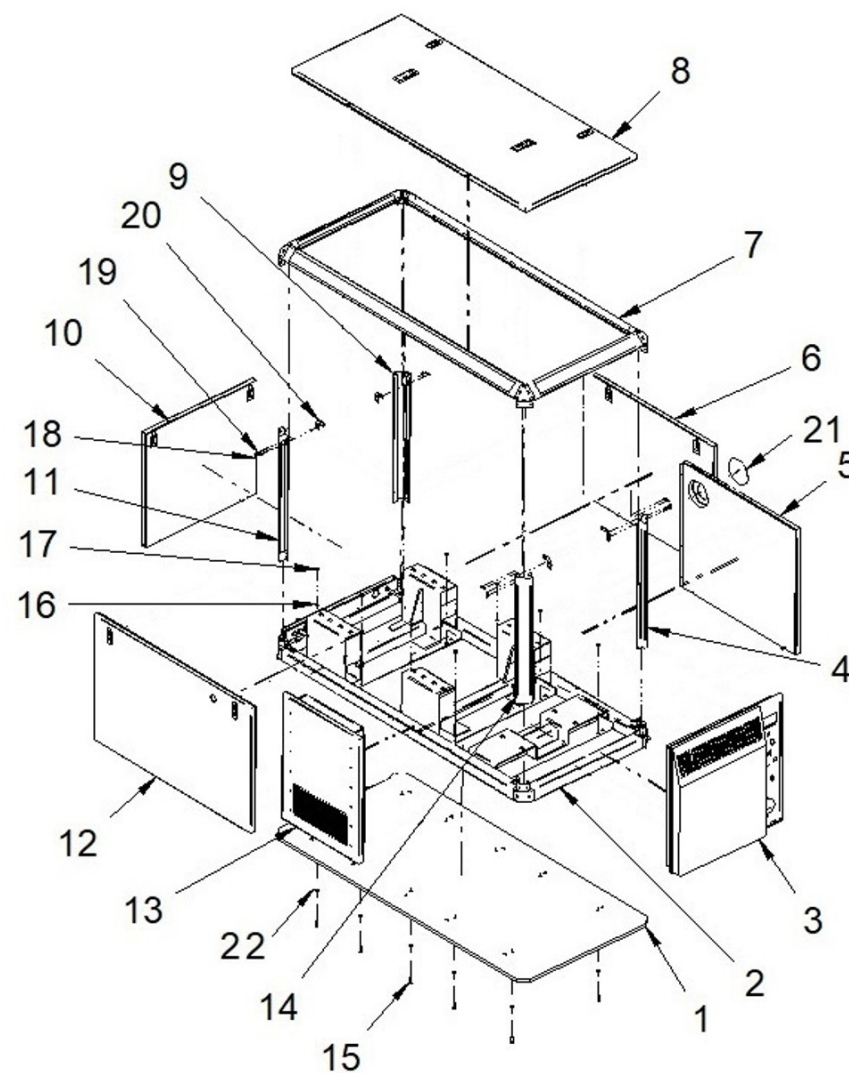


**D\_6057A068**      **Alternator Kit With Cabin 230V**

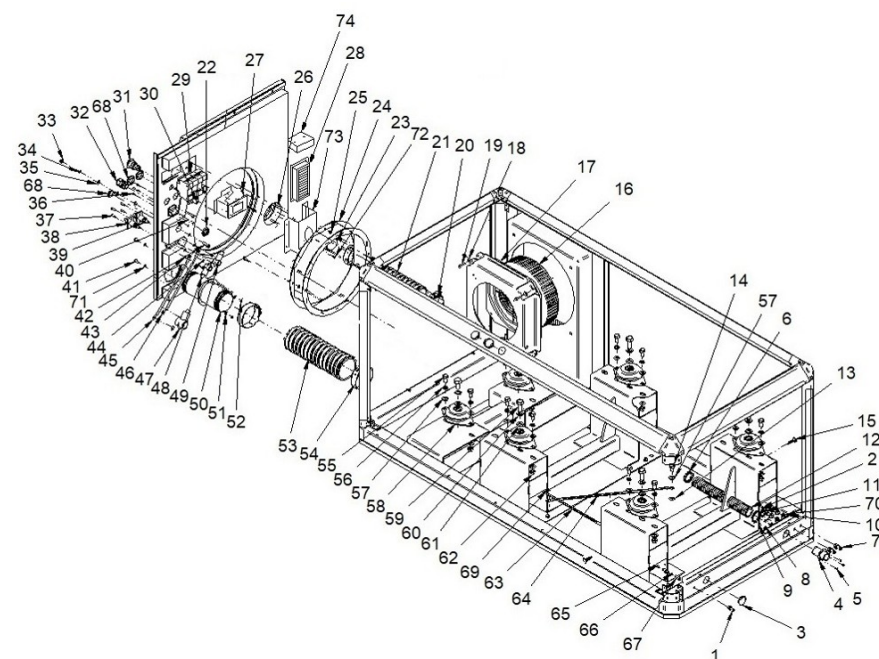
| Fig. | Ref.       | Qty. | Descr.                                  | Obs | From | UpTo |
|------|------------|------|-----------------------------------------|-----|------|------|
| 1    | 53033010   | 20   | Washer GROWER DIN 127-10                |     |      |      |
| 2    | 52103308   | 8    | Bolt DIN 912 M10-25 8.8                 |     |      |      |
| 3    | 52102309   | 12   | Bolt DIN 933 M10-30 8.8                 |     |      |      |
| 4    | 60900304   | 1    | Connector Press PA Grey IP68 M16        |     |      |      |
| 5    | 60900307   | 1    | Screw Connector Press PA Grey IP68 M16  |     |      |      |
| 6    | 60900306   | 2    | Connector Press CAPTOR-2000 M25 RAL7001 |     |      |      |
| 7    | 60900309   | 2    | Screw Connector Press Captor-2000 M25   |     |      |      |
| 8    | 60900313   | 2    | Cable Gland Captor-2000 PG29            |     |      |      |
| 9    | 60900314   | 2    | Hexagonal Locknut Captor-2000 PG29      |     |      |      |
| 10   | 60994161.2 | 3    | Amperometric Transformer 200/5A         |     |      |      |



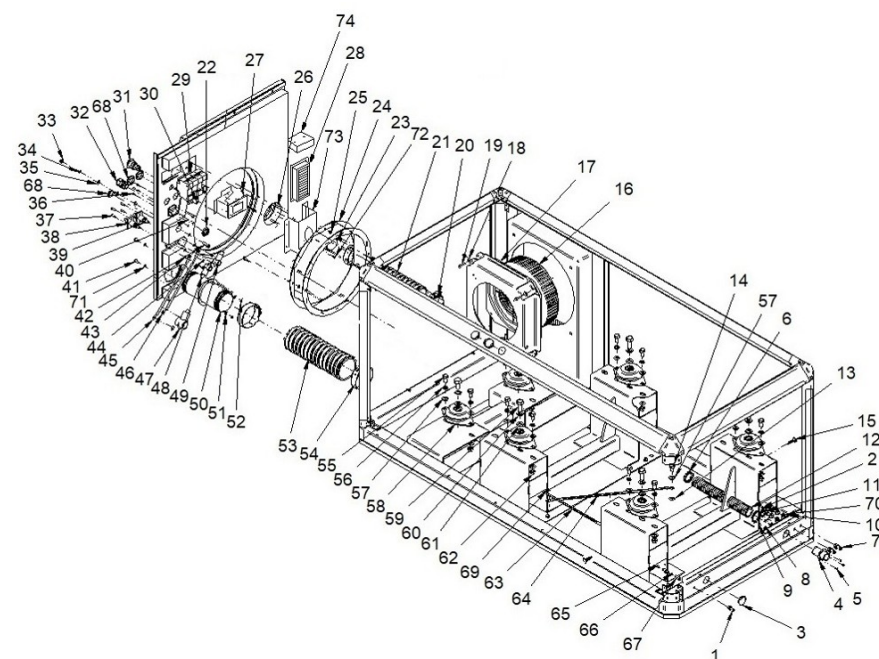
| D_SM81GSST_09_1 |              | Canopy |                                  |     |      |      |
|-----------------|--------------|--------|----------------------------------|-----|------|------|
| Fig.            | Ref.         | Qty.   | Descr.                           | Obs | From | UpTo |
| 1               | 60575047.10  | 1      | Baseboard                        |     |      |      |
| 2               | 60575047.61  | 1      | Bottom Frame                     |     |      |      |
| 3               | 6057A042.25  | 1      | Back Panel                       |     |      |      |
| 4               | 60575041.31  | 1      | VERTICAL BAR                     |     |      |      |
| 5               | 6057A041.21A | 1      | Left Fixed Acoustic Wall Panel . |     |      |      |
| 6               | 6057A041.21B | 1      | Left Side Panel                  |     |      |      |
| 7               | 60575041.30  | 1      | Upper FRAME                      |     |      |      |
| 8               | 60575041.20  | 1      | Upper Panel                      |     |      |      |
| 9               | 60575041.32  | 1      | VERTICAL BAR                     |     |      |      |
| 10              | 60575041.24  | 1      | FrontAL Panel                    |     |      |      |
| 11              | 60575041.03  | 1      | VERTICAL BAR                     |     |      |      |
| 12              | 60575041.22B | 1      | RIGHT Side Panel MOBILE          |     |      |      |
| 13              | 6057A041.22A | 1      | Out Side Air Fixed Panel         |     |      |      |
| 14              | 60575041.04  | 1      | VERTICAL BAR                     |     |      |      |
| 15              | 52103258     | 10     | Bolt DIN 912 M8-25 8.8           |     |      |      |
| 16              | 53033008     | 9      | Washer GROWER DIN 127-8          |     |      |      |
| 17              | 52120008     | 10     | Nut DIN 934 M8 8.8               |     |      |      |
| 18              | 53105104     | 8      | Bolt DIN 7991 M5-10 12.9         |     |      |      |
| 19              | 51058054     | 22     | Aluminium Rivet 4.0 X 10         |     |      |      |
| 20              | 60573041.43  | 4      | L Fastening Bracket              |     |      |      |
| 21              | 60594042.62  | 1      | Dry Exhaust Cover                |     |      |      |
| 22              | 51030008     | 19     | Washer DIN 125-8                 |     |      |      |



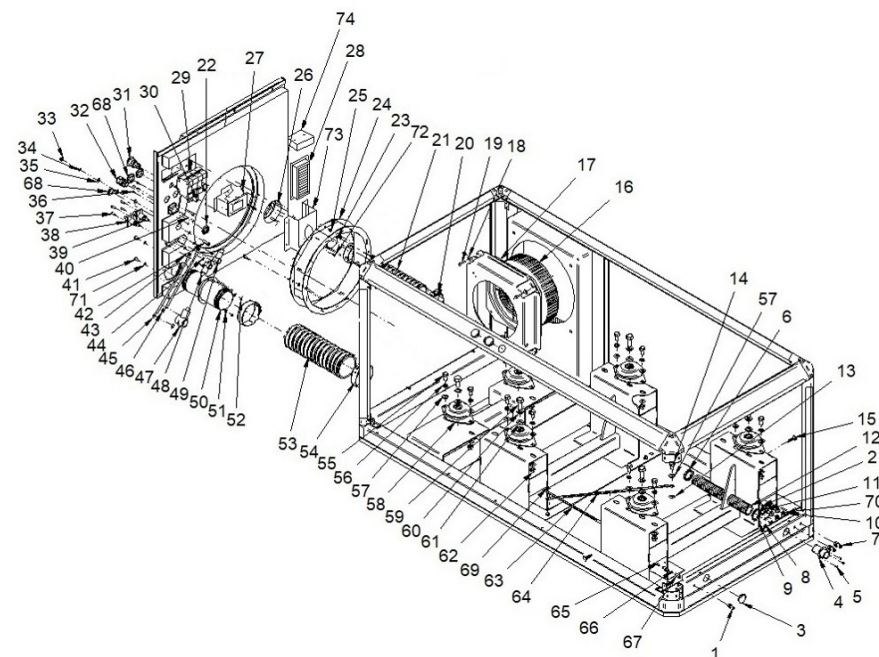
| D_SM81GSST_09_2 |              | Canopy Kit |                                          |     |      |      |
|-----------------|--------------|------------|------------------------------------------|-----|------|------|
| Fig.            | Ref.         | Qty.       | Descr.                                   | Obs | From | UpTo |
| 1               | 13814072     | 2          | Straight Hose Connector 1/8" NPTF        |     |      |      |
| 2               | M81511019    | 2.0        | Fuel Hose D. 10-19                       |     |      |      |
| 3               | 60900508     | 3          | Shutter 31                               |     |      |      |
| 4               | 60571015     | 1          | Sea Water Wall PASS                      |     |      |      |
| 5               | 54118054     | 3          | Bolt DIN 7985 M4-10 INOX                 |     |      |      |
| 6               | 51030016     | 6          | Washer DIN 125-16                        |     |      |      |
| 6               | 54082025     | 2          | Clamp DIN 3017 25-40/12 W4               |     |      |      |
| 7               | 60594041.39  | 4          | Gasoil Wall Bushing D12 MALE             |     |      |      |
| 8               | 51058054     | 3          | Aluminium Rivet 4.0 X 10                 |     |      |      |
| 9               | 52120004     | 3          | Nut DIN 934 M4 8.8                       |     |      |      |
| 10              | 60594041.40  | 2          | ROD Coupling 3/8 BSP                     |     |      |      |
| 11              | 51086018     | 4          | ONE EAR Clamp With INTERIOR Ring 16-18,3 |     |      |      |
| 12              | M87503242    | 0.0        | Water Intake Hose (HQ) D. 32-42          |     |      |      |
| 13              | 53038012     | 1          | Washer DIN 6798-A 12                     |     |      |      |
| 14              | 52102357     | 1          | Bolt DIN 933 M12-20 8.8                  |     |      |      |
| 15              | 58018160     | 4          | Screw                                    |     |      |      |
| 16              | 6057A050     | 1          | Centrifugal Fan PSB 230V                 |     |      |      |
| 17              | 6057A041.23B | 1          | Air Outlet Aluminium Sheet Box           |     |      |      |
| 18              | 51031006     | 17         | Washer DIN 9021 6                        |     |      |      |
| 19              | 52102159     | 4          | Bolt DIN 933 M6-30 8.8                   |     |      |      |
| 20              | 54083063     | 3          | GP Clamp 63-68 W4 STC                    |     |      |      |
| 20              | 54083079     | 2          | GP Clamp 68-73 W4 STC                    |     |      |      |
| 21              | M88506072    | 1.0        | Exhaust Hose D. 60                       |     |      |      |
| 21              | M88576300    | 1.0        | Air Aspiration Hose D. 63                |     |      |      |
| 22              | 60900314     | 3          | Hexagonal Locknut Captor-2000 PG29       |     |      |      |
| 23              | 60574043.47  | 1          | Air Connection D.60                      |     |      |      |
| 24              | 60575041.25G | 1          | Spacer Ring                              |     |      |      |
| 25              | 51123006     | 4          | Nut DIN 985 M6 5.6                       |     |      |      |
| 26              | 52102157     | 16         | Bolt DIN 933 M6-20 8.8                   |     |      |      |
| 27              | 60574043.43  | 1          | Circuit Breaker Bracket                  |     |      |      |
| 28              | 17A10038     | 1          | Flat Air Filter 199x90                   |     |      |      |



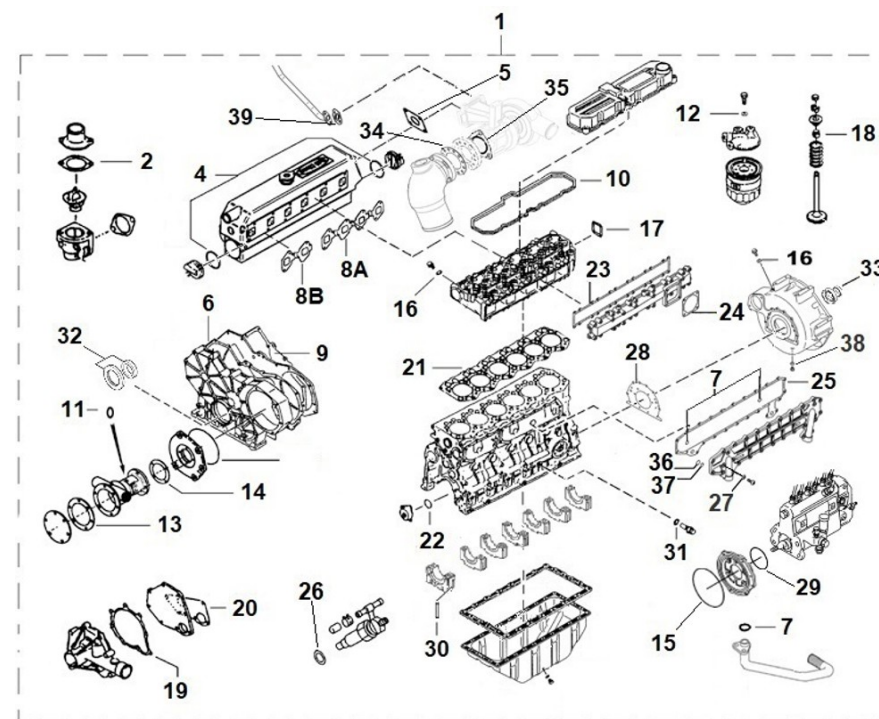
| D_SM81GSST_09_2 |            | Canopy Kit |                                                |     |      |      |
|-----------------|------------|------------|------------------------------------------------|-----|------|------|
| Fig.            | Ref.       | Qty.       | Descr.                                         | Obs | From | UpTo |
| 29              | 60994026   | 1          | NSX250N + Control Unit 6.2                     |     |      |      |
| 30              | 60900511   | 1          | Stop PUSH BOTTOM Body                          |     |      |      |
| 31              | 60900510   | 1          | Emergency Stop PUSH BOTTOM                     |     |      |      |
| 32              | 60900313   | 3          | Cable Gland Captor-2000 PG29                   |     |      |      |
| 33              | 54120008   | 2          | Nut DIN 934 M8                                 |     |      |      |
| 34              | 53038008   | 5          | Washer DIN 6798-A 8                            |     |      |      |
| 35              | 54030008   | 3          | Washer DIN 125-8 INOX.                         |     |      |      |
| 36              | 54118004   | 4          | Bolt DIN 7985 M3-10 INOX                       |     |      |      |
| 37              | 54118106   | 4          | Bolt DIN 7985 M5-16 INOX                       |     |      |      |
| 38              | 60573047   | 1          | Battery Plug IN                                |     |      |      |
| 39              | 60573048   | 1          | Battery Plug IN                                |     |      |      |
| 40              | 52120003   | 4          | Nut DIN 934 M3 8.8                             |     |      |      |
| 41              | 54118156   | 2          | Bolt DIN 7985 M6-16 INOX                       |     |      |      |
| 42              | 54103258   | 1          | Bolt DIN 912 M8-25 INOX.                       |     |      |      |
| 43              | 51030005   | 4          | Washer DIN 125-5                               |     |      |      |
| 44              | 52120005   | 4          | Nut DIN 934 M5 8.8                             |     |      |      |
| 45              | 60975003   | 1          | Negative Black Battery Wiring Sec. 50 mm - 2 m |     |      |      |
| 46              | 60971037   | 1          | Positive Battery Red Wiring Sec. 50 mm - 1.5 m |     |      |      |
| 47              | 60994045   | 1          | Ter. Protective 32 Red                         |     |      |      |
| 48              | 60972091   | 1          | TER. PROTECTIVE 20 BLACK                       |     |      |      |
| 49              | 60972090   | 1          | TER. PROTECTIVE 20 RED                         |     |      |      |
| 50              | 60594028   | 1          | Exhaust Wall PASS D90                          |     |      |      |
| 51              | 53033006   | 2          | Washer GROWER DIN 127-6                        |     |      |      |
| 52              | 54120006   | 2          | Nut DIN 934 M6 INOX                            |     |      |      |
| 53              | M885090102 | 1.0        | Exhaust Hose D. 90                             |     |      |      |
| 54              | 54086097   | 2          | GP Clamp 97-104 W4 STC                         |     |      |      |
| 55              | 52102358   | 12         | Bolt DIN 933 M12-25 8.8                        |     |      |      |
| 56              | 53033012   | 12         | Washer Grower DIN 127-12                       |     |      |      |
| 57              | 51030012   | 25         | Washer DIN 125-12                              |     |      |      |
| 58              | 61674007   | 6          | Engine Mount Type F BRB 110 A40 SHA M16 H 41   |     |      |      |
| 59              | 52102461   | 6          | Bolt DIN 933 M16-40 8.8                        |     |      |      |



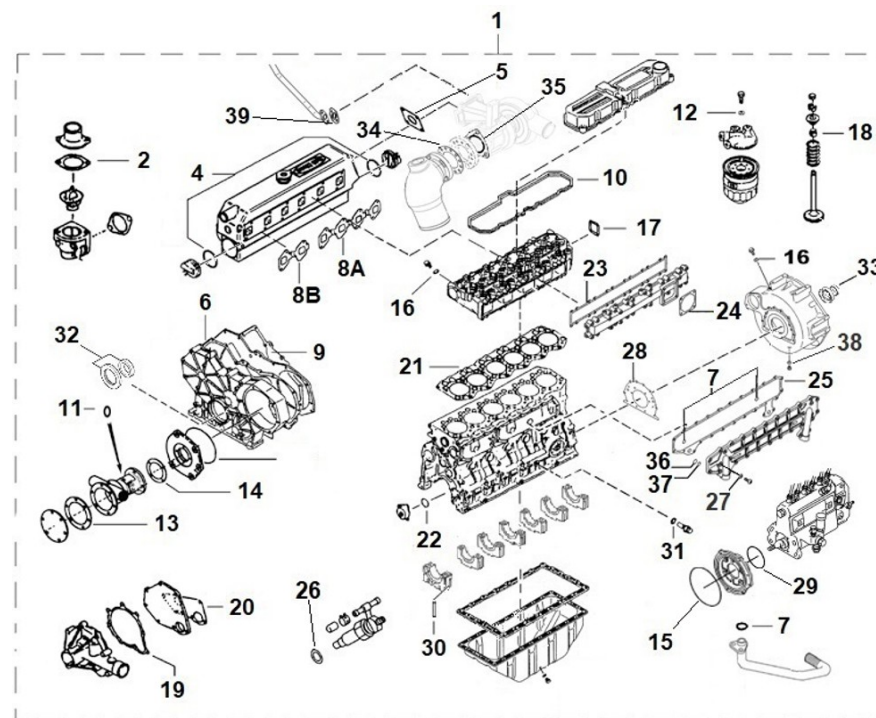
| D_SM81GSST_09_2 |               | Canopy Kit |                                       |                                                                                     |      |      |
|-----------------|---------------|------------|---------------------------------------|-------------------------------------------------------------------------------------|------|------|
| Fig.            | Ref.          | Qty.       | Descr.                                | Obs                                                                                 | From | UpTo |
| 60              | 53033016C     | 6          | Washer                                |                                                                                     |      |      |
| 62              | 52120012      | 12         | Nut DIN 934 M12 8.8                   |                                                                                     |      |      |
| 63              | 60975074      | 1          | Panel Back 0,66 M. Wiring GROUND ALT. |                                                                                     |      |      |
| 64              | 60975073      | 1          | CHASSIS 0,5 M. TO MOTOR Wiring GROUND |                                                                                     |      |      |
| 65              | M80501006     | 1.0        | Hose D.10-6                           |                                                                                     |      |      |
| 66              | 57000361      | 1          | Washer 10-14-1,5                      |                                                                                     |      |      |
| 67              | 60573041.39   | 1          | ROD Coupling 1/8 BSP                  |                                                                                     |      |      |
| 68              | 60900506      | 6          | Shutter 22                            |                                                                                     |      |      |
| 69              | 51030008      | 4          | Washer DIN 125-8                      |                                                                                     |      |      |
| 70              | 57000375      | 2          | Washer 17-22-1,5                      |                                                                                     |      |      |
| 71              | 54030006      | 2          | Washer DIN 125-6 INOX.                |                                                                                     |      |      |
| 72              | 53033005      | 7          | Washer GROWER DIN 127-5               |                                                                                     |      |      |
| 73              | 6057A042.261  | 1          | Air Filter Box                        |                                                                                     |      |      |
| 74              | 6057A042.262  | 1          | Air Filter Box Cover                  |                                                                                     |      |      |
| NS              | 17810011      | 1          | PIPE JOIN                             |    |      |      |
| NS              | 52102256      | 1          | Bolt DIN 933 M8-16 8.8                |    |      |      |
| NS              | 53038010      | 1          | Washer DIN 6798-A 10                  |    |      |      |
| NS              | 58088281      | 1          | Pastic Cable Zip Tie                  |    |      |      |
| NS              | 58088282      | 3          | Pastic Cable Zip Tie                  |    |      |      |
| NS              | 58088283      | 2          | Pastic Cable Zip Tie                  |   |      |      |
| NS              | 58088284      | 15         | Pastic Cable Zip Tie                  |  |      |      |
| NS              | CA.1.0.AM     | 0.0        | CABLE SEC.1.0 YELLOW                  |  |      |      |
| NS              | CA.1.5.AZ     | 0.0        | CABLE SEC.1.5 BLUE                    |  |      |      |
| NS              | CA.1.5.M      | 0.0        | CABLE SEC.1.5 BROWN                   |  |      |      |
| NS              | CAP.FLEXI0048 | 1          | Rubber Cap D. 4.8 X 13                |  |      |      |
| NS              | CAP.FLEXI0111 | 2          | Rubber Cap D. 11,1x19,1               |  |      |      |
| NS              | M81101013     | 0.0        | Tube D. 10                            |  |      |      |



| D_17A20101 |          | Gasket Kit |                         |     |      |            |
|------------|----------|------------|-------------------------|-----|------|------------|
| Fig.       | Ref.     | Qty.       | Descr.                  | Obs | From | UpTo       |
| 1          | 17A20101 | 1          | Gasket Kit              |     |      |            |
| 2          | 17111021 | 2          | Gasket                  |     |      |            |
| 4          | 18011008 | 2          | O-Ring D. 72X3          |     |      |            |
| 5          | 17A13002 | 1          | Exhaust Gasket          |     |      |            |
| 6          | 17420040 | 1          | Gasket,Gear             |     |      |            |
| 7          | 17424060 | 3          | O-Ring D. 22X2,4        |     |      |            |
| 8A         | 17421035 | 1          | Gasket,Exhaust Manifold |     |      |            |
| 8B         | 17521035 | 1          | Gasket                  |     |      |            |
| 9          | 17420018 | 1          | Gasket,Front Plate      |     |      |            |
| 10         | 17521010 | 1          | Gasket,Rocker Cover     |     |      |            |
| 11         | 33311013 | 1          | O-Ring D. 15X2          |     |      |            |
| 12         | 13125025 | 1          | Washer                  |     |      |            |
| 13         | 34711003 | 1          | Gasket Cover            |     |      |            |
| 14         | 13310013 | 1          | Gasket,water pump       |     |      |            |
| 15         | 17420047 | 2          | O-Ring D. 140X2         |     |      |            |
| 16         | 17121013 | 2          | Gasket                  |     |      |            |
| 17         | 17421011 | 1          | Gasket                  |     |      |            |
| 18         | 17422054 | 12         | Seal,Valve Stem         |     |      | 21/01/2020 |
| 19         | 17421022 | 1          | Gasket,Pump Cover       |     |      |            |
| 20         | 17421041 | 1          | Gasket,Side Cover       |     |      |            |
| 21         | 17521004 | 1          | Cylinder Head Gasket    |     |      |            |
| 22         | 17424055 | 1          | O-Ring D. 60X2          |     |      |            |
| 23         | 17521032 | 1          | Gasket,IN.MANIFOLD      |     |      |            |
| 24         | 17421042 | 1          | Gasket                  |     |      |            |
| 25         | 17524035 | 1          | Gasket,Oil Cooler       |     |      |            |
| 26         | 17024013 | 6          | Gasket Nozzle           |     |      |            |
| 27         | 17524007 | 6          | Gasket                  |     |      |            |
| 28         | 17420025 | 1          | Gasket,Rear             |     |      |            |
| 29         | 17520075 | 1          | O-Ring D. 75X25         |     |      |            |
| 30         | 17420112 | 2          | Seal,Valve              |     |      |            |
| 31         | 17424008 | 10         | Washer,Sealing          |     |      |            |

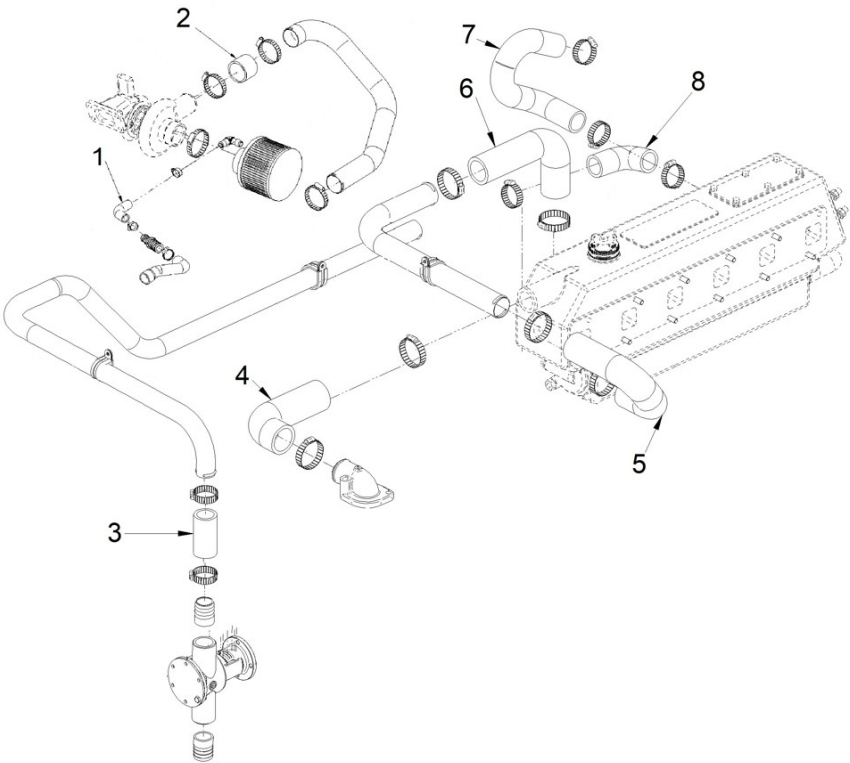


| D_17A20101 |            | Gasket Kit |                      |     |      |      |
|------------|------------|------------|----------------------|-----|------|------|
| Fig.       | Ref.       | Qty.       | Descr.               | Obs | From | UpTo |
| 32A        | 17420039   | 1          | Oil Seal             |     |      |      |
| 32B        | 17420039.1 | 1          | Seal Assy,Oil        |     |      |      |
| 33         | 13320063   | 1          | Seal Oil             |     |      |      |
| 34         | 16513016   | 1          | Exhaust Elbow Gasket |     |      |      |
| 35         | 17A21014   | 1          | Turbo Gasket         |     |      |      |
| 36         | 17520017   | 2          | O-Ring D. 30X3,4     |     |      |      |
| 37         | 17520072   | 2          | O-Ring D. 42X3,4     |     |      |      |
| 38         | 56000077   | 1          | Washer 18-23-1,5     |     |      |      |
| 39         | 17524091   | 1          | Gasket,Oil Pipe      |     |      |      |



17A11100 Pipe Rubber Set,Water Line SM-81

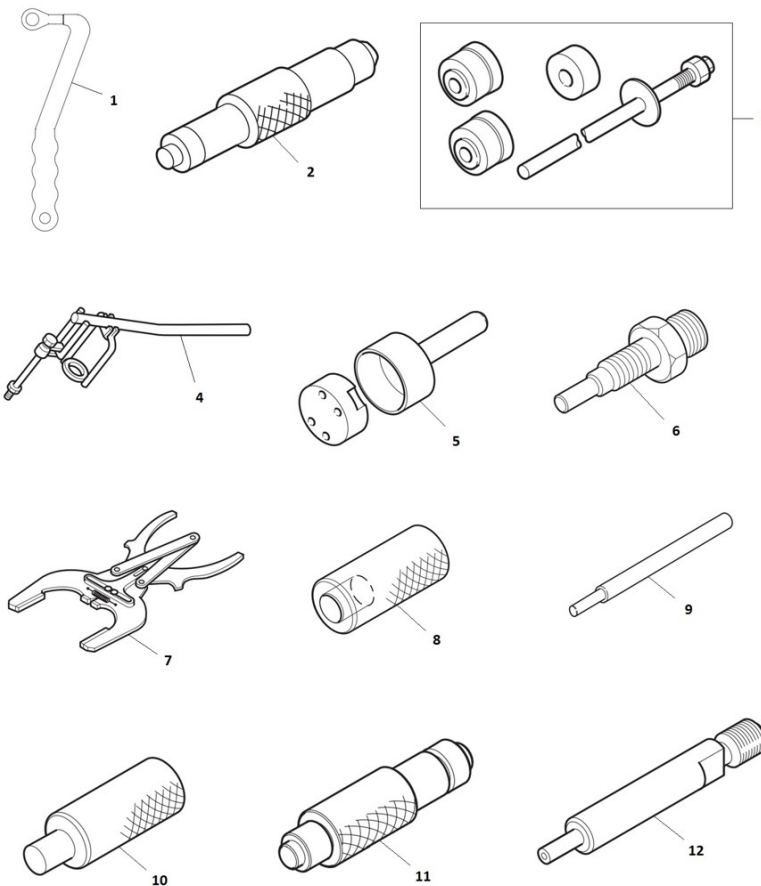
| Fig. | Ref.     | Qty. | Descr.                         | Obs | From | UpTo |
|------|----------|------|--------------------------------|-----|------|------|
| 1    | 17A10008 | 1    | Eng. Exit Breather Hose        |     |      |      |
| 2    | 17A10034 | 1    | Silicone Hose Straight D50 L65 |     |      |      |
| 3    | 13611038 | 1    | Pipe 30-40-75                  |     |      |      |
| 4    | 17411013 | 1    | Thermostat Water Outlet Elbow  |     |      |      |
| 5    | 16711016 | 1    | Rubber Elbow                   |     |      |      |
| 6    | 17511013 | 1    | Elbow                          |     |      |      |
| 7    | 17811034 | 1    | Rubber Wet Exhaust Inlet Bend  |     |      |      |
| 8    | 17411035 | 1    | Elbow Rubber                   |     |      |      |



D\_UTILFA0971\_1

## Special Tools

| Fig. | Ref.        | Qty. | Descr.                           | Obs | From | UpTo |
|------|-------------|------|----------------------------------|-----|------|------|
| 1    | 13811063    | 1    | Refrigerator Mounting Key        |     |      |      |
| 2    | U3009107300 | 1    | Idler Bushing Installer          |     |      |      |
| 3    | U3069100010 | 1    | Camshaft Bushing Installer Set   |     |      |      |
| 4    | U3069104500 | 1    | Valve Spring Pusher              |     |      |      |
| 5    | U3069113010 | 1    | Oil seal sleeve installer set    |     |      |      |
| 6    | U3069121100 | 1    | Gauge Adapter                    |     |      |      |
| 7    | UMM74007    | 1    | Piston Ring Pliers               |     |      |      |
| 8    | U32A9100100 | 1    | Valve Guide Installer            |     |      |      |
| 9    | U32A9100300 | 1    | Valve Guide Remover              |     |      |      |
| 10   | U32A9100400 | 1    | Oil Pump Bushing Installer       |     |      |      |
| 11   | U32A9100500 | 1    | Connecting rod bushing puller    |     |      |      |
| 12   | U32A9101100 | 1    | Gauge adapter (direct injection) |     |      |      |



D\_UTILFA0971\_2 Special Tools

| Fig. | Ref.        | Qty. | Descr.                           | Obs | From | UpTo |
|------|-------------|------|----------------------------------|-----|------|------|
| 14   | 19440400.2  | 1    | Compression Manometer 10-60 Bar  |     |      |      |
| 15   | U3449100200 | 1    | Piston Installer                 |     |      |      |
| 16   | U3449103020 | 1    | Valve Sheet Insert Caulking Tool |     |      |      |
| 17   | U3679100200 | 1    | Valve Sheet Insert Caulking Tool |     |      |      |
| 18   | UMH061077   | 1    | Idler Shaft Puller               |     |      |      |

