



## Part list

Genset 115 GT/GTC & 120 GTA/GTAC TAC



## 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

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Spare parts requests must be addressed to :

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

Telf.: +34 93 775 44 05

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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
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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.

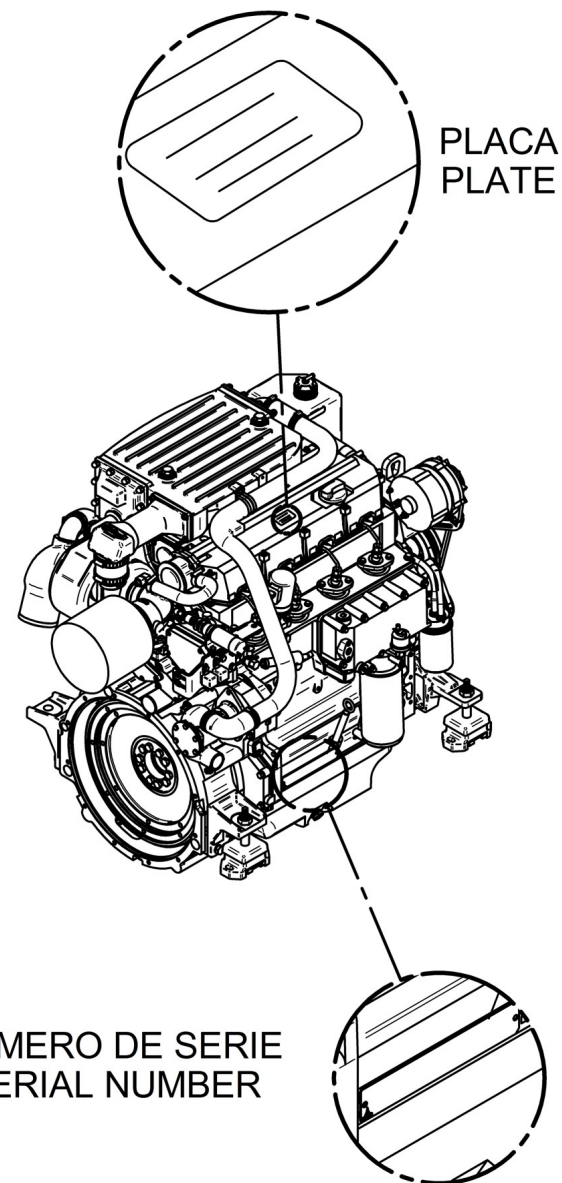
In case of doubt, contact Solé Advance, or your authorized dealer.

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

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

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### Engine Body

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Piston & Connectiong Rod  
Crankshaft & Flywheel  
Oil Sysem  
Oil Pan  
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### Inlet & Exhaust

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Inlet  
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Spare Parts, Turbocharger  
Manifold Assy,exhaust  
Breather Line

### Cooling System

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Water Pump  
Cooler Pipes  
Water Cooler Assy SDZ-109/165/175E  
Wet Exhaust  
Expansion Tank  
Key Pump SDZ-165/205/280 Gr-109/165

### Fuel System

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Fuel Pipe And Fuel Leak Alarm  
Injection Nozzle  
Fuel Injection Pump

Regulator  
Fuel Supply Parts  
Feed Pump

### Electrical System

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24V Electrical System  
Control Cabinets  
Genset Extension TAC

### Genset Alternator Spare Parts

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Alternator 115 GT/GTC & 120 GTA/GTAC Parallel  
Spare Part List Alternator Type C 115GT Y 120 GTA  
Alternator Spare Parts TYPE B 115GT Y 100 GTA UP TO 29/12/2021

### Genset Alternator Kit

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Alternator Kit Without Canopy  
Alternator Kit with Canopy

### Chassis Spare Parts

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Genset Chassis  
Chassis

### Canopy Spare Parts

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Cabin  
Kit Cabin

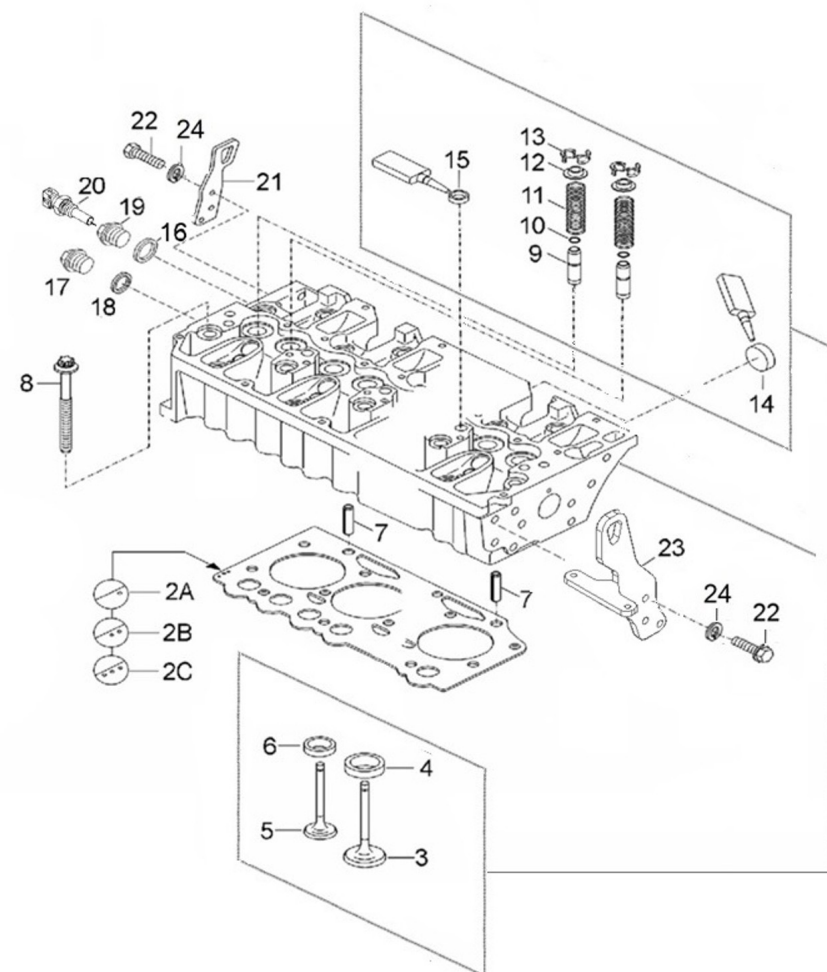
### Maintenance Kit

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Gasket Kit  
Fuel Filter  
Hand Pump  
Pipe Rubber Set, Water Line  
Repair Kit Water Pump  
Special Tools 1/4  
Special Tools 2/4  
Special Tools 3/4  
Special Tools 4/4

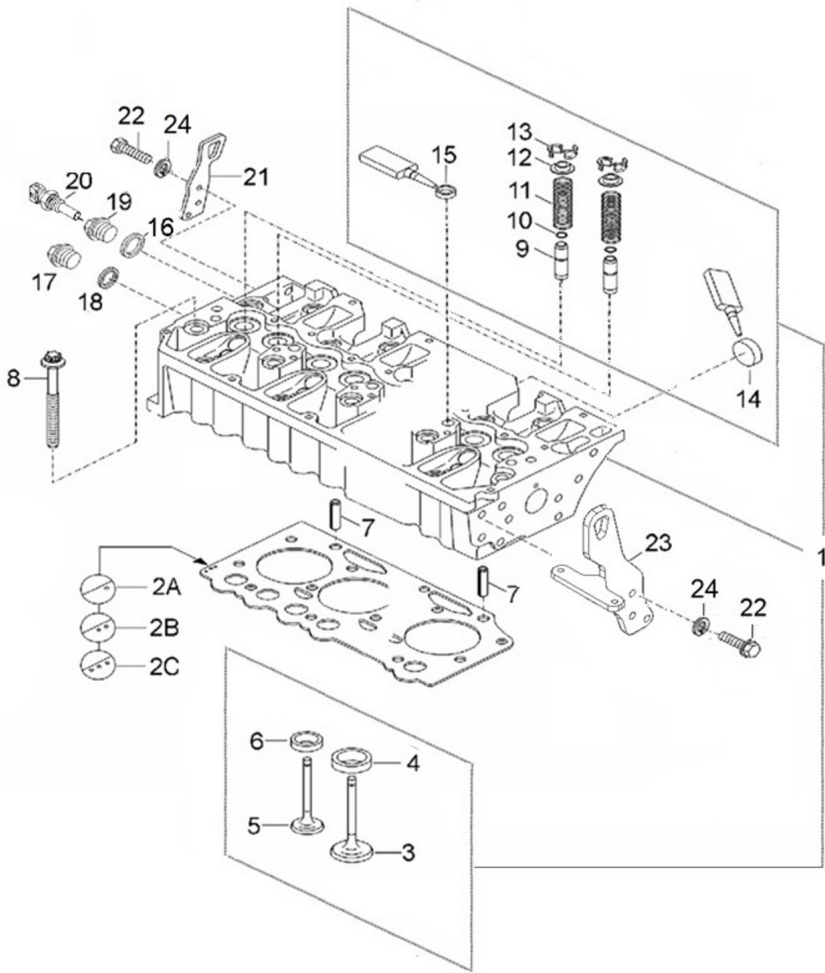
**D SDZ109EGTDN 01 1 Cylinder Head**

| Fig. | Ref.       | Qty. | Descr.                           | Obs | From | UpTo |
|------|------------|------|----------------------------------|-----|------|------|
| 1    | 19421001G  | 1    | Cylinder Head                    |     |      |      |
| 2A   | 19421004.4 | 1    | Cylind.head gasket               |     |      |      |
| 2B   | 19421004.3 | 1    | Cylind.Head Gasket 1,64 mm       |     |      |      |
| 2C   | 19421004.5 | 1    | Cylind.head gasket               |     |      |      |
| 3    | 19522055   | 4    | Intake Valve                     |     |      |      |
| 4A   | 19421061   | 4    | Valve Seat INSERT                |     |      |      |
| 4B   | 19421061.1 | 4    | OverSIZE Valve Seat INSERT - 1ST |     |      |      |
| 4C   | 19421061.2 | 4    | OverSIZE Valve Seat INSERT - 2nd |     |      |      |
| 5    | 19522056   | 4    | Exhaust Valve                    |     |      |      |
| 6A   | 19421062   | 4    | Valve Seat INSERT                |     |      |      |
| 6B   | 19421062.3 | 4    | Oversize Valve seat insert - 1A  |     |      |      |
| 6C   | 19421062.4 | 4    | Oversize Valve seat insert -2    |     |      |      |
| 7    | 19421007   | 2    | ClampING Bush                    |     |      |      |
| 8    | 19421005   | 18   | Bolt,cylinder head               |     |      |      |
| 9A   | 19421002A  | 8    | Valve Guide                      |     |      |      |
| 9B   | 19421002.1 | 8    | OverSIZE Valve Guide - 1ST       |     |      |      |
| 9C   | 19421002.2 | 8    | OverSIZE Valve Guide - 2nd       |     |      |      |
| 10   | 19422054   | 8    | O-Ring                           |     |      |      |
| 11   | 19422057   | 8    | COMPRESSION Spring               |     |      |      |
| 12   | 19422058   | 8    | VALV.Spring RETAIN               |     |      |      |
| 13   | 19422059   | 16   | Valve COLLET                     |     |      |      |
| 14   | 19420011   | 2    | Plug                             |     |      |      |
| 15   | 19421008   | 3    | CORE Hole Plug                   |     |      |      |
| 16   | 19421019   | 1    | SealING Ring                     |     |      |      |
| 17   | 19420071.1 | 1    | Screw Plug                       |     |      |      |
| 18   | 19421016   | 1    | SealING Ring                     |     |      |      |
| 19   | 19417003   | 1    | Adapter Plug                     |     |      |      |
| 20   | 19427189.1 | 1    | Temperature transmitter          |     |      |      |
| 21   | 19410020   | 1    | Bracket                          |     |      |      |
| 22   | 52102308   | 5    | Bolt DIN 933 M10-25 8.8          |     |      |      |
| 23   | 19414007   | 1    | Bracket 2nd Filter               |     |      |      |



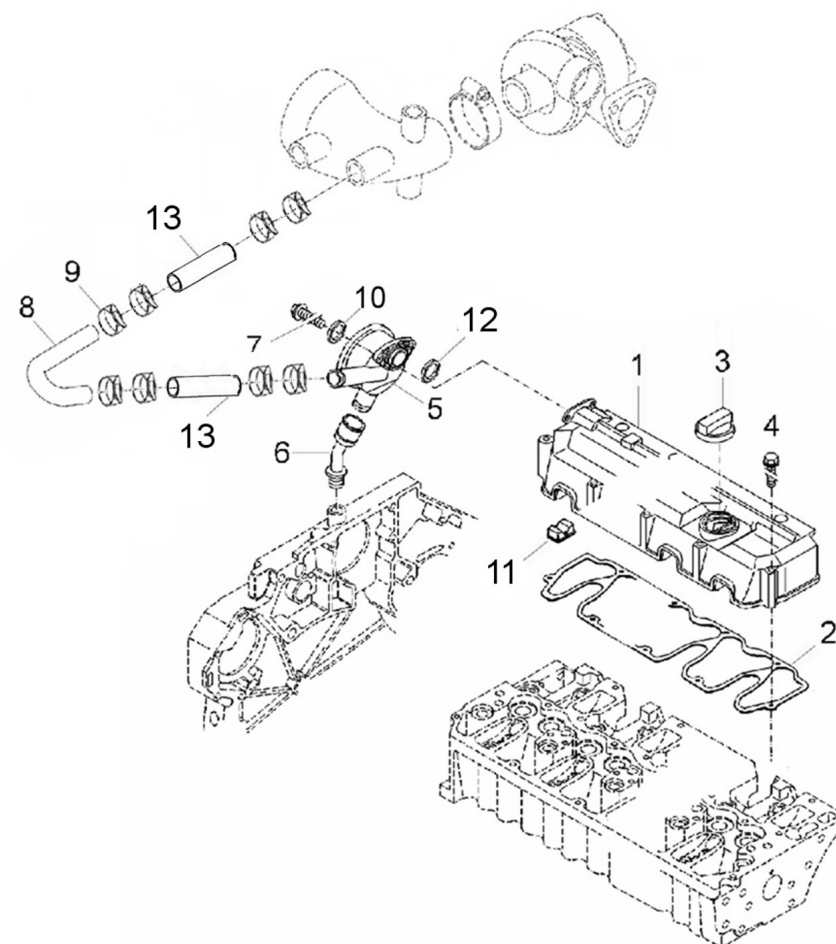
D SDZ109EGTDN 01 1      Cylinder Head

| Fig. | Ref.     | Qty. | Descr.                   | Obs                                                                               | From | UpTo |
|------|----------|------|--------------------------|-----------------------------------------------------------------------------------|------|------|
| 24   | 53033010 | 5    | Washer GROWER DIN 127-10 |                                                                                   |      |      |
| NS   | 19421017 | 1    | SAFETY/LOCK.AGENT        |  |      |      |



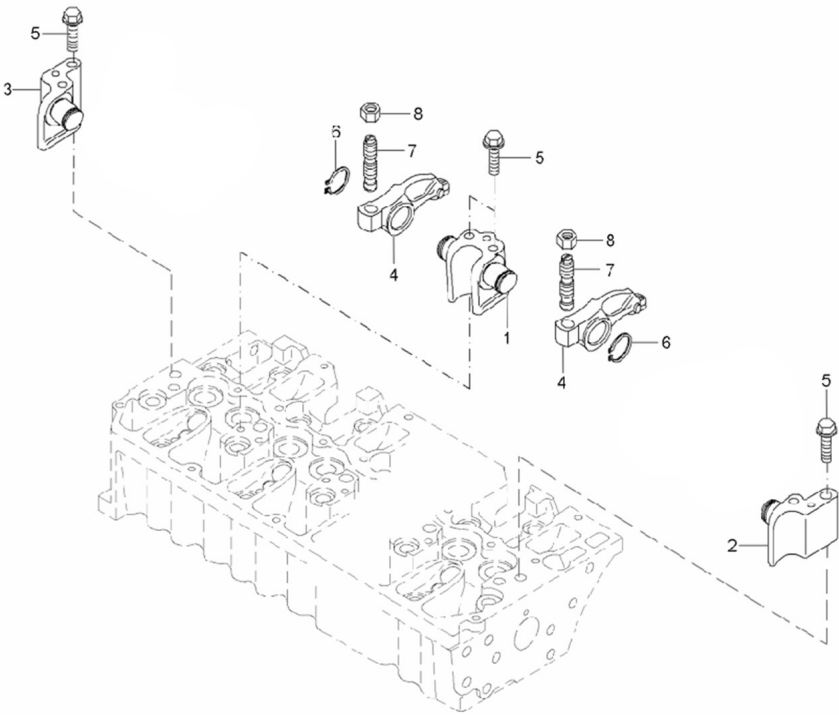
**D SDZ165EGTDN 01 2      Rocker Cover & Breather**

| Fig. | Ref.     | Qty. | Descr.                    | Obs | From | UpTo |
|------|----------|------|---------------------------|-----|------|------|
| 1    | 19421009 | 1    | Valve MECHAN.Cover        |     |      |      |
| 2    | 19421010 | 1    | Rocker Cover Gasket       |     |      |      |
| 3    | 19421003 | 1    | FILLER Cap                |     |      |      |
| 4    | 19421012 | 4    | HEXAGON Bolt              |     |      |      |
| 5    | 19421051 | 1    | Pressure REGULATO         |     |      |      |
| 6    | 19421054 | 1    | Rubber SLEEVE             |     |      |      |
| 7    | 19621053 | 2    | BOLT                      |     |      |      |
| 8    | 19411071 | 1    | PIPE D.22                 |     |      |      |
| 9    | 54081020 | 8    | Clamp DIN 3017 20-32/9 W4 |     |      |      |
| 10   | 19621056 | 2    | WASHER                    |     |      |      |
| 11   | 19421011 | 1    | Cap                       |     |      |      |
| 12   | 19421052 | 1    | Gasket                    |     |      |      |
| 13   | 19411063 | 2    | Rubber Hose D.22-32-70    |     |      |      |



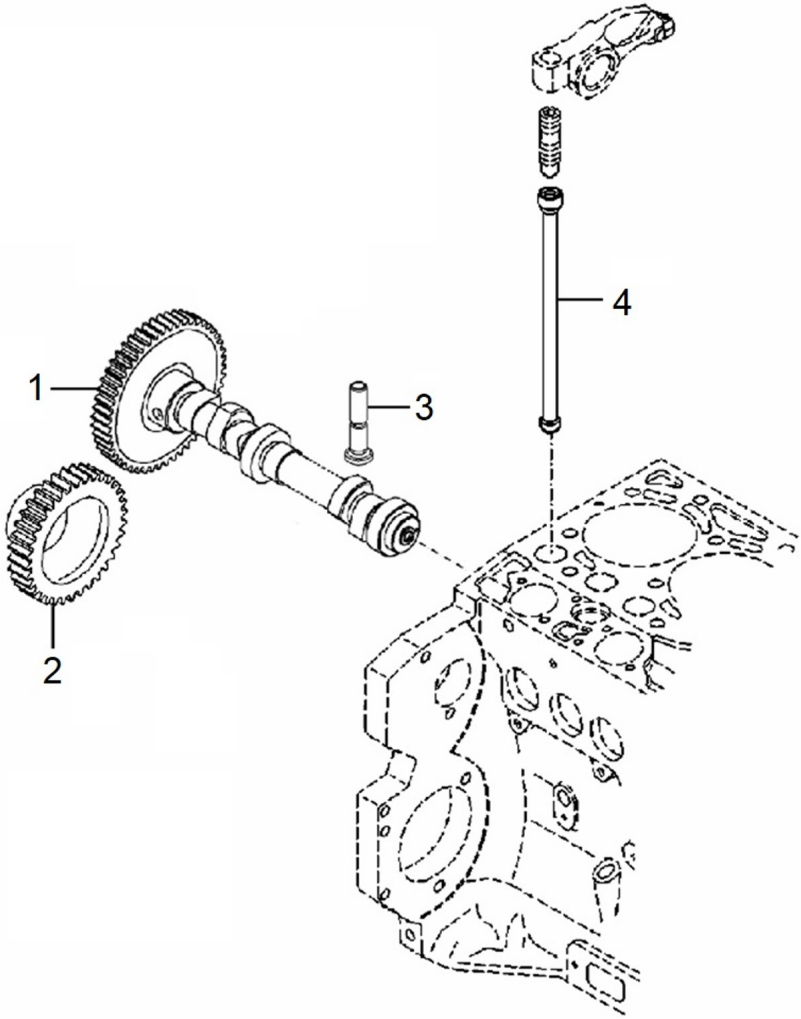
D GJ01 1 3      Valve Drive

| Fig. | Ref.       | Qty. | Descr.             | Obs | From | UpTo |
|------|------------|------|--------------------|-----|------|------|
| 1    | 19422045   | 3    | Rocker ARM Bracket |     |      |      |
| 2    | 19422045.1 | 1    | Rocker ARM Bracket |     |      |      |
| 3    | 19422045.5 | 1    | Rocker arm bracket |     |      |      |
| 4    | 19422042   | 8    | Rocker ARM         |     |      |      |
| 5    | 19422053   | 10   | HEXAGON Bolt       |     |      |      |
| 6    | 19422047   | 8    | CIRClip            |     |      |      |
| 7    | 19622044   | 8    | Screw Adjusting    |     |      |      |
| 8    | 19422052   | 8    | Nut                |     |      |      |



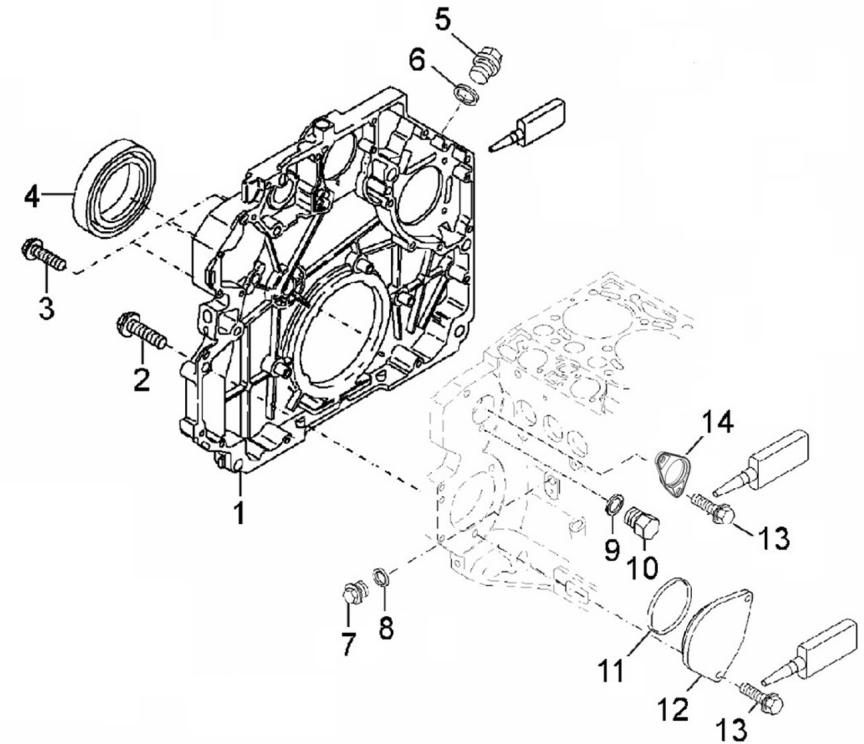
D SDZ165EGTDN 01 4 Timing Parts

| Fig. | Ref.        | Qty. | Descr.       | Obs | From | UpTo |
|------|-------------|------|--------------|-----|------|------|
| 1    | 19422035G.2 | 1    | Camshaft     |     |      |      |
| 2    | 19421124    | 1    | Toothed Gear |     |      |      |
| 3    | 19422061    | 2    | Tappet       |     |      |      |
| 4    | 19422041    | 2    | PUSHROD      |     |      |      |



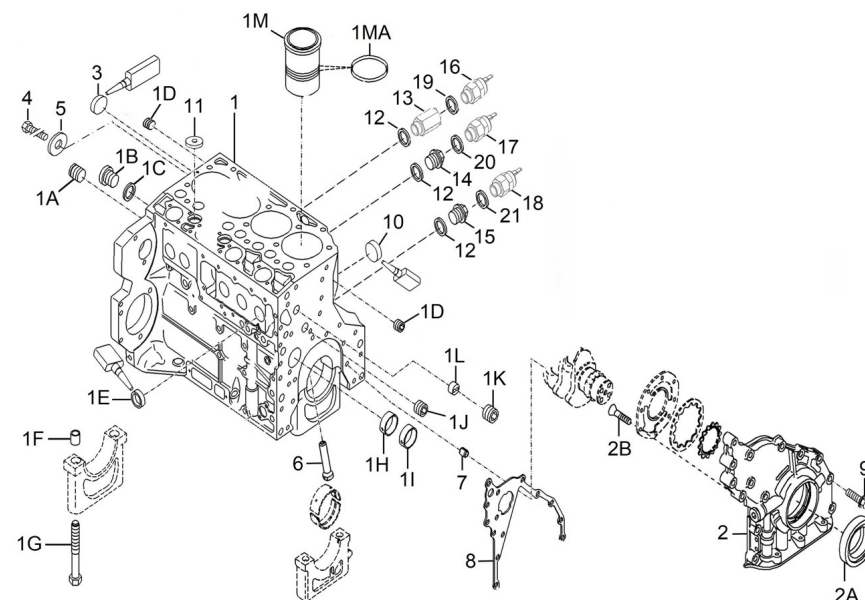
**D SDZ109EGTDN 01 5 Case,Gear**

| Fig. | Ref.       | Qty. | Descr.             | Obs | From | UpTo |
|------|------------|------|--------------------|-----|------|------|
| 1    | 19420055.2 | 1    | Gearcase           |     |      |      |
| 2    | 19420027   | 12   | Screw              |     |      |      |
| 3    | 19421144   | 6    | Hexagon Bolt       |     |      |      |
| 4    | 19420039.1 | 1    | ROT.Shaft LIP Seal |     |      |      |
| 5    | 19421020   | 1    | Screw Plug         |     |      |      |
| 6    | 19421116   | 1    | SealING Ring       |     |      |      |
| 7    | 19420071.1 | 1    | Screw Plug         |     |      |      |
| 8    | 19420059G  | 1    | SealING Ring       |     |      |      |
| 9    | 19424087   | 1    | SealING Ring       |     |      |      |
| 10   | 19421023   | 1    | Screw Plug         |     |      |      |
| 11   | 19420226   | 1    | O-Ring D. 100X4    |     |      |      |
| 12   | 19420225.1 | 1    | Cover              |     |      |      |
| 13   | 19620010   | 4    | Hexagon Bolt       |     |      |      |
| 14   | 19620009   | 1    | Cover              |     |      |      |



**D SDZ165EGTDN 01 6 Crankcase**

| Fig. | Ref.       | Qty. | Descr.                            | Obs | From | UpTo |
|------|------------|------|-----------------------------------|-----|------|------|
| 1    | 19420001G  | 1    | CRANKCase                         |     |      |      |
| 1A   | 19420073   | 1    | Screw Plug                        |     |      |      |
| 1B   | 19420063.1 | 2    | Screw plug                        |     |      |      |
| 1C   | 19420064   | 4    | SealING Ring                      |     |      |      |
| 1D   | 19420067.3 | 2    | Screw plug                        |     |      |      |
| 1E   | 19420070   | 6    | CORE Hole Plug                    |     |      |      |
| 1F   | 19420062   | 10   | Bush                              |     |      |      |
| 1G   | 19420061   | 10   | Screw                             |     |      |      |
| 1H   | 19420069   | 1    | Bearing Bush                      |     |      |      |
| 1I   | 19420068   | 4    | Bearing Bush                      |     |      |      |
| 1J   | 19420082   | 1    | Screw Plug                        |     |      |      |
| 1K   | 19420075   | 1    | Screw Plug                        |     |      |      |
| 1L   | 19420072   | 1    | Guide SLEEVE                      |     |      |      |
| 1M   | 19420050G  | 4    | Cylinder Liner                    |     |      |      |
| 1MA  | 19420074   | 8    | O-Ring D. 115X3                   |     |      |      |
| 2    | 19420025.2 | 1    | Front cover                       |     |      |      |
| 2A   | 19420008   | 1    | ROT.Shaft LIP Seal                |     |      |      |
| 2B   | 19420009.2 | 8    | C.sunk head screw                 |     |      |      |
| 3    | 19427163   | 1    | Cover                             |     |      |      |
| 4    | 19427165.1 | 1    | Hexagon bolt                      |     |      |      |
| 5    | 19427164   | 1    | Plain Washer                      |     |      |      |
| 6    | 19420034.2 | 4    | Piston cool.nozzle                |     |      |      |
| 7    | 19420028   | 1    | ClampING Bush                     |     |      |      |
| 8    | 19420026.2 | 1    | Gasket                            |     |      |      |
| 9    | 19420027   | 14   | Screw                             |     |      |      |
| 10   | 19420180   | 1    | CORE Hole Plug                    |     |      |      |
| 11   | 19420215   | 1    | Plug                              |     |      |      |
| 12   | 56000020   | 3    | Washer 14,3-22-1                  |     |      |      |
| 13   | 19417030   | 1    | Conversion Adapter G1/2 A M14X1.5 |     |      |      |
| 14   | 19417028   | 1    | Conversion Adapter                |     |      |      |
| 15   | 19417029   | 1    | Conversion Adapter                |     |      |      |

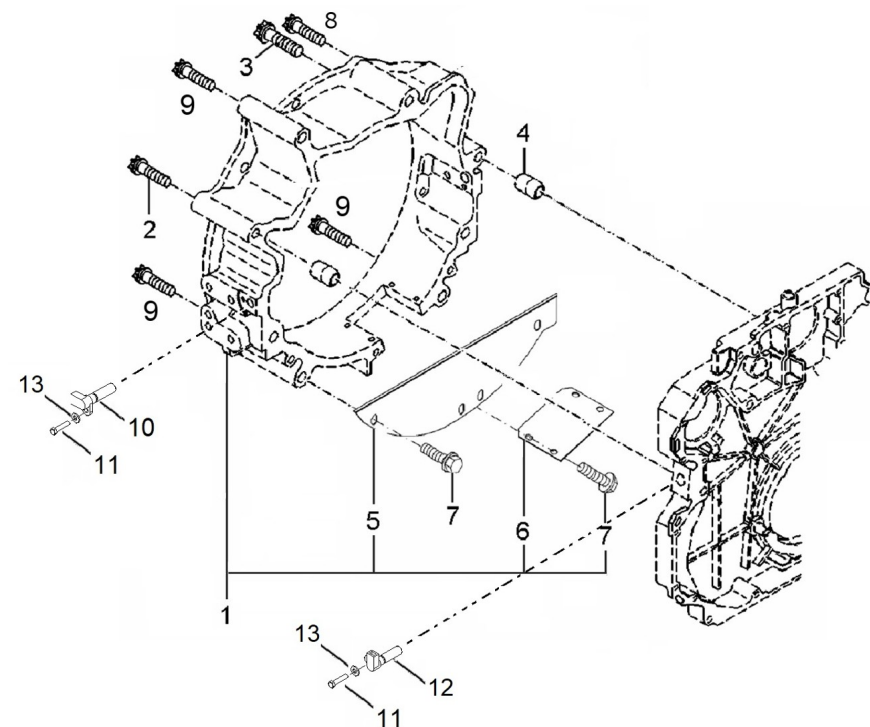


This exploded view diagram illustrates the assembly of a 4-cylinder engine. The main components are labeled as follows:

- 1**: Engine block
- 1A**: Piston and connecting rod assembly (left)
- 1B**: Piston pin
- 1C**: Piston pin clip
- 1D**: Piston pin clip
- 1E**: Piston pin clip
- 1F**: Piston pin clip
- 1G**: Piston pin clip
- 1H**: Piston pin clip
- 1I**: Piston pin clip
- 1J**: Piston pin clip
- 1K**: Piston pin clip
- 1L**: Piston pin clip
- 1M**: Oil pan
- 1MA**: Oil pan gasket
- 2**: Crankshaft
- 2A**: Crankshaft pulley
- 2B**: Crankshaft pulley nut
- 3**: Piston pin clip
- 4**: Piston pin clip
- 5**: Piston pin clip
- 6**: Piston pin clip
- 7**: Piston pin clip
- 8**: Piston pin clip
- 9**: Piston pin clip
- 10**: Piston pin clip
- 11**: Piston pin clip
- 12**: Piston pin clip
- 13**: Piston pin clip
- 14**: Piston pin clip
- 15**: Piston pin clip
- 16**: Piston pin clip
- 17**: Piston pin clip
- 18**: Piston pin clip
- 19**: Piston pin clip
- 20**: Piston pin clip
- 21**: Piston pin clip

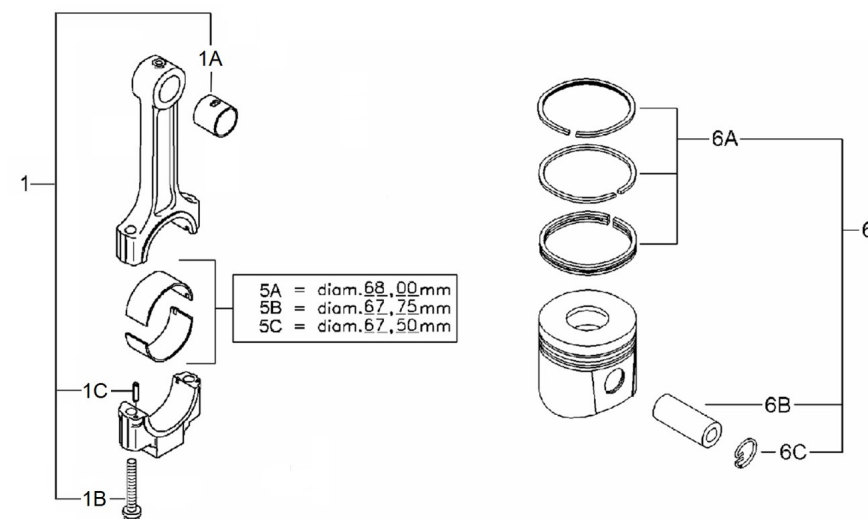
**D SDZ165EGTDN 01 7**      **Flywheel Housing**

| Fig. | Ref.        | Qty. | Descr.                 | Obs | From | UpTo |
|------|-------------|------|------------------------|-----|------|------|
| 1    | 19420211G.1 | 1    | Connection Housing     |     |      |      |
| 2    | 19420204G   | 1    | Bolt                   |     |      |      |
| 3    | 19420203    | 1    | Bolt                   |     |      |      |
| 4    | 19421007    | 2    | ClampING Bush          |     |      |      |
| 5    | 19420213    | 1    | Cover                  |     |      |      |
| 6    | 19420205    | 1    | Cover                  |     |      |      |
| 7    | 19428054    | 7    | Screw                  |     |      |      |
| 8    | 19420204    | 1    | Bolt                   |     |      |      |
| 9    | 19420203G   | 3    | Bolt                   |     |      |      |
| 10   | 60994078    | 1    | Magnetic Speed Sensor  |     |      |      |
| 11   | 52102155    | 2    | Bolt DIN 933 M6-12 8.8 |     |      |      |
| 12   | 19427188    | 1    | Impulsetransmitter     |     |      |      |
| 13   | 51030006    | 2    | Washer DIN 125-6       |     |      |      |



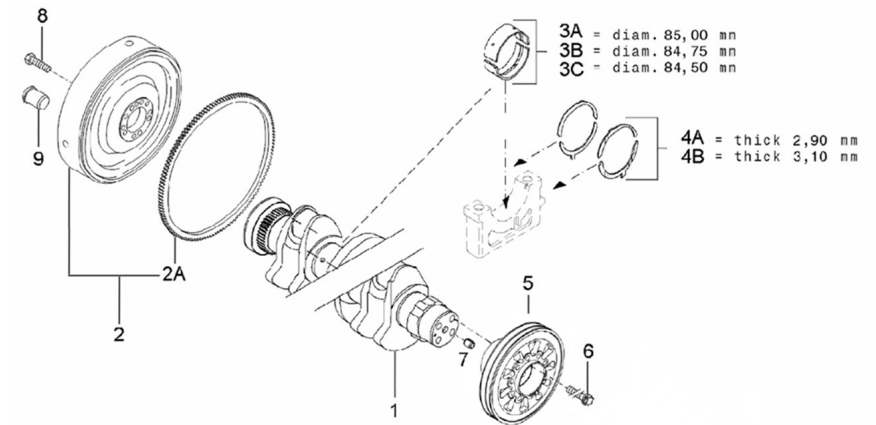
**D SDZ165EGTDN 01 8 Piston & Connecting Rod**

| Fig. | Ref.        | Qty. | Descr.                | Obs | From | UpTo |
|------|-------------|------|-----------------------|-----|------|------|
| 1    | 19422012    | 4    | Connecting Rod        |     |      |      |
| 1A   | 19422033    | 4    | BIG END Bush          |     |      |      |
| 1B   | 19422013    | 8    | Bolt,connecting rod   |     |      |      |
| 1C   | 19422009    | 8    | ClampING Bush         |     |      |      |
| 5A   | 19422014    | 4    | BIG END Bearing Std.  |     |      |      |
| 5B   | 19422015    | 0    | BIG END Bearing -0,25 | #   |      |      |
| 5C   | 19422016    | 0    | BIG END Bearing -0,50 | #   |      |      |
| 6    | 19422001G.1 | 4    | Piston                |     |      |      |
| 6A   | 19422006G.1 | 4    | Set of Pist. Rings    |     |      |      |
| 6B   | 19422011.1  | 4    | Piston Pin            |     |      |      |
| 6C   | 19422010    | 8    | CIRClip               |     |      |      |



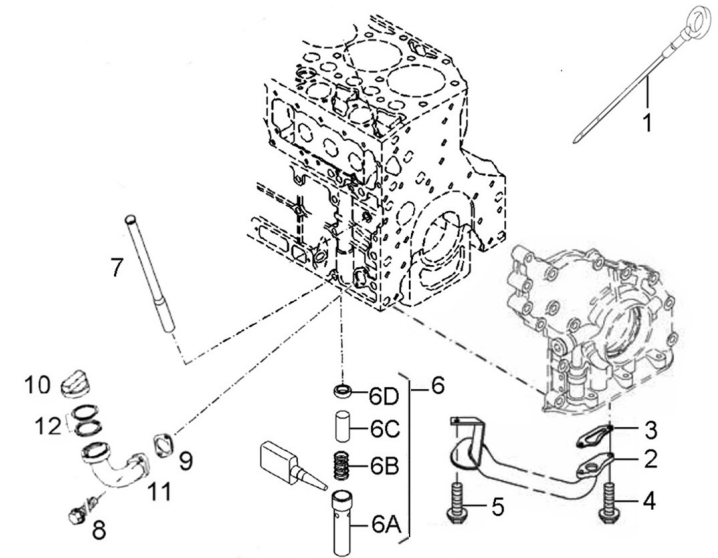
**D GJ01 1 9 Crankshaft & Flywheel**

| Fig. | Ref.        | Qty. | Descr.             | Obs | From | UpTo |
|------|-------------|------|--------------------|-----|------|------|
| 1A   | 19422018.1  | 1    | CrankShaft         |     |      |      |
| 1B   | 19422018    | 1    | CrankShaft         |     |      |      |
| 2    | 19422027G.1 | 1    | Flywheel           |     |      |      |
| 2A   | 19422029    | 1    | Gear RIM           |     |      |      |
| 3A   | 19420003    | 5    | Bearing Set STD.   |     |      |      |
| 3B   | 19420004    | 0    | Bearing Set -0,25  | #   |      |      |
| 3C   | 19420005    | 0    | Bearing Set -0,50  | #   |      |      |
| 4A   | 19420109    | 10   | THRUST Washer Std. |     |      |      |
| 4B   | 19420105    | 10   | THRUST Washer      |     |      |      |
| 5    | 19422024G   | 1    | Pulley CrankShaft  |     |      |      |
| 6    | 19422026.1  | 4    | HEXAGON Bolt       |     |      |      |
| 7    | 19422036    | 1    | ClampING Bush      |     |      |      |
| 8    | 19422031G   | 9    | HEXAGON Bolt       |     |      |      |
| 9    | 19422037    | 4    | Plug               |     |      |      |



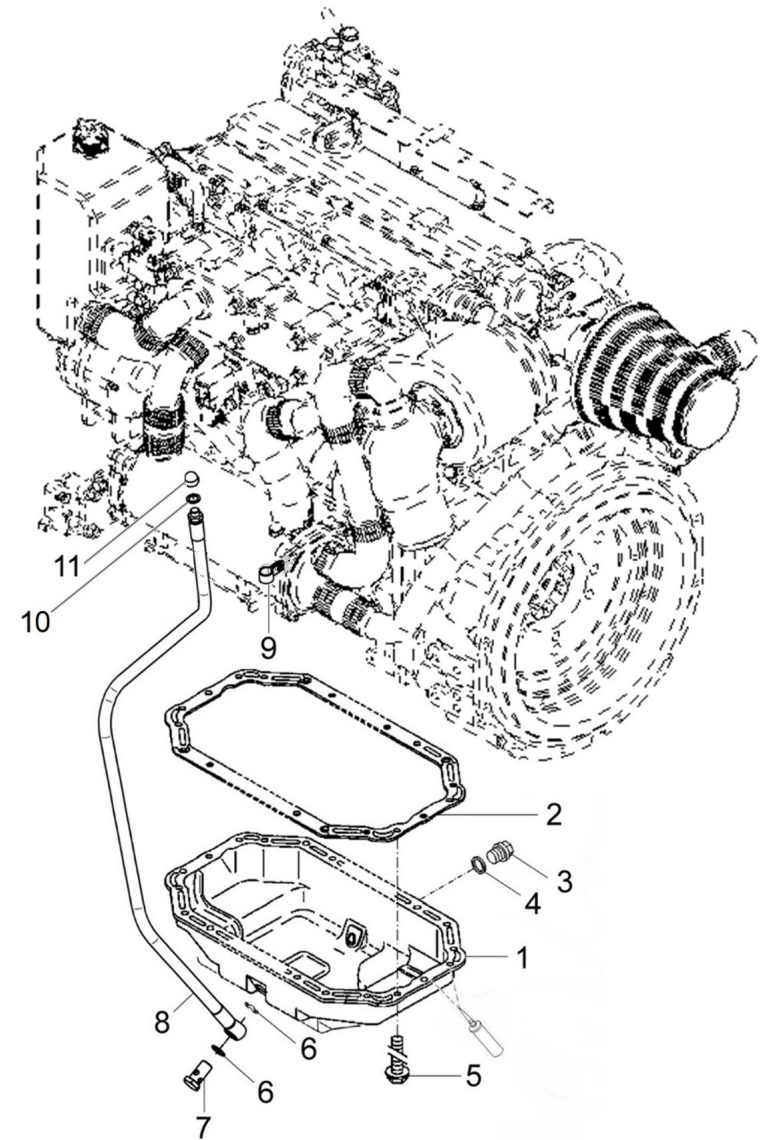
**D\_GJ01\_1\_10 Oil Sysem**

| Fig. | Ref.       | Qty. | Descr.             | Obs | From | UpTo       |
|------|------------|------|--------------------|-----|------|------------|
| 1    | 19420029G  | 1    | Gauge Oil LEVEL    |     |      |            |
| 2    | 19424052.1 | 1    | Oil SUCTION Pipe   |     |      | 04/12/2019 |
| 3    | 19424056.1 | 1    | Gasket             |     |      |            |
| 4    | 19424006   | 2    | HEXAGON Bolt       |     |      |            |
| 5    | 19420036   | 1    | Screw              |     |      |            |
| 6    | 19420040   | 1    | Valve Assy         |     |      |            |
| 6A   | 19420043   | 1    | SLEEVE             |     |      |            |
| 6B   | 19420041   | 1    | COMPRESSION Spring |     |      |            |
| 6C   | 19420042   | 1    | Valve Plunger      |     |      |            |
| 6D   | 19420044   | 1    | Ring               |     |      |            |
| 7    | 19620027   | 1    | Guide Tube         |     |      |            |
| 8    | 19420163   | 2    | Screw              |     |      |            |
| 9    | 19421076   | 1    | Gasket             |     |      |            |
| 10   | 19421003   | 1    | FILLER Cap         |     |      |            |
| 11   | 19424016   | 1    | Oil Filler Neck    |     |      |            |
| 12   | 19424017   | 1    | Repair Kit         |     |      |            |



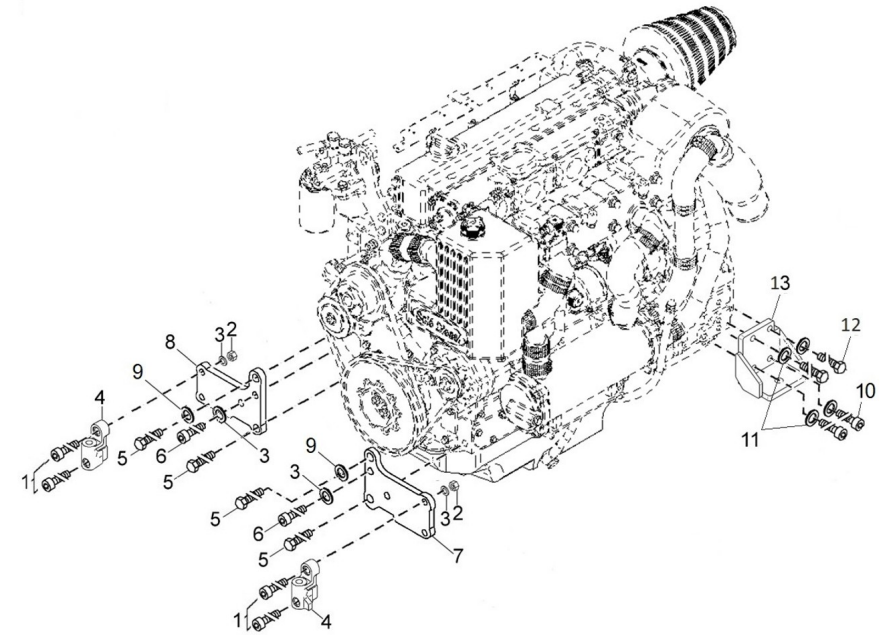
**D GJ01 1 11 Oil Pan**

| <i>Fig.</i> | <i>Ref.</i> | <i>Qty.</i> | <i>Descr.</i>         | <i>Obs</i> | <i>From</i> | <i>UpTo</i> |
|-------------|-------------|-------------|-----------------------|------------|-------------|-------------|
| 1           | 19420030    | 1           | Oil PAN               |            |             |             |
| 2           | 19420033    | 1           | Gasket                |            |             |             |
| 3           | 19420031    | 1           | Plug                  |            |             |             |
| 4           | 19420032.1  | 1           | Gasket                |            |             |             |
| 5           | 19420036    | 26          | Screw                 |            |             |             |
| 6           | 56000077    | 2           | Washer 18-23-1,5      |            |             |             |
| 7           | 16514022    | 1           | Coupling,screw 18x150 |            |             |             |
| 8           | 19414021    | 1           | Oil ExtraCTION Tube   |            |             |             |
| 9           | 18014022    | 1           | Bracket,pipe          |            |             |             |
| 10          | 56000217    | 1           | Washer 13-20-3        |            |             |             |
| 11          | 16514020    | 1           | Plug                  |            |             |             |



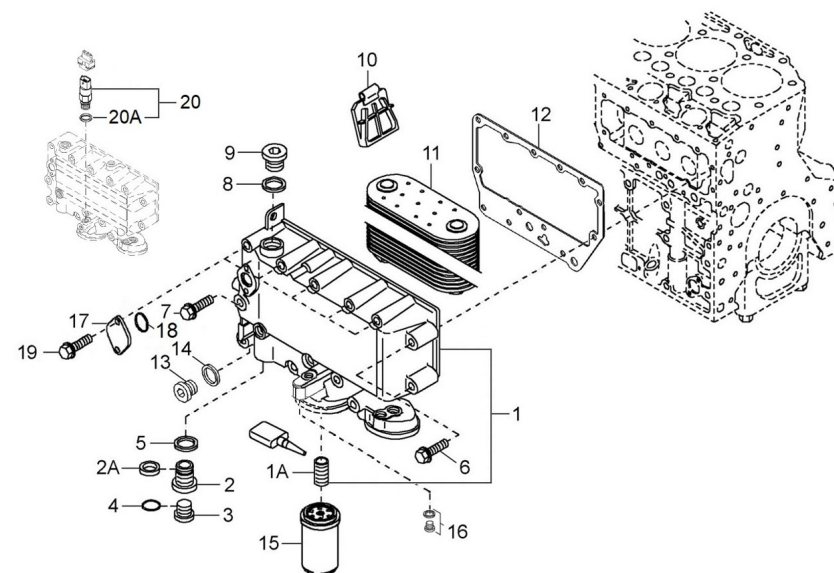
**D GJ01 1 12 Engine Brackets**

| Fig. | Ref.     | Qty. | Descr.                          | Obs | From | UpTo |
|------|----------|------|---------------------------------|-----|------|------|
| 1    | 52101365 | 4    | Bolt DIN 931 M12-60 8.8 CINCADO |     |      |      |
| 2    | 52120012 | 4    | Nut DIN 934 M12 8.8             |     |      |      |
| 3    | 51030012 | 4    | Washer DIN 125-12               |     |      |      |
| 4    | 19427023 | 2    | MOUNTING FOOT                   |     |      |      |
| 5    | 19427024 | 4    | Bolt                            |     |      |      |
| 6    | 52103361 | 2    | Bolt DIN 912 M12-40 8.8         |     |      |      |
| 7    | 19427019 | 1    | Bracket                         |     |      |      |
| 8    | 19427022 | 1    | Bracket                         |     |      |      |
| 9    | 19427041 | 4    | Plain Whasher                   |     |      |      |
| 10   | 52103359 | 4    | Bolt DIN 912 M12-30 8.8         |     |      |      |
| 11   | 53033012 | 8    | Washer Grower DIN 127-12        |     |      |      |
| 12   | 52102359 | 6    | Bolt DIN 933 M12-30 8.8         |     |      |      |
| 13   | 60594020 | 2    | REAR Bracket, Genset V.         |     |      |      |



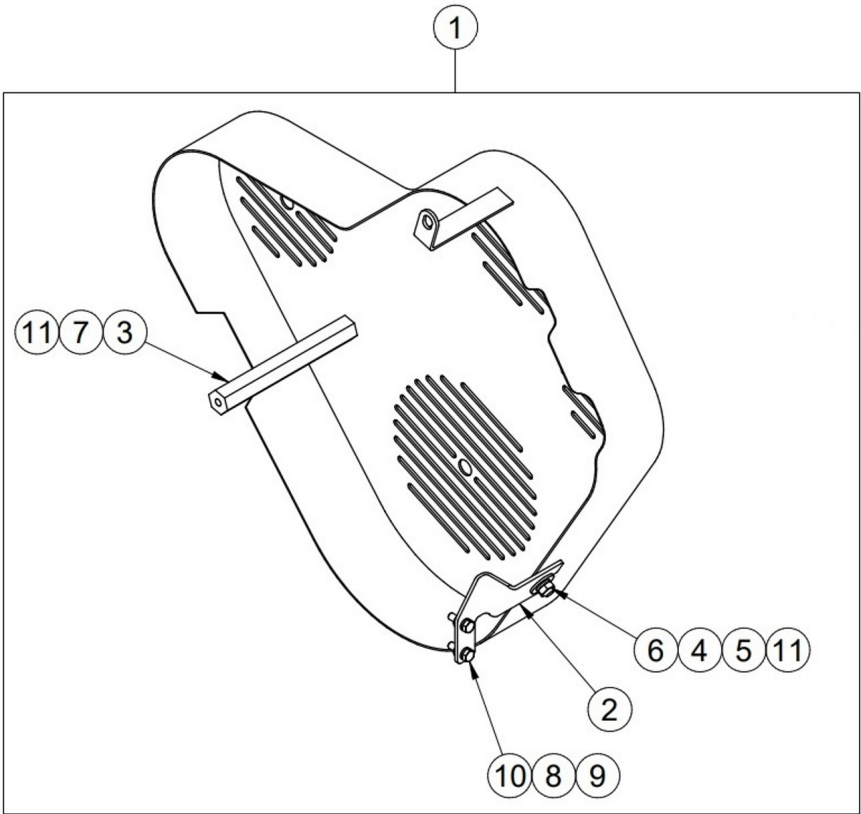
**D SDZ109EGTDN 01 13 Cooler Assy,oil**

| Fig. | Ref.       | Qty. | Descr.                             | Obs | From | UpTo |
|------|------------|------|------------------------------------|-----|------|------|
| 1    | 19422110   | 1    | Oil Cooler Box                     |     |      |      |
| 1A   | 19422114   | 1    | Bush                               |     |      |      |
| 2    | 19422111   | 1    | COLLAR Screw                       |     |      |      |
| 2A   | 19422115   | 1    | SealING Ring                       |     |      |      |
| 3    | 19422112.1 | 1    | Screw plug                         |     |      |      |
| 4    | 19422113   | 1    | O-Ring                             |     |      |      |
| 5    | 19422118   | 1    | SealING Ring                       |     |      |      |
| 6    | 19422120   | 3    | HEXAGON Bolt                       |     |      |      |
| 7    | 19422124   | 10   | HEXAGON Bolt                       |     |      |      |
| 8    | 19421019   | 1    | SealING Ring                       |     |      |      |
| 9    | 19422125.1 | 1    | Screw plug                         |     |      |      |
| 10   | 19422116   | 1    | CORE Hole Plug                     |     |      |      |
| 11   | 19422117   | 1    | Oil Cooler                         |     |      |      |
| 12   | 19424084   | 1    | Gasket                             |     |      |      |
| 13   | 19424081.1 | 1    | Screw plug                         |     |      |      |
| 14   | 19424082   | 1    | SealING Ring                       |     |      |      |
| 15   | 19424051   | 1    | Oil Filter Element SDZ 165/205/280 |     |      |      |
| 16   | 19424088.1 | 1    | Screw plug                         |     |      |      |
| 17   | 19422123G  | 1    | BLANK Flange                       |     |      |      |
| 18   | 19422121   | 1    | O-Ring                             |     |      |      |
| 19   | 19420036   | 2    | Screw                              |     |      |      |
| 20   | 19427193   | 1    | Pressure Sensor                    |     |      |      |
| 20A  | 19421016   | 1    | SealING Ring                       |     |      |      |



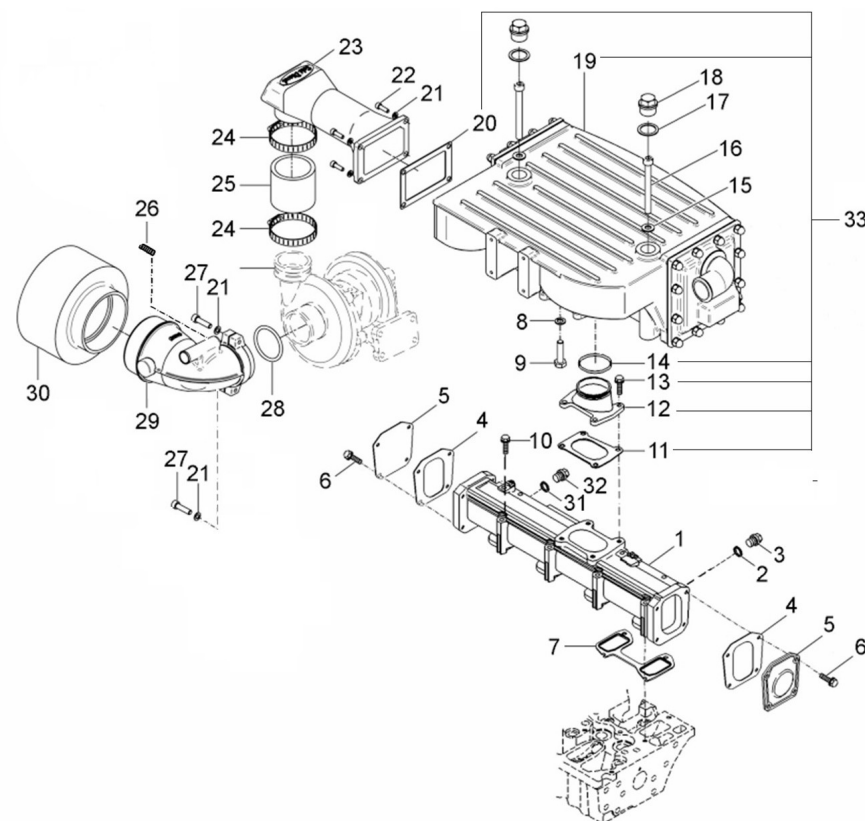
D SDZ109EGTDN 01 14 Drive Belt Guard for Genset without Canopy

| Fig. | Ref.        | Qty. | Descr.                      | Obs | From | UpTo |
|------|-------------|------|-----------------------------|-----|------|------|
| 1    | 19410029R   | 1    | Belt Guard                  |     |      |      |
| 2    | 19410029.2P | 1    | Fixation Protection Painted |     |      |      |
| 3    | 19410029.3P | 1    | Spacer M8x155               |     |      |      |
| 4    | 51031008    | 1    | Washer DIN 9021 8           |     |      |      |
| 5    | 51030008    | 2    | Washer DIN 125-8            |     |      |      |
| 6    | 52120008    | 1    | Nut DIN 934 M8 8.8          |     |      |      |
| 7    | 52102256    | 1    | Bolt DIN 933 M8-16 8.8      |     |      |      |
| 8    | 17617006    | 2    | Spacer 6,5X12X5             |     |      |      |
| 9    | 53033006    | 2    | Washer GROWER DIN 127-6     |     |      |      |
| 10   | 52102157    | 2    | Bolt DIN 933 M6-20 8.8      |     |      |      |
| 11   | 53033008    | 2    | Washer GROWER DIN 127-8     |     |      |      |



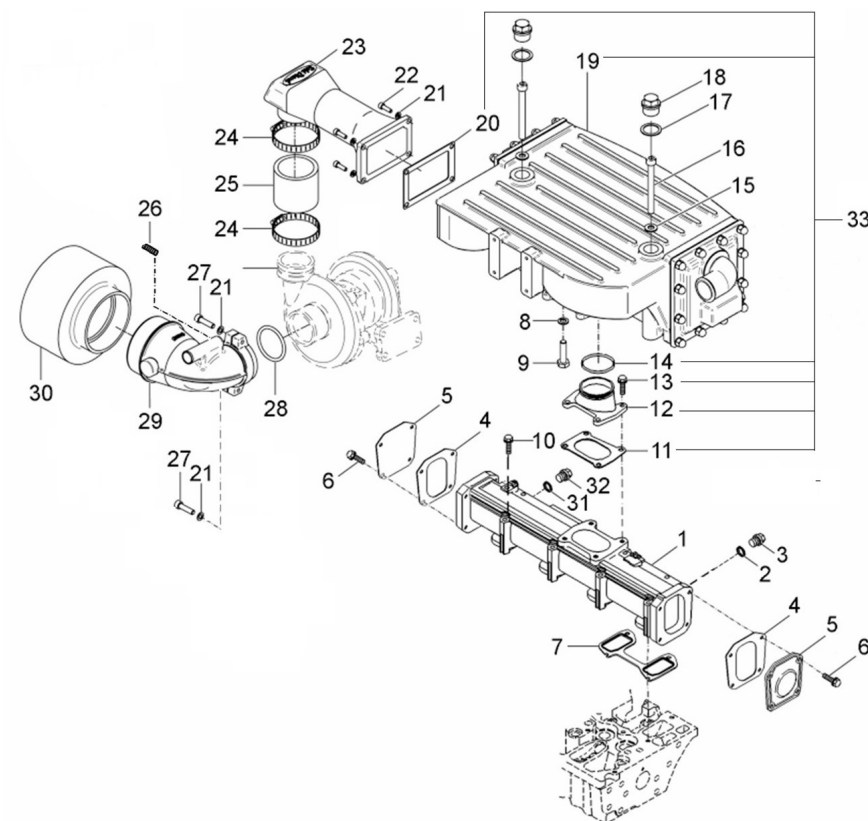
**D\_GI01\_2\_1** **Inlet**

| Fig. | Ref.        | Qty. | Descr.                  | Obs | From       | UpTo       |
|------|-------------|------|-------------------------|-----|------------|------------|
| 1    | 19421080    | 1    | CHARGE Air Pipe         |     |            |            |
| 2    | 19420059G   | 1    | SealING Ring            |     |            |            |
| 3    | 19420063    | 1    | Screw Plug              |     |            |            |
| 4    | 19421047    | 1    | Gasket                  |     |            |            |
| 5    | 19421045    | 1    | Cover                   |     |            |            |
| 6    | 19420036    | 8    | Screw                   |     |            |            |
| 7    | 19421063    | 2    | Gasket                  |     |            |            |
| 8    | 53033008    | 2    | Washer GROWER DIN 127-8 |     |            |            |
| 9    | 52101311    | 2    | Bolt DIN 931 M10-40 8.8 |     |            |            |
| 10   | 19421012    | 8    | HEXAGON Bolt            |     |            |            |
| 11   | 19421034    | 1    | Gasket                  |     |            |            |
| 12   | 19410014    | 1    | Adaptor                 |     |            |            |
| 13A  | 52102158    | 4    | Bolt DIN 933 M6-25 8.8  |     |            |            |
| 13B  | 51030006    | 4    | Washer DIN 125-6        |     |            |            |
| 13C  | 53033006    | 4    | Washer GROWER DIN 127-6 |     |            |            |
| 14   | 19421033    | 1    | O-Ring D. 70X5 VITON    |     |            |            |
| 15   | 56000061    | 2    | Washer 10-16-1,5        |     |            |            |
| 16   | 52103321.2  | 2    | Bolt DIN 912 M10-92 8.8 |     | 07/09/2017 |            |
| 16   | 52103322    | 2    | Bolt DIN 912 M10-95 8.8 |     |            | 07/09/2017 |
| 17   | 56000093    | 2    | Washer 26-34-1,5        |     |            |            |
| 18   | 51218759    | 2    | Bolt DIN 910 M26X1.5    |     |            |            |
| 19   | 19410016PB  | 1    | Intercooler Assy Paint  |     |            |            |
| 20   | LOCT5900.50 | 1    | LOCTITE 5900 50ml       |     |            |            |
| 21   | 53038008    | 6    | Washer DIN 6798-A 8     |     |            |            |
| 22   | 52103257    | 4    | Bolt DIN 912 M8-20 8.8  |     |            |            |
| 23   | 19410017    | 1    | Turbocharger, Adaptor   |     |            |            |
| 24   | 54083079    | 2    | GP Clamp 68-73 W4 STC   |     |            |            |
| 25   | 19410030    | 1    | Hose                    |     |            |            |
| 26   | 52111157    | 1    | ROD DIN 913 M6-20 8.8   |     |            | 29/07/2019 |
| 26   | 52111257    | 1    | ROD DIN 913 M8-20 8.8   |     | 30/07/2019 |            |
| 27   | 52103259    | 2    | Bolt DIN 912 M8-30 8.8  |     |            |            |

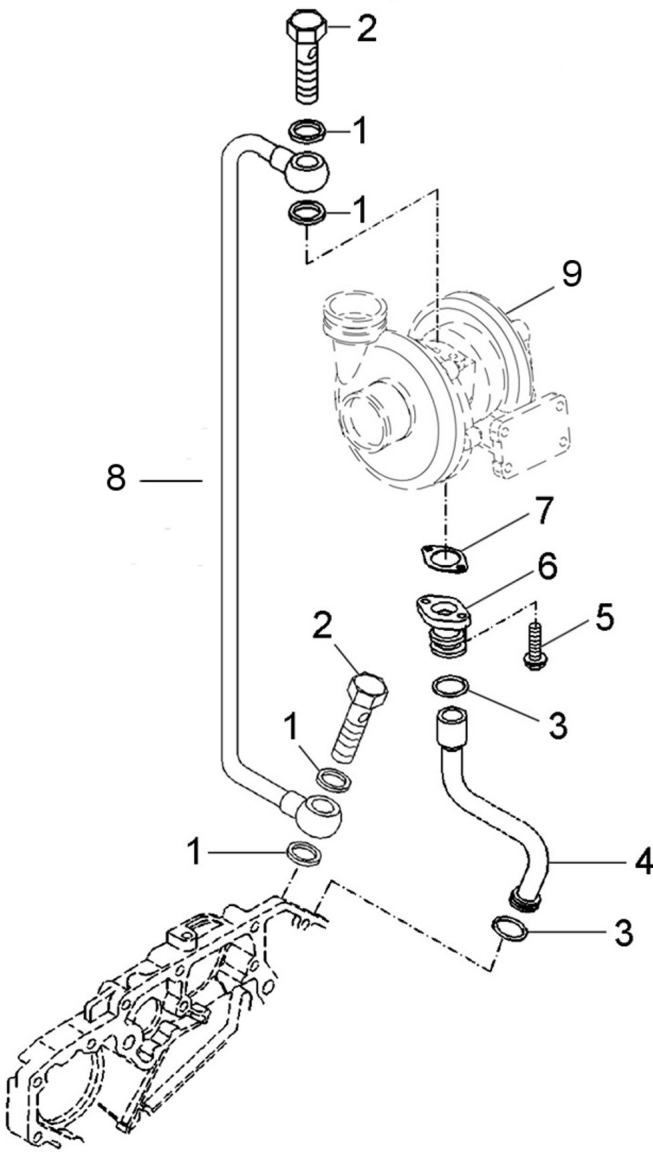


**D\_GI01\_2\_1**
**Inlet**

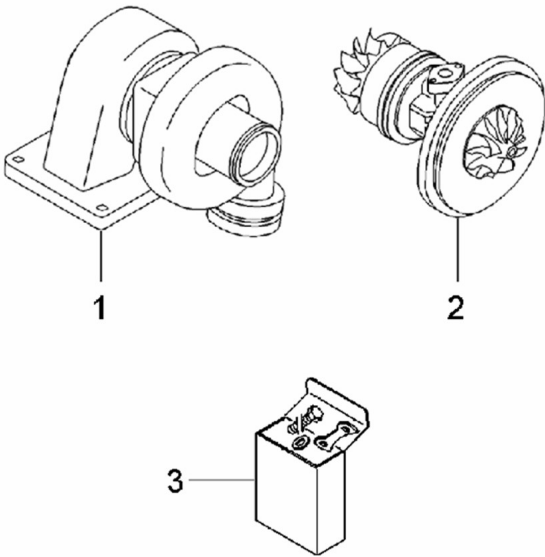
| Fig. | Ref.        | Qty. | Descr.                    | Obs                                                                               | From | UpTo |
|------|-------------|------|---------------------------|-----------------------------------------------------------------------------------|------|------|
| 28   | 19410023G   | 1    | O-Ring D. 78X4 VITON      |                                                                                   |      |      |
| 29   | 19410015G   | 1    | Air Filter Nozzle Support |                                                                                   |      |      |
| 30   | 19410032    | 1    | Air Filter                |                                                                                   |      |      |
| 31   | 19424087    | 1    | SealING Ring              |                                                                                   |      |      |
| 32   | 19421020G   | 1    | Screw Plug                |                                                                                   |      |      |
| 33   | 19410016REC | 1    | Spare Intercooler Kit     |                                                                                   |      |      |
| NS   | 17111060    | 1    | Plate "SOLE Diesel"       |  |      |      |
| NS   | 17111063    | 2    | Bolt                      |  |      |      |
| NS   | 17111067    | 1    | Plate "SOLE ADVANCE"      |  |      |      |



| D_GI01_2_2 |             | Turbocharger |                      |     |      |      |
|------------|-------------|--------------|----------------------|-----|------|------|
| Fig.       | Ref.        | Qty.         | Descr.               | Obs | From | UpTo |
| 1          | 19421016    | 4            | SealING Ring         |     |      |      |
| 2          | 19424066    | 2            | Screw                |     |      |      |
| 3          | 19428063    | 2            | SealING Ring         |     |      |      |
| 4          | 19428010    | 1            | Retur Line           |     |      |      |
| 5          | 19420163    | 2            | Screw                |     |      |      |
| 6          | 19428011    | 1            | Plug-in Flange       |     |      |      |
| 7          | 19428062    | 1            | Gasket               |     |      |      |
| 8          | 19424090G.1 | 1            | Lubrication Oil Line |     |      |      |

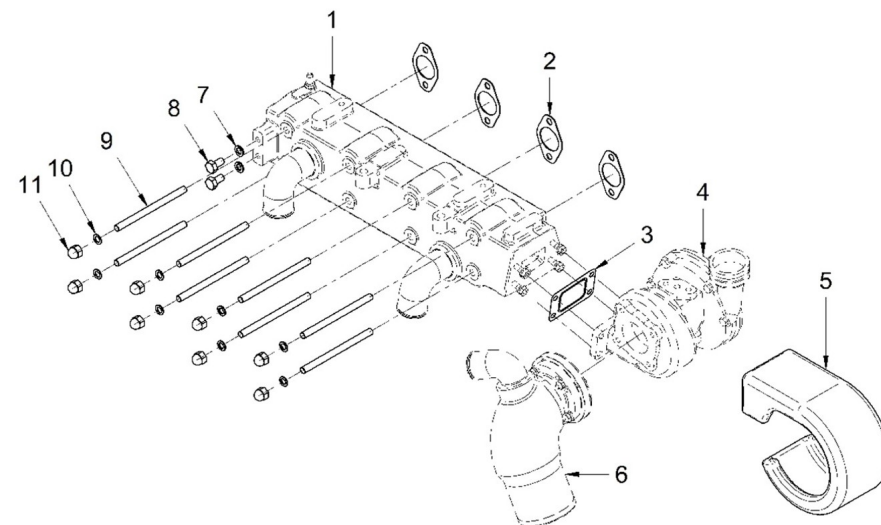


| D_GI01_2_3 |             |      | Spare Parts, Turbocharger |     |      |      |
|------------|-------------|------|---------------------------|-----|------|------|
| Fig.       | Ref.        | Qty. | Descr.                    | Obs | From | UpTo |
| 1          | 19428012G.1 | 1    | Turbocharger, Assy        |     |      |      |
| 2          | 19428012.1A | 1    | CORE Assembly, TURBO      |     |      |      |
| 3          | 19428012K   | 1    | REPAir Kit, TURBO         |     |      |      |

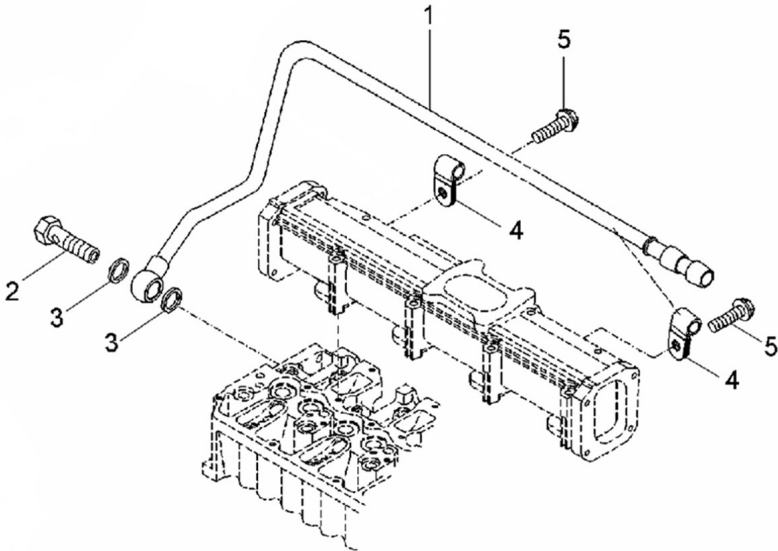


**D SDZ165EGTDN 02 4      Manifold Assy,exhaust**

| Fig. | Ref.        | Qty. | Descr.                   | Obs | From | UpTo |
|------|-------------|------|--------------------------|-----|------|------|
| 1    | 19413000    | 1    | MANIFOLD,Assy            |     |      |      |
| 2    | 19421181.2  | 4    | Gasket                   |     |      |      |
| 3    | 19421183.3  | 1    | Gasket                   |     |      |      |
| 4    | 19428012G.1 | 1    | Turbocharger, Assy       |     |      |      |
| 5    | 19418011    | 1    | HEAT SHIELD TURBO DNV    |     |      |      |
| 6    | 19413016    | 1    | Elbow, WET Exhaust       |     |      |      |
| 7    | 53033010    | 2    | Washer GROWER DIN 127-10 |     |      |      |
| 8    | 52102307    | 2    | Bolt DIN 933 M10-20 8.8  |     |      |      |
| 9    | 19413002    | 8    | Stud                     |     |      |      |
| 10   | 56000061    | 8    | Washer 10-16-1,5         |     |      |      |
| 11   | 13511013    | 8    | Nut DIN 1587 M10         |     |      |      |

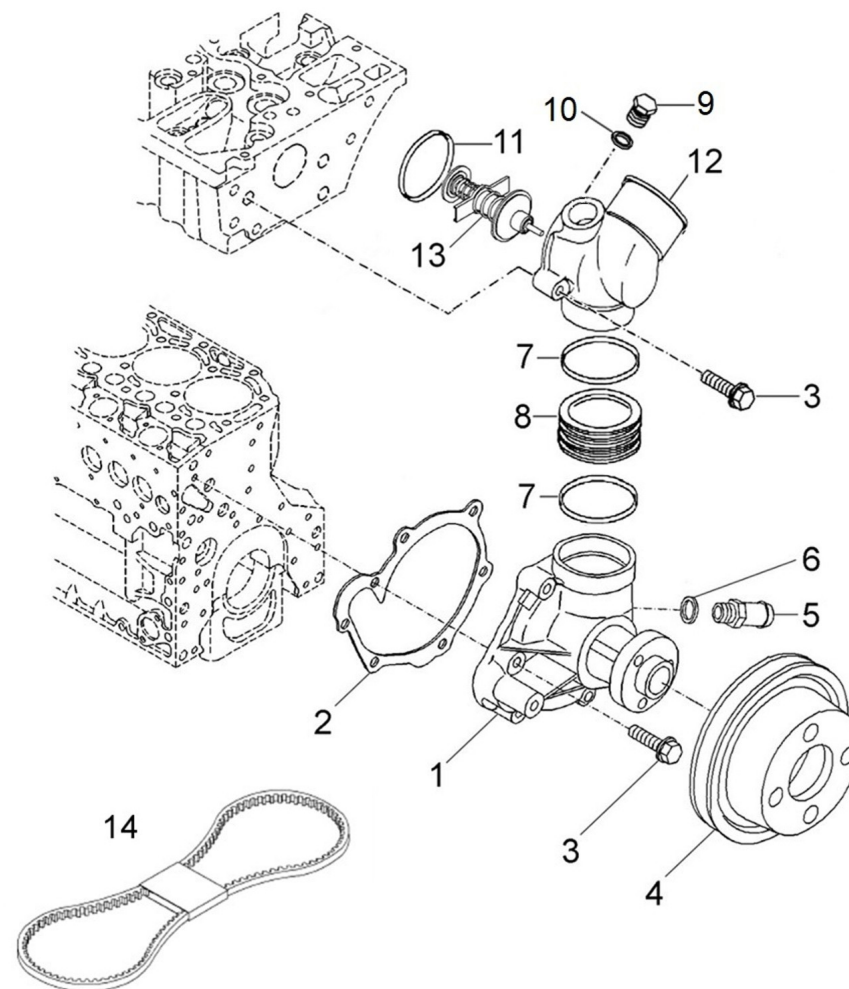


| D_GJ01_2_5 |            | Breather Line |                 |     |      |            |
|------------|------------|---------------|-----------------|-----|------|------------|
| Fig.       | Ref.       | Qty.          | Descr.          | Obs | From | UpTo       |
| 1          | 19421090.2 | 1             | Breather Line   |     |      | 28/02/2020 |
| 2          | 19421091.1 | 2             | Screw           |     |      |            |
| 3          | 19424091   | 2             | Retention Valve |     |      |            |
| 4          | 19428055   | 2             | Pipe Clamp      |     |      |            |
| 5          | 19428054   | 2             | Screw           |     |      |            |



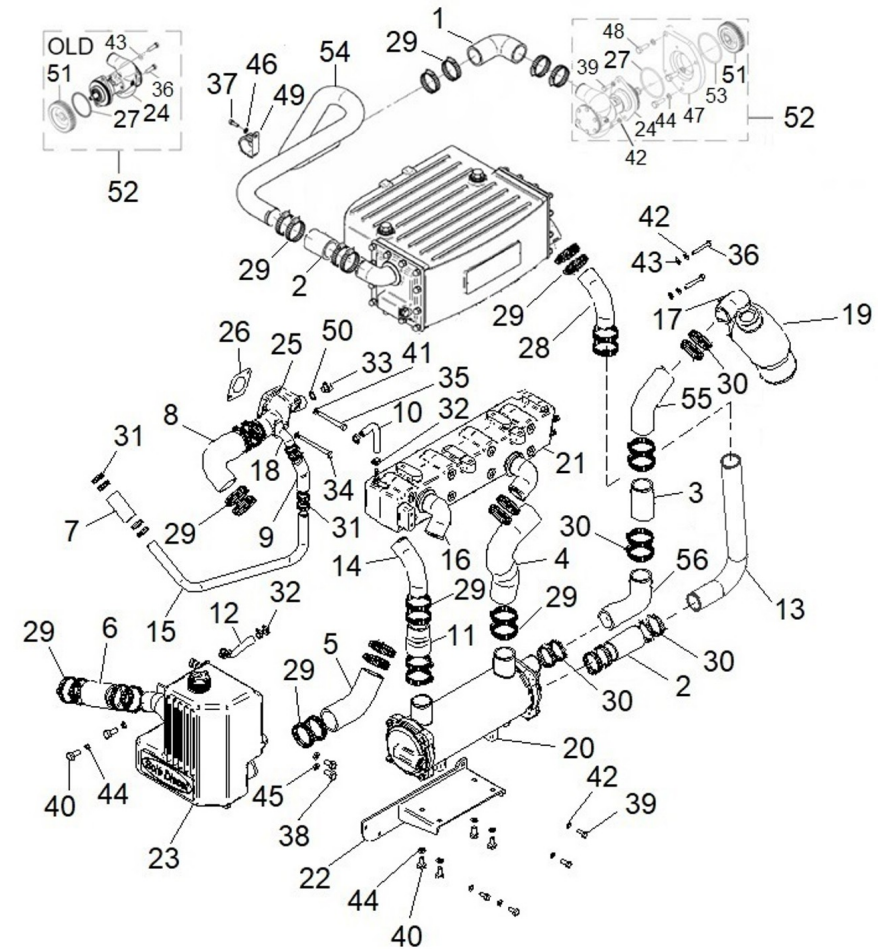
**D SDZ109EGTDN 03 1 Water Pump**

| Fig. | Ref.     | Qty. | Descr.               | Obs | From | UpTo |
|------|----------|------|----------------------|-----|------|------|
| 1    | 19421006 | 1    | Fresh Water Pump     |     |      |      |
| 2    | 19421040 | 1    | Flat Gasket          |     |      |      |
| 3    | 19420027 | 9    | Screw                |     |      |      |
| 4    | 19421094 | 1    | Pulley               |     |      |      |
| 5    | 19421089 | 1    | Hose Connector       |     |      |      |
| 6    | 19424064 | 1    | SealING Ring         |     |      |      |
| 7    | 19421044 | 2    | O-Ring               |     |      |      |
| 8    | 19421042 | 1    | Plug                 |     |      |      |
| 9    | 19420165 | 1    | VENT Plug            |     |      |      |
| 10   | 57000361 | 1    | Washer 10-14-1,5     |     |      |      |
| 11   | 19421041 | 1    | O-Ring               |     |      |      |
| 12   | 19521093 | 1    | Thermostat           |     |      |      |
| 13   | 19521029 | 1    | Thermostat           |     |      |      |
| 14   | 17521028 | 1    | Belt Type AX 45 1175 |     |      |      |



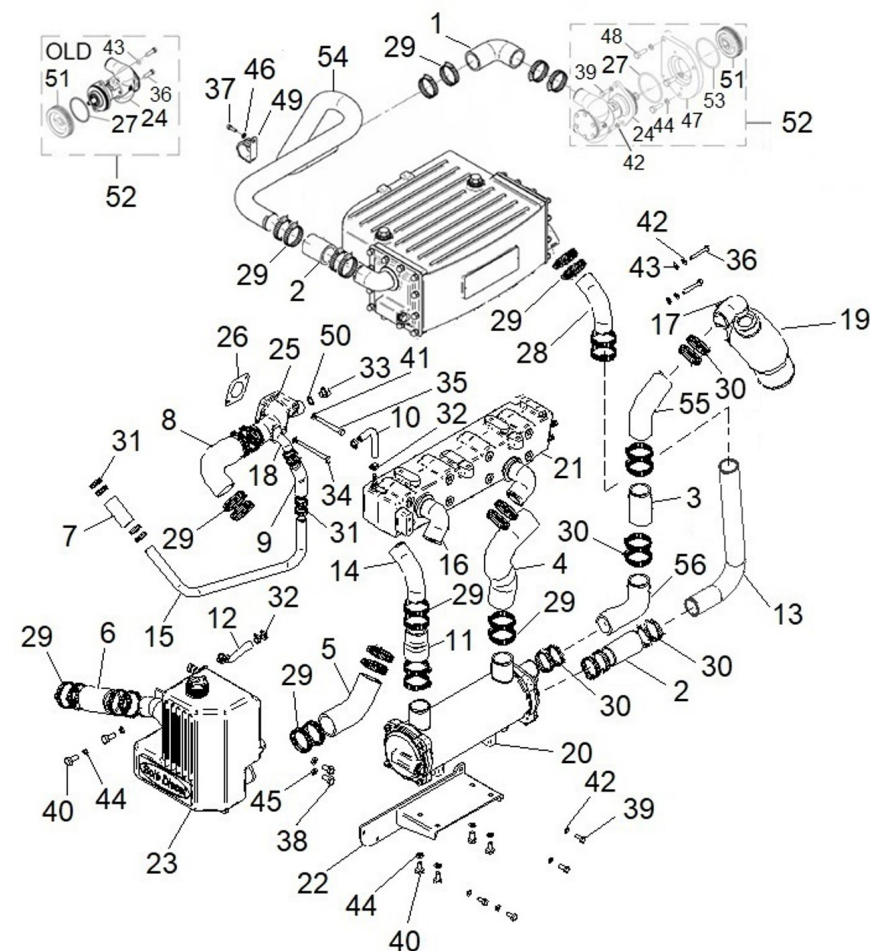
**D SDZ165EGTDN 03 2 Cooler Pipes**

| Fig. | Ref.      | Qty. | Descr.                                        | Obs | From | UpTo |
|------|-----------|------|-----------------------------------------------|-----|------|------|
| 1    | 19411015  | 1    | Elbow                                         |     |      |      |
| 2    | 19411061  | 2    | Rubber Hose D.42-52-90                        |     |      |      |
| 3    | 19411069  | 1    | Outlet/Exh. Branch                            |     |      |      |
| 4    | 19411058  | 1    | Rubber Hose D.45-50                           |     |      |      |
| 5    | 19411055  | 1    | RUBBER ELBOW D.45-48                          |     |      |      |
| 6    | 19411064  | 1    | Rubber Hose D.48-55-90                        |     |      |      |
| 7    | 19411063  | 1    | Rubber Hose D.22-32-70                        |     |      |      |
| 8    | 19411057  | 1    | Rubber Elbow D.42-50                          |     |      |      |
| 9    | 19411056  | 1    | RUBBER ELBOW D.20                             |     |      |      |
| 10   | 19411041  | 1    | Purge Hose                                    |     |      |      |
| 11   | 19411059  | 1    | Rubber Hose D.42-50                           |     |      |      |
| 12   | 19411042  | 1    | Hose                                          |     |      |      |
| 13   | 19411073  | 1    | PIPE D.42                                     |     |      |      |
| 14   | 19411068  | 1    | Tube                                          |     |      |      |
| 15   | 19411072  | 1    | PIPE D.22                                     |     |      |      |
| 16   | 19111015  | 2    | Elbow 90° 1 1/2"                              |     |      |      |
| 17   | 16511009  | 1    | Elbow                                         |     |      |      |
| 18   | 13211027  | 1    | Water Inlet Bend                              |     |      |      |
| 19   | 19413016  | 1    | Elbow, WET Exhaust                            |     |      |      |
| 20   | 19411000R | 1    | Water Cooler Assy SDZ-109/165/175E/205/280(R) |     |      |      |
| 21   | 19413000  | 1    | MANIFOLD, Assy                                |     |      |      |
| 22   | 19411014G | 1    | Refrigerator Support                          |     |      |      |
| 23   | 19411074  | 1    | EXPANSION TANK                                |     |      |      |
| 24   | 39411000  | 1    | Key Pump SDZ-165/205/280 Gr-109/165           |     |      |      |
| 25   | 19411011  | 1    | Cooler Water Inlet BEND                       |     |      |      |
| 26   | 19411010  | 1    | Gasket                                        |     |      |      |
| 27   | 19420221  | 1    | O-Ring D. 82X4 VITON                          |     |      |      |
| 28   | 19411066  | 1    | RUBBER ELBOW D.42                             |     |      |      |
| 29   | 54082040  | 30   | Clamp DIN 3017 40-60/12 W4                    |     |      |      |
| 30   | 54082032  | 14   | Clamp DIN 3017 32-50/12 W4                    |     |      |      |
| 31   | 54081020  | 8    | Clamp DIN 3017 20-32/9 W4                     |     |      |      |



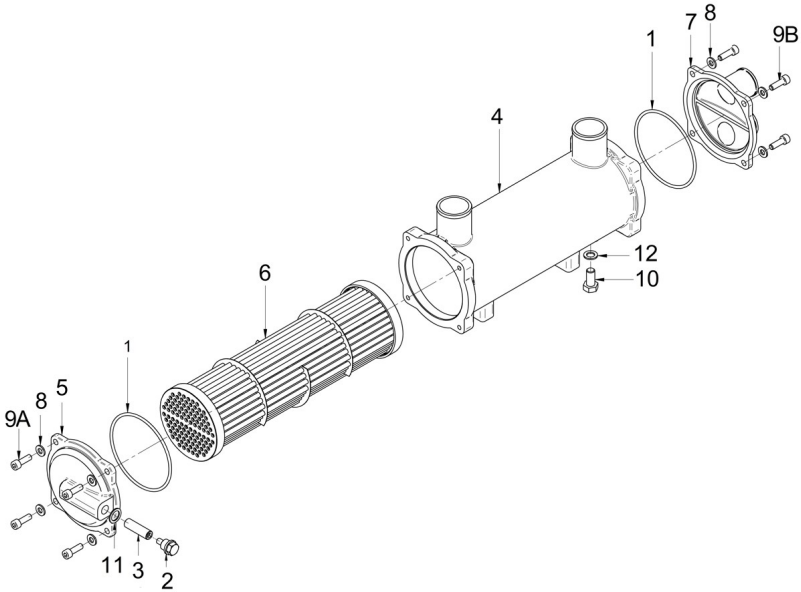
**D SDZ165EGTDN 03 2 Cooler Pipes**

| Fig. | Ref.        | Qty. | Descr.                                          | Obs | From       | UpTo       |
|------|-------------|------|-------------------------------------------------|-----|------------|------------|
| 32   | 54081008    | 5    | Clamp DIN 3017 8-16 W4                          |     |            |            |
| 33   | 12111076    | 1    | Plug                                            |     |            |            |
| 34   | 52101273    | 1    | Bolt DIN 931 M8-100 8.8                         |     |            |            |
| 35   | 52101269    | 1    | Bolt DIN 931 M8-80 8.8                          |     |            |            |
| 36   | 52101266    | 4    | Bolt DIN 931 M8-65 8.8                          |     |            |            |
| 37   | 52102158    | 1    | Bolt DIN 933 M6-25 8.8                          |     |            |            |
| 38   | 52102308    | 2    | Bolt DIN 933 M10-25 8.8                         |     |            |            |
| 39   | 52102257    | 6    | Bolt DIN 933 M8-20 8.8                          |     |            |            |
| 40   | 52102307    | 6    | Bolt DIN 933 M10-20 8.8                         |     |            |            |
| 41   | 53038008    | 2    | Washer DIN 6798-A 8                             |     |            |            |
| 42   | 53033008    | 8    | Washer GROWER DIN 127-8                         |     |            |            |
| 43   | 51030008    | 4    | Washer DIN 125-8                                |     |            |            |
| 44   | 53033010    | 9    | Washer GROWER DIN 127-10                        |     |            |            |
| 45   | 53038010    | 2    | Washer DIN 6798-A 10                            |     |            |            |
| 46   | 51030006    | 1    | Washer DIN 125-6                                |     |            |            |
| 47   | 19610060    | 1    | Pump Adaptor                                    |     |            |            |
| 48   | 52102309    | 3    | Bolt DIN 933 M10-30 8.8                         |     |            |            |
| 49   | 59071452    | 1    | Clamp 1 42/15 W1                                |     |            |            |
| 50   | 56000073    | 1    | Copper Washer 16-23-1,5                         |     |            |            |
| 51   | 19421124    | 1    | Toothed Gear                                    |     |            |            |
| 52   | 39411000A19 | 1    | Key Pump SDZ-165/205/280 GR-109/165, KIT        |     |            | 31/12/2022 |
| 52   | 39411000A22 | 1    | KEY PUMP SDZ-165/205/280 GR-109/165 (2022), Kit |     | 01/01/2023 |            |
| 53   | 19610021    | 1    | O-Ring D. 90X4 VITON                            |     |            |            |
| 54   | 19411016    | 1    | Pipe                                            |     |            | 16/02/2023 |
| 54   | 19411094    | 1    | Pump Pipe D.42                                  |     | 17/02/2023 |            |
| 55   | 19411062    | 1    | RUBBER ELBOW D.42                               |     |            |            |
| 56   | 17411013    | 1    | Thermostat Water Outlet Elbow                   |     |            |            |



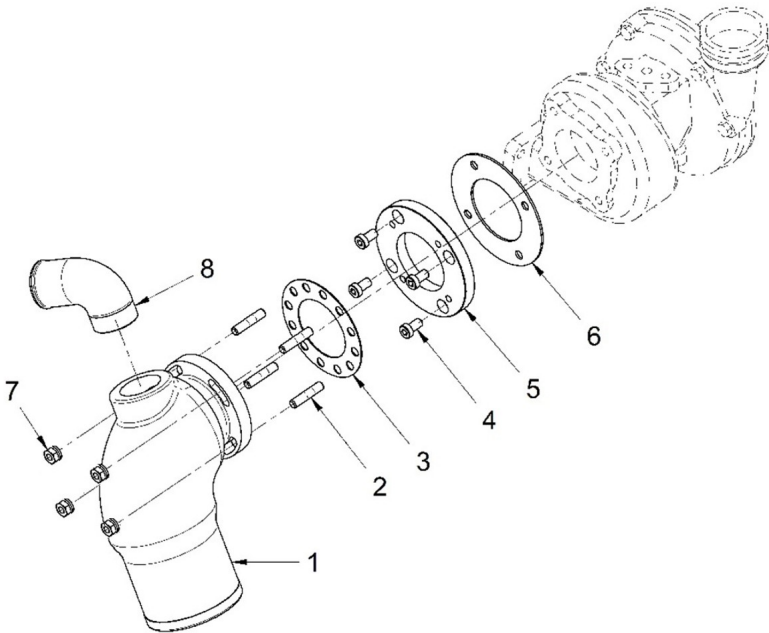
19411000 Water Cooler Assy SDZ-109/165/175E

| Fig. | Ref.     | Qty. | Descr.                    | Obs | From | UpTo |
|------|----------|------|---------------------------|-----|------|------|
| 1    | 16711007 | 2    | O-Ring D. 116X4           |     |      |      |
| 2    | 18011009 | 1    | Anode Plug                |     |      |      |
| 3    | 18011031 | 1    | Engine Anode 45 mm M.8    |     |      |      |
| 4    | 19411001 | 1    | Body, Water Cooler        |     |      |      |
| 5    | 19411003 | 1    | Water Cooler Cover        |     |      |      |
| 6    | 19411004 | 1    | Tubular Bundle            |     |      |      |
| 7    | 19411006 | 1    | Water Cooler Cover        |     |      |      |
| 8    | 51030008 | 8    | Washer DIN 125-8          |     |      |      |
| 9A   | 52103257 | 7    | Bolt DIN 912 M8-20 8.8    |     |      |      |
| 9B   | 52103258 | 1    | Bolt DIN 912 M8-25 8.8    |     |      |      |
| 10   | 54102356 | 1    | Bolt DIN 933 M12-16 INOX. |     |      |      |
| 11   | 56000073 | 1    | Copper Washer 16-23-1,5   |     |      |      |
| 12   | 56000115 | 1    | Washer 12-20-2            |     |      |      |



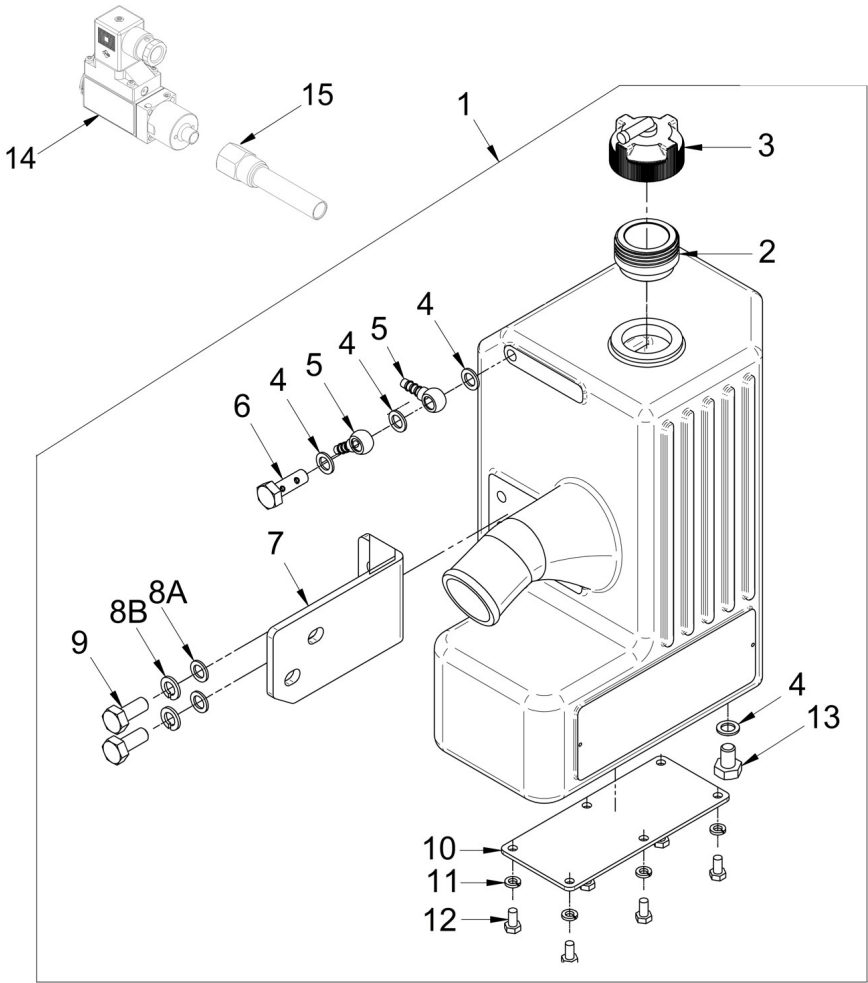
D GJ01 3 3 Wet Exhaust

| Fig. | Ref.     | Qty. | Descr.                 | Obs | From | UpTo |
|------|----------|------|------------------------|-----|------|------|
| 1    | 19413016 | 1    | Elbow, WET Exhaust     |     |      |      |
| 2    | 19411028 | 4    | Stud                   |     |      |      |
| 3    | 16513016 | 1    | Exhaust Elbow Gasket   |     |      |      |
| 4    | 52103256 | 4    | Bolt DIN 912 M8-16 8.8 |     |      |      |
| 5    | 19413014 | 1    | Adaptor                |     |      |      |
| 6    | 19413013 | 1    | Gasket                 |     |      |      |
| 7    | 51125008 | 4    | Nut Exhaust            |     |      |      |
| 8    | 16511009 | 1    | Elbow                  |     |      |      |



D SDZ109EGTDN 03 5 Expansion Tank

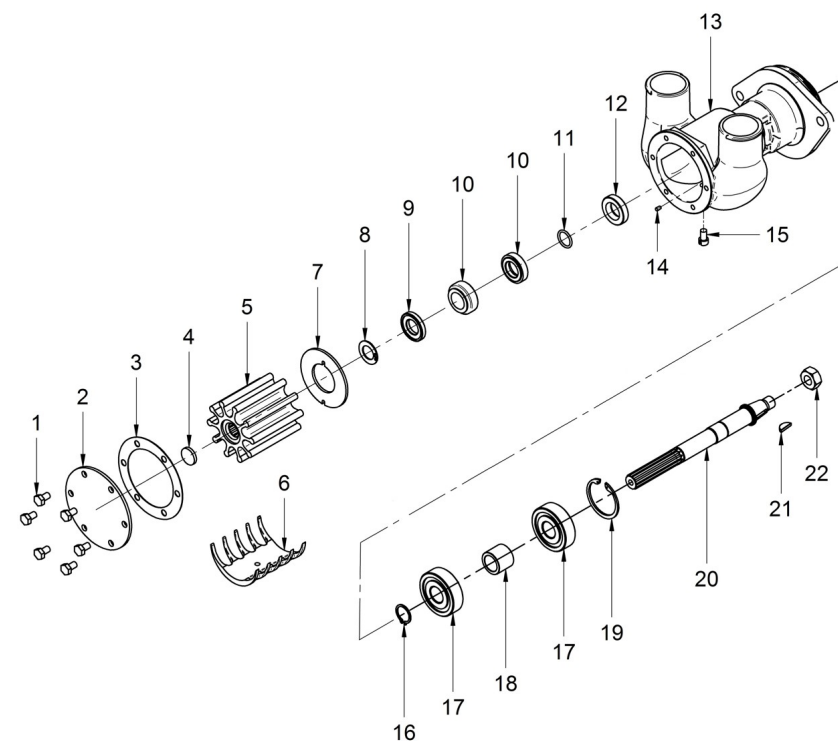
| Fig. | Ref.       | Qty. | Descr.                               | Obs | From | UpTo |
|------|------------|------|--------------------------------------|-----|------|------|
| 1    | 19411074   | 1    | EXPANSIONTANK                        |     |      |      |
| 2    | 17411004   | 1    | Adapter, MTA Cap                     |     |      |      |
| 3    | 13811010   | 1    | Cap                                  |     |      |      |
| 4    | 56000061   | 4    | Washer 10-16-1,5                     |     |      |      |
| 5    | 17614016   | 2    | COLLAR,Union                         |     |      |      |
| 6    | 19411040   | 1    | 1/8" GAS HOLLOW Screw                |     |      |      |
| 7    | 19411009.2 | 1    | Bracket                              |     |      |      |
| 8A   | 51030010   | 2    | Washer DIN 125-10                    |     |      |      |
| 8B   | 53033010   | 2    | Washer GROWER DIN 127-10             |     |      |      |
| 9    | 52102307   | 2    | Bolt DIN 933 M10-20 8.8              |     |      |      |
| 10   | 18211002   | 1    | Cover                                |     |      |      |
| 11   | 53033006   | 6    | Washer GROWER DIN 127-6              |     |      |      |
| 12   | 52102155   | 6    | Bolt DIN 933 M6-12 8.8               |     |      |      |
| 13   | 52102306   | 1    | Bolt DIN 933 M10-15 8.8              |     |      |      |
| 14   | 60994074   | 1    | Thermostat                           |     |      |      |
| 15   | 60994077   | 1    | Sensor Pocket for Temperature Switch |     |      |      |



## 39411000

## Key Pump SDZ-165/205/280 Gr-109/165

| Fig. | Ref.       | Qty. | Descr.                     | Obs | From | UpTo |
|------|------------|------|----------------------------|-----|------|------|
| 1    | 54102154   | 6    | Bolt DIN 933 M6-10 INOX    |     |      |      |
| 2    | 34711002   | 1    | Cover Pump                 |     |      |      |
| 3    | 34711003   | 1    | Gasket Cover               |     |      |      |
| 4    | 34711041   | 1    | Impeller Plug              |     |      |      |
| 5    | 39411008   | 1    | 1" L.68 Impeller           |     |      |      |
| 5    | 39411008.1 | 1    | 1" L.68 Impeller Nitrile   |     |      |      |
| 6    | 39411005   | 1    | Cam                        |     |      |      |
| 7    | 34711026   | 1    | Plate,Friction             |     |      |      |
| 8    | 54040016   | 1    | CIRclip E-16               |     |      |      |
| 9    | 36511018   | 1    | Washer,seal                |     |      |      |
| 10   | 36511019   | 1    | Seal                       |     |      |      |
| 11   | 33311013   | 1    | O-Ring D. 15X2             |     |      |      |
| 12   | 36511020   | 1    | Seal 16-30-7               |     |      |      |
| 13   | 39411001   | 1    | Body,Water Pump            |     |      |      |
| 14   | 36511017   | 1    | Pin,Dowel                  |     |      |      |
| 15   | 54108154   | 1    | Bolt DIN 84 M6-10          |     |      |      |
| 16   | 53040017   | 1    | Circlip DIN 471 E-17       |     |      |      |
| 17   | 18017083   | 2    | Ball Bearing 6303-RDD      |     |      |      |
| 18   | 39411015   | 1    | Separator Bearings         |     |      |      |
| 19   | 53041047   | 1    | CIRclip DIN 472 I-47       |     |      |      |
| 20   | 39411010   | 1    | Shaft                      |     |      |      |
| 21   | 35111035   | 1    | KEY DIN 6888 3-6,5-16 INOX |     |      |      |
| 22   | 54121012   | 1    | Nut DIN 439 M12            |     |      |      |

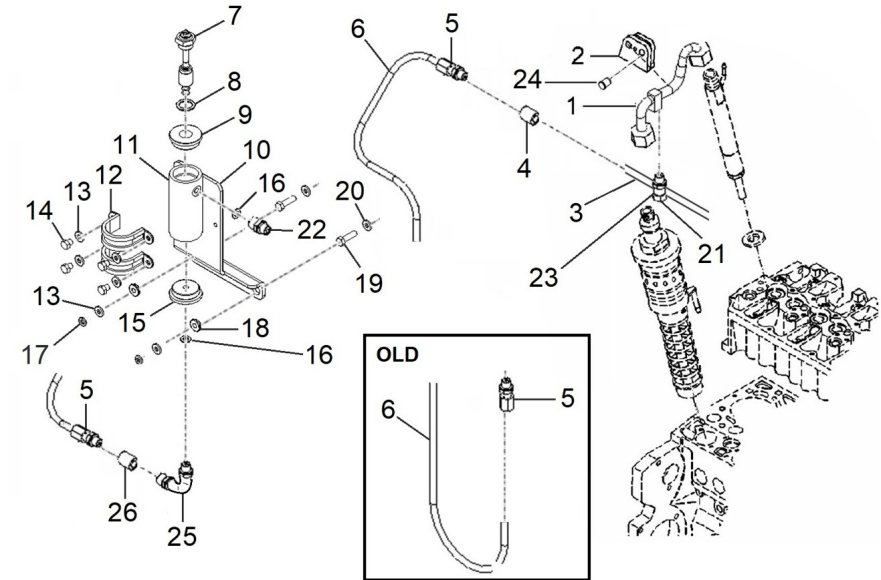


# Genset 115 GT/GTC & 120 GTA/GTAC TAC

## Fuel System

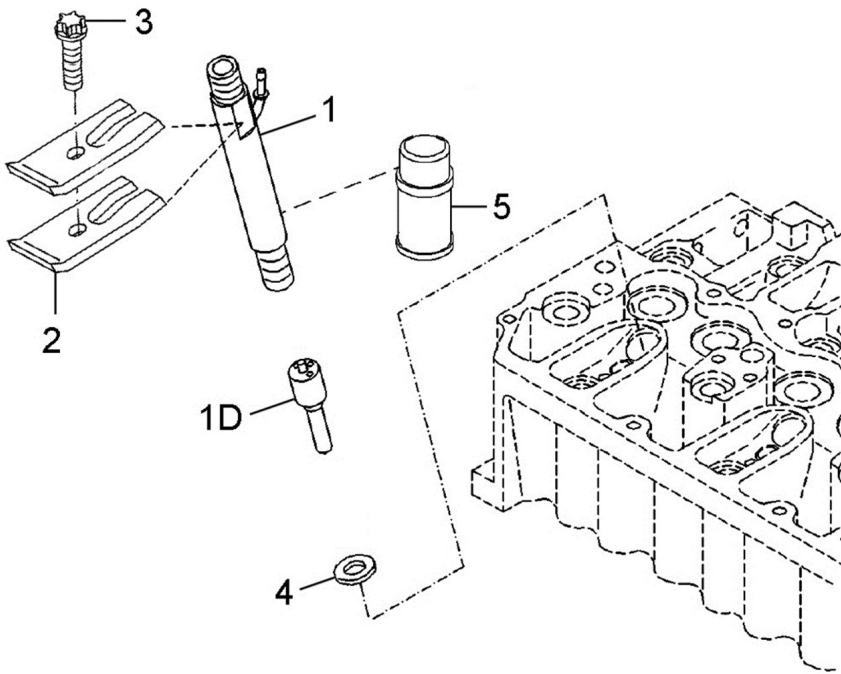
### D SDZ109EGTDN 04 1 Fuel Pipe And Fuel Leak Alarm

| Fig. | Ref.        | Qty. | Descr.                         | Obs | From       | UpTo |
|------|-------------|------|--------------------------------|-----|------------|------|
| 1    | 19524015RC  | 4    | Double-sheathed Injection Tube |     |            |      |
| 2    | 19421018    | 4    | Rubber Seal                    |     |            |      |
| 3    | 19424015R   | 1    | Pipe                           |     |            |      |
| 4    | 19414029.1  | 1    | Pipe 1/8-28 a 1/8NPT           |     |            |      |
| 5    | 19414028    | 2    | P-GEV 6LR 1/8                  |     |            |      |
| 6    | 19414038    | 1    | Fuel Leak Pipe                 |     |            |      |
| 7    | 17517017.1  | 1    | Fuel Leak Switch 24V           |     |            |      |
| 8    | 56000086    | 1    | Washer 22,3-29-1,5             |     |            |      |
| 9    | 17517009.3  | 1    | Cover, Upper                   |     |            |      |
| 10   | 19417009.5B | 1    | FUEL-LEAK BRACKET              |     |            |      |
| 11   | 17517009.2  | 1    | Tube                           |     |            |      |
| 12   | 59072482    | 2    | Clamp 2 48/20 W1               |     |            |      |
| 13   | 51030008    | 6    | Washer DIN 125-8               |     |            |      |
| 14   | 52102254    | 4    | Bolt DIN 933 M8-10 8.8         |     |            |      |
| 15   | 17517009.4  | 1    | Lower cover                    |     |            |      |
| 16   | 56000061    | 2    | Washer 10-16-1,5               |     |            |      |
| 17   | 53033008    | 2    | Washer GROWER DIN 127-8        |     |            |      |
| 18   | 19417015    | 2    | Bush                           |     |            |      |
| 19   | 52102257    | 2    | Bolt DIN 933 M8-20 8.8         |     |            |      |
| 20   | 19417039    | 2    | Bakelite Bushing               |     |            |      |
| 21   | 13114007    | 4    | Banjo Short Bolt               |     |            |      |
| 22   | 19414032    | 1    | FITTING 1/8 - 3/8              |     |            |      |
| 23   | 56000057    | 8    | Washer 8-13-1,5                |     |            |      |
| 24   | 19424068    | 4    | Plug                           |     |            |      |
| 25   | 17712007    | 1    | Elbow 1/8" GAS                 |     | 02/08/2023 |      |
| 26   | 17A14029    | 1    | 1/8-28 To M10 Threat Adaptator |     | 02/08/2023 |      |
| NS   | 19424101    | 1    | Spray stop kit                 |     |            |      |



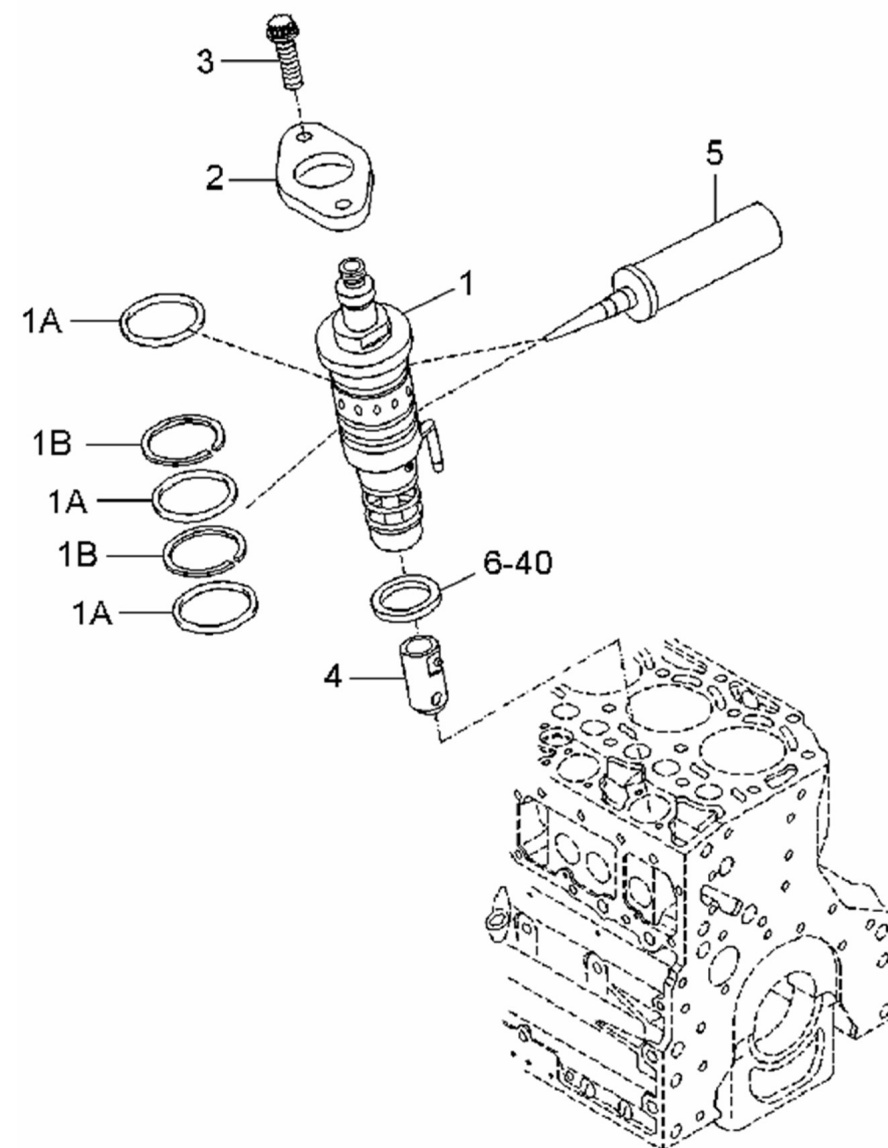
D\_GI01\_4\_2Injection Nozzle

| Fig. | Ref.      | Qty. | Descr.          | Obs | From | UpTo |
|------|-----------|------|-----------------|-----|------|------|
| 1    | 19626001  | 4    | Fuel Injector   |     |      |      |
| 1D   | 19426018G | 4    | Nozzle Element  |     |      |      |
| 2    | 19426010  | 8    | Flange          |     |      |      |
| 3    | 19426011  | 4    | Bolt            |     |      |      |
| 4    | 19426012  | 4    | SealING Ring    |     |      |      |
| 5    | 19426013  | 4    | ANTI-RUST AGENT |     |      |      |



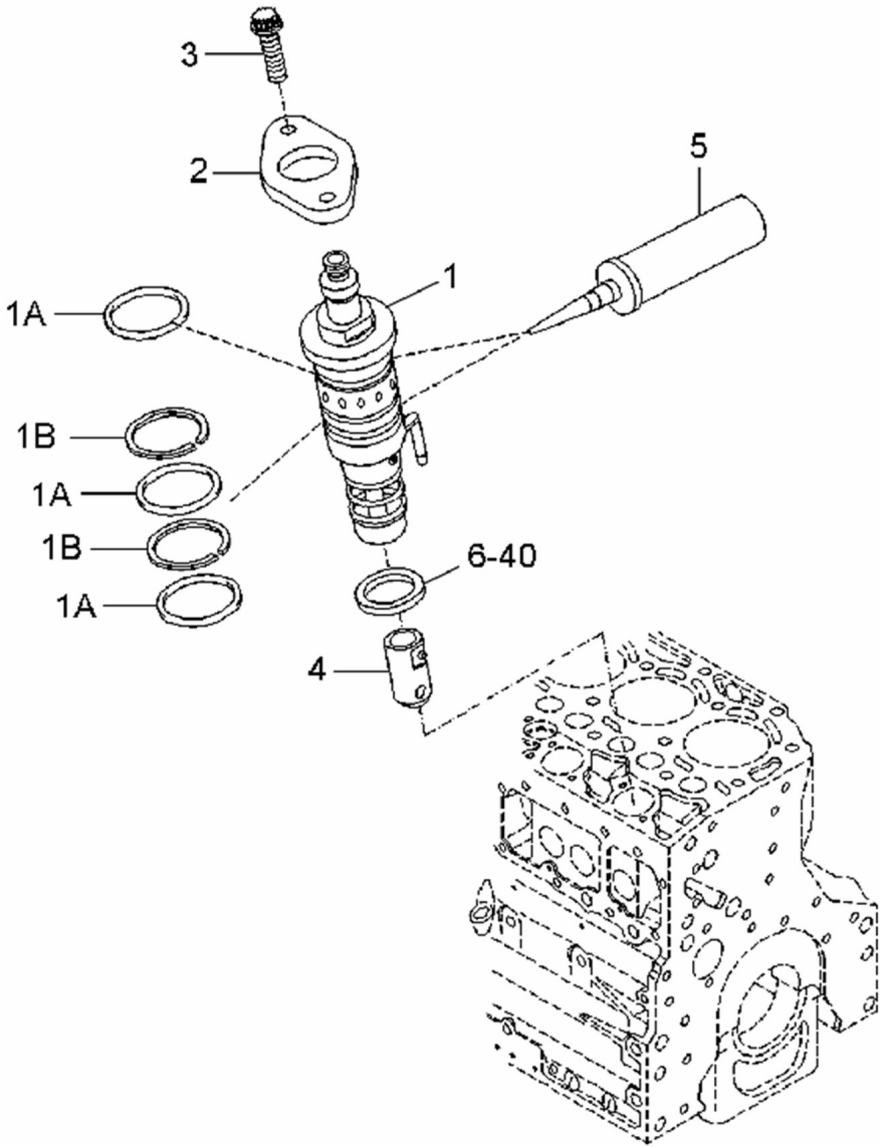
**D GI01 4 3 Fuel Injection Pump**

| Fig. | Ref.     | Qty. | Descr.                   | Obs | From | UpTo |
|------|----------|------|--------------------------|-----|------|------|
| 1    | 19425001 | 4    | Pump Assy,Fuel Injection |     |      |      |
| 1A   | 19425002 | 12   | O-Ring D. 40X3,5         |     |      |      |
| 1B   | 19425003 | 8    | Shim                     |     |      |      |
| 2    | 19420110 | 4    | Flange                   |     |      |      |
| 3    | 19420111 | 8    | COLLAR Screw             |     |      |      |
| 4    | 19420090 | 4    | Roller Tappet            |     |      |      |
| 5    | 19420113 | 1    | Lubricant                |     |      |      |
| 6    | 19420112 | 0    | Washer 1,0mm             | #   |      |      |
| 7    | 19420114 | 0    | Washer 1,1mm             | #   |      |      |
| 8    | 19420115 | 0    | Washer 1,2mm             | #   |      |      |
| 9    | 19420116 | 0    | Washer 1,3mm             | #   |      |      |
| 10   | 19420117 | 0    | Washer 1,4mm             | #   |      |      |
| 11   | 19420118 | 0    | Washer 1,5mm             | #   |      |      |
| 12   | 19420119 | 0    | Washer 1,6mm             | #   |      |      |
| 13   | 19420120 | 0    | Washer 1,7mm             | #   |      |      |
| 14   | 19420121 | 0    | Washer 1,8mm             | #   |      |      |
| 15   | 19420122 | 0    | Washer 1,9mm             | #   |      |      |
| 16   | 19420123 | 0    | Washer 2,0mm             | #   |      |      |
| 17   | 19420124 | 0    | Washer 2,1mm             | #   |      |      |
| 18   | 19420125 | 0    | Washer 2,2mm             | #   |      |      |
| 19   | 19420126 | 0    | Washer 2,3mm             | #   |      |      |
| 20   | 19420127 | 0    | Washer 2,4mm             | #   |      |      |
| 21   | 19420128 | 0    | Washer 2,5mm             | #   |      |      |
| 22   | 19420129 | 0    | Washer 2,6mm             | #   |      |      |
| 23   | 19420130 | 0    | Washer 2,7mm             | #   |      |      |
| 24   | 19420131 | 0    | Washer 2,8mm             | #   |      |      |
| 25   | 19420132 | 0    | Washer 2,9mm             | #   |      |      |
| 26   | 19420133 | 0    | Washer 3,0mm             | #   |      |      |
| 27   | 19420134 | 0    | Washer 3,1mm             | #   |      |      |
| 28   | 19420135 | 0    | Washer 3,2mm             | #   |      |      |
| 29   | 19420136 | 0    | Washer 3,3mm             | #   |      |      |



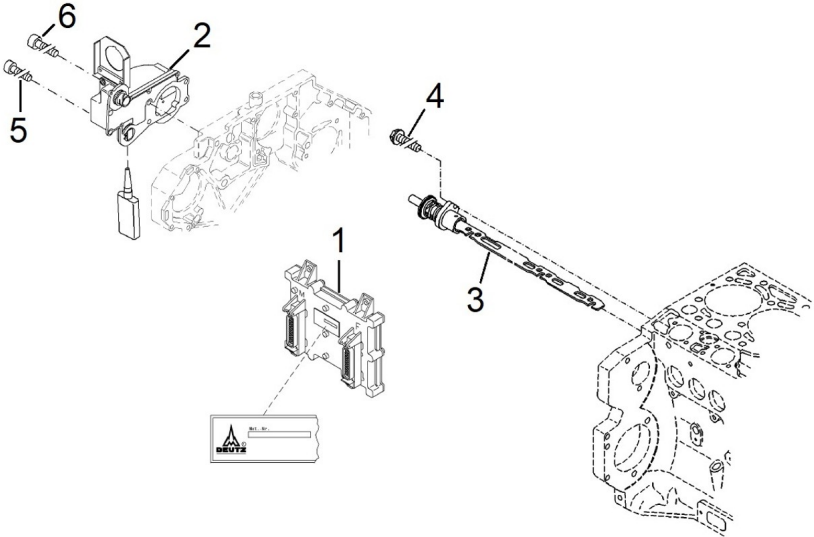
D\_GI01\_4\_3 Fuel Injection Pump

| Fig. | Ref.     | Qty. | Descr.       | Obs | From | UpTo |
|------|----------|------|--------------|-----|------|------|
| 30   | 19420137 | 0    | Washer 3,4mm | #   |      |      |
| 31   | 19420138 | 0    | Washer 3,5mm | #   |      |      |
| 32   | 19420139 | 0    | Washer 3,6mm | #   |      |      |
| 33   | 19420140 | 0    | Washer 3,7mm | #   |      |      |
| 34   | 19420141 | 0    | Washer 3,8mm | #   |      |      |
| 35   | 19420142 | 0    | Washer 3,9mm | #   |      |      |
| 36   | 19420143 | 0    | Washer 4,0mm | #   |      |      |
| 37   | 19420144 | 0    | Washer 4,1mm | #   |      |      |
| 38   | 19420145 | 0    | Washer 4,2mm | #   |      |      |
| 39   | 19420146 | 0    | Washer 4,3mm | #   |      |      |
| 40   | 19420147 | 0    | Washer 4,4mm | #   |      |      |



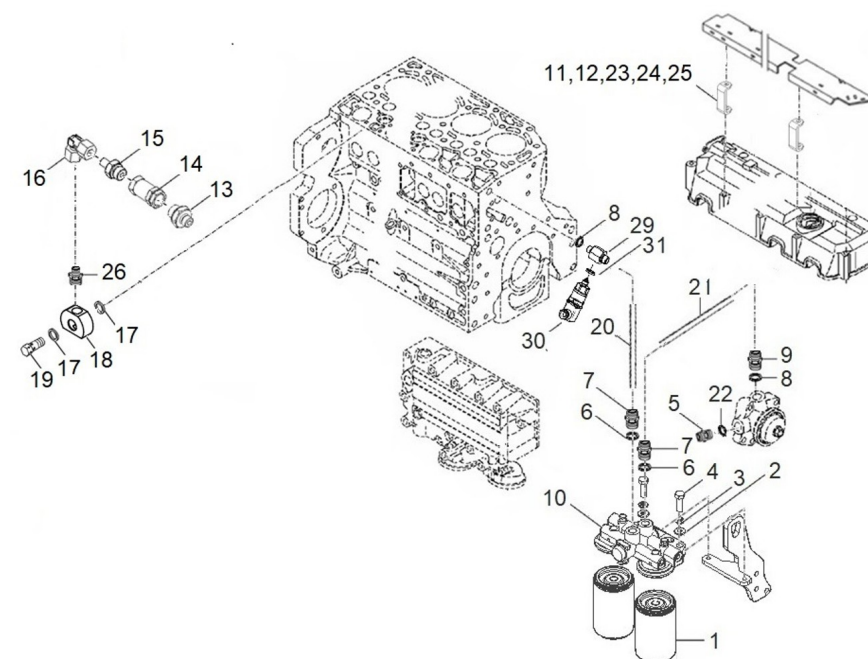
D SDZ109EGTDN 04 4 Regulator

| Fig. | Ref.       | Qty. | Descr.                 | Obs | From | UpTo |
|------|------------|------|------------------------|-----|------|------|
| 1    | 19423019   | 1    | ECU Group SDZ-109E EMR |     |      |      |
| 2    | 19427190   | 1    | Actuator               |     |      |      |
| 3    | 19423025   | 1    | Control ROD            |     |      |      |
| 4    | 19423026   | 1    | HEXAGON Bolt           |     |      |      |
| 5    | 19427154.1 | 3    | Cheese head screw      |     |      |      |
| 6    | 19427153.1 | 2    | Cheese head screw      |     |      |      |

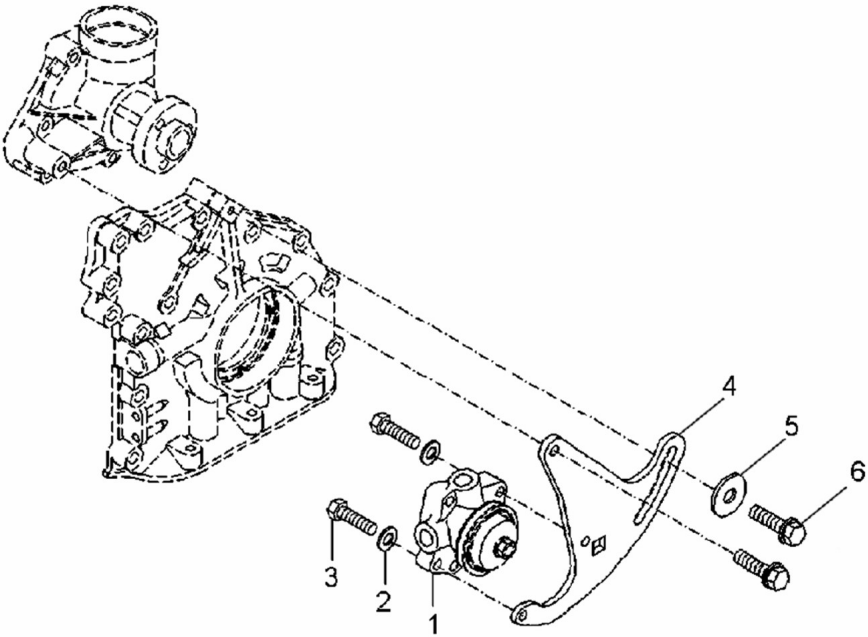


**D SDZ165EGTDN 04 5 Fuel Supply Parts**

| Fig. | Ref.     | Qty. | Descr.                                | Obs                                                                                 | From       | UpTo |
|------|----------|------|---------------------------------------|-------------------------------------------------------------------------------------|------------|------|
| 1    | 19424022 | 2    | Fuel Filter Element SDZ-165/205/280   |                                                                                     |            |      |
| 2    | 51030010 | 2    | Washer DIN 125-10                     |                                                                                     |            |      |
| 3    | 53033010 | 2    | Washer GROWER DIN 127-10              |                                                                                     |            |      |
| 4    | 52102310 | 2    | Bolt DIN 933 M10-35 8.8               |                                                                                     |            |      |
| 5    | 19414023 | 1    | Racord Fitting M-M 3/8"-M16x150       |                                                                                     |            |      |
| 6    | 57000378 | 2    | Washer 18-24-1,5                      |                                                                                     |            |      |
| 7    | 19414039 | 2    | Racor Fitting Male M18x150-M20x150    |                                                                                     |            |      |
| 8    | 56000069 | 2    | Washer 14-20-1,5                      |                                                                                     |            |      |
| 9    | 19414024 | 2    | Fitting Adapter Male 3/8" to M14x1.5  |                                                                                     |            |      |
| 10   | 17414002 | 1    | Bracket                               |                                                                                     |            |      |
| 11   | 19417033 | 2    | SPACER                                |                                                                                     |            |      |
| 12   | 52102156 | 2    | Bolt DIN 933 M6-16 8.8                |                                                                                     |            |      |
| 13   | 19414035 | 1    | Conversion Adapter 3/8 - 1/2          |                                                                                     |            |      |
| 14   | 19414034 | 1    | VALVE WITH ONE-WAY FITTING 1/2 H-H    |                                                                                     |            |      |
| 15   | 19414033 | 1    | ELM 12/8 L 2500                       |                                                                                     |            |      |
| 16   | 19414027 | 1    | P-EWV-12L                             |                                                                                     |            |      |
| 17   | 19421116 | 2    | SealING Ring                          |                                                                                     |            |      |
| 18   | 19410006 | 1    | Adapter                               |                                                                                     |            |      |
| 19   | 19424053 | 1    | Valve Assy                            |                                                                                     |            |      |
| 20   | 19414008 | 1    | Fuel hose                             |                                                                                     |            |      |
| 21   | 19414009 | 1    | Fuel hose                             |                                                                                     |            |      |
| 22   | 56000073 | 1    | Copper Washer 16-23-1,5               |                                                                                     |            |      |
| 23   | 52120006 | 2    | Nut DIN 934 M6 8.8                    |                                                                                     |            |      |
| 24   | 53033006 | 2    | Washer GROWER DIN 127-6               |                                                                                     |            |      |
| 25   | 51030006 | 2    | Washer DIN 125-6                      |                                                                                     |            |      |
| 26   | 19414040 | 1    | M14 T12 Adapter                       |                                                                                     |            |      |
| 29   | 19414041 | 1    | Conversion Adapter M14 A G1/4 G3/8    |                                                                                     | 01/01/2025 |      |
| 30   | 60994076 | 1    | Marine Approved Pressure Transmitters |                                                                                     | 01/01/2025 |      |
| 31   | 56000219 | 1    | Washer 14-20-3                        |                                                                                     | 01/01/2025 |      |
| NS   | 19424101 | 1    | Spray stop kit                        |  |            |      |

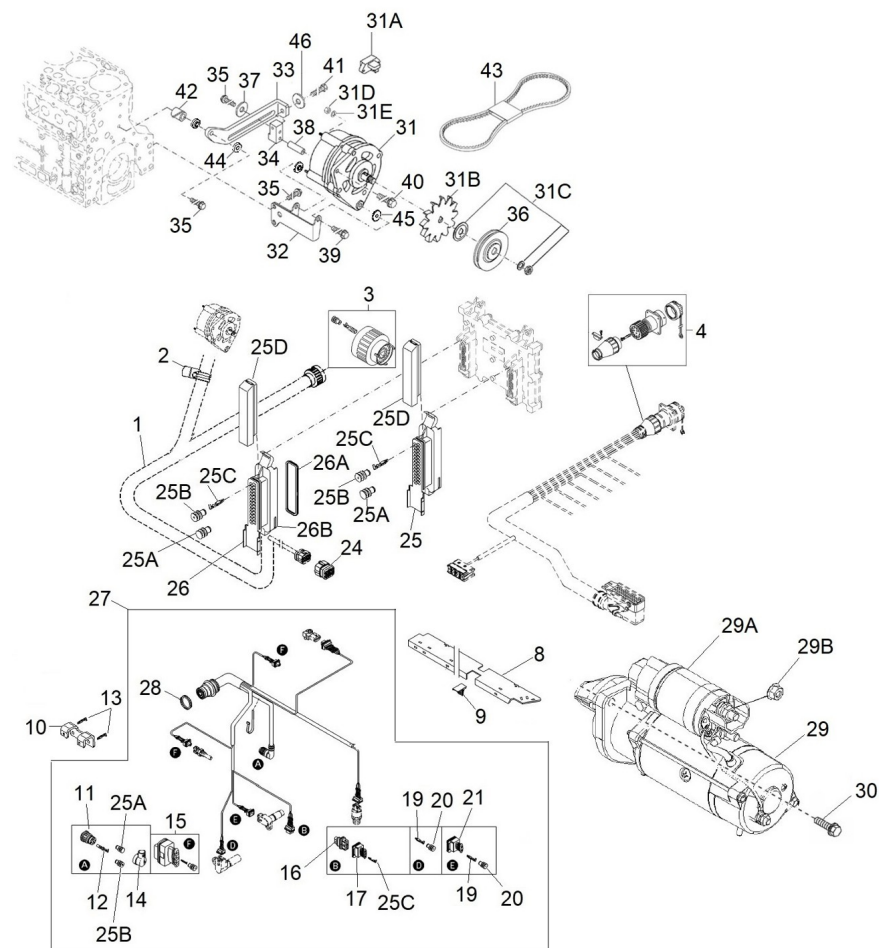


| D_GJ01_4_6 |            |      |                        |     |           |
|------------|------------|------|------------------------|-----|-----------|
| Feed Pump  |            |      |                        |     |           |
| Fig.       | Ref.       | Qty. | Descr.                 | Obs | From UpTo |
| 1          | 19424040G  | 1    | Fuel Pump              |     |           |
| 2          | 19424043   | 2    | Spring Washer          |     |           |
| 3          | 52103258   | 2    | Bolt DIN 912 M8-25 8.8 |     |           |
| 4          | 19424041.1 | 1    | Clamping Strap         |     |           |
| 5          | 19424047.1 | 1    | Plain Washer           |     |           |
| 6          | 19424006   | 2    | HEXAGON Bolt           |     |           |



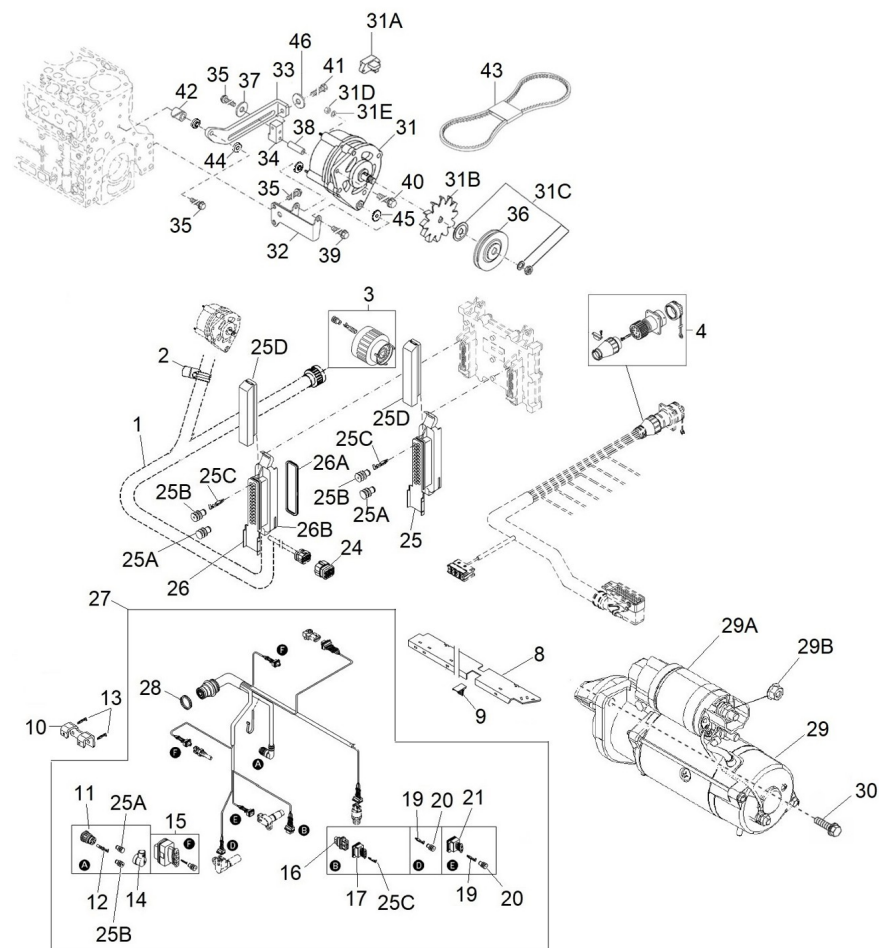
**D SDZ109EGTDN 05 1 24V Electrical System**

| Fig. | Ref.      | Qty. | Descr.                                          | Obs | From | UpTo |
|------|-----------|------|-------------------------------------------------|-----|------|------|
| 1    | 60994214  | 1    | SDZ-109/165 DNV marine genset aux. elect. inst. |     |      |      |
| 2    | 13817011  | 1    | Bracket                                         |     |      |      |
| 3    | 19427195  | 1    | Plug-in Connector                               |     |      |      |
| 4    | 19427152  | 1    | Plug-in Connector                               |     |      |      |
| 8    | 19427185  | 1    | Cover Plate                                     |     |      |      |
| 9    | 19427186  | 1    | Cable Clamp                                     |     |      |      |
| 10   | 19417018  | 1    | Electrical Wiring Bracket                       |     |      |      |
| 11   | 19427181  | 1    | Receptacle Housing                              |     |      |      |
| 12   | 19427182  | 5    | Jack                                            |     |      |      |
| 13   | 52102156  | 2    | Bolt DIN 933 M6-16 8.8                          |     |      |      |
| 14   | 19427183  | 1    | Snood                                           |     |      |      |
| 15   | 19427179  | 2    | Plug-in Connector                               |     |      |      |
| 16   | 19427180  | 1    | Plug Housing                                    |     |      |      |
| 17   | 19427178  | 1    | Housing                                         |     |      |      |
| 19   | 19427175  | 4    | Jack                                            |     |      |      |
| 20   | 19427176  | 7    | Gasket                                          |     |      |      |
| 21   | 19427184  | 1    | Housing                                         |     |      |      |
| 24   | 19427194  | 1    | Plug-in Connector                               |     |      |      |
| 25   | 19427151  | 1    | Plug-in Connector                               |     |      |      |
| 25A  | 19427169  | 39   | Plug                                            |     |      |      |
| 25B  | 19427168  | 47   | Gasket                                          |     |      |      |
| 25C  | 19427170  | 45   | Jack                                            |     |      |      |
| 25D  | 19427167  | 2    | Housing Cover                                   |     |      |      |
| 26   | 19427197  | 1    | Plug-in Connector                               |     |      |      |
| 26A  | 19427199  | 1    | Rubber Gasket                                   |     |      |      |
| 26B  | 19427198  | 1    | Bearing Housing                                 |     |      |      |
| 27   | 19427174  | 1    | Cable Harness                                   |     |      |      |
| 28   | 19427177  | 1    | Circlip                                         |     |      |      |
| 29   | 19427045  | 1    | Starter                                         |     |      |      |
| 29A  | 19427106G | 1    | SWITCH Assy                                     |     |      |      |
| 29B  | 19620046  | 1    | Hexagon Nut                                     |     |      |      |



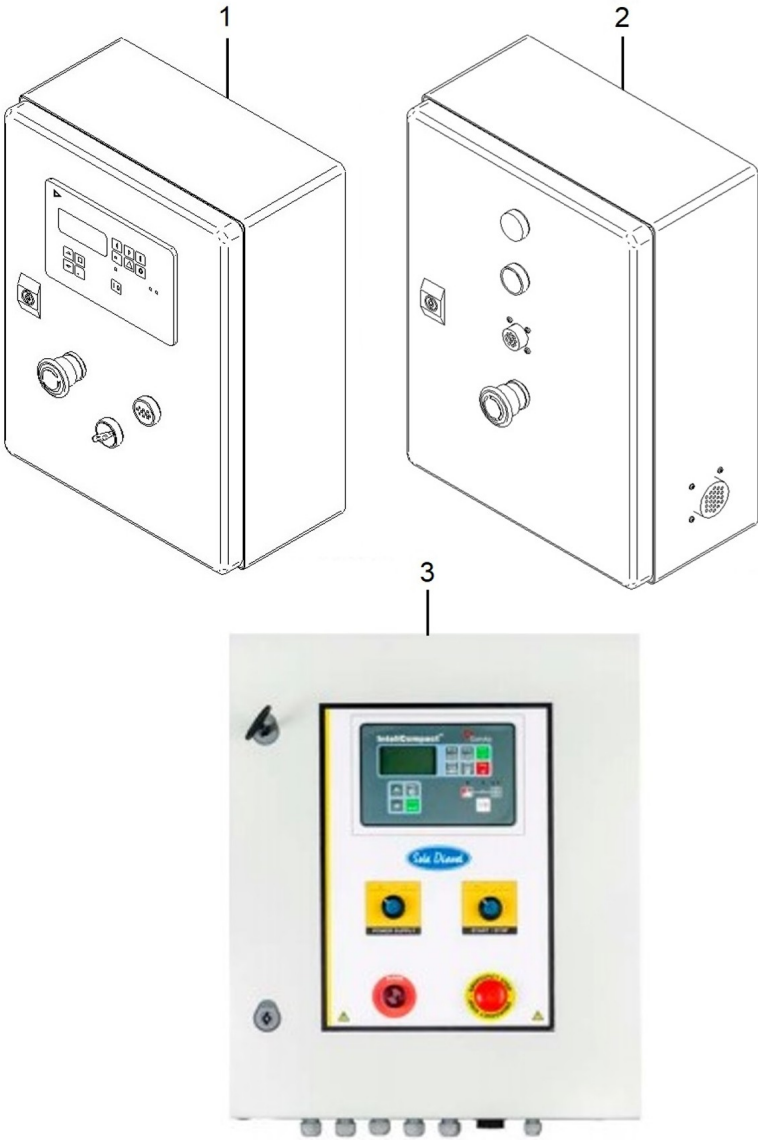
**D SDZ109EGTDN 05 1 24V Electrical System**

| Fig. | Ref.        | Qty. | Descr.                   | Obs | From | UpTo |
|------|-------------|------|--------------------------|-----|------|------|
| 30   | 19427020.1  | 3    | Bolt                     |     |      |      |
| 31   | 19427010GB  | 1    | Alternator 24V/35A       |     |      |      |
| 31A  | 19427016G.2 | 1    | Volatge Regulator        |     |      |      |
| 31B  | 19427015.2  | 1    | Fan                      |     |      |      |
| 31C  | 19427018.1  | 1    | Fastenings               |     |      |      |
| 31D  | 51123006    | 1    | Nut DIN 985 M6 5.6       |     |      |      |
| 31E  | 53033006    | 1    | Washer GROWER DIN 127-6  |     |      |      |
| 32   | 19427002G.1 | 1    | Bracket, Alternator      |     |      |      |
| 33   | 19427007G.1 | 1    | Plate                    |     |      |      |
| 34   | 19427008G.1 | 1    | Threaded Piece           |     |      |      |
| 35   | 19424006    | 4    | HEXAGON Bolt             |     |      |      |
| 36   | 19427052G.2 | 1    | Pulley                   |     |      |      |
| 37   | 19424047.1  | 1    | Plain Washer             |     |      |      |
| 38   | 19427026    | 1    | Bush                     |     |      |      |
| 39   | 19422053    | 1    | HEXAGON Bolt             |     |      |      |
| 40   | 19428006    | 1    | Screw                    |     |      |      |
| 41   | 19427013.1  | 1    | Hexagon bolt             |     |      |      |
| 42   | 17217005    | 1    | Spacer 8,5X25X8,5        |     |      |      |
| 43   | 17017025    | 1    | Belt Type SPZX 1012      |     |      |      |
| 44   | 17117012    | 2    | Tensor Bakelite Bushing  |     |      |      |
| 45   | 19417011    | 2    | Bracket Bakelite Bushing |     |      |      |
| 46   | 19428007.1  | 1    | Plain washer             |     |      |      |
| NS   | 58018160    | 1    | Screw                    |     |      |      |
| NS   | 60900152    | 1    | Wire                     |     |      |      |
| NS   | 60900155    | 1    | Wire                     |     |      |      |
| NS   | 60900289    | 1    | Wire                     |     |      |      |
| NS   | 60900956    | 2    | 10k ohm Resistor         |     |      |      |



D SDZ165EGTDN 05 2 Control Cabinets

| Fig. | Ref.     | Qty. | Descr.                                   | Obs | From | UpTo |
|------|----------|------|------------------------------------------|-----|------|------|
| 1    | 60994215 | 1    | CO 40 SDZ-109/165 TAC box                |     |      |      |
| 2    | 60994223 | 1    | Parallel prep. ECU SDZ-109/165 TAC box   |     |      |      |
| 3    | 60994704 | 1    | Parallel Kit 115 GT 230V TAC Control 24V |     |      |      |



**D SDZ109EGTDN 05 3****Genset Extension TAC**

| <i>Fig.</i> | <i>Ref.</i> | <i>Qty.</i> | <i>Descr.</i>                                  | <i>Obs</i> | <i>From</i> | <i>UpTo</i> |
|-------------|-------------|-------------|------------------------------------------------|------------|-------------|-------------|
| 1A          | 60994217    | 1           | Genset Wiring Ext. SDZ-109/165 TA 6 M.         |            |             |             |
| 1B          | 60994218    | 1           | Genset Wiring Ext. SDZ-109/165 TA 12 M.        |            |             |             |
| 1C          | 60994219    | 1           | Genset Wiring Ext. SDZ-109/165 TA 24 M.        |            |             |             |
| 1D          | 60974552    | 1           | 3-way Wiring Wxtension for Auxiliary Kits 4 m  |            |             |             |
| 1E          | 60900165    | 1           | 3-way Wiring Extension for Auxiliary Kits 6 m  |            |             |             |
| 1F          | 60900166    | 1           | 3-way Wiring Extension for Auxiliary Kits 12 m |            |             |             |
| 1G          | 60900167    | 1           | 3-way Wiring Extension for Auxiliary Kits 24 m |            |             |             |
| 1H          | 60972104    | 1           | Double Panel SCO 12 M. Harness                 |            |             |             |
| 1I          | 60972105    | 1           | Double Panel SCO 24 M. Harness                 |            |             |             |
| 1J          | 60972110    | 1           | Double Panel SCO 36 M. Harness                 |            |             |             |
| 1K          | 60972145    | 1           | Double Panel SCO 45 M. Harness                 |            |             |             |
| 1L          | 60994503    | 1           | Communication Cable                            |            |             |             |
| 1M          | 60994522    | 1           | 6 m boxes communication cable                  |            |             |             |
| 1N          | 60994521    | 1           | 12 M. Wire, Comm. Between Cabinets             |            |             |             |



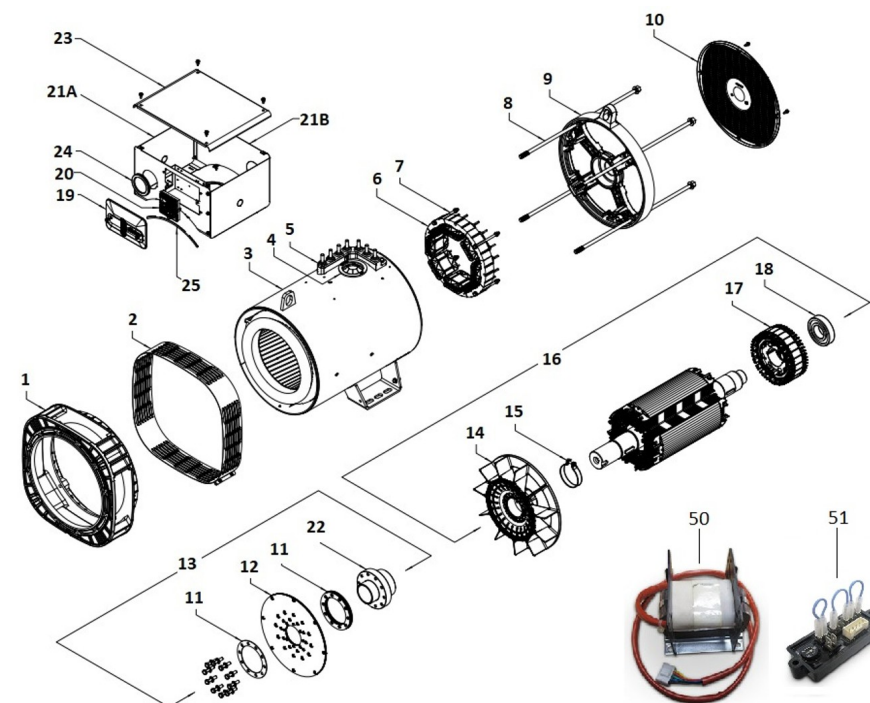
**D SDZ165EGTST 06 1****Alternator 115 GT/GTC & 120 GTA/GTAC Parallel**

| <i>Fig.</i> | <i>Ref.</i>       | <i>Qty.</i> | <i>Descr.</i>                                        | <i>Obs</i> | <i>From</i> | <i>UpTo</i> |
|-------------|-------------------|-------------|------------------------------------------------------|------------|-------------|-------------|
| 1A          | 605113130ZPI3RC   | 1           | Alt.MECC.ALTE III 135 1500 400/230 P (RC)            |            |             |             |
| 1B          | 605113130ZPI3RS   | 1           | Alt.MECC.ALTE III 135 1500 400/230 P (RS)            |            |             |             |
| 1C          | 605113125PI0R     | 1           | Alt.MECC.ALTE III 125 KVA 400/230V C-TYPE P (R)      |            |             |             |
| 1D          | 605113130ZPI3RCTC | 1           | Subst. Alt. MECC. Type B For Type C III 135 1500400/ |            |             |             |
| 1E          | 605113130ZPI3RSTC | 1           | Subst. Alt. MECC. Type B For C III 135 1500 400/230  |            |             |             |
| 1F          | 605113125PI2R     | 1           | Alt.MECC.ALTE III 125 KVA 230V C-TYPE P (R)          |            |             |             |
| 1G          | 605113130ZPI4RCTC | 1           | Subst. Alt. MECC. Type B For Type C III 135 KVA 230V |            |             |             |
| 1H          | 605113130ZPI4RSTC | 1           | Subst. Alt. MECC. Type B For C III 135 KVA 1500 230V |            |             |             |
| 1I          | 605123156PI0RCTC  | 1           | Subst. Alt. MECC. Type B For Type C III 162KVA 1800  |            |             |             |
| 1J          | 605123156PI0RSTC  | 1           | Subst. Alt. MECC. Type B For Type C III 162KVA 1800  |            |             |             |
| 1K          | 605123150PI4R     | 1           | Alt.MECC.ALTE III 150 KVA 480/277V C-TYPE P (R)      |            |             |             |
| 1L          | 605123150PI1R     | 1           | Alt.MECC.ALTE III 150 KVA 240V C-TYPE P (R)          |            |             |             |



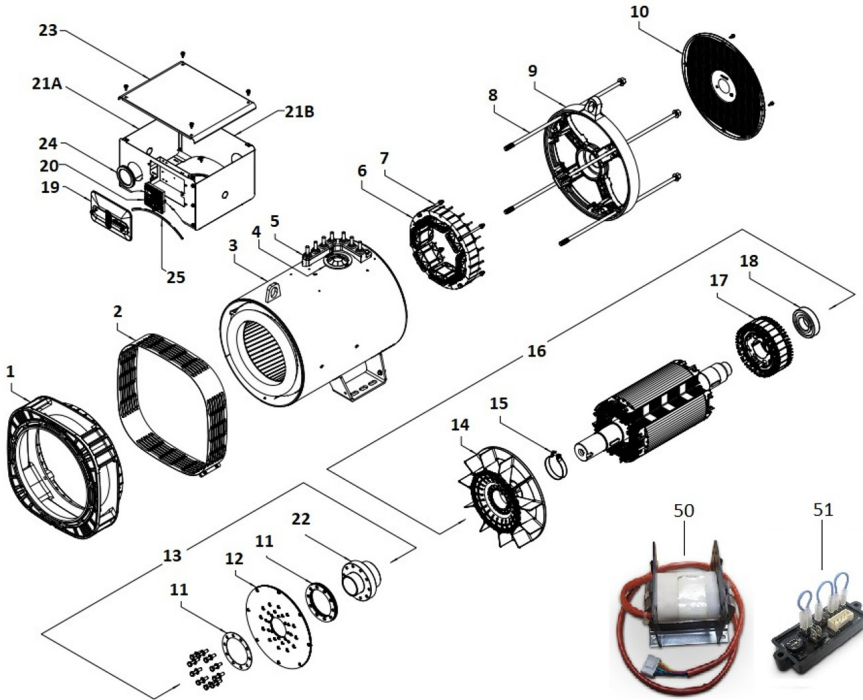
**D 605113125ZIO****Spare Part List Alternator Type C 115GT Y 120 GTA**

| Fig. | Ref.            | Qty. | Descr.                                         | Obs | From    | UpTo    |
|------|-----------------|------|------------------------------------------------|-----|---------|---------|
| 1    | 605113125ZIO.1  | 1    | Drive end Bracket                              |     |         |         |
| 2    | 605113125ZIO.2  | 1    | Protection Screen                              |     |         |         |
| 3    | 605113125ZIO.3  | 1    | Frame and Stator                               |     |         |         |
| 4    | 605113130Z3.19  | 1    | Cable Grommet, 90mm Hole                       |     |         |         |
| 5    | 605113125ZIO.4  | 1    | Terminal Board 7 pin M12                       |     |         |         |
| 6    | 605113085Z5.5   | 1    | Exciter Stator H-55 8P - S/L                   |     |         | 02/2020 |
| 6    | 605113125ZIO.5  | 1    | Exciter Stator H-45 8P                         |     | 02/2020 |         |
| 7    | 605113125ZIO.6  | 1    | Exciter Stay Bolt                              |     |         | 02/2020 |
| 7    | 605113130Z3.24  | 1    | Exciter Stay Bolt                              |     | 02/2020 |         |
| 8    | 605113125ZIO.7  | 1    | Cover Stay Bolt                                |     |         |         |
| 9    | 605113125ZIO.8  | 1    | Aluminum non Drive end Bracket                 |     |         |         |
| 10   | 605113125ZIO.9  | 1    | Rear Seal                                      |     |         |         |
| 11   | 605113085Z5.16  | 1    | Disc Locking Ring                              |     |         |         |
| 12   | 605113085Z5.13  | 1    | Disc Plates SAE 11,5                           |     |         |         |
| 13   | 605113125ZIO.10 | 1    | Kit Coupling Disc Plates SAE 11,5              |     |         | 05/2020 |
| 13   | 605113125ZIO.11 | 1    | Kit Coupling Disc Plates SAE 11,5              |     | 05/2020 |         |
| 14   | 605113125ZIO.12 | 1    | Plastic Fan                                    |     |         |         |
| 15   | 605113125ZIO.13 | 1    | Clamp 95x22                                    |     |         |         |
| 16   | 605113125ZIO.14 | 1    | Rotor Assy                                     |     |         |         |
| 17   | 605113125ZIO.15 | 1    | Exciter Armature, H-55 (+ Diodes), 78.5mm Hole |     |         | 02/2020 |
| 17   | 605113125ZIO.16 | 1    | Exciter Armature, H-45 (+ diodes), 78.5mm Hole |     | 02/2020 |         |
| 18   | 605113085Z5.9   | 1    | Rear Bearing 6311-2RS C3                       |     |         |         |
| 19   | M9909505310     | 1    | Regulator Cap                                  |     |         |         |
| 20   | 60500023.1      | 1    | Electronic Regulator DSR                       |     |         |         |
| 21A  | 605113125ZIO.17 | 1    | Side Panel for AVR                             |     |         |         |
| 21B  | 605113125ZIO.18 | 1    | Closed Side Panel                              |     |         |         |
| 22   | 605113085Z5.12  | 1    | Coupling Hub SAE 10 - 11,5 - 14                |     |         | 05/2020 |
| 22   | 605113125ZIO.21 | 1    | Coupling Hub                                   |     | 05/2020 |         |
| 23   | 605113125ZIO.19 | 1    | Terminal Box Lid                               |     |         |         |
| 24   | 605113125ZIO.20 | 1    | Cable Grommet                                  |     |         |         |
| 25   | 605113050Z4.8   | 1    | PVC Rubber Profile                             |     |         |         |



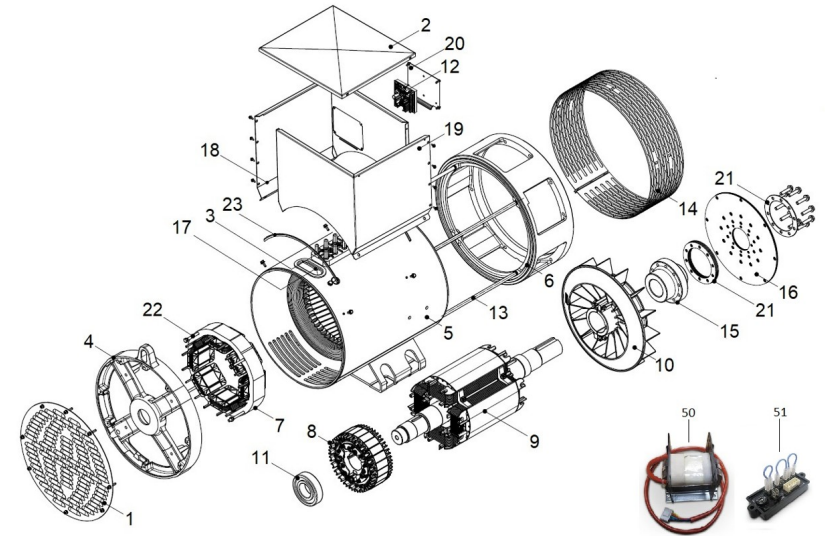
D 605113125ZIO Spare Part List Alternator Type C 115GT Y 120 GTA

| Fig. | Ref.            | Qty. | Descr.                                               | Obs                                                                               | From    | UpTo    |
|------|-----------------|------|------------------------------------------------------|-----------------------------------------------------------------------------------|---------|---------|
| 50   | 60511386P       | 1    | PD500 Parallel Device                                |                                                                                   |         |         |
| 51   | 60511387P       | 1    | PD-I Parallel Device                                 |                                                                                   |         |         |
| NS   | 605113050Z4.25  | 1    | Kit USB2DxR                                          |  |         |         |
| NS   | 605113125ZIO.22 | 1    | Kit terminal box (19+21+22+23+24+25)                 |  |         |         |
| NS   | 605113125ZIO.23 | 1    | Cable assembly + varistor + capacitor for rotating b |  | 02/2020 |         |
| NS   | 605113125ZIO.24 | 1    | Cable Assembly + Varistor + Capacitor for Rotating B |  |         | 02/2020 |



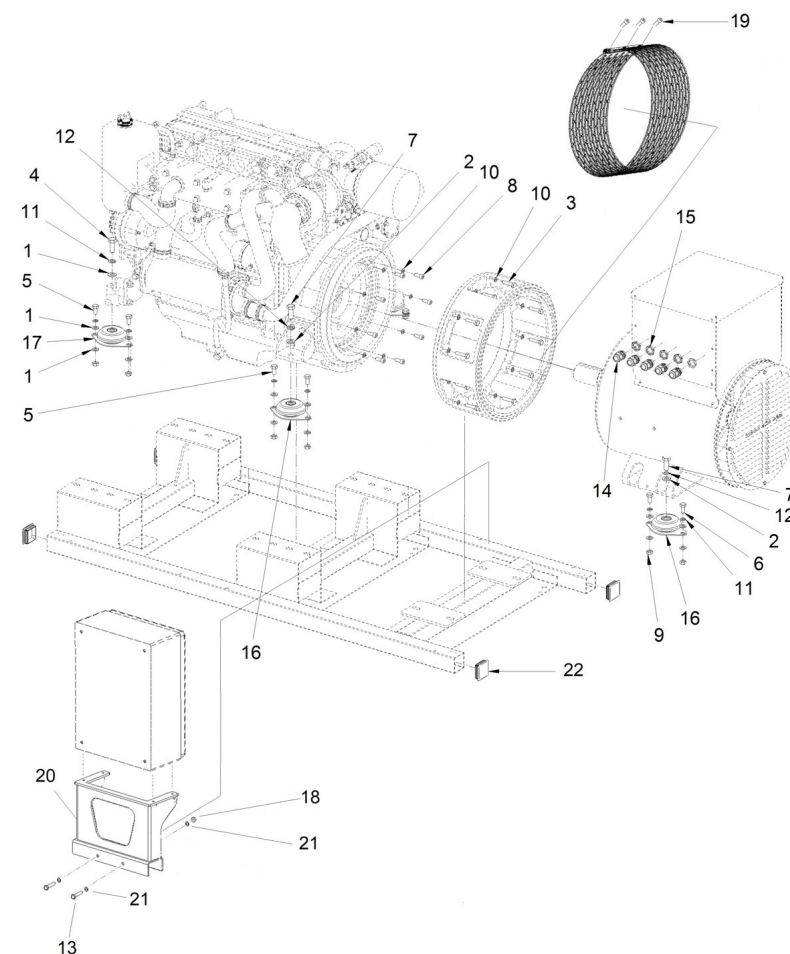
**D 605113130Z3****Alternator Spare Parts TYPE B 115GT Y 100 GTA UP TO 29/12/2021**

| Fig. | Ref.           | Qty. | Descr.                                   | Obs | From | UpTo |
|------|----------------|------|------------------------------------------|-----|------|------|
| 1    | 605113130Z3.4  | 1    | Rear Seal                                |     |      |      |
| 2    | 605113130Z3.5  | 1    | Terminal Box Lid                         |     |      |      |
| 3    | 605113085Z5.1  | 1    | Terminal Board 8 Pin                     |     |      |      |
| 4    | 605113085Z5.2  | 1    | Non Drive end Bracket                    |     |      |      |
| 5    | 605113130Z3.8  | 1    | Frame and Stator 1L                      |     |      |      |
| 6    | 605113130Z3.9  | 1    | Drive end Bracket MD 35/2                |     |      |      |
| 7    | 605113085Z5.5  | 1    | Exciter Stator H-55 8P - S/L             |     |      |      |
| 8    | 605113085Z5.6  | 1    | Excit. Armat. H-55 8P + Diodes T30 - S/L |     |      |      |
| 9    | 605113130Z3.12 | 1    | Rotor Assy 1L MD35-B14                   |     |      |      |
| 10   | 605113085Z5.8  | 1    | Fan                                      |     |      |      |
| 11   | 605113085Z5.9  | 1    | Rear Bearing 6311-2RS C3                 |     |      |      |
| 12   | 60500023.1     | 1    | Electronic Regulator DSR                 |     |      |      |
| 13   | 605113130Z3.15 | 4    | Cover Stay Bolt 34-L                     |     |      |      |
| 14   | 605113085Z5.11 | 1    | Protection Screen MD35                   |     |      |      |
| 15   | 605113085Z5.12 | 1    | Coupling Hub SAE 10 - 11,5 - 14          |     |      |      |
| 16   | 605113085Z5.13 | 1    | Disc Plates SAE 11,5                     |     |      |      |
| 17   | 605113130Z3.19 | 1    | Cable Grommet, 90mm Hole                 |     |      |      |
| 18   | 605113130Z3.20 | 1    | High Terminal Board, Front Panel         |     |      |      |
| 19   | 605113130Z3.21 | 1    | High Terminal Board, Rear Panel          |     |      |      |
| 20   | 605113130Z3.22 | 1    | Regulator Carrying Panel x Loophole      |     |      |      |
| 21   | 605113085Z5.16 | 2    | Disc Locking Ring                        |     |      |      |
| 22   | 605113130Z3.24 | 1    | Exciter Stay Bolt                        |     |      |      |
| 23   | 605113130Z3.25 | 2    | PVC Rubber Profile                       |     |      |      |
| 50   | 60511386P      | 1    | PD500 Parallel Device                    |     |      |      |
| 51   | 60511387P      | 1    | PD-I Parallel Device                     |     |      |      |
| NS   | 605113130Z3.2  | 1    | Kit Terminal Box Painted(2+96+97+98+178) |     |      |      |
| NS   | 605113130Z3.3  | 1    | Kit USB2DxR                              |     |      |      |
| NS   | 60511315.1.11  | 1    | Diode Bridge T30                         |     |      |      |



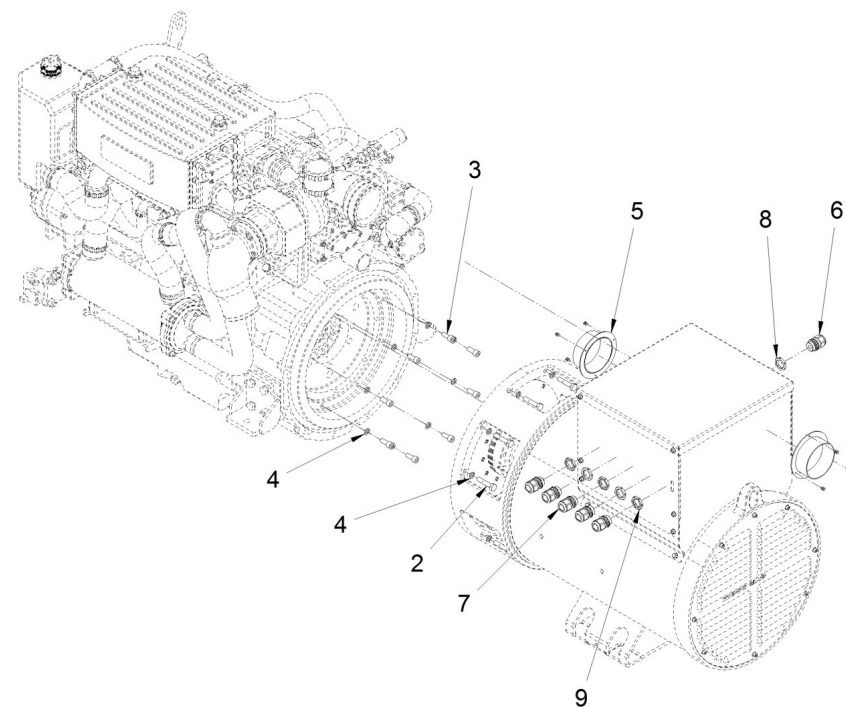
**D 60594063.3****Alternator Kit Without Canopy**

| Fig. | Ref.        | Qty. | Descr.                                        | Obs | From       | UpTo       |
|------|-------------|------|-----------------------------------------------|-----|------------|------------|
| 1    | 51030012    | 26   | Washer DIN 125-12                             |     |            |            |
| 2    | 51030016    | 4    | Washer DIN 125-16                             |     |            |            |
| 3    | 52101312    | 12   | Bolt DIN 931 M10-45 8.8                       |     |            |            |
| 4    | 52101373    | 2    | Bolt DIN 931 M12-100 8.8                      |     |            |            |
| 5    | 52102358    | 8    | Bolt DIN 933 M12-25 8.8                       |     |            |            |
| 6    | 52102359    | 4    | Bolt DIN 933 M12-30 8.8                       |     |            |            |
| 7    | 52102461    | 4    | Bolt DIN 933 M16-40 8.8                       |     |            |            |
| 8    | 52103308    | 8    | Bolt DIN 912 M10-25 8.8                       |     |            |            |
| 9    | 52120012    | 12   | Nut DIN 934 M12 8.8                           |     |            |            |
| 10   | 53033010    | 20   | Washer GROWER DIN 127-10                      |     |            |            |
| 11   | 53033012    | 14   | Washer Grower DIN 127-12                      |     |            |            |
| 12   | 53033016C   | 4    | Washer                                        |     |            |            |
| 13   | 52101269    | 2    | Bolt DIN 931 M8-80 8.8                        |     |            |            |
| 14   | 60900306    | 5    | Connector Press CAPTOR-2000 M25 RAL7001       |     |            |            |
| 15   | 60900309    | 5    | Screw Connector Press Captor-2000 M25         |     |            |            |
| 16   | 61674001    | 4    | Engine Mount Type F 40 SHA M16 H 41           |     |            |            |
| 16   | 61674004    | 4    | Engine Mount Type F BRB 110 B50 SHA M16 H 41  |     | 14/04/2023 |            |
| 17   | 61674002    | 2    | Engine Mount Type F 35 SHA M12 H 41           |     |            |            |
| 17   | 61674005    | 2    | Engine Mount Type F BRB 110 B50 SHA M12 H 41  |     | 14/04/2023 |            |
| 18   | 52120008    | 2    | Nut DIN 934 M8 8.8                            |     |            |            |
| 19   | 52102110    | 3    | Bolt DIN 933 M5-30 8.8 CINCADO                |     |            |            |
| 20   | 19417008    | 1    | Parallel box support (S)                      |     |            | 06/09/2023 |
| 20   | 19417053    | 1    | Parallel box Bracket (S)                      |     | 06/09/2023 | 08/10/2024 |
| 20   | 19417054    | 1    | Parallel box Bracket (S)                      |     | 09/10/2024 |            |
| 21   | 53033008    | 8    | Washer GROWER DIN 127-8                       |     |            |            |
| 22   | 60539019    | 4    | LID (60 Tube)                                 |     |            |            |
| NS   | 51030008    | 4    | Washer DIN 125-8                              |     |            |            |
| NS   | 51031012    | 2    | Washer DIN 9021 12                            |     |            |            |
| NS   | 52103256    | 4    | Bolt DIN 912 M8-16 8.8                        |     |            |            |
| NS   | TP.4.L.18.2 | 2    | Sec.4 Doble Long. 18 double cord end terminal |     |            |            |



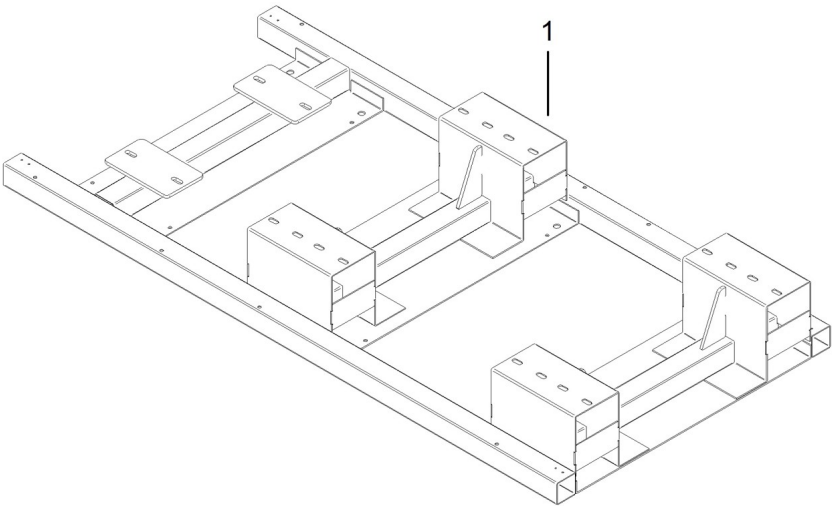
**D 60594063.2**      **Alternator Kit with Canopy**

| Fig. | Ref.        | Qty. | Descr.                                  | Obs                                                                               | From | UpTo |
|------|-------------|------|-----------------------------------------|-----------------------------------------------------------------------------------|------|------|
| 2    | 52101313    | 12   | Bolt DIN 931 M10-50 8.8                 |                                                                                   |      |      |
| 3    | 52103308    | 8    | Bolt DIN 912 M10-25 8.8                 |                                                                                   |      |      |
| 4    | 53033010    | 20   | Washer GROWER DIN 127-10                |                                                                                   |      |      |
| 5    | 60594042.64 | 2    | Air TUBING D100                         |                                                                                   |      |      |
| 6    | 60900304    | 1    | Coneector Press PA Grey IP68 M16        |                                                                                   |      |      |
| 7    | 60900306    | 5    | Connector Press CAPTOR-2000 M25 RAL7001 |                                                                                   |      |      |
| 8    | 60900307    | 1    | Screw Connector Press PA Grey IP68 M16  |                                                                                   |      |      |
| 9    | 60900309    | 5    | Screw Connector Press Captor-2000 M25   |                                                                                   |      |      |
| NS   | 60900517    | 1    | Cover,wiring                            |  |      |      |
| NS   | 60974075.1  | 1    | Fan Installation                        |  |      |      |
| NS   | 60974077    | 1    | Kit Fan Installation                    |  |      |      |
| NS   | 60994072A.1 | 1    | N BLUE Breaker TO ALT. SYStem           |  |      |      |
| NS   | 60994072G.1 | 1    | W GRAY Breaker TO ALT. SYStem           |  |      |      |
| NS   | 60994072M.1 | 1    | V BROWN Breaker TO ALT. SYStem          |  |      |      |
| NS   | 60994072N.1 | 1    | U BLACK Breaker TO ALT. SYStem          |  |      |      |

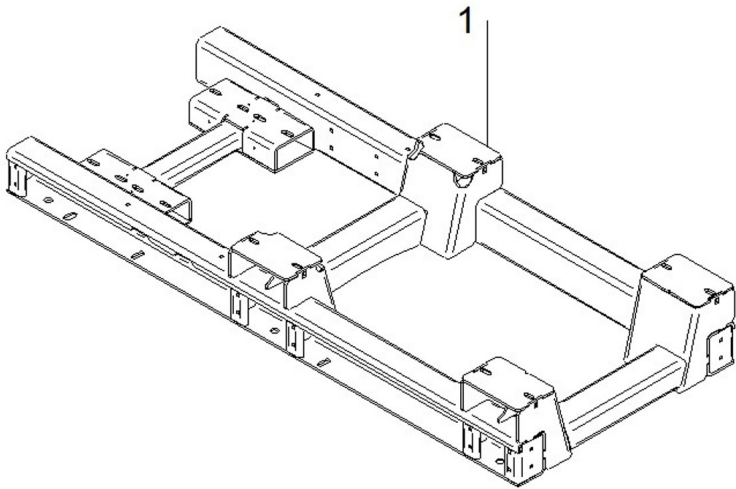


D 60594042.1      Genset Chassis

| Fig. | Ref.       | Qty. | Descr.         | Obs | From       | UpTo       |
|------|------------|------|----------------|-----|------------|------------|
| 1    | 60594042.1 | 1    | Genset CHASSIS |     | 05/04/2017 | 06/09/2023 |

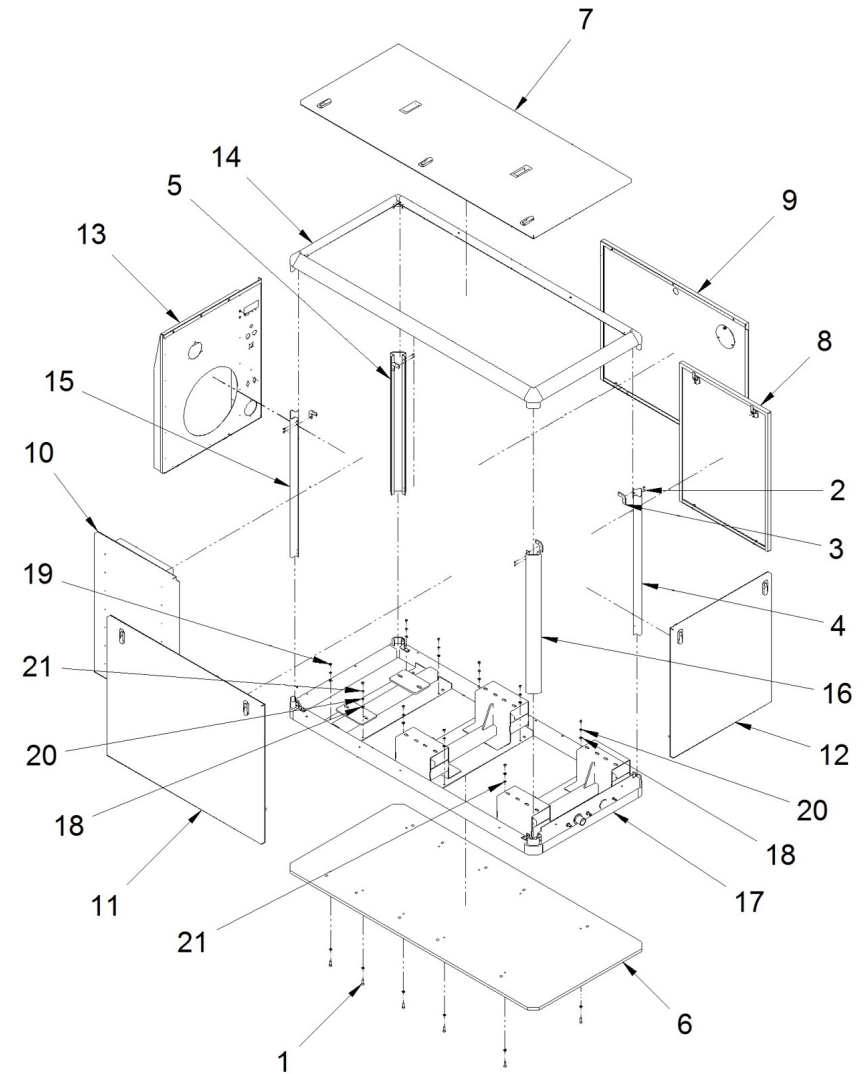


| D 60594035 |          | Chassis |            |     |            |      |
|------------|----------|---------|------------|-----|------------|------|
| Fig.       | Ref.     | Qty.    | Descr.     | Obs | From       | UpTo |
| 1          | 60594035 | 1       | Engine Bed |     | 06/09/2023 |      |



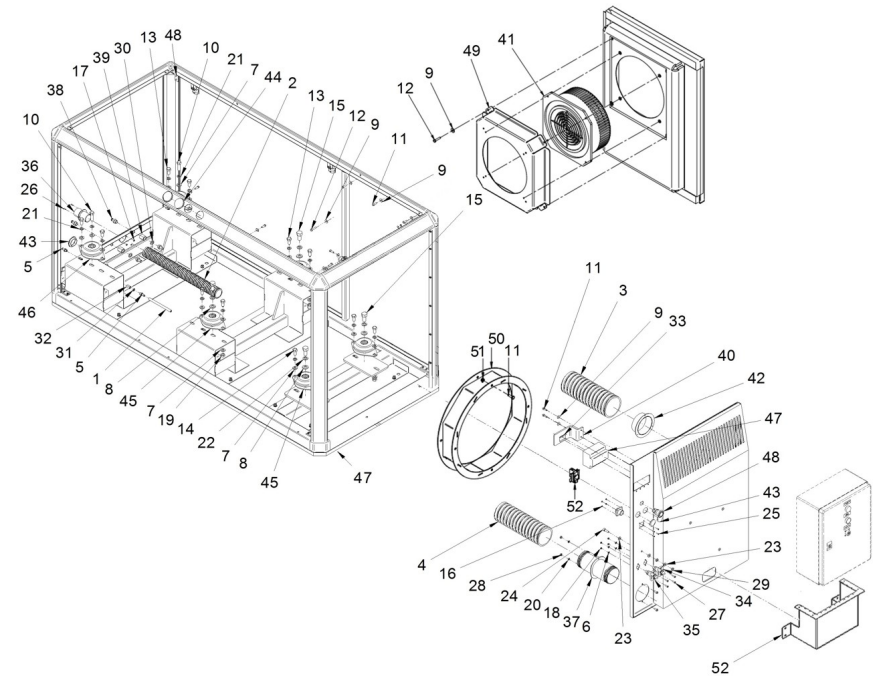
**D SDZ165EGTDN 09 1 Cabin**

| Fig. | Ref.         | Qty. | Descr.                   | Obs | From | UpTo |
|------|--------------|------|--------------------------|-----|------|------|
| 1    | 52103258     | 10   | Bolt DIN 912 M8-25 8.8   |     |      |      |
| 2    | 53105104     | 8    | Bolt DIN 7991 M5-10 12.9 |     |      |      |
| 2    | 53105105     | 8    | Bolt DIN 965 M5-10 7n    |     |      |      |
| 3    | 60573041.43  | 4    | L Fastening Bracket      |     |      |      |
| 4    | 60594042.03  | 1    | VERTICAL BAR             |     |      |      |
| 5    | 60594042.04  | 1    | VERTICAL BAR             |     |      |      |
| 6    | 60594042.10  | 1    | BASEBOARD                |     |      |      |
| 7    | 60594042.20  | 1    | Upper Panel              |     |      |      |
| 8    | 60594042.21B | 1    | Side Panel               |     |      |      |
| 9    | 60594042.21A | 1    | Side Panel               |     |      |      |
| 10   | 60594042.22A | 1    | Output Panel             |     |      |      |
| 11   | 60594042.22B | 1    | Output Panel             |     |      |      |
| 12   | 60594042.24  | 1    | FrontAL Panel            |     |      |      |
| 13   | 60594042.26  | 1    | Back Panel               |     |      |      |
| 14   | 60594042.30  | 1    | Upper FRAME              |     |      |      |
| 15   | 60594042.31  | 1    | VERTICAL BAR             |     |      |      |
| 16   | 60594042.32  | 1    | VERTICAL BAR             |     |      |      |
| 17   | 60594042.61  | 1    | Bottom Frame             |     |      |      |
| 18   | 51030008     | 20   | Washer DIN 125-8         |     |      |      |
| 19   | 52120008     | 10   | Nut DIN 934 M8 8.8       |     |      |      |
| 20   | 53033008     | 9    | Washer GROWER DIN 127-8  |     |      |      |
| 21   | 53038008     | 2    | Washer DIN 6798-A 8      |     |      |      |



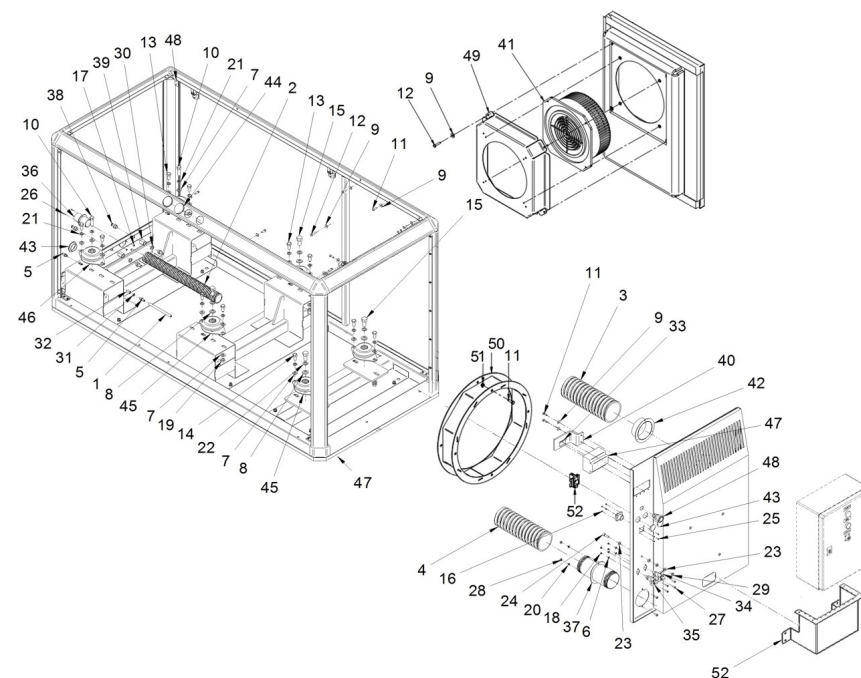
**D SDZ165EGTDN 09 2 Kit Cabin**

| Fig. | Ref.        | Qty. | Descr.                            | Obs | From       | UpTo       |
|------|-------------|------|-----------------------------------|-----|------------|------------|
| 1    | M80501006   | 1.0  | Hose D.10-6                       |     |            |            |
| 2    | 19411076    | 2.0  | HOSE DNV D.40-51 2.6 M            |     |            |            |
| 3    | M8850102114 | 1.0  | Exhaust Hose D. 102               |     |            | 04/03/2024 |
| 3    | M885710200  | 1.0  | Air Aspiration Hose D. 102        |     | 04/03/2024 |            |
| 4    | M885090102  | 1.0  | Exhaust Hose D. 90                |     |            |            |
| 5    | 13814072    | 2    | Straight Hose Connector 1/8" NPTF |     |            |            |
| 6    | 51030005    | 4    | Washer DIN 125-5                  |     |            |            |
| 7    | 51030012    | 24   | Washer DIN 125-12                 |     |            |            |
| 8    | 51030016    | 4    | Washer DIN 125-16                 |     |            |            |
| 9    | 51031006    | 11   | Washer DIN 9021 6                 |     |            |            |
| 10   | 52101373    | 2    | Bolt DIN 931 M12-100 8.8          |     |            |            |
| 11   | 52102157    | 15   | Bolt DIN 933 M6-20 8.8            |     |            |            |
| 12   | 52102159    | 4    | Bolt DIN 933 M6-30 8.8            |     |            |            |
| 13   | 52102358    | 8    | Bolt DIN 933 M12-25 8.8           |     |            |            |
| 14   | 52102359    | 4    | Bolt DIN 933 M12-30 8.8           |     |            |            |
| 15   | 52102461    | 4    | Bolt DIN 933 M16-40 8.8           |     |            |            |
| 16   | 19417007    | 1    | Parallel box support (C)          |     |            |            |
| 17   | 52120004    | 2    | Nut DIN 934 M4 8.8                |     |            |            |
| 18   | 52120005    | 4    | Nut DIN 934 M5 8.8                |     |            |            |
| 19   | 52120012    | 8    | Nut DIN 934 M12 8.8               |     |            |            |
| 20   | 53033006    | 2    | Washer GROWER DIN 127-6           |     |            |            |
| 21   | 53033012    | 14   | Washer Grower DIN 127-12          |     |            |            |
| 22   | 53033016C   | 4    | Washer                            |     |            |            |
| 23   | 54030008    | 3    | Washer DIN 125-8 INOX.            |     |            |            |
| 24   | 54103258    | 1    | Bolt DIN 912 M8-25 INOX.          |     |            |            |
| 25   | 19417111    | 1    | Terminal block 100 GTC-115 GTAC   |     |            |            |
| 26   | 54118054    | 2    | Bolt DIN 7985 M4-10 INOX          |     |            |            |
| 27   | 54118106    | 4    | Bolt DIN 7985 M5-16 INOX          |     |            |            |
| 28   | 54120006    | 2    | Nut DIN 934 M6 INOX               |     |            |            |
| 29   | 54120008    | 2    | Nut DIN 934 M8                    |     |            |            |
| 30   | 56000073    | 2    | Copper Washer 16-23-1,5           |     |            |            |



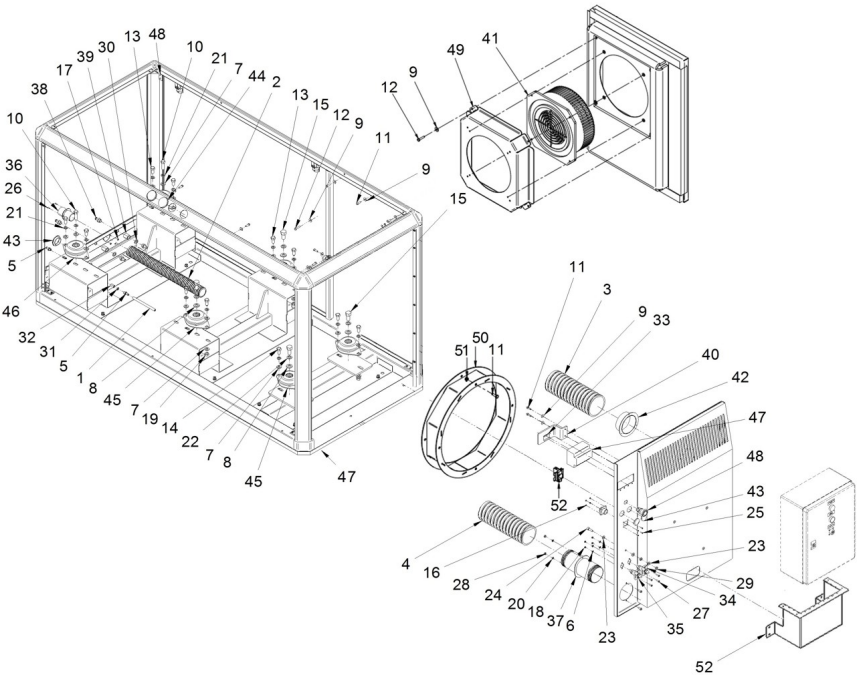
**D SDZ165EGTDN 09 2 Kit Cabin**

| Fig. | Ref.         | Qty. | Descr.                                       | Obs                                                                                 | From       | UpTo       |
|------|--------------|------|----------------------------------------------|-------------------------------------------------------------------------------------|------------|------------|
| 31   | 57000361     | 1    | Washer 10-14-1,5                             |                                                                                     |            |            |
| 32   | 60573041.39  | 1    | ROD Coupling 1/8 BSP                         |                                                                                     |            |            |
| 33   | 60573041.64  | 1    | Switch Disconnecter Omega Bracket            |                                                                                     |            |            |
| 34   | 60573047     | 1    | Battery Plug IN                              |                                                                                     |            |            |
| 35   | 60573048     | 1    | Battery Plug IN                              |                                                                                     |            |            |
| 36   | 60594032     | 2    | Water Wall Bushing D.40                      |                                                                                     |            |            |
| 37   | 60594028     | 1    | Exhaust Wall PASS D90                        |                                                                                     |            |            |
| 38   | 60594041.39  | 4    | Gasoil Wall Bushing D12 MALE                 |                                                                                     |            |            |
| 39   | 60594041.40  | 2    | ROD Coupling 3/8 BSP                         |                                                                                     |            |            |
| 40   | 60594042.42  | 1    | Switch Disconnecter Bracket                  |                                                                                     |            |            |
| 41   | 6057A050     | 1    | Centrifugal Fan PSB 230V                     |                                                                                     | 06/06/2023 |            |
| 41   | 60594042.44  | 1    | Fan HJEM 25 M4 (CASALS)                      |                                                                                     |            | 05/06/2023 |
| 42   | 60594042.64  | 2    | Air TUBING D100                              |                                                                                     |            |            |
| 43   | 60900508     | 2    | Shutter 31                                   |                                                                                     |            |            |
| 44   | 60900514     | 2    | Shutter 44                                   |                                                                                     |            |            |
| 45   | 61674001     | 4    | Engine Mount Type F 40 SHA M16 H 41          |                                                                                     |            |            |
| 45   | 61674004     | 4    | Engine Mount Type F BRB 110 B50 SHA M16 H 41 |                                                                                     | 14/04/2023 |            |
| 46   | 61674002     | 2    | Engine Mount Type F 35 SHA M12 H 41          |                                                                                     |            |            |
| 46   | 61674005     | 2    | Engine Mount Type F BRB 110 B50 SHA M12 H 41 |                                                                                     | 14/04/2023 |            |
| 47   | 60994085     | 1    | FOUR PoleS 125 DISConnector                  |                                                                                     |            |            |
| 49   | 6057A041.23B | 1    | Air Outlet Aluminium Sheet Box               |                                                                                     |            |            |
| NS   | 19414010     | 1    | Fuel Hose                                    |  |            |            |
| NS   | 19414011     | 1    | Fuel Hose                                    |  |            |            |
| NS   | 19414012     | 1    | Fuel Hose                                    |  |            |            |
| NS   | 19414030     | 1    | STRAIGHT COUPLING 3/8                        |  |            |            |
| NS   | 19414031     | 1    | BOLT 3/8                                     |  |            |            |
| NS   | 51123006     | 4    | Nut DIN 985 M6 5.6                           |  |            |            |
| NS   | 54081012     | 4    | Clamp DIN 3017 12-22/9 W4                    |  |            |            |
| NS   | 54082090     | 4    | Clamp DIN 3017 90-110/12 W4                  |  |            |            |
| NS   | 54083112     | 2    | GP Clamp 104-112 W4 STC                      |  |            |            |
| NS   | 54086097     | 2    | GP Clamp 97-104 W4 STC                       |  |            |            |

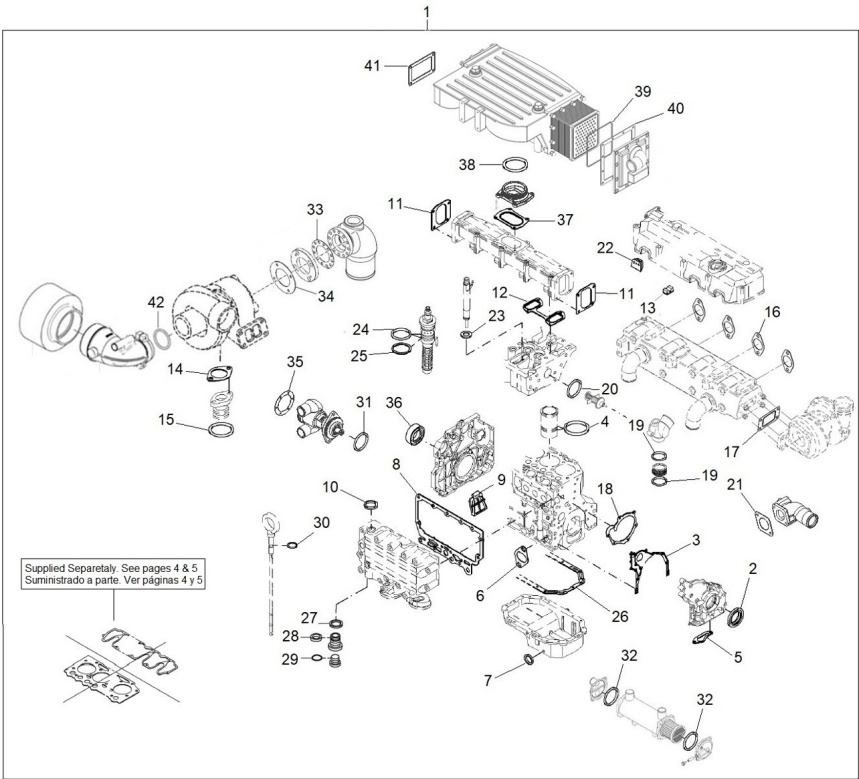


D SDZ165EGTDN 09 2 Kit Cabin

| Fig. | Ref.         | Qty. | Descr.                                   | Obs                                                                               | From | UpTo |
|------|--------------|------|------------------------------------------|-----------------------------------------------------------------------------------|------|------|
| NS   | 60594042.25G | 1    | Spacer Ring                              |  |      |      |
| NS   | 60594042.62  | 1    | Dry Exhaust Cover                        |  |      |      |
| NS   | 60900047     | 1    | White Strip VDe 104 4                    |  |      |      |
| NS   | 60972074     | 1    | 0,44 M. Back Panel To Alt. Wiring Ground |  |      |      |
| NS   | 60972090     | 2    | TER. PROTECTIVE 20 RED                   |  |      |      |
| NS   | 60972091     | 3    | TER. PROTECTIVE 20 BLACK                 |  |      |      |
| NS   | 60974002     | 1    | 2 M. BLACK Battery NEGATIVE Wiring       |  |      |      |
| NS   | 60974048     | 1    | 0,73 M. BLACK Battery NEGATIVE Wiring    |  |      |      |
| NS   | 60974049     | 1    | RED Battery POSITIVE Wiring              |  |      |      |

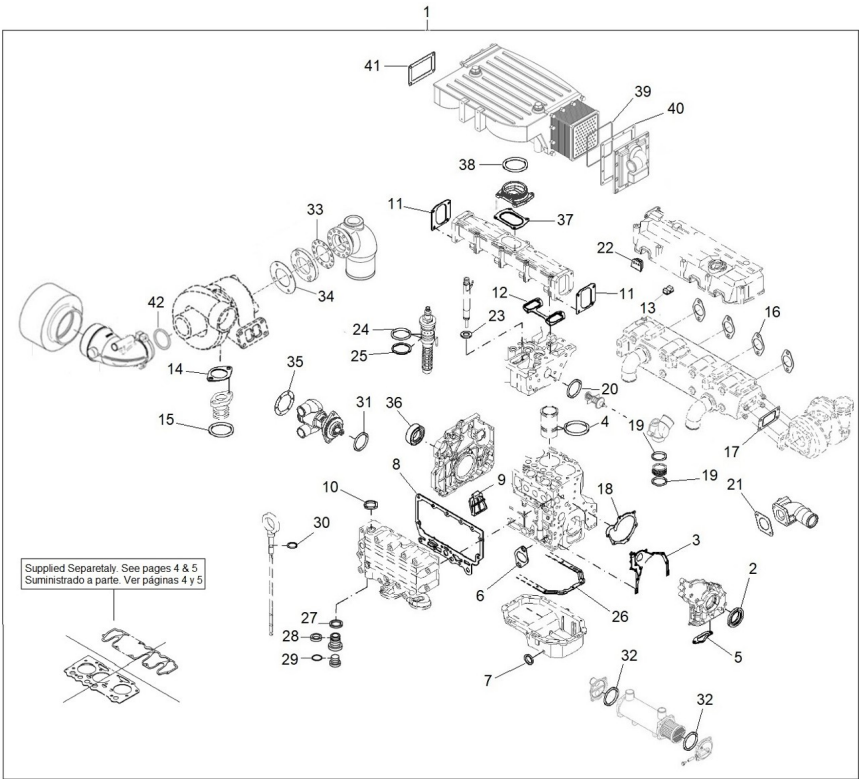


| D_GI01_6_1 |            |      |                           |     |           |
|------------|------------|------|---------------------------|-----|-----------|
| Gasket Kit |            |      |                           |     |           |
| Fig.       | Ref.       | Qty. | Descr.                    | Obs | From UpTo |
| 1          | 19420101   | 1    | Gasket Set SDZ-165 Genset |     |           |
| 2          | 19420008   | 1    | ROT.Shaft LIP Seal        |     |           |
| 3          | 19420026.2 | 1    | Gasket                    |     |           |
| 4          | 19420074   | 8    | O-Ring D. 115X3           |     |           |
| 5          | 19424056.1 | 1    | Gasket                    |     |           |
| 6          | 19421076   | 1    | Gasket                    |     |           |
| 7          | 19420032.1 | 2    | Gasket                    |     |           |
| 8          | 19424084   | 1    | Gasket                    |     |           |
| 9          | 19422116   | 1    | CORE Hole Plug            |     |           |
| 10         | 19421019   | 1    | SealING Ring              |     |           |
| 11         | 19421047   | 2    | Gasket                    |     |           |
| 12         | 19421063   | 2    | Gasket                    |     |           |
| 13         | 19610019   | 1    | O-Ring D. 62X5 VITON      |     |           |
| 14         | 19428062   | 1    | Gasket                    |     |           |
| 15         | 19428063   | 2    | SealING Ring              |     |           |
| 16         | 19421181.2 | 4    | Gasket                    |     |           |
| 17         | 19421183.3 | 1    | Gasket                    |     |           |
| 18         | 19421040   | 1    | Flat Gasket               |     |           |
| 19         | 19421044   | 2    | O-Ring                    |     |           |
| 20         | 19421041   | 1    | O-Ring                    |     |           |
| 21         | 19411010   | 1    | Gasket                    |     |           |
| 22         | 19421018   | 4    | Rubber Seal               |     |           |
| 23         | 19426012   | 1    | SealING Ring              |     |           |
| 24         | 19425002   | 3    | O-Ring D. 40X3,5          |     |           |
| 25         | 19425003   | 2    | Shim                      |     |           |
| 26         | 19420033   | 1    | Gasket                    |     |           |
| 27         | 19422118   | 2    | SealING Ring              |     |           |
| 28         | 19422115   | 2    | SealING Ring              |     |           |
| 29         | 19422113   | 2    | O-Ring                    |     |           |
| 30         | 19620029.2 | 1    | O-Ring                    |     |           |
| 31         | 19420221   | 1    | O-Ring D. 82X4 VITON      |     |           |



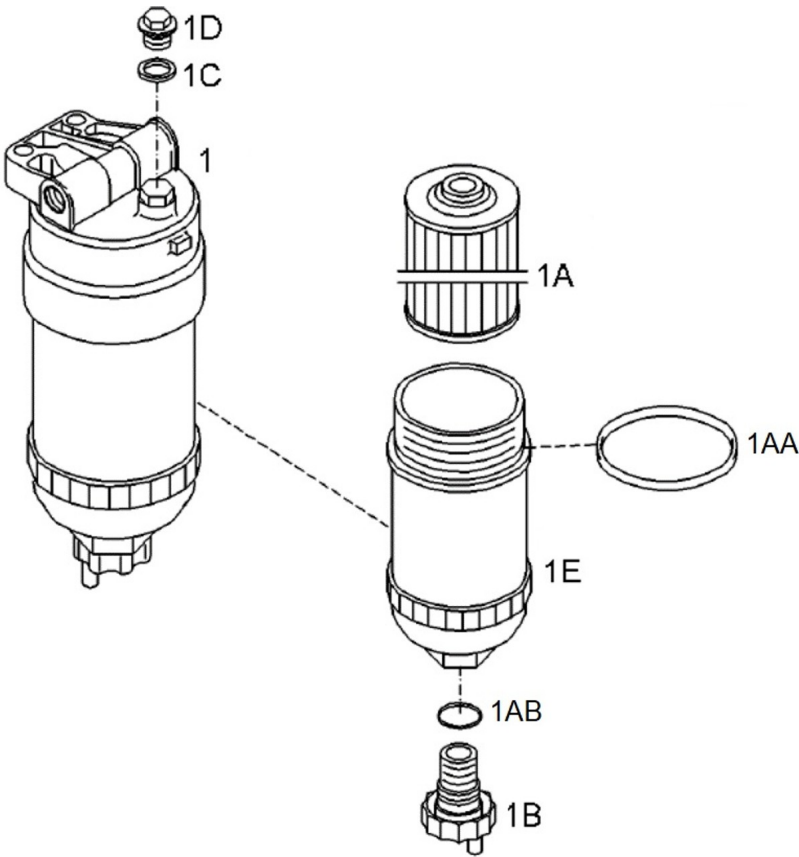
D\_GI01\_6\_1 Gasket Kit

| Fig. | Ref.        | Qty. | Descr.               | Obs | From | UpTo |
|------|-------------|------|----------------------|-----|------|------|
| 32   | 16711007    | 2    | O-Ring D. 116X4      |     |      |      |
| 33   | 16513016    | 1    | Exhaust Elbow Gasket |     |      |      |
| 34   | 19413013    | 1    | Gasket               |     |      |      |
| 35   | 34711003    | 1    | Gasket Cover         |     |      |      |
| 36   | 19420039.1  | 1    | ROT.Shaft LIP Seal   |     |      |      |
| 37   | 19421034    | 1    | Gasket               |     |      |      |
| 38   | 19421033    | 1    | O-Ring D. 70X5 VITON |     |      |      |
| 39   | 19410041    | 2    | O-Ring Intercooler   |     |      |      |
| 40   | 19410016.7B | 2    | Gasket               |     |      |      |
| 41   | LOCT5900.50 | 1    | LOCTITE 5900 50ml    |     |      |      |
| 42   | 19410023G   | 1    | O-Ring D. 78X4 VITON |     |      |      |
| 43   | 19421011    | 1    | Cap                  |     |      |      |



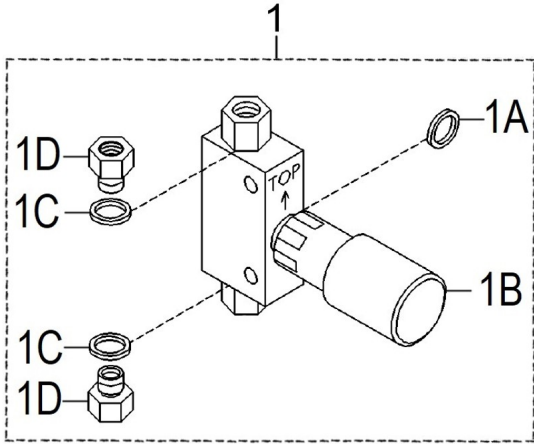
D 19424020 Fuel Filter

| Fig. | Ref.       | Qty. | Descr.                                  | Obs | From | UpTo |
|------|------------|------|-----------------------------------------|-----|------|------|
| 1    | 19424020   | 1    | SPin-ON Fuel FILT.                      |     |      |      |
| 1A   | 19424020.3 | 1    | Pre Fuel Filter Element SDZ-165/205/280 |     |      |      |
| 1AA  | 19424020.2 | 1    | O-Ring D. 95X4                          |     |      |      |
| 1AB  | 19424020.4 | 1    | O-Ring D. 12X2,5                        |     |      |      |
| 1B   | 19424020.5 | 1    | DRAIN Valve                             |     |      |      |
| 1C   | 19421016   | 1    | SealING Ring                            |     |      |      |
| 1D   | 19420071   | 1    | Screw Plug                              |     |      |      |
| 1E   | 19424020.8 | 1    | Filter Housing                          |     |      |      |



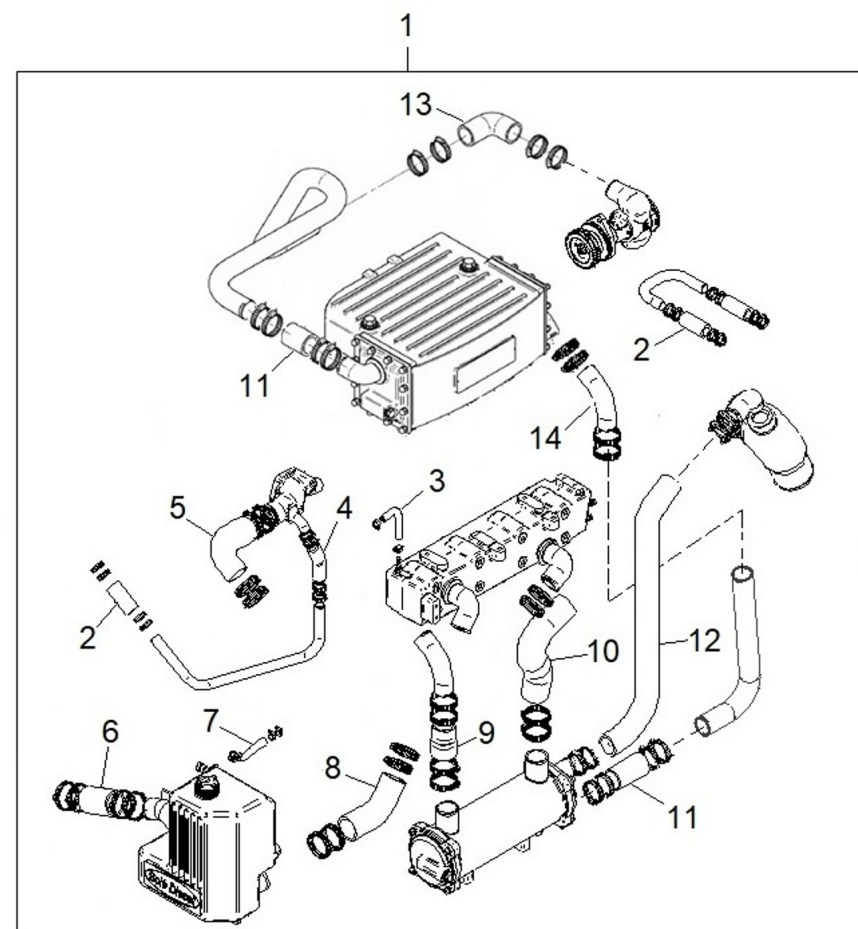
D 19424050 Hand Pump

| Fig. | Ref.       | Qty. | Descr.                     | Obs | From       | UpTo       |
|------|------------|------|----------------------------|-----|------------|------------|
| 1    | 19424075   | 1    | Kit Fuel Pump              |     |            |            |
| 1A   | 19424050.1 | 1    | SealING Ring               |     |            | 14/11/2019 |
| 1B   | 19424050.2 | 1    | Hand Pump                  |     |            | 14/11/2019 |
| 1C   | 19424078   | 2    | Gasket                     |     |            | 14/11/2019 |
| 1C   | 56000077   | 2    | Washer 18-23-1,5           |     | 14/11/2019 |            |
| 1D   | 19424050.3 | 2    | Adapter NIPPLE             |     |            | 14/11/2019 |
| 1D   | 19424079   | 2    | Manual Pump gasoil Fitting |     | 14/11/2019 |            |



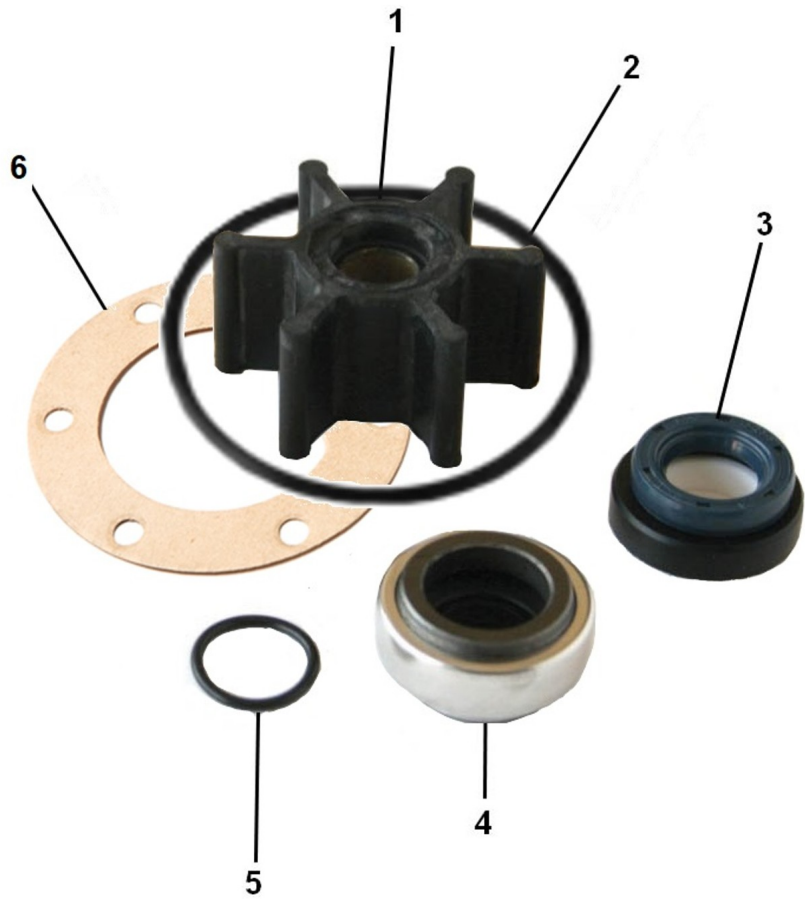
**D 1941105G**      **Pipe Rubber Set, Water Line**

| Fig. | Ref.      | Qty. | Descr.                             | Obs | From | UpTo |
|------|-----------|------|------------------------------------|-----|------|------|
| 1    | 19411105G | 1    | Pipe Rubber Set SDZ-165 Genset DNV |     |      |      |
| 2    | 19411063  | 3    | Rubber Hose D.22-32-70             |     |      |      |
| 3    | 19411041  | 1    | Purge Hose                         |     |      |      |
| 4    | 19411056  | 1    | RUBBER ELBOW D.20                  |     |      |      |
| 5    | 19411057  | 1    | Rubber Elbow D.42-50               |     |      |      |
| 6    | 19411064  | 1    | Rubber Hose D.48-55-90             |     |      |      |
| 7    | 19411042  | 1    | Hose                               |     |      |      |
| 8    | 19411055  | 1    | RUBBER ELBOW D.45-48               |     |      |      |
| 9    | 19411059  | 1    | Rubber Hose D.42-50                |     |      |      |
| 10   | 19411058  | 1    | Rubber Hose D.45-50                |     |      |      |
| 11   | 19411061  | 2    | Rubber Hose D.42-52-90             |     |      |      |
| 12   | 19411075  | 1    | HOSE DNV D.40-51 0.9 M             |     |      |      |
| 13   | 19411015  | 1    | Elbow                              |     |      |      |
| 14   | 19411066  | 1    | RUBBER ELBOW D.42                  |     |      |      |



D SDZ109EGTDN 10 3 Repair Kit Water Pump

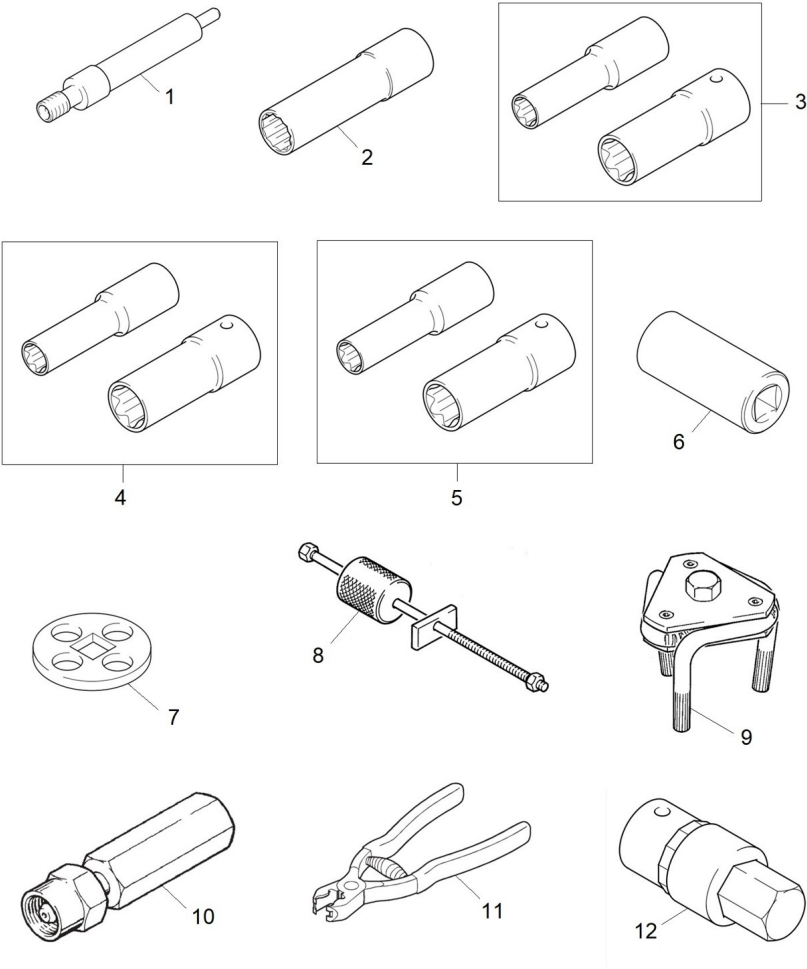
| Fig. | Ref.     | Qty. | Descr.               | Obs | From | UpTo |
|------|----------|------|----------------------|-----|------|------|
| 1    | 39411008 | 1    | 1" L.68 Impeller     |     |      |      |
| 2    | 19420221 | 1    | O-Ring D. 82X4 VITON |     |      |      |
| 3    | 36511020 | 1    | Seal 16-30-7         |     |      |      |
| 4    | 36511019 | 1    | Seal                 |     |      |      |
| 5    | 33311013 | 1    | O-Ring D. 15X2       |     |      |      |
| 6    | 34711003 | 1    | Gasket Cover         |     |      |      |



D UTILSDZPRO 1

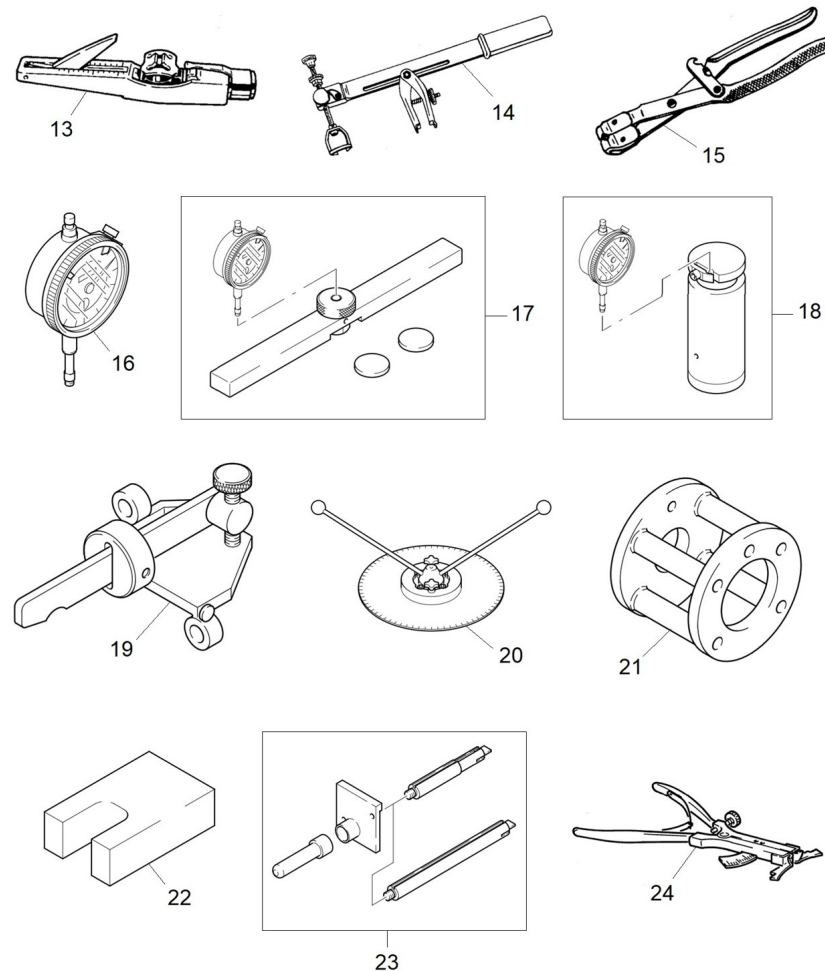
Special Tools 1/4

| Fig. | Ref.     | Qty. | Descr.                                  | Obs | From | UpTo |
|------|----------|------|-----------------------------------------|-----|------|------|
| 1    | UBP00006 | 1    | Connector For Compression Tester        |     |      |      |
| 2    | UMSDZ001 | 1    | Socket A/Flats 15 Long For Injector     |     |      |      |
| 3    | UMSDZ002 | 1    | Torx Sockets Long Version               |     |      |      |
| 4    | UMSDZ003 | 1    | Torx Sockets Long Version               |     |      |      |
| 5    | UMSDZ004 | 1    | Torx Sockets Long Version               |     |      |      |
| 6    | UMSDZ005 | 1    | Serrated Wrench Turning Injection Pump  |     |      |      |
| 7    | UMSDZ008 | 1    | Assembly Tool For Front Crankshaft Seal |     |      |      |
| 8    | UMSDZ010 | 1    | Extractor                               |     |      |      |
| 9    | UMSDZ011 | 1    | Special Device Off Filter Cartridge     |     |      |      |
| 10   | UMSDZ012 | 1    | Extractor Injector                      |     |      |      |
| 11   | UMSDZ016 | 1    | Cobra Clamp Pliers                      |     |      |      |
| 12   | UMSDZ017 | 1    | Screw Driver Socket                     |     |      |      |



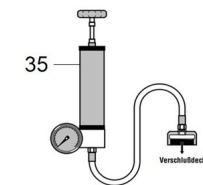
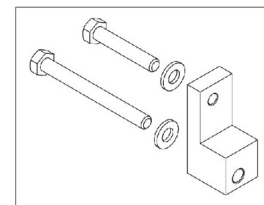
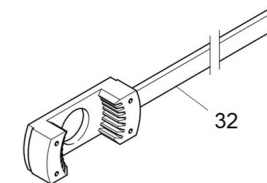
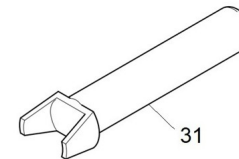
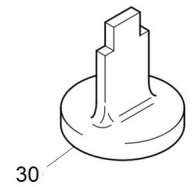
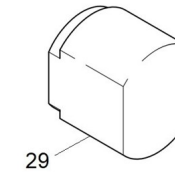
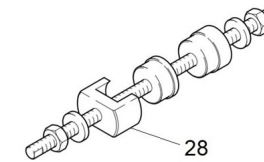
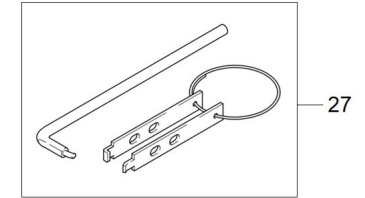
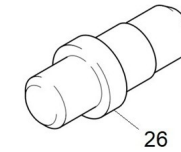
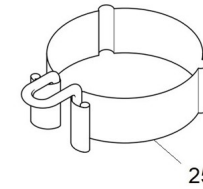
**D UTILSDZPRO 2**
**Special Tools 2/4**

| Fig. | Ref.     | Qty. | Descr.                                 | Obs | From | UpTo |
|------|----------|------|----------------------------------------|-----|------|------|
| 13   | UMSDZ018 | 1    | V-Belt Tension Gauge                   |     |      |      |
| 14   | UMSDZ019 | 1    | Valve Spring Assembly Lever            |     |      |      |
| 15   | UMSDZ020 | 1    | Spring Clamp Pliers                    |     |      |      |
| 16   | UMSDZ024 | 1    | Dial Gauge M2T With Locking Ring       |     |      |      |
| 17   | UMSDZ025 | 1    | Measuring Bar With Spacers For Gauging |     |      |      |
| 18   | UMSDZ026 | 1    | Measuring Device Base Circle Injection |     |      |      |
| 19   | UMSDZ027 | 1    | Press-on Device For Control Rod        |     |      |      |
| 20   | UMSDZ028 | 1    | GRADUATED DISC 360° For TDC and COD    |     |      |      |
| 21   | UMSDZ029 | 1    | Adapter For Graduated Disc             |     |      |      |
| 22   | UMSDZ030 | 1    | Dolly For Injector a/flats 11          |     |      |      |
| 23   | UMSDZ031 | 1    | Assembly Tool For Control Rod Sleeves  |     |      |      |
| 24   | UMSDZ034 | 1    | Piston Ring Pliers                     |     |      |      |



**D UTILSDZPRO 3****Special Tools 3/4**

| Fig. | Ref.     | Qty. | Descr.                                             | Obs | From | UpTo |
|------|----------|------|----------------------------------------------------|-----|------|------|
| 25   | UMSDZ035 | 1    | Piston Ring Compressor                             |     |      |      |
| 26   | UMSDZ036 | 1    | Assembly Tool For Small End Bush                   |     |      |      |
| 27   | UMSDZ037 | 1    | Puller For Front And Rear Crakshaft Seal           |     |      |      |
| 28   | UMSDZ040 | 1    | Assembly Tool For Camshaft Sleeves                 |     |      |      |
| 29   | UMSDZ041 | 1    | Assembly Tool For Cylinder Liner                   |     |      |      |
| 30   | UMSDZ042 | 1    | Assembly Tool For Pressure Control Valve           |     |      |      |
| 31   | UMSDZ043 | 1    | Assembly Tool For Thermostat                       |     |      |      |
| 32   | UMSDZ044 | 1    | Dolly For Air Compressor Gear                      |     |      |      |
| 33   | UMSDZ069 | 1    | Turning Device                                     |     |      |      |
| 34   | UMSDZ070 | 1    | Measuring Device For Control Rod                   |     |      |      |
| 35   | UMSDZ058 | 1    | Pressure Pump for Tightness Testing Coolant System |     |      |      |
| 36   | UMSDZ059 | 1    | Compression Tester                                 |     |      |      |



## D UTILSDZPRO 4

## Special Tools 4/4

| Fig. | Ref.         | Qty. | Descr.                                             | Obs                                                                               | From | UpTo |
|------|--------------|------|----------------------------------------------------|-----------------------------------------------------------------------------------|------|------|
| 37   | UMSDZ060     | 1    | Injector Tester                                    |                                                                                   |      |      |
| 38   | UMSDZ061     | 1    | Torx Torx-Werkzeugsatz Tool Kit                    |                                                                                   |      |      |
| 39   | UMSDZ062     | 1    | Spring Clamp Pliers                                |                                                                                   |      |      |
| 40   | UMSDZ063     | 1    | Auxiliary Tool Glow Plug Cable Coupler             |                                                                                   |      |      |
| 41   | UMSDZ064     | 1    | Adjusting Bolts for Mass Compensating Shafts "MAG" |                                                                                   |      |      |
| 42   | UMSDZ066     | 1    | Assembly Tool For Rear Crankshaft Seal             |                                                                                   |      |      |
| 43   | UMSDZ067     | 1    | Turning Gear                                       |                                                                                   |      |      |
| NS   | 61800001     | 1    | Injector Tester                                    |  |      |      |
| NS   | UBP00002     | 1    | Test Bench Engine Test Bench SDZ-280 Pressure      |  |      |      |
| NS   | UMSDZ021     | 1    | Spring Clamp Pliers                                |  |      |      |
| NS   | UV19410016B  | 1    | Turbo pressure test tool SDZ-280                   |  |      |      |
| NS   | UV19424040.1 | 1    | Fuel pressure test tool SDZ-280                    |  |      |      |

