



# **SINOTRUK**

## **D12 ENGINE, EURO II**

### **SPARE PARTS**

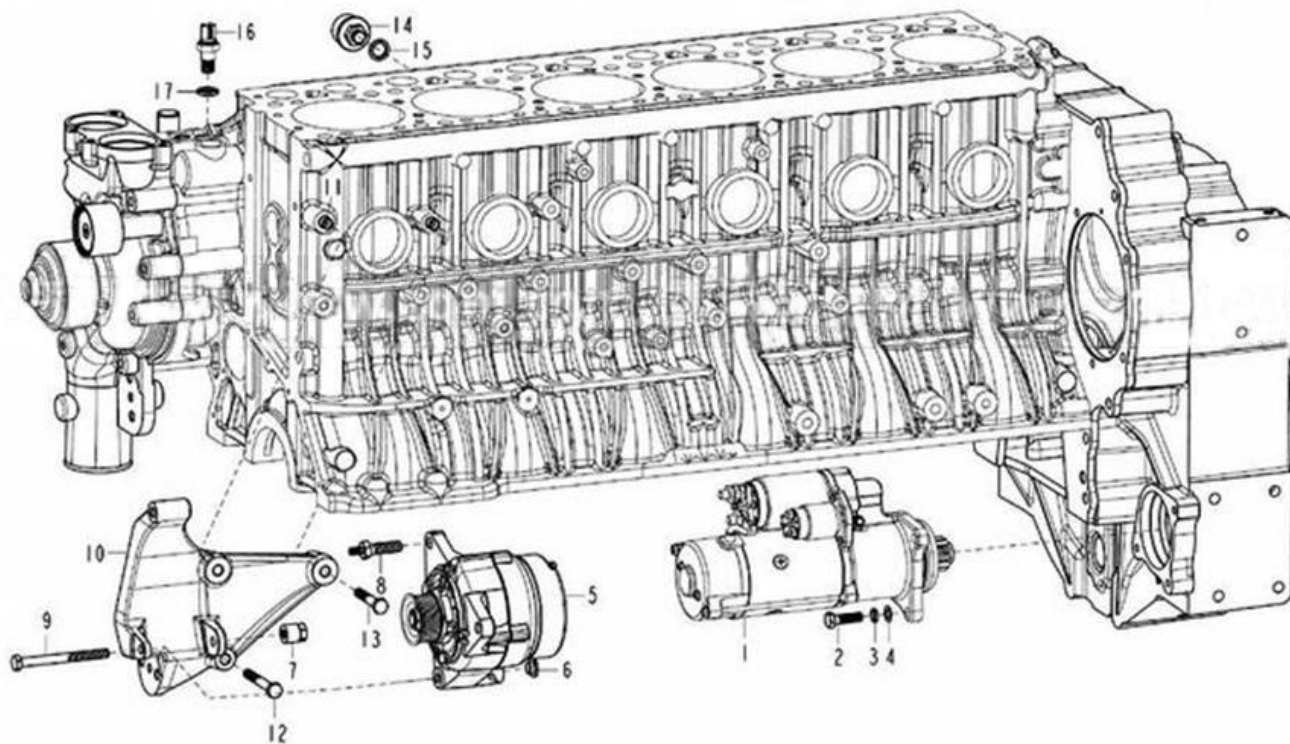
### **CATALOG**

# INDEX

|                             |         |
|-----------------------------|---------|
| ELECTRIC SYSTEM             | Page 3  |
| FUEL SUPPLY                 | Page 4  |
| PISTON & CONNECTING ROD     | Page 6  |
| OIL PUMP & FILTER           | Page 7  |
| INTAKE & EXHAUST SYSTEM     | Page 8  |
| AIR VALVE MECHANISM         | Page 11 |
| CYLINDER COVER              | Page 13 |
| CRANKSHAFT & FLY WHEEL      | Page 15 |
| WATER PUMP & COOLING SYSTEM | Page 16 |
| AIR COMPRESSOR              | Page 18 |
| OIL PAN                     | Page 19 |

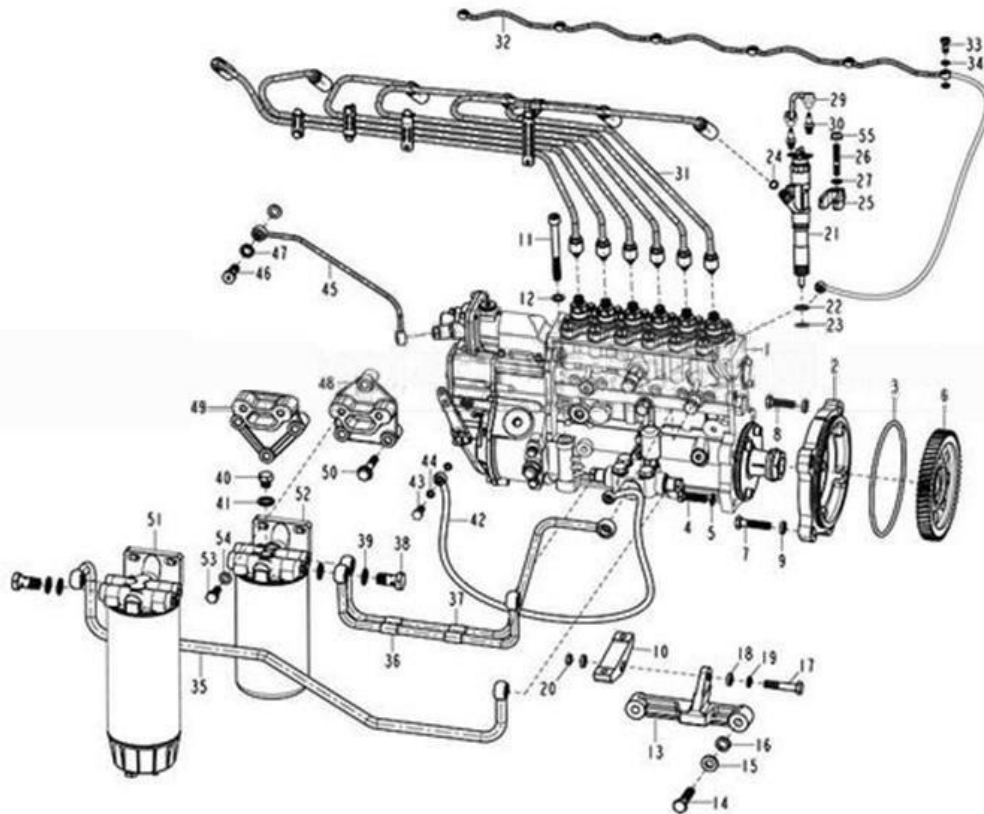
| ELECTRIC SYSTEM, D12 EURO-II ENGINE |                     |              |
|-------------------------------------|---------------------|--------------|
| Serial                              | Name                | Number       |
| 1                                   | starter             | vg1246090003 |
| 2                                   | hexagonal head bolt | q150b1035    |
| 3                                   | spring gasket       | q40310       |
| 4                                   | flat gasket         | q40110       |
| 5                                   | generator           | vg1246090005 |
| 6                                   | shaft sleeve        | vg1246090006 |
| 7                                   | spacer bush         | vg1246090007 |
| 8                                   | double head bolt    | vg1246090027 |
| 9                                   | hexagonal head bolt | q150b10110   |
| 10                                  | generator support   | vg1246090008 |
| 11                                  | positioning sleeve  | vg1246090009 |
| 12                                  | hexagonal head bolt | q150b1075    |
| 13                                  | hexagonal head bolt | q150b1060    |
| 14                                  | pressure sensor     | vg1500090060 |

|                                      |                          |              |
|--------------------------------------|--------------------------|--------------|
| 15                                   | compound sealing ring    | vg9003080007 |
| 16                                   | water temperature sensor | vg1500090061 |
| 17                                   | compound sealing ring    | vg9003080005 |
| CHINA HEAVY TRUCK PARTS STORE CO LTD |                          |              |



| FUEL SUPPLY, D12 EURO-II ENGINE |                                   |              |
|---------------------------------|-----------------------------------|--------------|
| Serial                          | Name                              | Number       |
|                                 | injection pump                    | vg1246080097 |
| 1                               | injection pump                    | vg1246080038 |
| 2                               | flange                            | vg1246080026 |
| 3                               | O ring                            | vg1246080027 |
| 4                               | hexagonal head bolt               | q150b1035tf2 |
| 5                               | flat gasket                       | q40110       |
| 6                               | driving gear for oil pump         | vg1246080059 |
| 7                               | hexagonal head bolt               | q150b1045tf2 |
| 8                               | hexagonal head bolt               | q150b1035tf2 |
| 9                               | thick gasket (4mm)                | vg1246080042 |
| 10                              | vice support for oil pump         | vg1246080041 |
| 11                              | inner hexagonal column head screw | q218b10100   |
| 12                              | spring gasket                     | q41810       |
| 13                              | vice support for oil pump         | vg1246080043 |

|    |                     |              |
|----|---------------------|--------------|
| 14 | hexagonal head bolt | q150b1250    |
| 15 | spring gasket       | q40312       |
| 16 | thick gasket        | vg1246080044 |
| 17 | hexagonal head bolt | q150b1050tf2 |



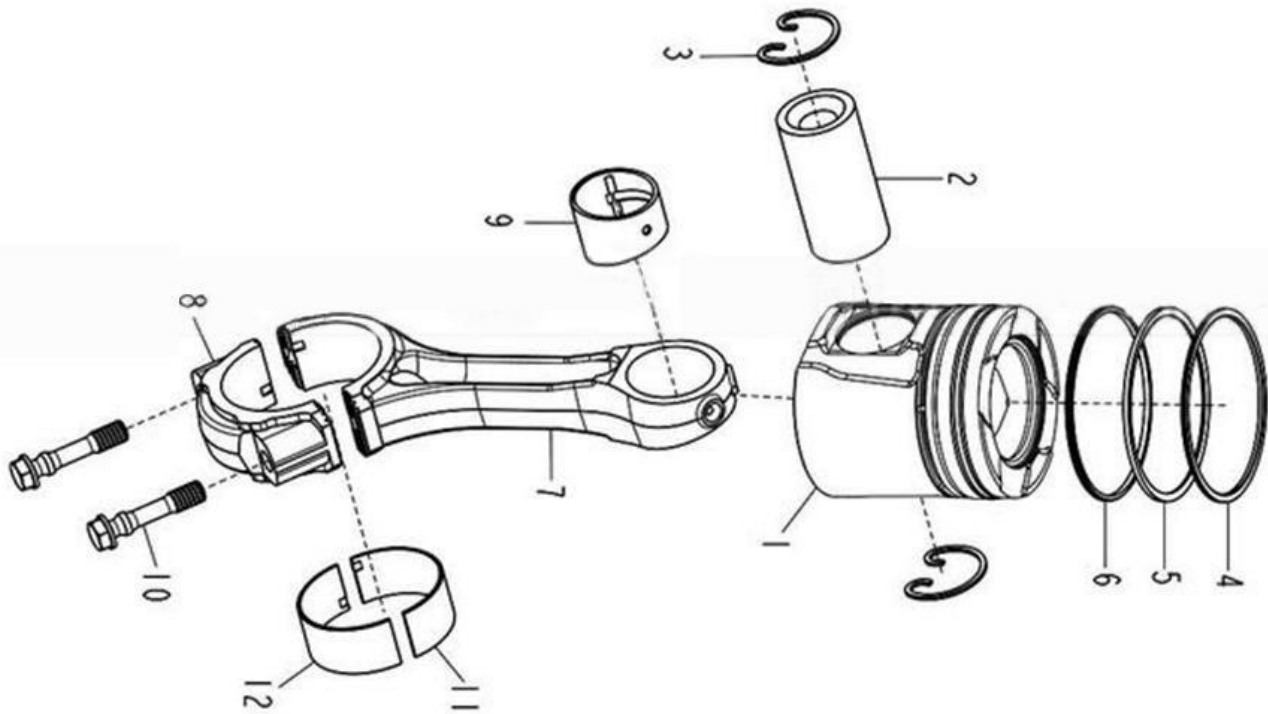
|    |                                   |               |
|----|-----------------------------------|---------------|
| 18 | flat gasket                       | q40110        |
| 19 | spring gasket                     | q40310        |
| 20 | hexagonal head bolt               | q340b10       |
| 21 | injector                          | vg1246080036  |
| 22 | injector sealing ring             | vg1540080018a |
| 23 | injector gasket                   | vg1540080019b |
| 24 | sealing ring                      | vg1540080095  |
| 25 | pressing plate for injector       | vg1246080039  |
| 26 | double head bolt                  | vg1099040030  |
| 27 | ball surface gasket               | vg1540080024  |
| 29 | oil return tube for injector      | vg1099089065  |
| 30 | connector                         | vg1099089064  |
| 31 | high pressure fuel pipe           | vg1246080002  |
| 32 | oil return pipe assy for injector | vg1246080093  |
| 33 | hollow bolt                       | vg1246080077  |
| 34 | sealing gasket                    | vg1540080200  |
| 35 | first filter for fuel             | vg1246080092  |
| 36 | fuel pipe                         | vg1246080082  |
| 37 | fuel pipe                         | vg1246080080  |
| 38 | hollow bolt                       | vg1246080014  |
| 39 | compound sealing ring             | vg9003080006  |
| 40 | hexagonal head bolt               | q617b14       |
| 41 | compound sealing ring             | vg9003080005  |
| 42 | oil inlet pipe assy for pump      | vg1246080098  |
| 43 | hollow bolt                       | 190003962607  |
| 44 | compound sealing ring             | vg9003080003  |
| 45 | air pipe                          | vg1246080099  |
| 46 | hollow bolt                       | 190003962612  |
| 47 | compound sealing ring             | vg9003080004  |
| 48 | first filter fixed support        | vg1246080020  |

|    |                             |              |
|----|-----------------------------|--------------|
| 49 | second filter fixed support | vg1246080023 |
| 50 | hexagonal flange bolt       | q1841050     |
| 51 | separator set               | vg1246080084 |
| 52 | filter set                  | vg1246080086 |
| 53 | hexagonal head bolt         | q150b1025    |
| 54 | spring gasket               | q41810       |
| 55 | hexagonal flange bolt       | vg1099040010 |

| PISTON & CONNECTING ROD, D12 EURO-II ENGINE |                           |              |
|---------------------------------------------|---------------------------|--------------|
| Serial                                      | Name                      | Number       |
| 1                                           | piston                    | vg1246030001 |
| 2                                           | piston pin                | vg1246030002 |
| 3                                           | piston pin retaining ring | vg1246030003 |
| 4                                           | keystone ring             | vg1246030004 |
| 5                                           | cone ring                 | vg1246030005 |
| 6                                           | oil ring                  | vg1246030006 |
| 7                                           | connecting rod            | az1246030008 |
| 8                                           | connecting rod cover      | az1246030009 |
| 9                                           | connecting rod bush       | vg1246030010 |
| 10                                          | connecting rod bolt       | vg1246030013 |
| 11                                          | upper bush                | vg1246030011 |

|    |            |              |
|----|------------|--------------|
| 12 | lower bush | vg1246030012 |
|----|------------|--------------|

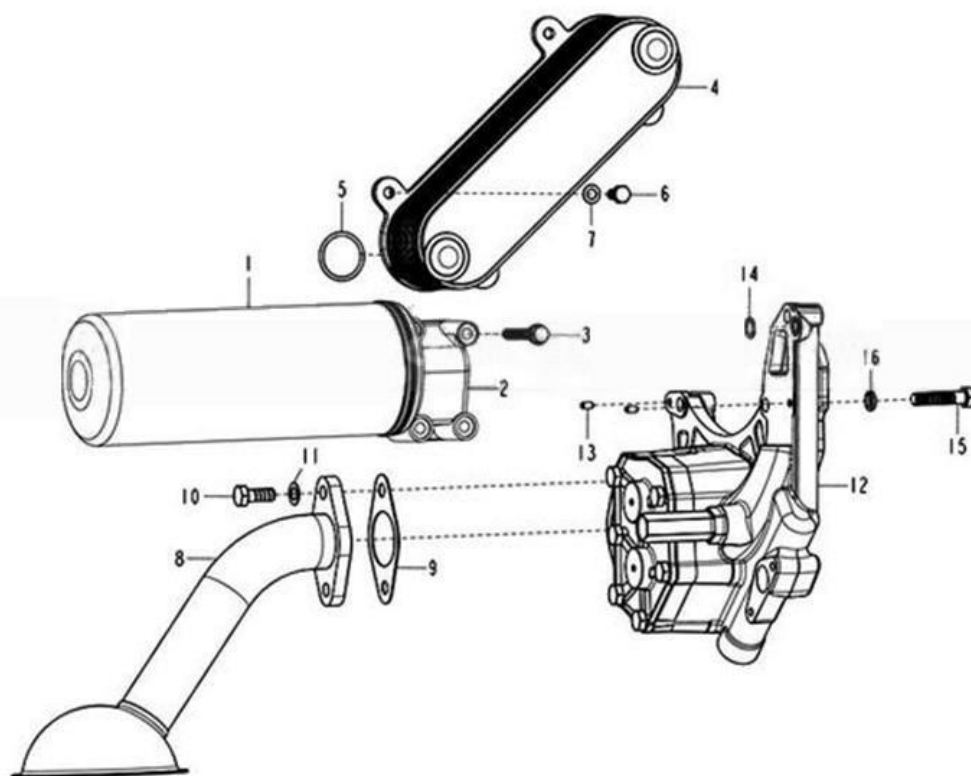
活塞和连杆



| OIL PUMP & FILTER, D12 EURO-II ENGINE |                     |              |
|---------------------------------------|---------------------|--------------|
| Serial                                | Name                | Number       |
| -                                     | oil filter          | vg1246070001 |
| 1                                     | oil filter          | vg1246070002 |
| 2                                     | seat for filters    | vg1246070003 |
| 3                                     | hexagon flange bolt | q1840860     |
| 4                                     | oil cooler          | vg1246070012 |
| 5                                     | sealing ring        | vg1400010032 |
| 6                                     | hexagonal head bolt | q150b0816    |
| 7                                     | spring gasket       | q41808       |
| 8                                     | collector           | vg1246070014 |
| 9                                     | gasket              | vg140778     |
| 10                                    | hexagonal head bolt | q150b1025    |
| 11                                    | spring gasket       | q41810       |
| 12                                    | oil pump            | vg1246070022 |

|    |                     |              |
|----|---------------------|--------------|
| 13 | column pin          | q5210510     |
| 14 | O ring              | vg1246070036 |
| 15 | hexagonal head bolt | q150b1045    |
| 16 | spring gasket       | q40310       |

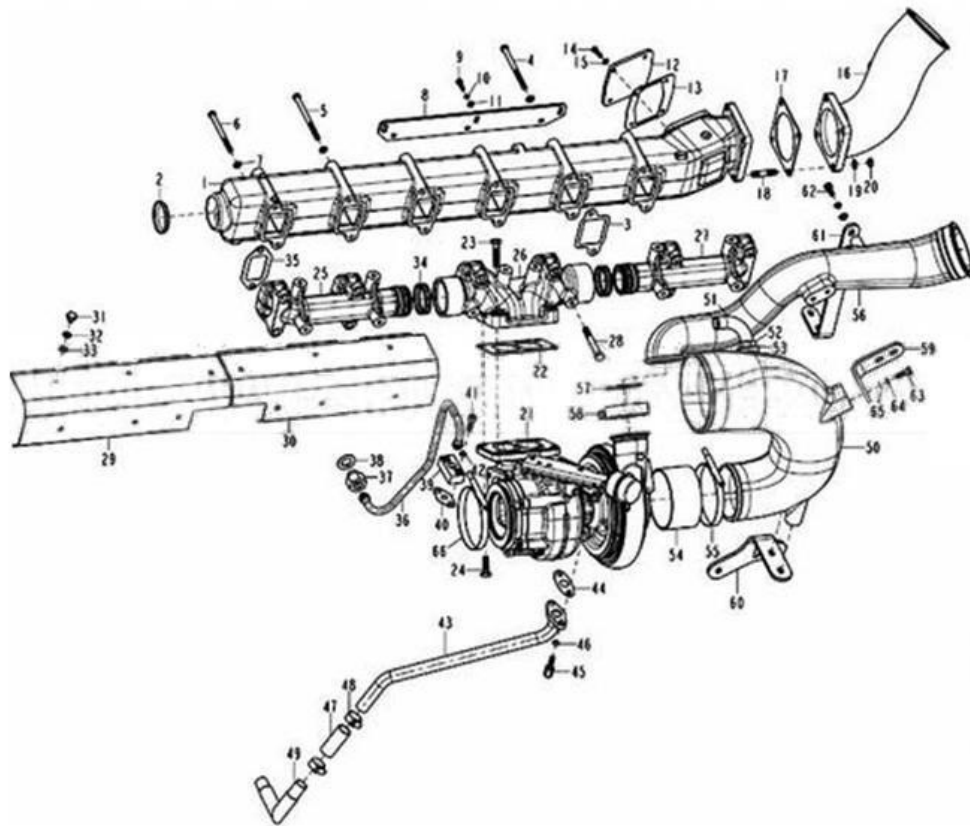
机油泵和滤清器



| INTAKE & EXHAUST SYSTEM, D12 EURO-II ENGINE |                        |               |
|---------------------------------------------|------------------------|---------------|
| Serial                                      | Name                   | Number        |
| 1                                           | intake tube            | vg1246110061  |
| 2                                           | plug                   | 190003989286  |
| 3                                           | gasket for intake tube | vg1246110006  |
| 4                                           | hexagonal head bolt    | q150b08115    |
| 5                                           | hexagonal head bolt    | q150b08110    |
| 6                                           | hexagonal head bolt    | q150b08100    |
| 7                                           | spring gasket          | q41808        |
| 8                                           | supporting plate       | vg1246110203  |
| 9                                           | hexagonal head bolt    | q150b0620     |
| 10                                          | spring gasket          | q40306        |
| 11                                          | flat gasket            | q40106        |
| 12                                          | cap for intake tube    | vg1540110011a |

|    |                        |               |
|----|------------------------|---------------|
| 13 | cap gasket             | vg1540110018a |
| 14 | hexagonal head bolt    | q150b0620     |
| 15 | gasket                 | q41806        |
| 16 | intake connecting tube | vg1246110100  |

进排气系统



|    |                                    |              |
|----|------------------------------------|--------------|
| 17 | connecting tube gasket             | vg1560110180 |
| 18 | double head bolt                   | q1201030f3   |
| 19 | spring gasket                      | q41810       |
| 20 | hexagonal nut                      | q340b10      |
| 21 | turbo charger                      | vg1246110021 |
| 22 | turbo charger gasket               | vg1540110017 |
| 23 | bolt                               | vg1500110002 |
| 24 | bolt for turbo                     | vg1246110058 |
| 25 | front exhaust divided pipe         | vg1246110108 |
| 26 | middle exhaust divided pipe        | vg1246110109 |
| 27 | rear exhaust divided pipe          | vg1246110110 |
| 28 | locking bolt for exhaust pipe      | vg1246110052 |
| 29 | heat shield for front exhaust pipe | vg1246110112 |
| 30 | heat shield for rear exhaust pipe  | vg1246110111 |
| 31 | heat resistant bolt                | vg1500110963 |
| 32 | big gasket                         | q40208       |
| 33 | spring gasket                      | q41808       |
| 34 | sealing ring for exhaust pipe      | vg1246110027 |
| 35 | exhaust pipe gasket                | vg1246110028 |
| 36 | oil inlet pipe for turbo           | vg1246110053 |
| 37 | seat for oil inlet pipe            | vg1246110046 |
| 38 | compound sealing gasket            | vg9003080007 |
| 39 | oil inlet flange                   | vg1560110152 |
| 40 | gasket for oil inlet pipe          | vg609e110050 |
| 41 | inner hexagon column head screw    | q218b0825    |
| 42 | self locking gasket                | vg188250083  |
| 43 | oil return pipe for turbo          | vg1246110055 |
| 44 | flange gasket                      | vg2600110048 |
| 45 | bolt for oil return pipe           | vg1460070014 |
| 46 | self locking gasket                | vg188250083  |

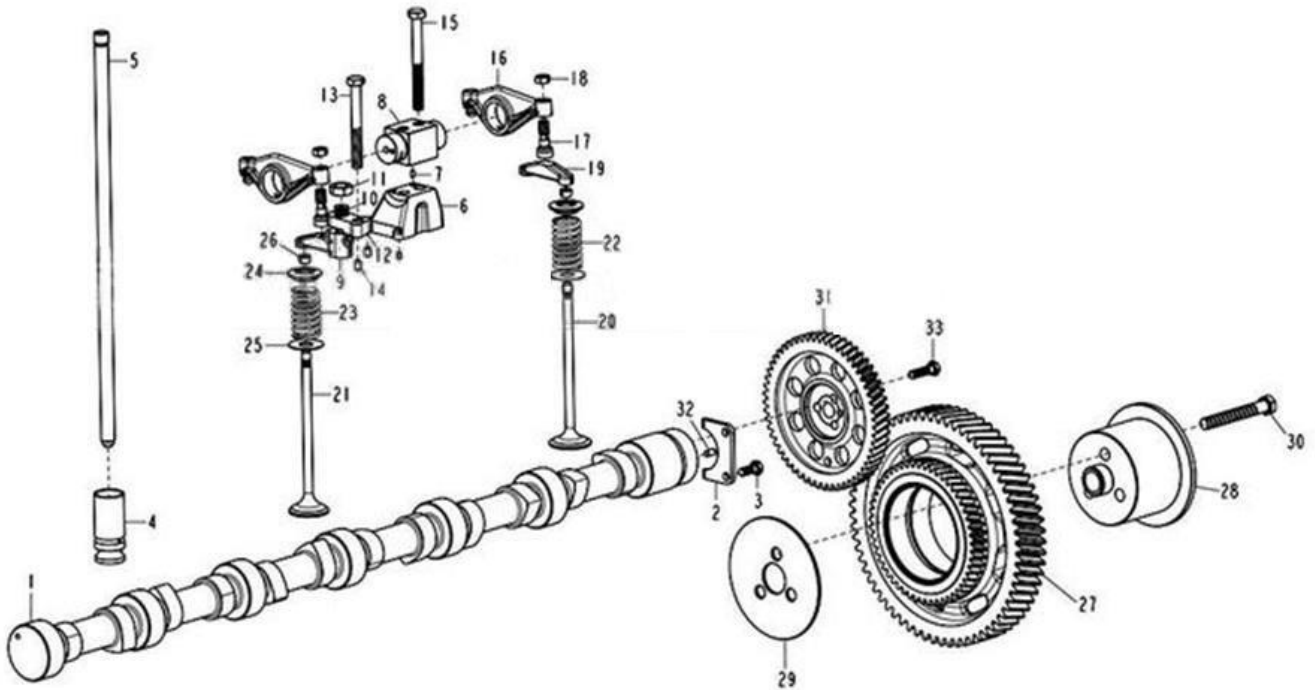
|    |                                          |              |
|----|------------------------------------------|--------------|
| 47 | soft tube for oil return                 | vg2600070071 |
| 48 | soft tube clip                           | 190003989301 |
| 49 | elbow pipe                               | vg1246110022 |
| 50 | intake pipe for turbo                    | vg1246110095 |
| 51 | intake pipe connector for air compressor | vg1246130016 |
| 52 | hexagonal head bolt                      | 190003559778 |
| 53 | gasket                                   | vg2600130037 |
| 54 | rubber soft tube                         | vg1246110102 |

|    |                       |              |
|----|-----------------------|--------------|
| 55 | soft tube clip        | 190003989315 |
| 56 | connecting elbow pipe | vg1246110099 |
| 57 | sealing ring          | vg190320035  |
| 58 | clip                  | vg1560110226 |
| 59 | fixed support one     | vg1246110097 |
| 60 | fixed support tow     | vg1246110098 |
| 61 | fixed support four    | vg1246110104 |
| 62 | hexagonal head bolt   | q150b0820    |
| 63 | hexagonal head bolt   | q150b0825    |
| 64 | spring gasket         | q40308       |
| 65 | flange gasket         | q40108       |
| 66 | clip                  | vg1500119216 |

| AIR VALVE MECHANISM, D12 EURO-II ENGINE |                                    |               |
|-----------------------------------------|------------------------------------|---------------|
| Serial                                  | Name                               | Number        |
| 1                                       | camshaft                           | vg1246050038  |
| 2                                       | camshaft thrust washer             | vg1246050039  |
| 3                                       | hexagonal head bolt                | q150b0820tf2  |
| 4                                       | air valve tappet                   | vg1246050029  |
| 5                                       | air valve rod                      | vg1246050020  |
| 6                                       | arm-rocking seat                   | vg1246050005  |
| 7                                       | column pin                         | q5210406      |
| 8                                       | arm-rocking shaft                  | vg1246050006  |
| 9                                       | evb exhaust valve bridge component | vg1246050050  |
| 10                                      | evb adjusting screw                | vg1246050055  |
| 11                                      | evb adjusting nut                  | vg1246050056  |
| 12                                      | evb pressure plate                 | vg1246050057a |

|    |                       |               |
|----|-----------------------|---------------|
| 13 | hexagonal head bolt   | q150b1095tf2  |
| 14 | column pin            | q5210614      |
| 15 | hexagonal head bolt   | q150b10100tf2 |
| 16 | air valve arm-rocking | vg1246050008  |

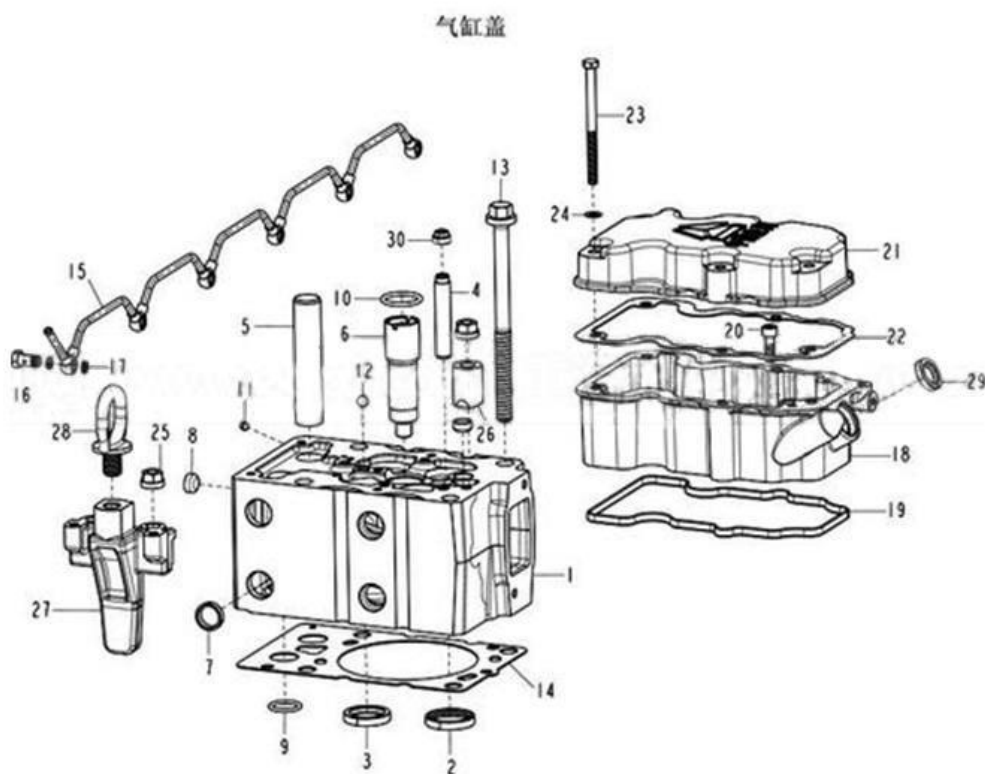
配气机构



|    |                                  |              |
|----|----------------------------------|--------------|
| 17 | air valve bridge adjusting screw | vg1246050011 |
| 18 | air valve gap adjusting nut      | vg2130050065 |
| 19 | air valve bridge                 | vg1246050013 |
| 20 | air inlet valve                  | vg1246050021 |
| 21 | exhaust valve                    | vg1246050022 |
| 22 | air inlet valve spring           | vg1246050023 |
| 23 | exhaust valve spring             | vg1246050024 |
| 24 | upper seat of air valve spring   | vg1246050025 |
| 25 | lower seat of air valve spring   | vg1246050026 |
| 26 | air valve locking clamp          | vg1246050028 |
| 27 | middle gear                      | vg1246050060 |
| 28 | middle gear shaft                | vg1246050034 |
| 29 | thrust washer                    | vg1246050035 |
| 30 | hexagonal head bolt              | q150b1290tf2 |
| 31 | camshaft gear                    | vg1246050036 |
| 32 | column pin                       | q5210612     |
| 33 | hexagonal head bolt              | q150b0830tf2 |

| CYLINDER COVER, D12 EURO-II ENGINE |                            |              |
|------------------------------------|----------------------------|--------------|
| Serial                             | Name                       | Number       |
|                                    | cylinder cover             | az1246040010 |
| 1                                  | cylinder cover             | az1246040011 |
| 2                                  | air inlet seat             | vg1246040012 |
| 3                                  | exhaust valve seat         | vg1246040013 |
| 4                                  | air valve guiding pipe     | vg1246040014 |
| 5                                  | air valve pushing rod bush | vg1246040015 |
| 6                                  | injector bush              | vg1246040016 |
| 7                                  | plug                       | 190003989725 |
| 8                                  | plug                       | vg1246040031 |
| 9                                  | sealing ring               | vg1246040018 |
| 10                                 | sealing ring               | vg1246040019 |
| 11                                 | oil hole plug              | vg1540040011 |

|    |                          |              |
|----|--------------------------|--------------|
| 12 | steel ball               | vg1540040013 |
| 13 | cylinder cover main bolt | vg1246040020 |
| 14 | cylinder cover bush      | vg1246040021 |
| 15 | cylinder deflate pipe    | vg1246040001 |

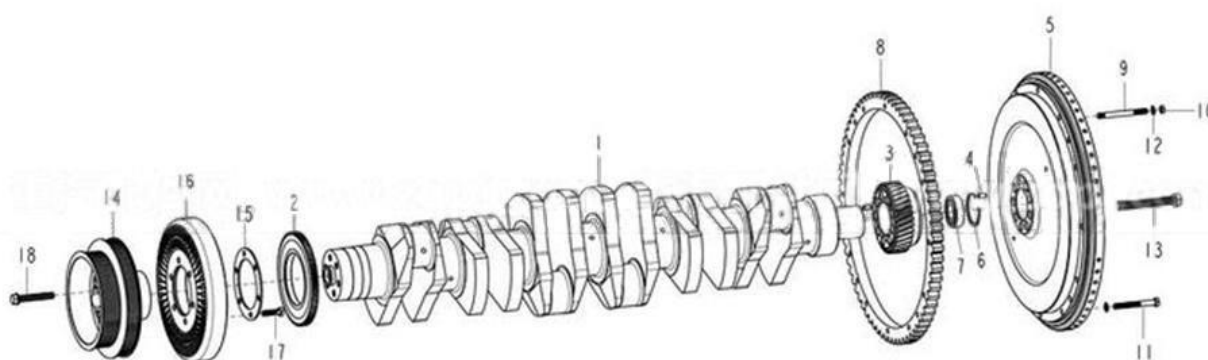


|    |                                 |               |
|----|---------------------------------|---------------|
| 16 | hollow bolt                     | vg1246040022  |
| 17 | sealing gasket                  | q72310        |
| 18 | rocking arm lower cover         | vg1246040030  |
| 19 | cylinder cover sealing ring     | vg1246040023  |
| 20 | inner hexagon column head screw | q218b0825     |
| 21 | rocking arm upper cover         | vg1246040003  |
| 22 | cylinder cover gasket           | vg1246040005  |
| 23 | hexagonal head bolt             | q150b08110    |
| 24 | spring gasket                   | q41808        |
| 25 | nut                             | vg1200040034  |
| 26 | clamp                           | vg1200040023a |
| 27 | hanger clamp                    | vg1246040008  |
| 28 | hanger screw                    | vg14010388    |
| 29 | frame oil seal                  | vg1540040022a |
| 30 | air valve rod sealing set       | vg1246050027  |

| CRANKSHAFT & FLY WHEEL, D12 EURO-II ENGINE |                           |               |
|--------------------------------------------|---------------------------|---------------|
| Serial                                     | Name                      | Number        |
| 1                                          | crankshaft                | az1246020013  |
| 2                                          | front gear of crankshaft  | vg1246020012  |
| 3                                          | rear gear of crankshaft   | vg1246020011  |
| 4                                          | column pin                | q5210816      |
| 5                                          | flywheel                  | az1246020025a |
| 6                                          | elastic retaining ring    | q43062        |
| 7                                          | ball bearing              | 190003311416  |
| 8                                          | fly wheel gear            | vg2600020208  |
| 9                                          | double head bolt          | q1201090f3    |
| 10                                         | hexagonal nut             | q340b10       |
| 11                                         | hexagonal bolt            | q150b1085     |
| 12                                         | spring gasket             | q41810        |
| 13                                         | fly wheel bolt            | vg1246020010  |
| 14                                         | belt wheel for crankshaft | vg1246020001  |

|    |                         |              |
|----|-------------------------|--------------|
| 15 | gasket ring             | vg1246020003 |
| 16 | silicone oil suspension | vg1246020002 |
| 17 | hexagonal bolt          | q150b1030    |
| 18 | hexagonal bolt          | vg1246020004 |

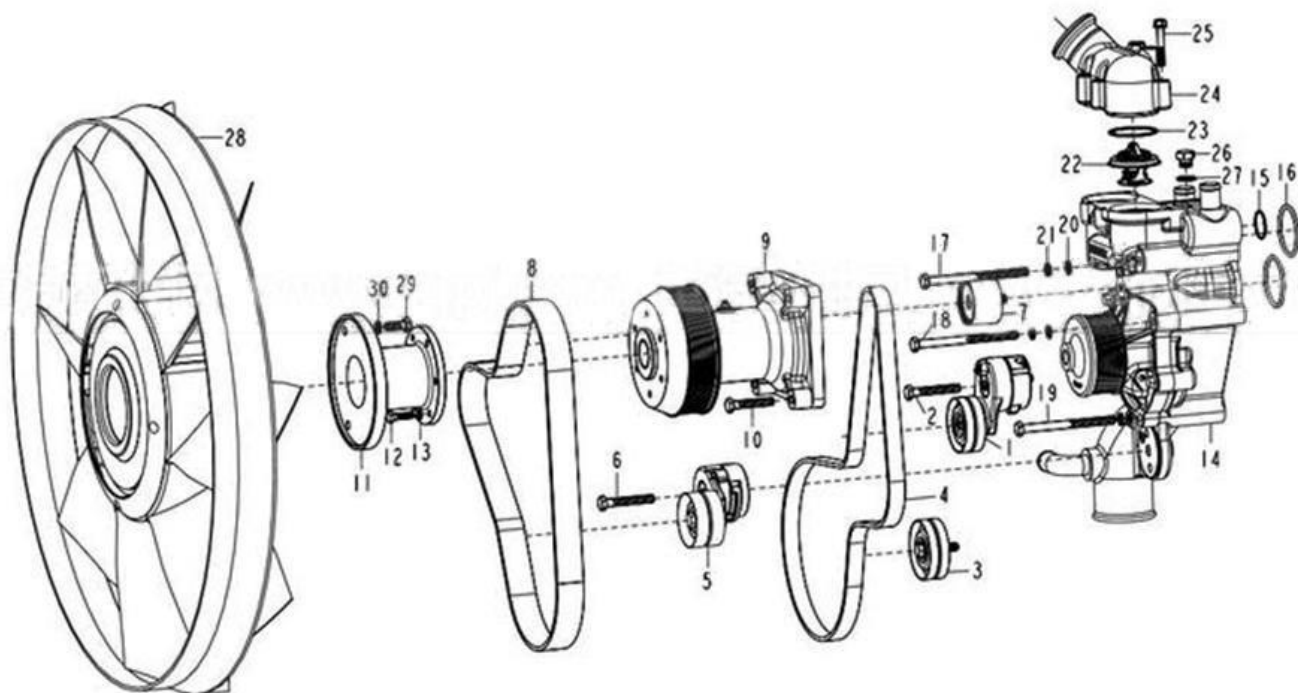
曲轴和飞轮



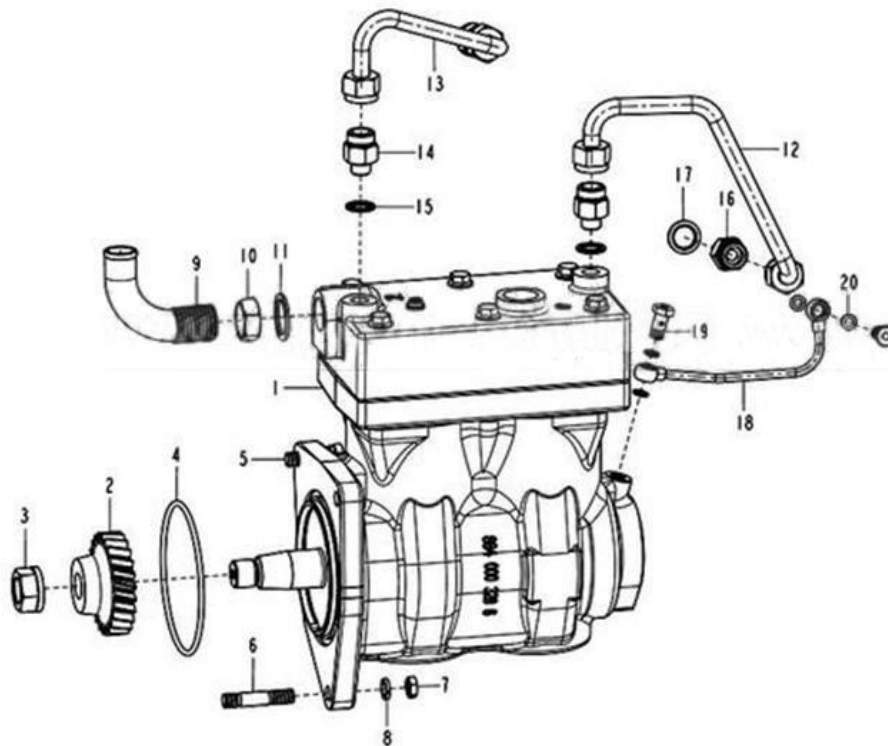
| WATER PUMP & COOLING SYSTEM, D12 EURO-II ENGINE |                       |               |
|-------------------------------------------------|-----------------------|---------------|
| Serial                                          | Name                  | Number        |
| –                                               | thermostat (optional) | vg1246060029  |
| 1                                               | tensioning wheel      | vg1246060001  |
| 2                                               | hexagonal head bolt   | q150b1065tf2  |
| 3                                               | idler                 | vg1246060004  |
| 4                                               | ribbed belt           | vg1246060008  |
| 5                                               | tensioning wheel      | vg1246060002  |
| 6                                               | hexagonal head bolt   | q150b1065tf2  |
| 7                                               | idler                 | vg1246060047  |
| 8                                               | ribbed belt           | vg1246060082  |
| 9                                               | fan support           | vg1246060070  |
| 10                                              | hexagonal head bolt   | q150b1055     |
| 11                                              | middle flange         | vg1246060046a |
| 12                                              | hexagonal head bolt   | q150b0830     |

|    |               |              |
|----|---------------|--------------|
| 13 | spring gasket | q40308       |
| 14 | water pump    | vg1246060042 |
| 15 | O ring        | vg1246060027 |

水泵和冷却系统



|    |                         |              |
|----|-------------------------|--------------|
| 16 | Oring                   | vg1246060028 |
| 17 | hexagonal head bolt     | q150b10150   |
| 18 | hexagonal head bolt     | q150b10135   |
| 19 | hexagonal head bolt     | q150b10125   |
| 20 | flat gasket             | q40110       |
| 21 | spring gasket           | q40310       |
| 22 | thermostat              | vg1246060024 |
| 23 | O ring                  | vg1246060025 |
| 24 | thermostat shell        | vg1246060023 |
| 25 | hexagonal flange bolt   | q1840850     |
| 26 | hexagonal head plug     | q617b16      |
| 27 | compound sealing gasket | vg9003080006 |
| 28 | φ758 silicone oil fan   | vg1246060051 |
| 29 | hexagonal head bolt     | q150b1025    |
| 30 | spring gasket           | q40310       |



| AIR COMPRESSOR, D12 EURO-II ENGINE |                          |               |
|------------------------------------|--------------------------|---------------|
| Serial                             | Name                     | Number        |
| 1                                  | air compressor assy      | vg1246130008  |
| 2                                  | air compressor gear      | vg1246130009  |
| 3                                  | hexagon nut              | vg1246130010  |
| 4                                  | O-sealing ring           | vg1246130012  |
| 5                                  | hexagonal head bolt      | q150b1030     |
| 6                                  | double head bolt         | q1201040f3    |
| 7                                  | hexagon nut              | q340b10       |
| 8                                  | spring gasket            | q40310        |
| 9                                  | air inlet pipe connector | vg1246130016  |
| 10                                 | hexagon nut              | 190003559778  |
| 11                                 | gasket                   | vg2600130037  |
| 12                                 | water-inlet pipe         | vg1246130003a |
| 13                                 | water-outlet pipe        | vg1246130020a |
| 14                                 | pipe connecting joint    | vg1246130021  |
| 15                                 | compound sealing gasket  | vg9003080005  |

|    |                         |              |
|----|-------------------------|--------------|
| 16 | pipe connecting joint   | vg1246130022 |
| 17 | compound sealing gasket | vg9003080006 |
| 18 | oil-inlet pipe          | vg1246130006 |
| 19 | hollow bolt             | 190003962607 |
| 20 | compound sealing gasket | vg9003080003 |

| OIL PAN, D12 EURO-II ENGINE |                        |              |
|-----------------------------|------------------------|--------------|
| Serial                      | Name                   | Number       |
| 1                           | oil pan assy           | vg1246150010 |
| 2                           | magnetic plug          | vg2600150108 |
| 3                           | sealing gasket         | vg2600150106 |
| 4                           | oil pan sealing gasket | vg1246150016 |
| 5                           | oil pan support        | vg14150046   |
| 6                           | hexagonal head bolt    | q150b0840    |
| 7                           | flat gasket            | q40108       |
| 8                           | spring gasket          | q40308       |

油底壳

