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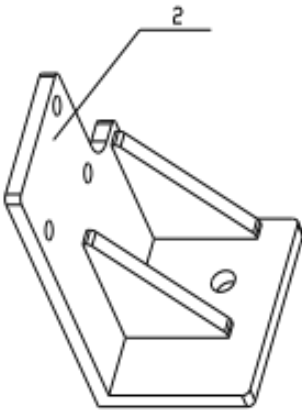
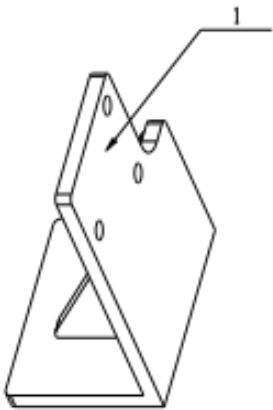
Parts Manual

C03A2 Series

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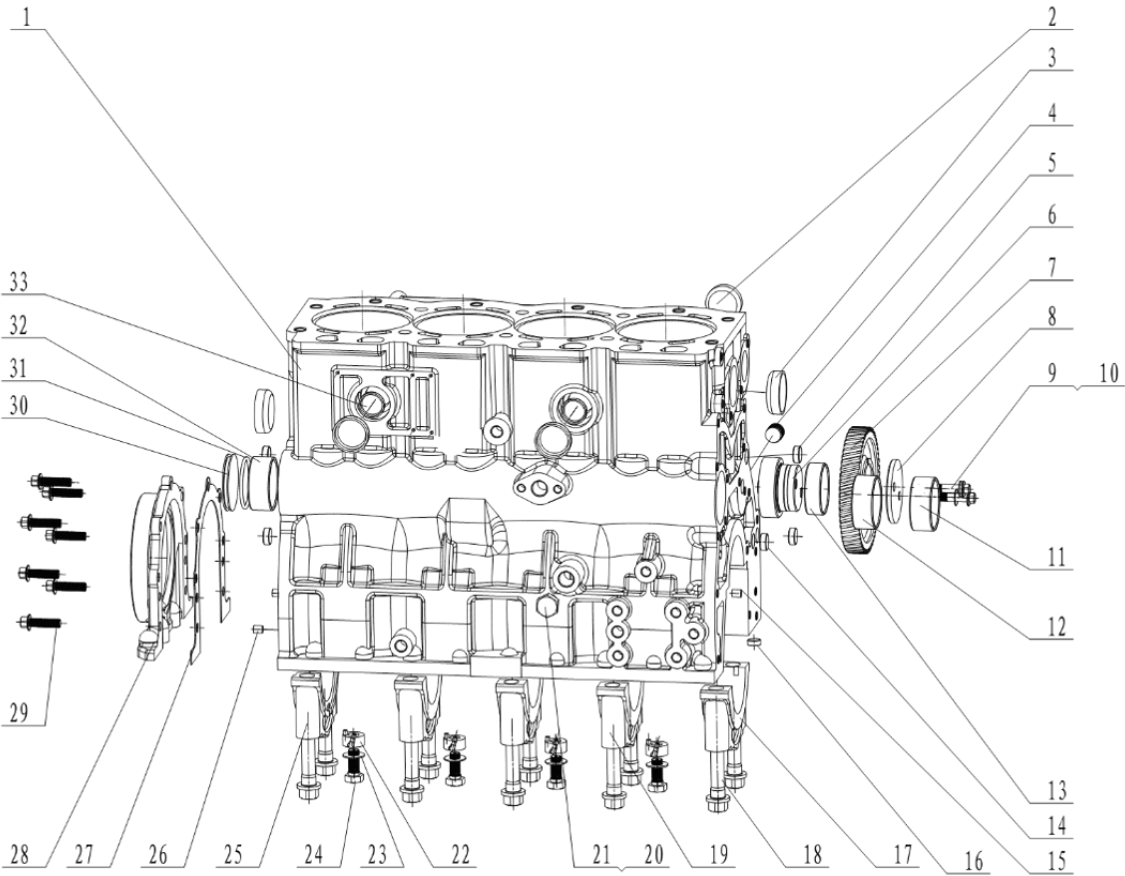
1. Engine Mount Assembly



1. Engine Mount Assembly

Pos.	Parts.No	Amount	Parts Name
1	1VDC01-1001140	1	Front Bracket Group
2	1VDC01-1001240	1	Front Bracket Group

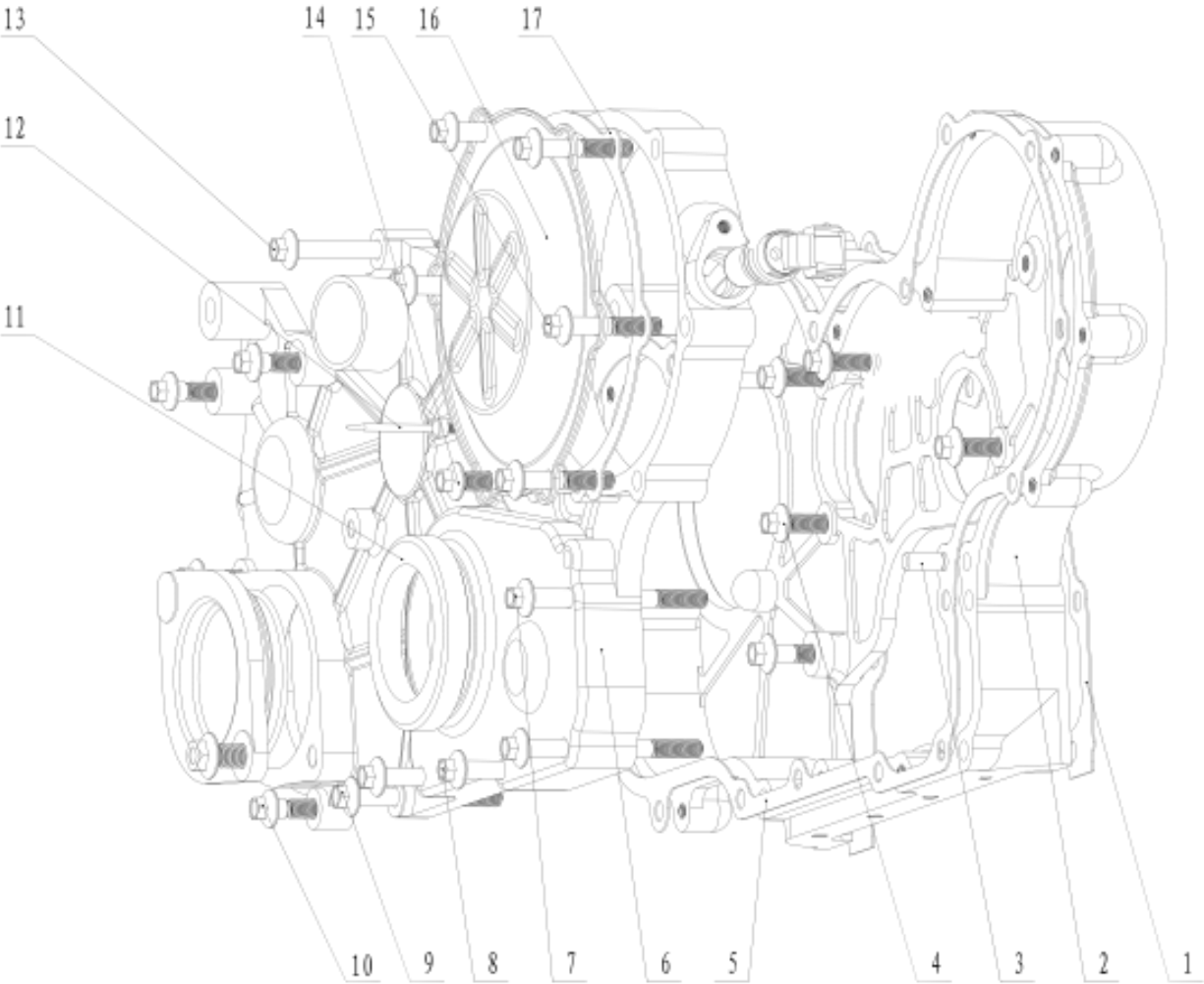
2. 1VDC01-1002100 Cylinder Block Assembly



2. 1VDC01-1002100 Cylinder Block Assembly

Pos.	Parts.No	Amount	Parts Name
1	1VDC01-1002114	1	Cylinder Block
2	YC7-35	3	Bowl Plug 35
3	YC7-40	2	Bowl Plug 40
4	1T4S00-1002001	1	Plug Screw
5	1DQ000-1002602	2	The Main Oil Passage is Blocked
6	1HQ000-1002306B	1	Idler Gear Shaft
7	1VF000-1002301	1	Timing Idle Gear
8	1HQ000-1002307	1	Idler Gear Baffle
9	Q1840855TF2	2	Bolt M8×55
10	Q40308	6	Gasket 8
11	1GQ000-1002120	1	CAM shaft bushing (front)
12	1HQ000-1002138	1	CAM shaft bushing (middle)
13	1HQ000-1002302A	1	Idler Gear Bushing
14	1VF000-1002104	2	Jam Up
15	Q5220818	1	Cylindrical Pin 8 x 18
16	1AQ000-1002003	1	Oil Passage Blockage I
17	1VF000-1002115	1	Front Main Bearing Cap
18	1VF000-1002118	10	Main Bearing Cover Bolt
19	1VF000-1002117	3	Main Bearing Cap
20	Q/YC149-16	1	Composite Gasket 16
21	Q617B16	1	Screw Plug M16 x 1.5
22	1NF000-1002740	4	Nozzle Assembly
23	1DQ000-1002163	4	Gasket
24	1HQ000-1002701A	4	Oiled Bolt
25	1VF000-1002116	1	Thrust Main Bearing Cover
26	Q5221022	2	Pin B10 x 22
27	1HQ000-1002503A	1	Rear Oil Seal Seat Gasket
28	1N4S00-1002540	1	Rear Oil Seal Assembly
29	Q1840835	7	Bolt M8 x 35
30	1HQ000-1002136A	1	Camshaft End Cover
31	1HQ000-1002135	1	Camshaft End Cap Seal Rin
32	1HQ000-1002139	1	CAM Shaft Bushing (rear)
33	YC7-25	2	Bowl Plug 25

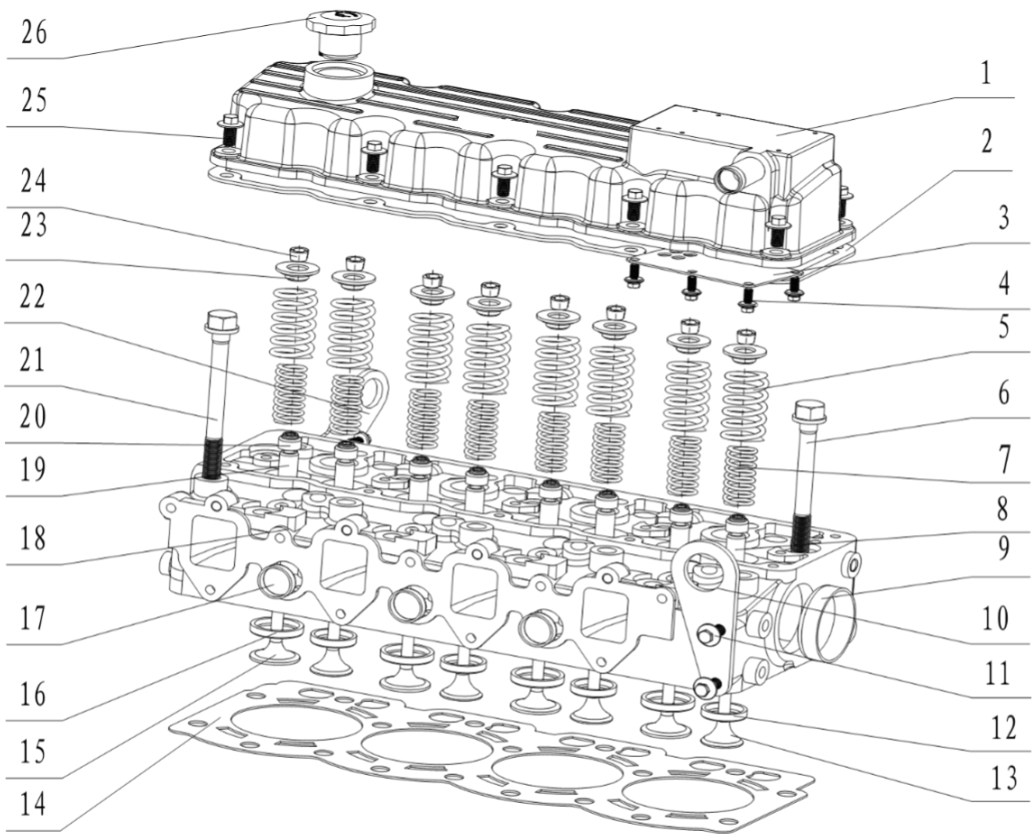
3. 1VDC01-1002200 Gear Chamber Components



3. 1VDC01-1002200 GEAR CHAMBER COMPONENTS

Pos.	Parts.No	Amount	Parts Name
1	1GQ000-1002202A	1	Gear Chamber Gasket
2	1VDC01-1002201	1	Gear Room
3	Q5220818	2	Positioning Pin B8 x 18
4	Q1840822	5	Bolt M8 x 22
5	1GQ000-1002213A	1	Gear Chamber Cover Gasket
6	1VDC01-1002203A	1	Gear Chamber Cover
7	Q1840885	2	Bolt M8 x 85
8	Q1840845	2	Bolt M8 x 45
9	Q1840860	3	Bolt M8 x 660
10	Q1840825	4	Bolt M8 x 25
11	YC209-C055072PR	1	Crankshaft Front Oil Seal
12	1DQ000-1002038	1	Top Dead Center Pointer
13	Q1840875	1	Bolt M8 x 75
14	Q1840822	2	Bolt M8 x 22
15	Q1840850	4	Bolt M8 x 50
16	1AQ000-1002035A	1	Fuel Injection Pump Gear Cover
17	1AQ000-1002036B	1	Fuel Injection Pump Gear Cover Gasket

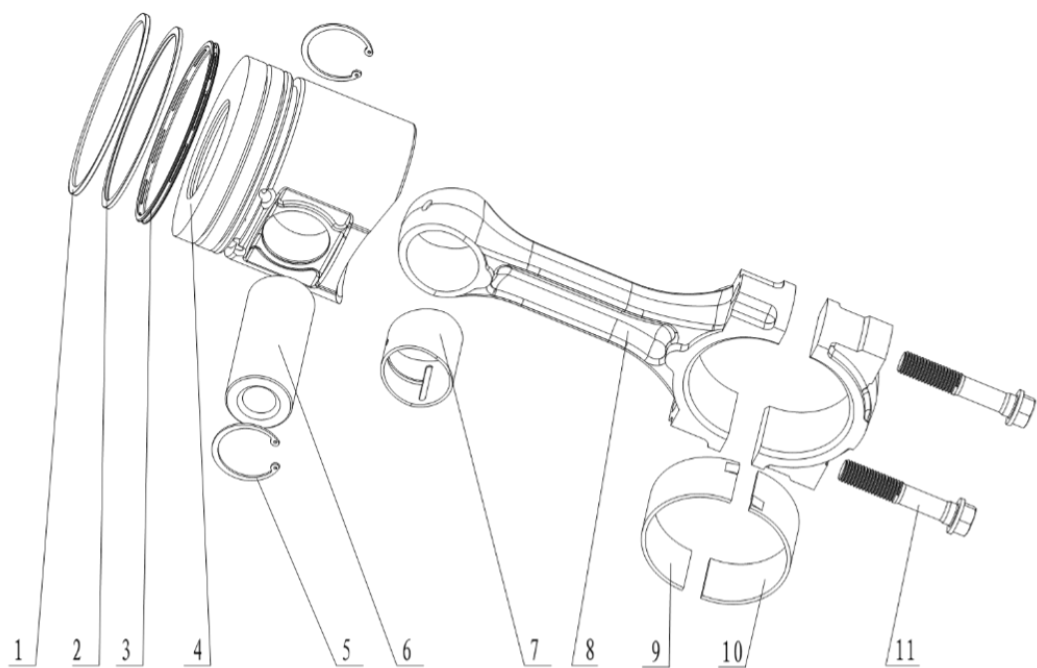
4. 1VDC01-1003000 Cylinder Head Assembly



4. 1VDC01-1003000 Cylinder Head Assembly

Pos.	Parts.No	Amount	Parts Name
1	1VD3A1-1003240	1	Cylinder Head Cover
	1VD3A2-1003240	1	Cylinder Head Cover
	1VD3A3-1003240	1	Cylinder Head Cover
2	1GQ000-1003201B	1	Cylinder Head Cover Gasket
3	1G1L00-1003270	1	Diaphragm Assembly
4	Q1840516	6	Bolt M5 x 16
5	1HQ000-1003106A	8	Valve Spring
6	1AQ000-1003014B	9	Cylinder Head Short Bolt
7	1HQ000-1003117A	8	Valve Inner Spring
8	1HQ000-1003172A	4	Exhaust Valve Guide
9	YC7-55	1	Bowl Plug
10	1VDG00-1003123	1	Rear Lifting Lug
11	Q1840818	4	Bolt M8 x 18
12	1VGE00-1003174	4	Exhaust Valve Seat
13	1VGE00-1003103	4	Exhaust Valve
14	1VGE00-1003001A	1	Cylinder Head Gasket
15	1VGE00-1003111	4	Inlet Valve
16	1VGE00-1003173	4	Intake Valve Seat
17	YC7-26	7	Bowl Plug
18	1VF100-1003171A	1	Cylinder Head
19	1HQ000-1003172A	7	Intake Valve Guide
20	1AQ000-1007016A	8	Valve Rod Seal Ring Assembly
21	1HQ000-1003002B	9	Cylinder Head Long Bolt
22	1NQ000-1003122	1	Front Lifting Lug
23	1HQ000-1003116	8	Valve Spring Upper Seat
24	1HQ000-1003109	16	Air Lock Clamp
25	Q1840825	10	Bolt M8 x 25
26	1AQ000-1003250	1	Oil Filler Cap Assembly

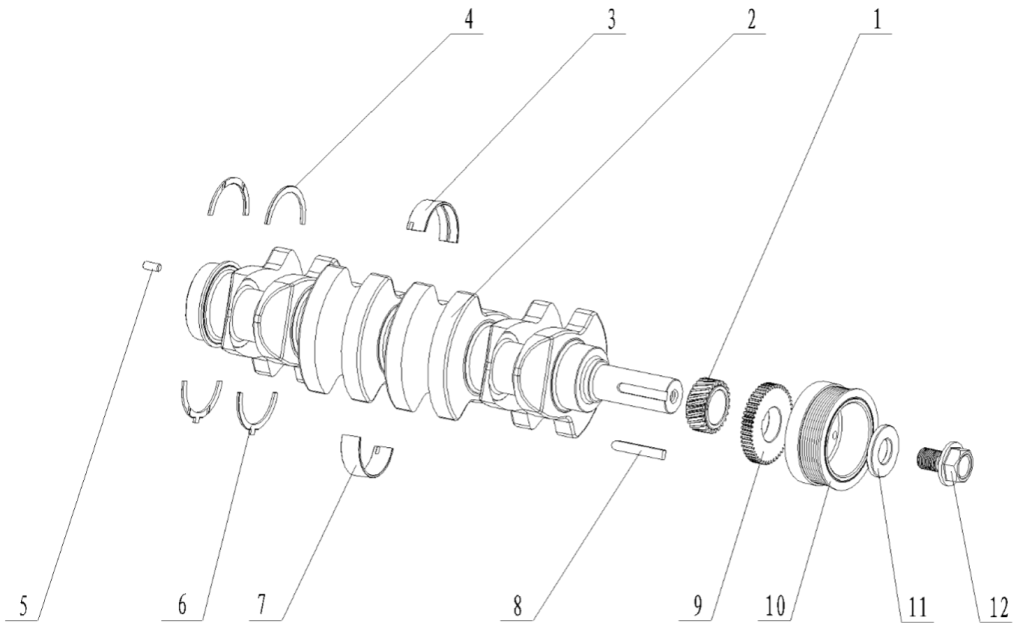
5. 1VD3A0-1004000 Piston Rod Assembly



5. 1VD3A0-1004000 PISTON ROD ASSEMBLY

Pos.	Parts.No	Amount	Parts Name
1	1VGE00-1004008	4	The First Air Ring
2	1VGE00-1004009	4	The Second Air Ring
3	1VGE00-1004100	4	Oil Ring Assembly
4	1VGE00-1004001	4	Piston
5	Q43030	8	Elastic Retainer For Hole
6	1VF000-1004004	4	Piston Pin
7	1VF000-1004202	4	Connecting Rod Bushing
8	1VF000-1004201	4	Connecting Rod Body
9	1VF000-1004006SF1	4	Upper Connecting Rod Bearing Bush
10	1VF000-1004007SF1	4	Lower Connecting Rod Bearing Bush
11	1VQ000-1004204	8	Connecting Rod Bolt

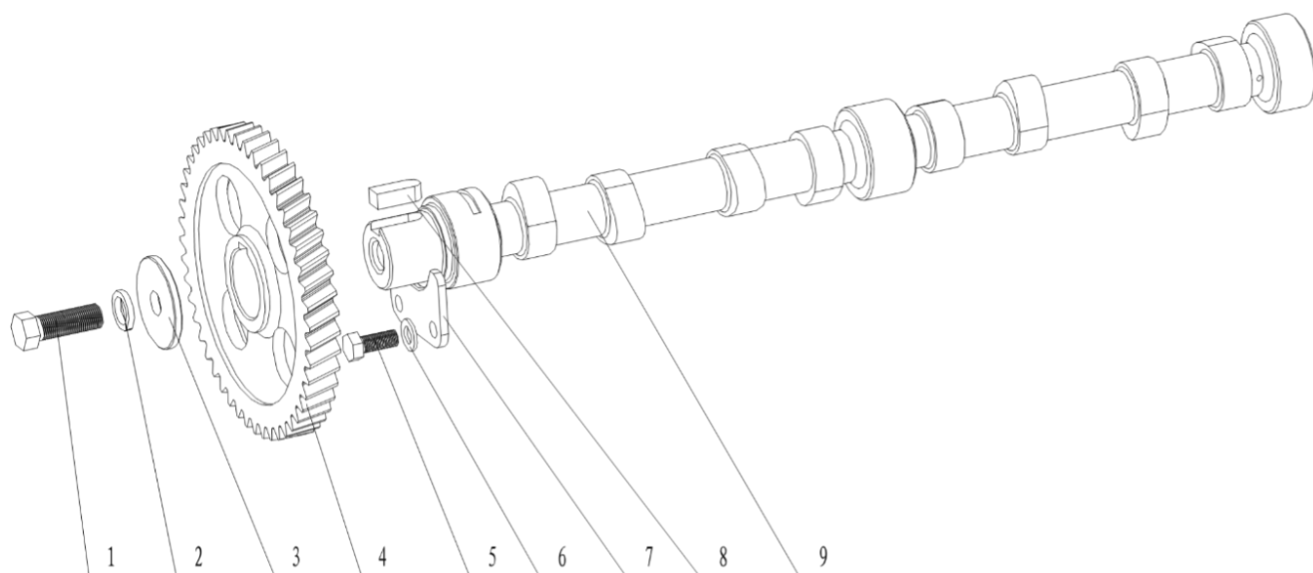
6. 1VDC01-1005000 Crankshaft Damper Assembly



6. 1VDC01-1005000 CRANKSHAFT DAMPER ASSEMBLY

Pos.	Parts.No	Amount	Parts Name
1	1VGE00-1005002	1	Crankshaft Timing Gear
2	1VF000-1005001	1	Crank Shaft
3	1VQ000-1005005A	5	Upper Spindle Tile
4	1VQ000-1005003	2	Upper Thrust Plate
5	Q5221022	1	Pin B10 x 22
6	1VQ000-1005004	2	Lower Thrust Plate
7	1VQ000-1005006A	5	Lower Spindle Shoe
8	Q5511063	1	Key C10 x 63
9	1VGE00-1005027	1	Oil Pump Drive Gear
10	1VDC01-1005015	1	Crankshaft Pulley
11	1AQ000-1005053	1	Starting Pawl Washer
12	1AQ000-1005052	1	Starting Pawl

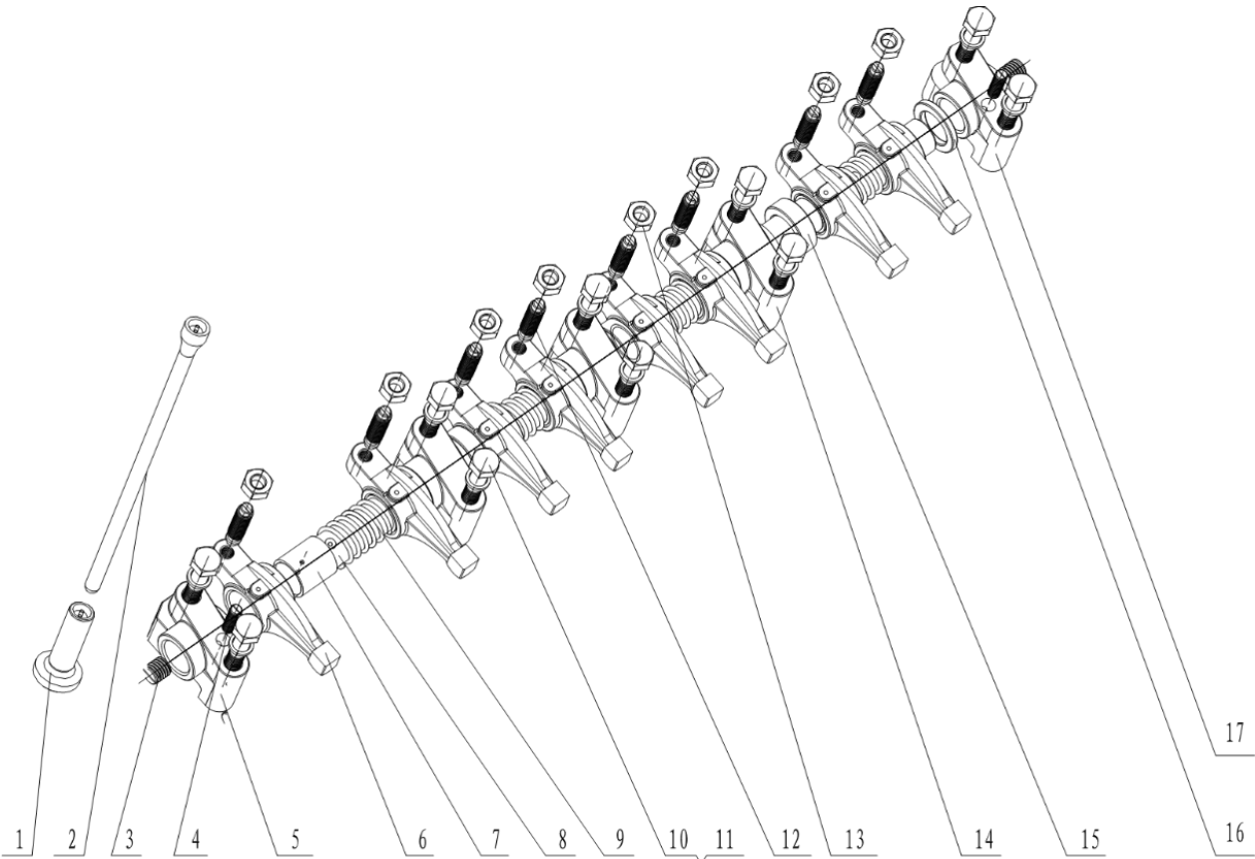
7. 1VGE00-1006000 Camshaft assembly



7. 1VGE00-1006000 CAMSHAFT ASSEMBLY

Pos.	Parts.No	Amount	Parts Name
1	Q150B1235TF2	1	Bolt M12 x 35
2	Q40312	1	Washer 12
3	CA000-1006019	1	Washer
4	1VGE00-1006002	1	Camshaft Timing Gear
5	Q/YC1820820TF2	2	Bolt M8 x 20
6	Q40308	2	Gasket 8
7	1HQ000-1006003	1	Camshaft Thrust Plate
8	Q5510825	1	Key C8 x 25
9	1GQ000-1006001A	1	Camshaft

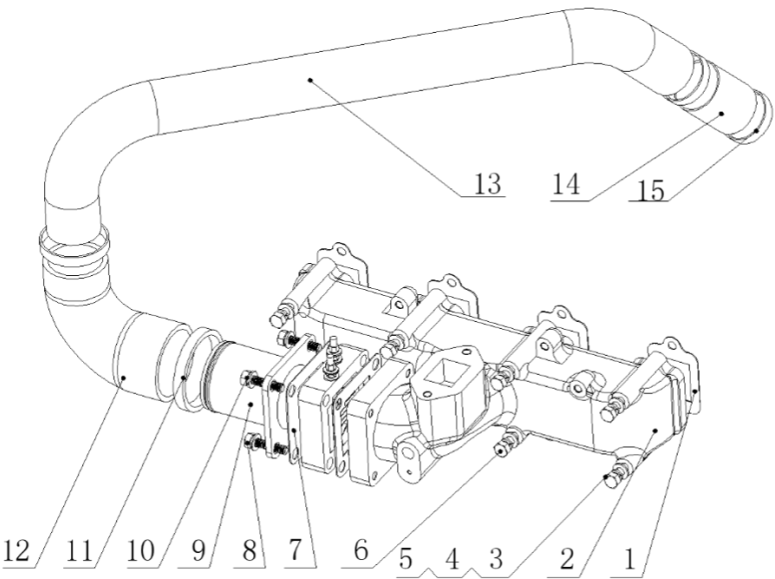
8. 1VGE00-1007000 Valve Gear Assembly



8. 1VGE00-1007000 VALVE GEAR ASSEMBLY

Pos.	Parts.No	Amount	Parts Name
1	1VGE00-1007001	8	Tappet
2	1GQ000-1007002	8	Push rod
3	Q2821010	2	Slotted Flat End Setting Screw
4	Q2820620	2	Slotted Flat End Setting Screw
5	1GQ000-1007102	1	Rocker Arm Shaft Support I
6	1HQ000-1007143	8	Valve Rocker Arm
7	1HQ000-1007144	8	Valve Rocker Arm Bushing
8	1GQ000-1007101	1	Rocker Arm Shaft
9	1GQ000-1007103	4	Rocker Arm Shaft Spring
10	CA000-3701035	10	Gasket
11	Q150B0850TF2	10	Bolt M8 x 50
12	1HQ000-1007141	8	Adjusting Screw
13	1HQ000-1007142	8	Lock Nut
14	1GQ000-1007106	3	Rocker Arm Shaft Support II
15	1GQ000-1007111	3	Shaft Sleeve I
16	1GQ000-1007112	1	Shaft Sleeve II
17	1GQ000-1007107	1	Rocker Arm Shaft Support III

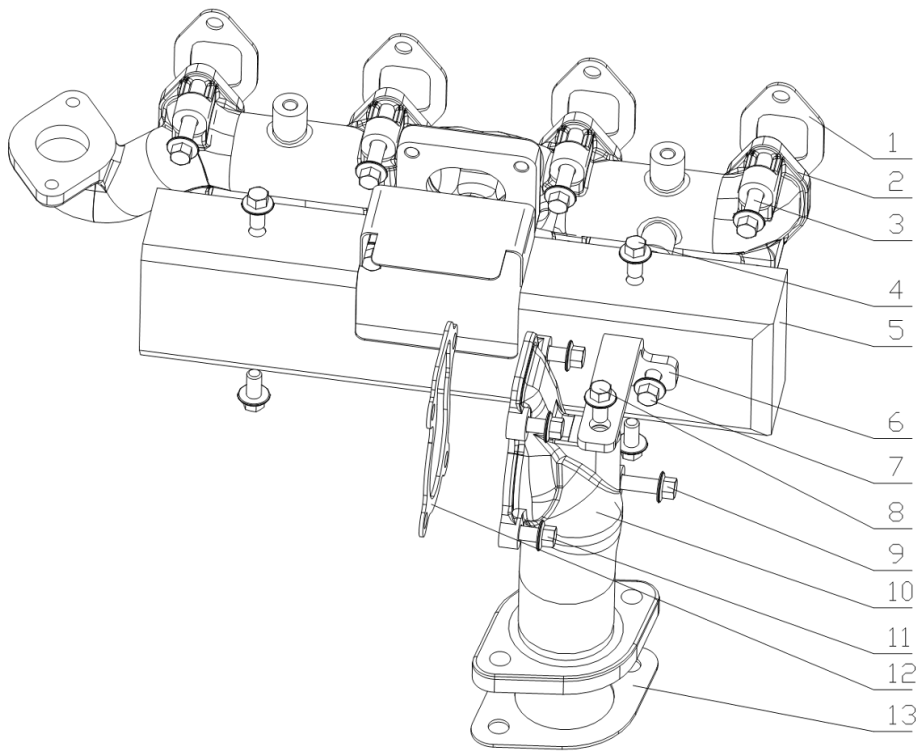
9. 1VDC01-1008100 Intake Pipe Unit



9. 1VDC01-1008100 INTAKE PIPE UNIT

Pos.	Parts.No	Amount	Parts Name
1	1VF000-1008104	1	Intake Gasket
2	1VDC01-1008101A	1	Inlet Pipe
3	Q150B0830	3	Bolt M8×30
4	Q40108	12	Washer 8
5	Q40308	12	Washer 8
6	Q150B0875	5	Bolt M8 x 75
7	1N1L00-1008105	1	Gasket For Air Heater
8	Q150B0830	2	Bolt M8 x 30
9	1VD3A3-1008102	1	Inlet Nozzle
10	Q150B0870	2	Bolt M8 x 70

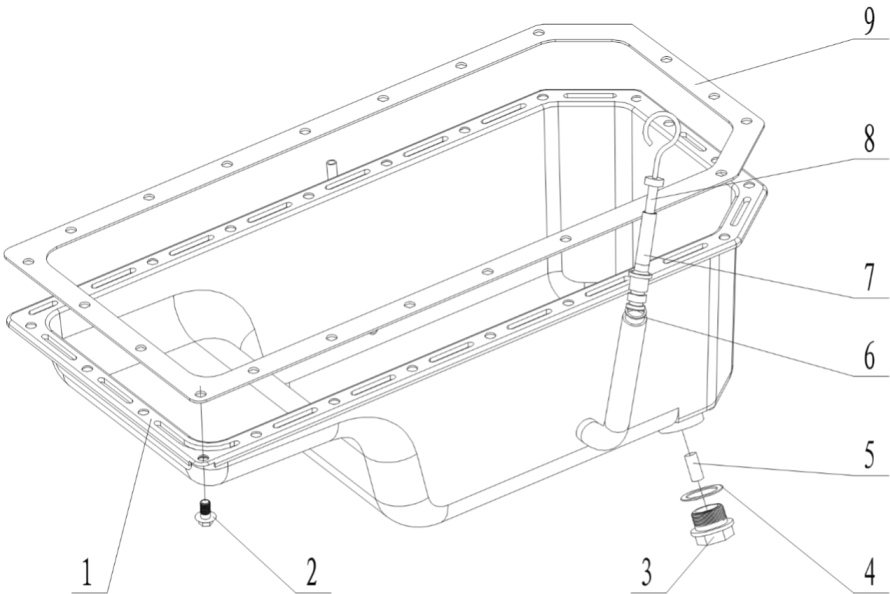
10. 1VD3C1-1008200 Exhaust Pipe Unit



10. 1VD3C1-1008200 Exhaust Pipe Unit

Pos.	Parts.No	Amount	Parts Name
1	1GQ300-1008205	4	Exhaust Gasket
2	1VDC01-1008204	1	Exhaust Pipe
3	YC3-0850TF2	8	Bolt M8 x 50
4	Q1840812	4	Bolt M8 x 12
5	1VDC01-1008213	1	Exhaust Pipe Cover

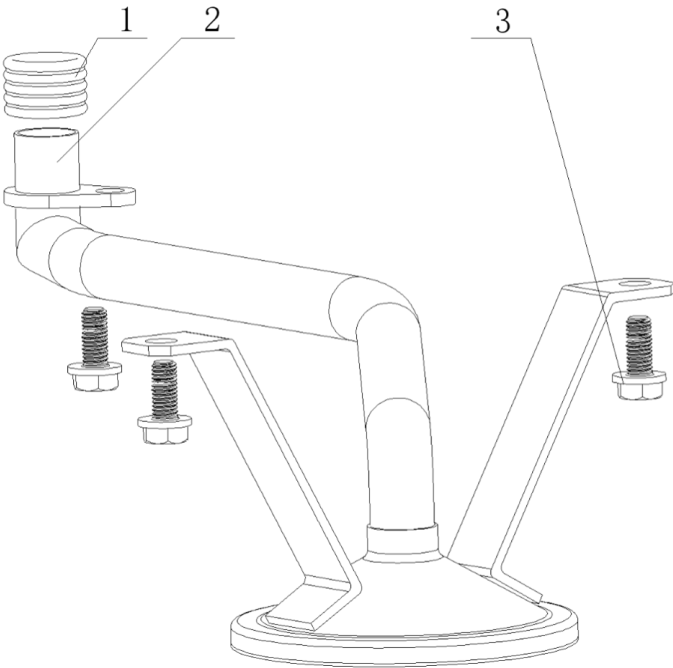
11. 1VDC01-1009000 Oil Pan Assembly



11. 1VDC01-1009000 OIL PAN ASSEMBLY

Pos.	Parts.No	Amount	Parts Name
1	1VDC01-1009040	1	Oil Pan Welds
2	Q1840816	26	Bolt M8 x 16
3	1NF000-1009051	1	Drain Plug
4	Q/YC149-27	1	Composite Gasket 27
5	CA000-1009032	1	Drain Plug Magnet
6	GB3452.1-11.2×2.65	2	O-type Rubber Seal Ring
7	1VGE00-1028007	1	Oil Gauge Steel Casing
8	1VGE00-1028140	1	Oil Gauge Assembly
9	1GQ000-1009001A	1	Oil Pan Gasket

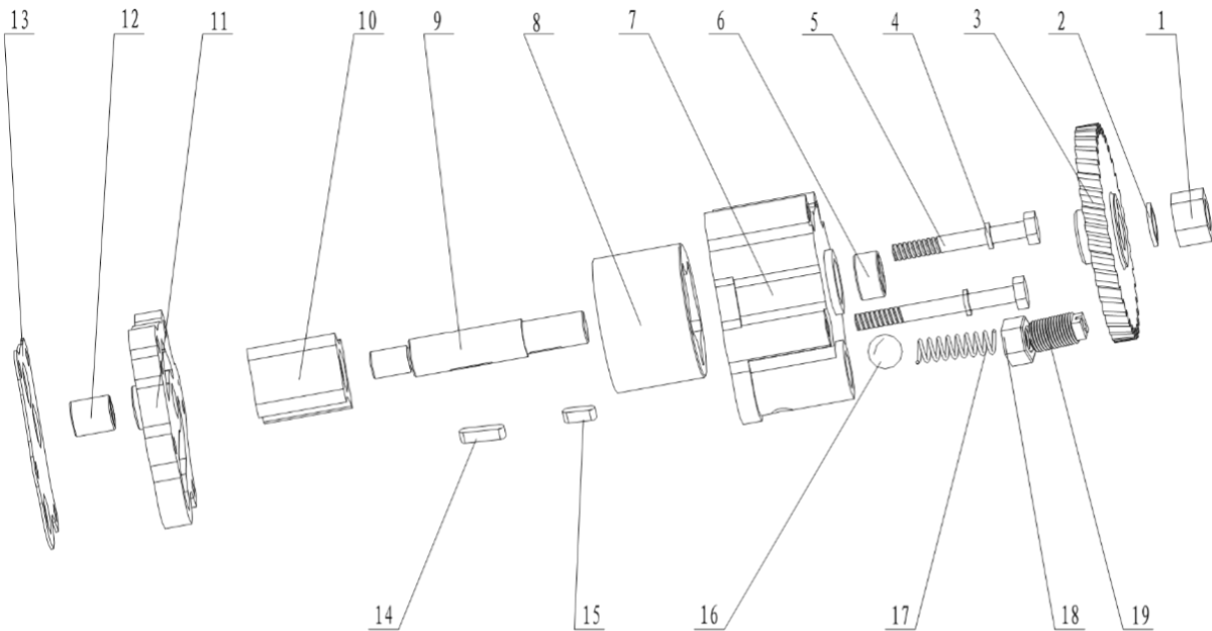
12. 1V4S00-1010000 Oil Strainer Assembly



12. 1V4S00-1010000 OIL STRAINER ASSEMBLY

1	Parts.No	Amount	Parts Name
1	1GQ000-1010001A	1	Sealant Sleeve
2	1GQ001-1010100B	1	Oil Filter Welds
3	Q1840816	3	Flange Face Bolt M8×16

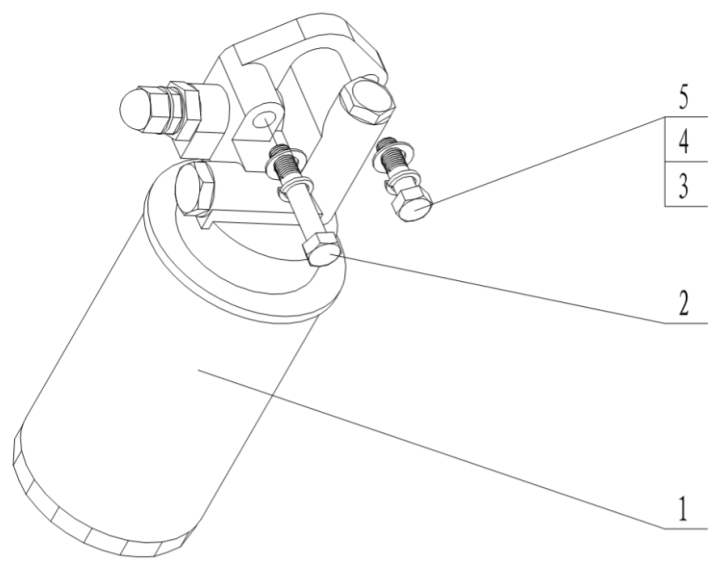
13. 1VGE00-1011000 Oil Pump Assembly



13. 1VGE00-1011000 OIL PUMP ASSEMBLY

Pos.	Parts.No	Amount	Parts Name
1	Q351C12	1	Thin Hexagon Nut M12×1.5
2	GB/T856	1	Stop Washer 12
3	1VQ000-1011114A	1	Oil Pump Gear
4	Q40308	4	Washer 8
5	Q150B0860	4	Bolt M8 x 60
6	1AQ000-1011103A	1	Oil Pump Bushing
7	1VQ000-1011101C	1	Oil Pump Body
8	1NQ000-1011113	1	Outer Rotor
9	1NQ000-1011141C	1	Oil Pump Shaft
10	1NQ000-1011112	1	Inner Rotor
11	1VQ000-1011105B	1	Oil Pump Cover
12	12DQ00-1011104	1	Drive Shaft Bushing I
13	1VQ000-1011007A	1	Oil Pump Gasket
14	Q5510518	1	Key C5×18
15	Q5510410	1	Bond C4 x 10
16	GB/T308	1	Steel Ball Sφ10
17	1AQ000-1011107	1	Spring
18	Q351C14	1	Thin Hexagon Nut M14 x 1.5
19	1AQ000-1011106	1	Pressure Adjusting Screw

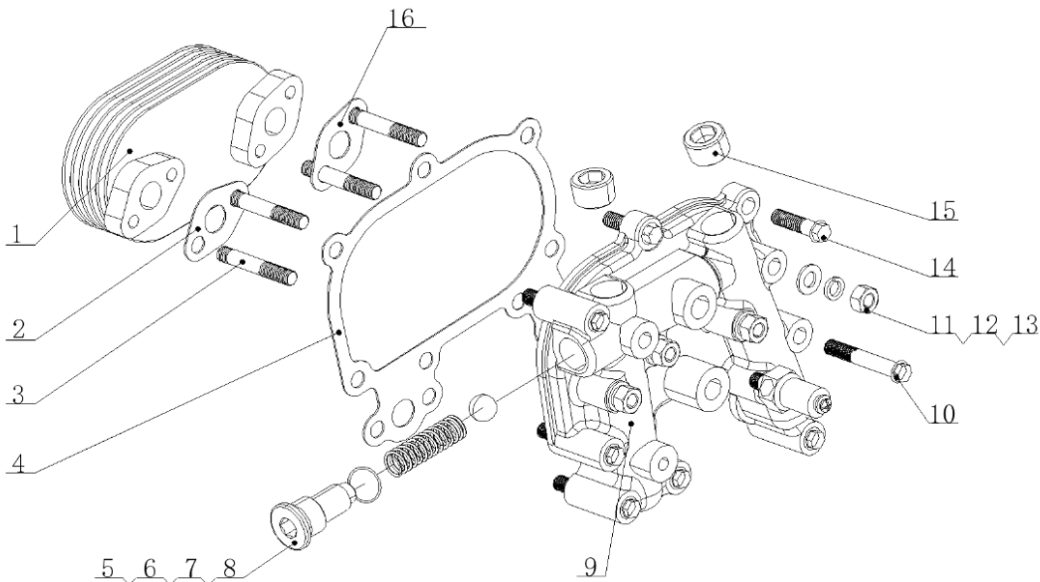
14. 1VDC01-1012000 Oil Filter Assembly



14. 1VDC01-1012000 Oil Filter Assembly

Pos.	Parts.No	Amount	Parts Name
1	95.04302-6001-9	1	Oil filter element
2	Q150B0850	1	Bolt M8 x 50
3	Q150B0830	1	Bolt M8 x 30
4	Q40108	2	Washer 8
5	Q40308	2	Washer 8

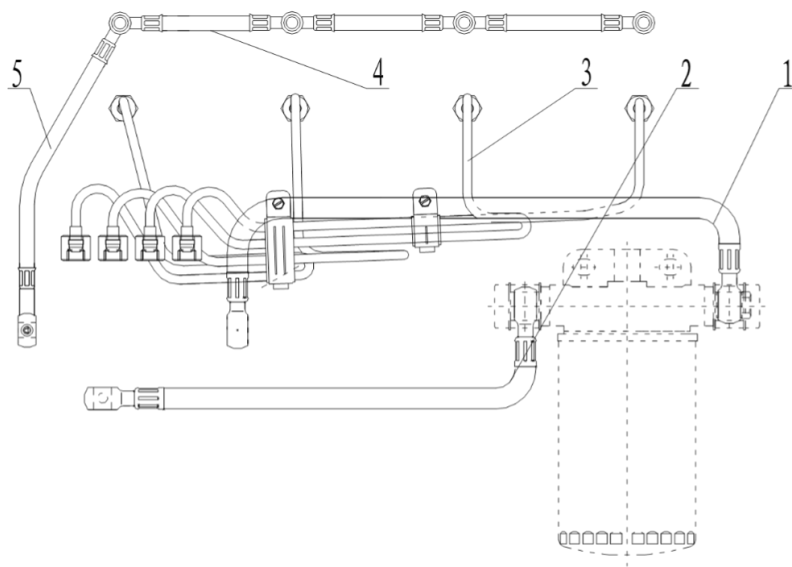
15. 1VDC01-1013000 Oil Cooler Assembly



15. 1VDC01-1013000 Oil Cooler Assembly

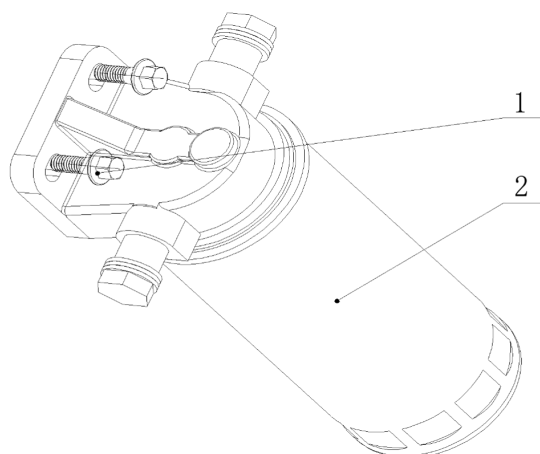
Pos.	Parts.No	Amount	Parts Name
1	1GQ000-1013108A	1	Cooler Core
2	1GQ000-1013124	1	Flange Gasket II
3	Q1200840	4	Double Stud M8×40
4	1GQ000-1013106B	1	Oil Cooler Cover Gasket
5	1GQ000-1013110	1	Bypass Valve Plug
6	JB/T6013	1	O-type Sealing Ring $\varnothing 18 \times \varnothing 2.65$
7	1HQ000-1013111	1	Bypass Valve Spring
8	GB308	1	Steel Ball 14
9	1VDC01-1013100A	1	Oil Cooler Cover
10	Q1840850	7	Bolt M8 x 50
11	Q340B08	4	Nut M8
12	Q40308	4	Washer 8
13	Q40108	4	Washer 8
14	Q1840825	3	Bolt M8 x 25
15	Q/YC198-18	2	Screw Plug M18×1.5-6H
16	1GQ000-1013107	1	Flange Gasket I

16. 1VDC01-1104000 Oil Supply Line Assembly



16. 1VDC01-1104000 Oil Supply Line Assembly

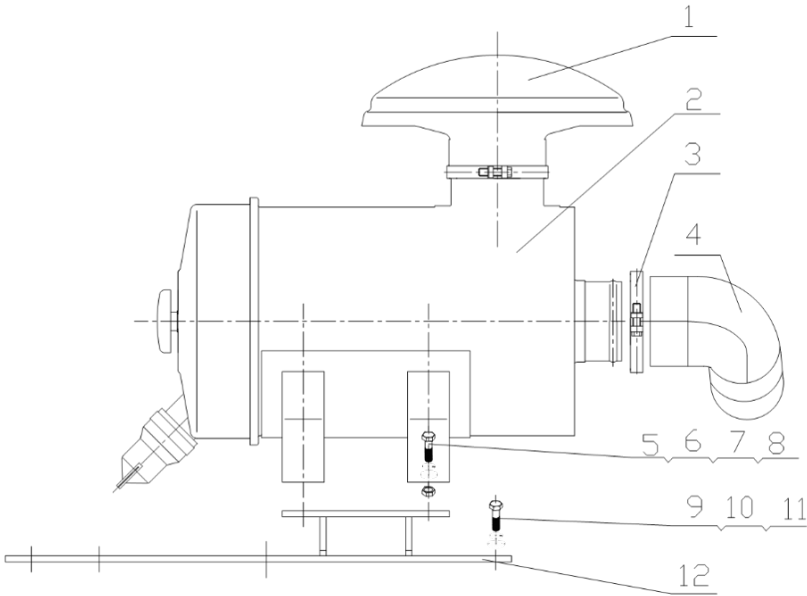
Pos.	Parts.No	Amount	Parts Name
1	1VD3A3-1104300	1	Oil Pump To Fuel Filter Tubing Unit
2	1VD3A3-1104400	1	Wood Filter To Fuel Injection Pump Tubing Assembly
3	1VD300-1104100	1	High Pressure Tubing Assembly
4	1VD3A3-1104240C	3	Oil Return Pipe
5	1VD3A3-1104240A	1	Return Line Assembly

17. 1VDC01-1105000 Diesel Filter Assembly

17. 1VDC01-1105000 Diesel Filter Assembly

Pos.	Parts.No	Amount	Parts Name
1	Q1840825	2	Bolt M8 x 25
2	95.12503-5018A-9	1	Diesel Filter Element
3	130306380	1	Pre-Fuel Filter
4	130306380-8mm	1	Pre-Fuel Filter Connecting Tube

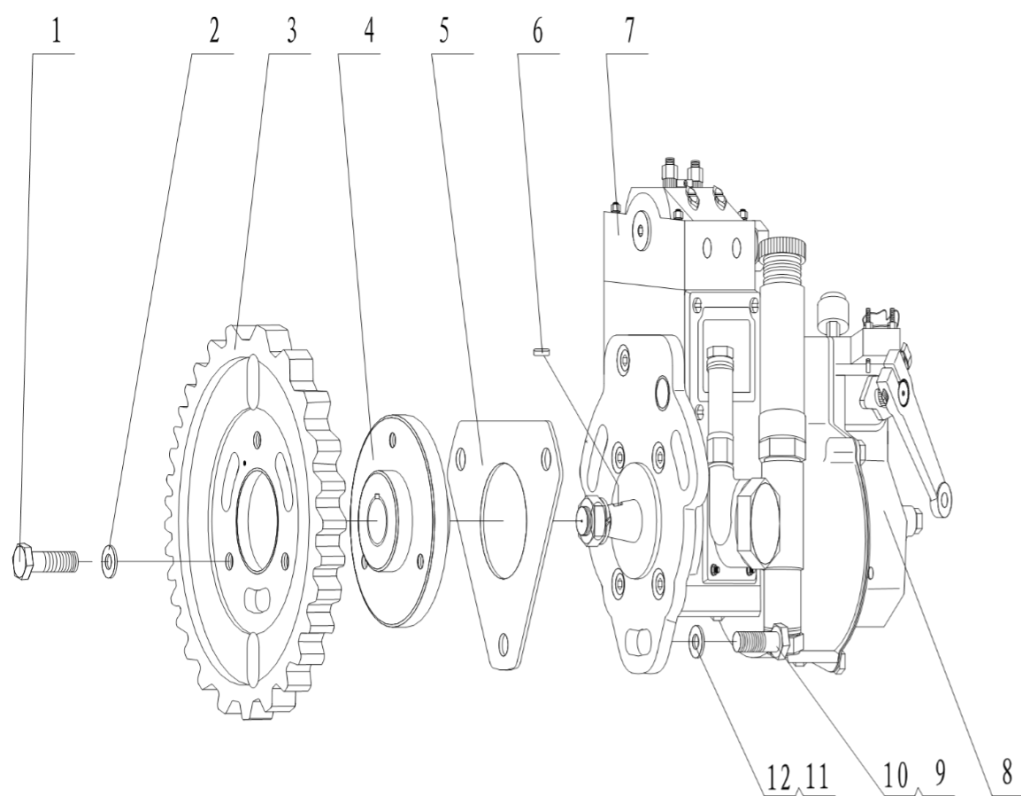
18. 1VDC01-1109000 Air Filter Assembly



18. 1VDC01-1109000 Air Filter Assembly

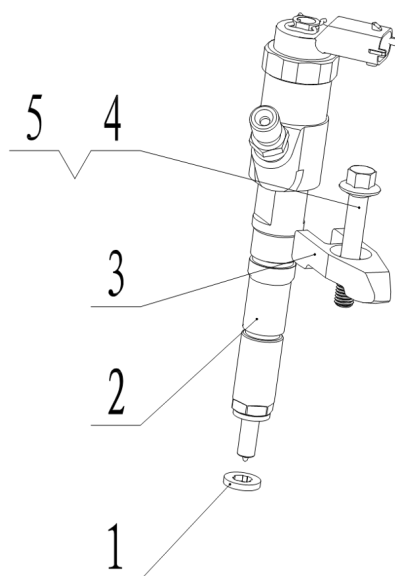
Pos.	Parts.No	Amount	Parts Name
1	/	1	Empty Filter Cap
2	AH831	1	Air Filter
3	Q67690	1	Hoop 90
4	1VDA03-1118090	1	Compressor Inlet Connecting Hose
5	Q150B0825	4	Bolt M8 x 25
6	Q40108	4	Washer 8
7	Q40308	4	Washer 8
8	Q340B08	4	Nut M8
9	Q150B1025	4	Bolt M10 x 25
10	Q40110	4	Washer 10
11	Q40310	4	Washer 10
12	1VDA03-1109012	1	Air Filter Support

19. 1VD3C1-1111000 Fuel Injection Pump Assembly



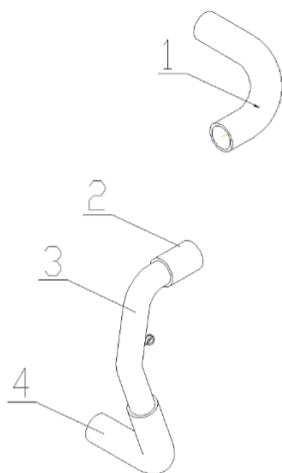
19. 1VD3C1-1111000 Fuel Injection Pump Assembly

Pos.	Parts.No	Amount	Parts Name
1	Q150B0825TF2	4	Bolt M8 x 25
2	CA000-3701035	4	Gasket
3	1VD300-1111003	1	Fuel Injection Pump Gear
4	12DQ00-1111004A	1	Fuel Injection Pump Timing Control Plate
5	1AQ000-1002037A	1	Oil Pump Gasket
6	GB/1099-79	1	Key 3 x 16
7	1VD3C1-1111100-C32	1	Fuel Injection Pump
8	/	1	Electronic Governor
9	Q1200830	3	Double Stud M8×30
10	Q340B08	3	Nut M8
11	Q40308	3	Washer 8
12	CA000-3701035	3	Gasket

20. 1VDA00-1112000 Fuel Injector Assembly

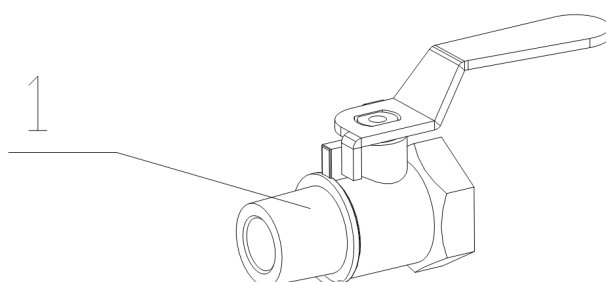
20. 1VDA00-1112000 Fuel Injector Assembly

Pos.	Parts.No	Amount	Parts Name
1	1HQ000-1112001	1	Fuel Injector Gasket
2	1VDA00-1112100-DA67	1	Oil Injector
3	1NQ000-1112005A	1	Fuel Injector Pressure Plate
4	Q1840845TF2	1	Bolt M8 x 45
5	GB/T849-8	1	Washer 8

21. 1VDC01-1301000 Radiator Assembly

21. 1VDC01-1301000 Radiator Assembly

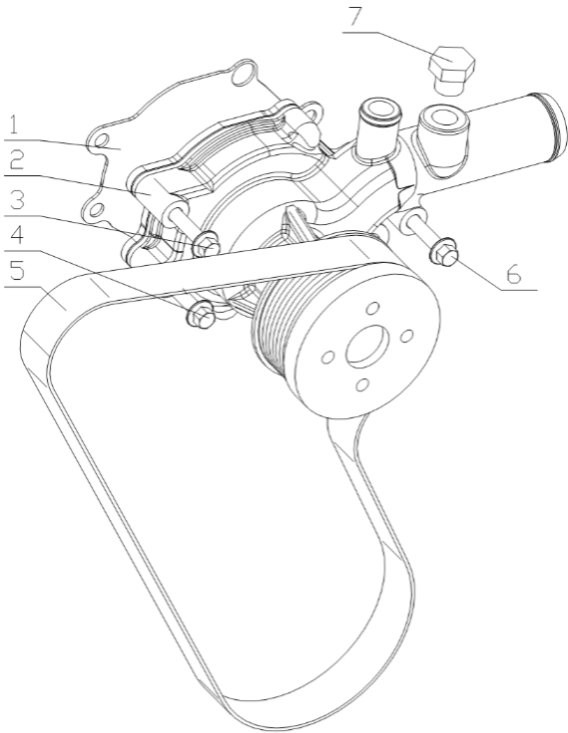
Pos.	Parts.No	Amount	Parts Name
1	1VDC01-1301501	1	Radiator Inlet Pipe
2	CB434-1307003	1	Connecting Hose
3	1VDC01-1307250	1	Water Pump Inlet Pipe Assembly
4	12DC00-1312008	1	Rubber Hose III
5	95.29102-6003UDAL	1	Radiator with Intercooler

22.1NF000-1305000 Drain Valve Assembly

22. 1NF000-1305000 Drain Valve Assembly

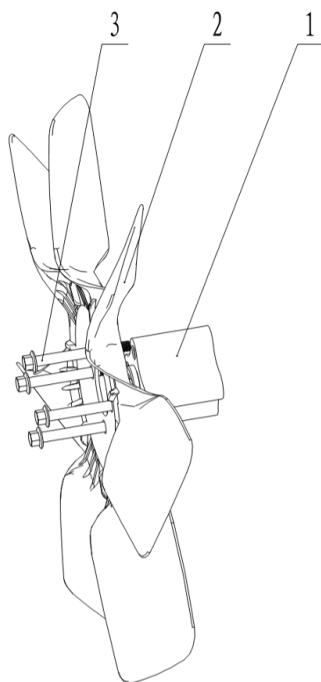
Pos.	Parts.No	Amount	Parts Name
1	1NF000-1305040	1	Drain Valve Components

23. 1VDC01-1307000 Water Pump Assembly



23. 1VDC01-1307000 Water Pump Assembly

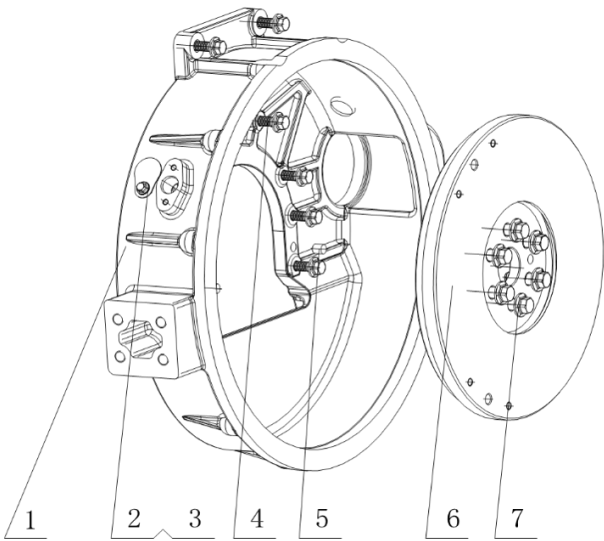
Pos.	Parts.No	Amount	Parts Name
1	1HQ000-1307001	1	Water Pump Gasket
2	1VF001-1307100	1	Pump Component
3	Q1840855	1	Bolt M8×55
4	Q1840845	2	Bolt M8×45
5	YC80-8PK-995B	1	Wedged Belt
6	Q1840880	1	Bolt M8× 80
7	Q618B03	1	Hexagonal Head Plug NPT3/8

24. 1VDC01-1308000 Fan Assembly

24. 1VDC01-1308000 Fan Assembly

Pos.	Parts.No	Amount	Parts Name
1	1VD6C1-1308102B	1	Fan Backing Plate
2	1VD3C1-1308150	1	Fan Assembly
3	Q1841030TF2	4	Bolt M10 x 30

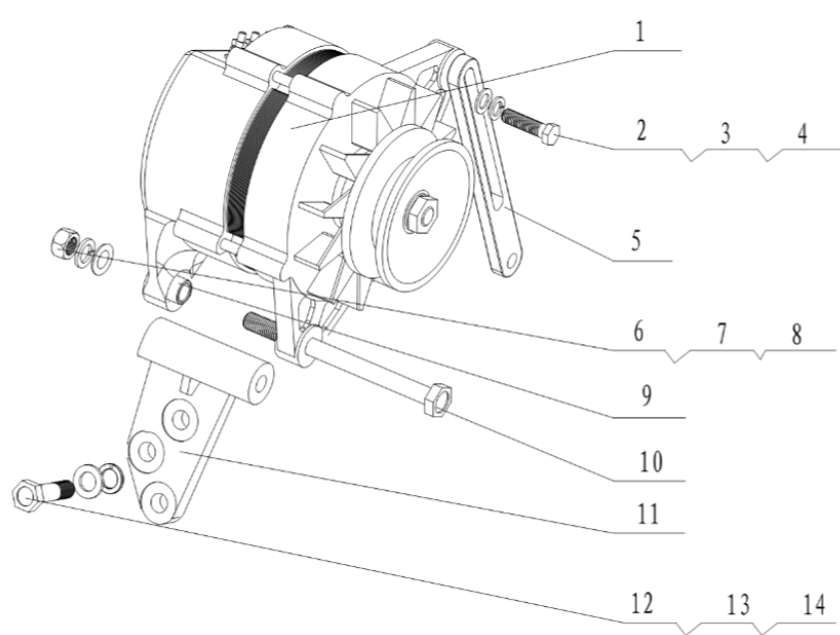
25. 1VDC01-1600000 Power Supply Assembly



25. 1VDC01-1600000 Power Supply Assembly

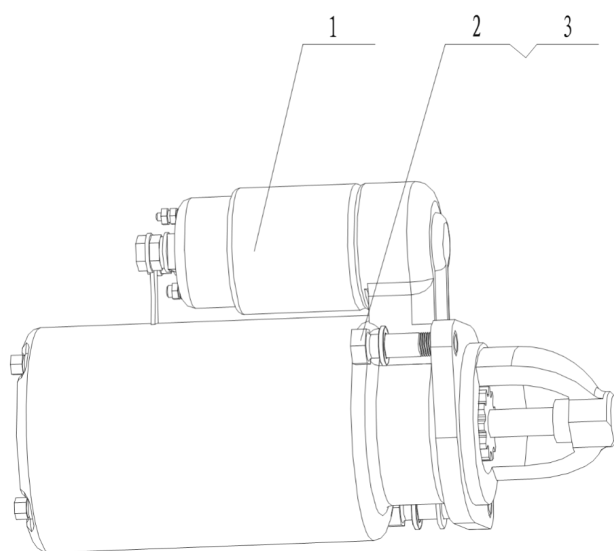
Pos.	Parts.No	Amount	Parts Name
1	1VDC01-1600401	1	Flywheel Housing
2	1DQ000-1600016	1	Cover Plate
3	Q1840610	1	Bolts M6x10
4	Q1841032TF2	8	Bolt M10 x 32
5	Q5221022	2	Pin B10 x 22
6	1VDC01-100536	1	Flywheel And Ring Assembly
7	1AQ000-1005363A	6	Flywheel Bolt

26. 1VDC01-3701000 Alternator Assembly



26. 1VDC01-3701000 Alternator Assembly

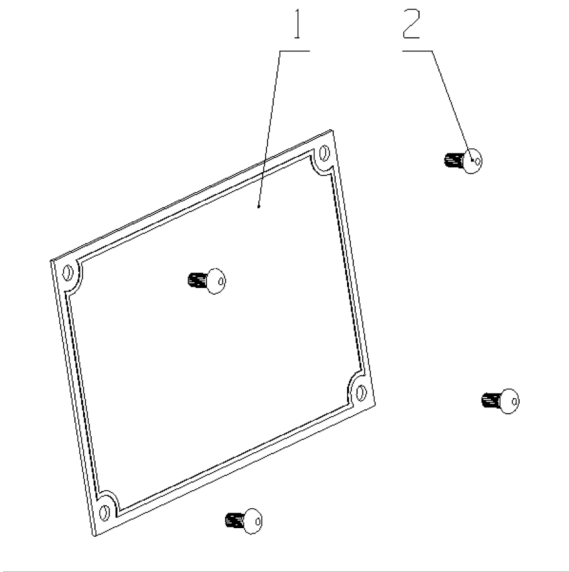
Pos.	Parts.No	Amount	Parts Name
1	1VDC01-3701100	1	Alternator
2	Q150B0830	1	Bolt M8×30
3	Q40308	1	Gasket 8
4	CA000-3701035	1	Gasket
5	1VDG00-3701031	1	Alternator Regulating Plate
6	Q340B10	1	Nut M10
7	Q40310	1	Washer 10
8	Q40110	1	Washer 10
9	1FQ613-3701032	1	Sliding Block
10	Q150B10110	1	Bolt M10 x 110
11	1VDG00-3701020	1	Alternator Support Welds
12	Q150B1025	3	Bolt M10 x 25
13	Q40310	3	Washer 10
14	Q40110	3	Washer 10

27. 1VDC01-3708000 Starter Assembly

27. 1VDC01-3708000 Starter Assembly

Pos.	Parts.No	Amount	Parts Name
1	1VDC01-3708100	1	Starter
2	Q150B1230	2	Bolt M12 x 30
3	Q40312	2	Washer 12

28.1VDC01-3904000 Nameplate Assembly



28. 1VDC01-3904000 Nameplate Assembly

Pos.	Parts.No	Amount	Parts Name
1	1VDC01-3904001	1	Placard
2	Q5410306	4	Plate Rivets 3× 6



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