

(1) Cylinder Block Assem. (KM170F-0100)

Ref No.	Parts No.	Description	Qty.
1	KM168F-0018	Drain Plug Screw	1
2	KM168F-01100	Washer Unit of Drain Plug	1
3	GB/T9777-1-1988	Oil Seal 32.0x-45 (R/Rear)	1
4	KM170FA-01001	Cylinder Block	1
5	GB/T7295-1986	Needle Bearing74x18	2
6	GB/T1235-1976	O-Ring 22.5x2.4	2
7	KM168F-01002	Fuel Injector	2
8	KM168F-11200	Fuel Controller Assem.	1
9	GB/T6173-2000	Nut M10 x 1.25	2
10	KM168F-00111	Forcing Stud of Fuel Injector Pump (short)	2
11	KM168F-00112	Forcing Stud of Fuel Injector Pump (long)	2
12	KM168F-00114	Fuel Injection Pump Washer	1
13	KM168F-10016	Joint Washer	1
14	KM168F-10015	Seal Plate	1
15	GB/T6177-1-2000	Nut M6	2
16	GB/T37-1-1985	Gasket 6	2
17	GB/T37-1-1987	Gasket 6	2
18	GB/T170-2000	Nut M6	2
19	GB/T230-1989	Needle Bearing HK1512	1
20	KM168F-01009	Thrust Plate	1
21	GB/T5789-1986	Bolt M8 x 12	2
22	GB/T767-1994	Ball Bearing 6205PS	2
23	KM168F-01019	Air Cover	1
24	KM168F-01012	Bolt M8 x 12	1
25	KM168F-01008	Sheet Gasket	1
26	KM168F-01006	Cylinder Head Stud Bolt (long)	2
27	KM168F-01003	Cylinder Head Stud Bolt (short)	2
28	KM170F-01013	Cylinder Head Shim	1
29	KM168F-01005	Crankcase Cover Washer	4
30	KM168F-01004	Cylinder Head Nut (Thin)	2
31	KM168F-01007	Cylinder Head Nut (Thick)	2
32	KM168F-01015	Crankcase Cover Washer	1
33	KM168F-01014	Ball Bearing	1
34	KM168F-01016a	Crankcase Cover	1
35	KM170F-01016	Crankcase Cover	1
36	GB/T9777-1-1988	Oil Seal 32.0x-42 (R/Rear)	1
37	GB/T5789-1986	Bolt M8 x 13.5	1
38	KM168F-01017	Hexagonal Internal Screw Plug	1
37-1	KM178FG-01300	Oil indicator	1
38	GB/T5789-1986	Bolt M8 x 25	14
39	KM168F-01021	Plunger	1
40	GB/T119-1-2000	Pin 1 x 12	2
1	KM170F-01022	Block	1
2	GB/T767-1994	Ball Bearing 6205PS	1

(3) Cylinder Head Cover Assem. (KM168F-03000)

Ref No.	Parts No.	Description	Qty.
1	GB/T119-1986	Pin 3 x 16	1
2	KM168F-03001	Cylinder Head Cover	1
2-1	KM170FA-03001	Cylinder Head Cover	1
3	KM168F-02007	Breather Seat	1
4	GB/T1235-1976	O-Ring 12 x 1.8	1
5	KM168F-03003	Cylinder Head Cover Washer	1
5-1	KM170FA-03003	Cylinder Head Cover Washer	1
6	KM168F-01022	Plunger	1
7	KM168F-03004	Decompression Spring	1
8	KM168F-03100	Decompression Shaft Assem.	1
9	GB/T5789-1986	Bolt M6 x 35	1
10	KM168F-03000	Decompression Plug	1
1	KM170F-03012	Decompression Wire Sheath	2
2	KM168F-03100	Decompression Shaft Assem.	1
3	KM168F-03011	Decompression Wire	1
4	KM178FG-03009	Outer Decompression Handle	1
5	KM170F-03008	Decompression Handle Support	1
6	GB/T5789-1986	Bolt M6 x 14	3
7	KM178FG-03013	Outer Decompression Handle Sheath	1
8	GB/T170-2000	Nut M6	1
1	GB/T5789-1986	Bolt M6 x 55	3

(6) Camshaft (KM168F-06000)

Ref No.	Parts No.	Description	Qty.
1	KM168F-06100	Valve Push Rod Assem.	2
2	KM168F-06003	Valve Tappet	2
3	KM168F-06002	Camshaft Timing Gear	1
4	GB/T698-1979	Key 5 x 14	1
5	KM168F-06001	Camshaft	1
5-1	KM170F-06001	Camshaft	1
1	KM170FS-06030	Camshaft	1
1	GB/T698-1979	Key 5 x 30	1

(2) Cylinder Head Assem. (KM168F-02000)

Ref No.	Parts No.	Description	Qty.
1	KM168F-02014	Intake Pipe Shim	1
1-1	KM170FA-02014	Intake Pipe Shim	1
2	KM168F-02002	Cylinder Cover	1
2-1	KM170FA-02002	Cylinder Cover	1
3	KM168F-02004	Intake Valve	1
3-1	KM168F-02003	Intake Valve Seat	1
4	KM168F-02016	Exhaust Valve	1
5	KM168F-02023	Inlet Valve Seat	1
6	GB/T895-1986	Shut M8 x 20	1
7	GB/T895-1986	Muffler Shim	1
8	KM168F-02201	Valve Conduit	2
9	KM168F-02202	Valve Spring Gasket	2
10	GB/T119-1-2000	Pin 1 x 20	2
11	KM168F-02007	Valve Spring Retainer	2
12	KM168F-02006	Valve Spring	2
13	KM168F-02005	Valve Spring	2
14	KM168F-02001	Valve Retaining Clip	4
15	KM168F-02016	Valve Retaining Clip	4
16	KM168F-02008	Valve Clearance Adjusting Screw	2
17	KM168F-02012	Exhaust Valve Rocker Arm	2
18	KM168F-02017	Set Bolt of Rocker Arm Seat	2
19	KM168F-02100	Rocker Arm Seat Assem.	2
20	KM168F-02100	Rocker Arm Seat Assem.	2
21	KM168F-02100	Rocker Arm Seat Assem.	2
22	KM168F-02100	Rocker Arm Seat Assem.	2
23	GB/T6177-1-2000	Nut M6	1
24	KM168F-02009	Fuel Injection Valve Retainer	1
25	KM168F-02018	Heat Insulator Gasket	1
26	KM168F-02011	Heat Insulator	1
27	GB/T900-1988	Heat Insulator	1
27-1	GB/T900-1988	Heat Insulator	1
28	GB/T5789-1986	Shut M8 x 20	2
29	GB/T5789-1986	Shut M8 x 25	1
1	KM170F-02009	Reinforcing Ring 12	1
1	GB/T194-1-1986	Pin 4 x 8	2
1	GB/T119-1-2000	Pin 4 x 8	2
1	GB/T5789-1986	Bolt M6 x 25	1

(4) Piston & Connecting Rod Assem. (KM170F-04000)

Ref No.	Parts No.	Description	Qty.
1	KM170F-04001	First Air Ring	1
2	KM170F-04002	Second Air Ring	1
3	KM170F-04003	O/Ring Assem.	1
4	KM170F-04003	Piston	1
4-1	KM170FA-04003	Piston	1
5	KM170F-04003	Retainer Ring 19	2
6	KM168F-04008	Connecting Rod Bolt	1
7	KM168F-04004	Connecting Rod Bolt	1
7-1	KM168F-04007	Connecting Rod Bolt	1
8	KM168F-04002	Connecting Rod Bolt	1
9	KM168F-04005	Connecting Rod Bolt Bushing	2
10	KM168F-04006	Connecting Rod Cover	1
11	KM168F-04006	Connecting Rod Cover	1
11-1	KM170FA-04003	Connecting Rod Nut	2
12	KM168F-04002	Connecting Rod Bolt Gasket	2
13	KM168F-04011	Connecting Rod Nut	2

(7) Air Intake System (KM168F-07000)

Ref No.	Parts No.	Description	Qty.
1	KM168F-07401	Inlet Pipe	1
1-1	KM170FA-07401	Inlet Pipe	1
2	KM168F-07402	Tightening Bolt of Air Cleaner	1
3	KM168F-07001	Air Cleaning Washer	1
4	KM168F-07300	Air Cleaning Bottom Case Assem.	1
5	GB/T177-1-2000	Nut M6	4
6	KM168F-07303	Shockproof Sheet Gasket II	1
7	KM168F-07100	Air Cleaner Element Assem.	1
8	KM168F-07101	Air Cleaner Element Assem.	1
9	KM168F-07203	Shockproof Sheet Gasket I	1
10	KM168F-07201	Shockproof Sheet	1
11	KM168F-07202	Air Cleaner Cover	1
12	KM168F-07210	Shockproof Seal Assem.	1
13	GB/T62-1988	Nut M6	1

(5) Crankshaft & Flywheel Assem. (KM168F-05000)

Ref No.	Parts No.	Description	Qty.
1	GB/T276-1984	Ball Bearing 6202PS	2
2	KM168F-05001	Balance shaft	1
3	KM168F-05006	Key	2
4	KM170F-05004	Drive Gear of Balance Shaft	1
5	KM168F-05007	Output End Set Bolt	1
6	GB/T37-1987	Gasket 8	1
7	KM168F-05005	Output End Gasket	1
8	KM168F-05203	Crankshaft Timing Gear	1
9	GB/T1096-1979	Key 5 x 30	1
10	KM168F-05201	Crankshaft	1
11	KM170FA-05201	Crankshaft	1
12	KM168F-05201	Crankshaft	1
13	KM168F-05201	Crankshaft	1
14	GB/T308-1989	Steel Ball 1/4"	2
15	GB/T1906-1979	Pin 1 x 12	2
13	KM168F-05102	Flywheel Tooth	1
14	KM170F-05102	Flywheel Tooth	1
15	KM168F-05101	Flywheel	1
16	KM170F-05101	Flywheel	1
15	KM168F-05003	Flywheel Nut Gasket	1
16	KM168F-05002	Flywheel Nut	2
17	KM168F-05001	Staring Washer Set	1
18	GB/T3789-1986	Bolt M6 x 12	3

(8) Fuel Injection Valve Assem. (KM168F-13000)

Ref No.	Parts No.	Description	Qty.
1	KM170F-13200a	Fuel Injection Valve Block	1
2	GB/T879-1986	Pin 3 x 5	5
3	KM170F-13001	Valve-adjustment Washer	1
4	KM170F-13006	Valve-adjustment Spring	1
5	KM170F-13005	Mandrel	1
6	KM170F-13003	Intermediate Block	1
7	KM170F-13004	Locating Pin	2
8	KM170F-13100	Fuel Injection Nozzle	1
9	KM170F-13002	Nozzle Forcing Nut	1
10	KM170FA-13000	Fuel Injection Valve Assem	1

(9) Muffler Assem. (KM168F-08000)

Ref No.	Parts No.	Description	Qty.
1	KM168F-08000	Muffler Assem.	1
2	GB/T170-2000	Nut M8	2
3	GB/T93-1987	Gasket 8	2
4	GB/T97-1-1985	Gasket 8	2
5	GB/T5789-1986	Bolt M5 x 14	2
1	KM168FG-08000	Muffler Assem.	1
1	GB/T170-2000	Nut M8	2
2	GB/T93-1987	Gasket 8	2
3	GB/T97-1-1985	Gasket 8	2
4	KM168FG-08000	Muffler Assem.	1
5	GB/T5789-1986	Bolt M5 x 14	2

(11) Fuel System (KM168F-10000)

Ref No.	Parts No.	Description	Qty.
1	GB/T5789-1986	Bolt M8 x 45	1
2	KM168F-10003	Set Bolt of Fuel Tank Upper Support	1
3	GB/T97-1-1985	Gasket 9	1
4	KM168F-10011	Fuel Tank Upper Support	1
5	KM168F-10002	Cushion	4
6	KM168F-10013	Fuel Return Pipe Clip	2
7	KM168F-10012	Fuel Return Pipe	1
8	KM170FA-10012	Fuel Return Pipe	1
9	KM168F-10008	Drain Bolt Washer	1
9	GB/T5786-2000	Bolt M12 x 1.25 x 14	1
10	KM168F-10000	Fuel Tank Lower Support	1
11	GB/T5789-1986	Nut M6 x 14	2
12	GB/T6177-1-2000	Nut M6	2
13	KM168F-10400	Fuel Tank Switch Assem.	1
14	GB/T3452-11992	O-Ring 13.2x1.8	2
15	KM168F-10011	Clip	1
16	KM168F-10009	Fuel Pipe	1
17	KM168F-10004	Fuel Filter Washer	1
18	KM168F-10030	Element Assem.	1
19	KM168F-10000	Fuel Tank Weldment Assem.	1
21	KM168F-10100	Fuel Tank Cap	1
22	KM168F-10050	High-pressure Fuel Pipe Unit	1
23	KM170F-10050	High-pressure Fuel Pipe Unit	1
22-1	KM170FA-10050	High-pressure Fuel Pipe Unit	1
1	KDE5000E-3000A	Cushion	4
2	KDE5000E-3000S	Sheath	4
3	KDE5000E-31000	Fuel Tank Weldment Assem.	1
4	KDE5000E-31000	Fuel Tank Cap	1
5	KM168F-10054	Fuel Filler Screen	1
6	KDE5000E-32000	Fuel Indicator Assem.	1
7	GB/T97-1-1985	Gasket 5	2
8	GB/T97-1-1985	Gasket 5	2
9	GB/T819-1-2000	Plus Screw M5 x 12	2
10	KM168F-10030	Element Assem.	1
11	KM168F-10007	Fuel Cleaner Washer	1
12	KDE5000E-31007	Joint Washer	1
13	KDE5000E-31006	Seal Plate	1
14	KM178FG-12000	Plus Screw M5 x 8	3
15	GB/T3452-11992	O-Ring 13.2 x 1.8	1
16	KM168F-10400	Throttle Switch Assem.	1
17	GB/T6187-1986	Nut M6	2

(12) Manual Starting Assem. (KM168F-12000)

Ref No.	Parts No.	Description	Qty.
1	KM170F-12001	Fuel Delivery Valve Forcing Holder	1
2	KM170F-12002	Dumping Block	1
3	KM170F-12003	Tightening Valve Spring	1
4	KM170F-12011	High-pressure Sheet Gasket 2	1
5	KM170F-12100	Fuel Delivery Assembly	1
6	KM170F-12400a	Fuel Delivery Assembly	1
7	KM170F-12200	FIP Block Plunger Assem.	1
8	KM170F-12004	Adjusting Washer	2
9	GB/T879-1986	Pin 2 x 6	2
10	KM170F-12005	FIP Connecting Plate	1
11	KM170F-12006	Fuel Limiting Sheath	1
12	GB/T879-1986	Pin 3 x 8	1
13	KM170F-12100	Outer Case Assem.	1
14	KM170F-12008	Spring	1
15	KM170F-12009	Spring Holder	1
16	KM170F-12300a	Tappet	1
1	KM170FA-12000	Fuel Injection Pump Assem	1

(10) Lubricating System (KM168F-09000)

Ref No.	Parts No.	Description	Qty.
1	GB/T5789-1986	Bolt M6 x 12	5
2	KM168F-09003	Lube Oil Pump Cover	1
3	GB/T3452-11992	O-Ring 34 x 1.8	1
4	KM168F-09100	Engine Oil Pump Unit	1
5	GB/T119-1-1986	Pin 3 x 16	1
6	KM178FG-09002	Drive Gear of Lube Oil Pump	1
7	KM168F		