

(1) Cylinder Block Assem. (KM170F-01000)

Ref No.	Parts No.	Description	Qty.
1	KM168F-01018	Drain Plug Screw	1
2	KM168F-01100	Washer Unit of Drain Plug	1
3	GB/T9877-1-1988	Oil Seal SG30×45×8(rear)	1
4	KM170F-01001	Cylinder Block	1
5	KM170FA-01001	Cylinder Block	1
6	GB/T290-1989	Needle Bearing 7941/8	2
7	GB/T1235-1976	O-Ring 22.5×2.4	2
8	KM168F-01002	Oil Dipstick	2
9	KM168F-11200	Fuel Controller Assem.	1
10	GB/T6173-2000	Nut M10×1.25	1
11	KM168F-01012	Forcing Stud of Fuel Injection Pump (short)	1
12	KM168F-01011	Forcing Stud of Fuel Injection Pump (long)	2
13	KM168F-10014	Fuel Injection Pump Washer	2-3
14	KM168F-10016	Joint Washer	1
15	KM168F-10015	Seal Plate	1
16	GB/T6177-1-2000	Nut M6	1
17	GB/T97-1-1985	Gasket 6	2
18	GB/T93-1987	Gasket 6	2
19	GB/T170-2000	Nut M6	1
20	GB/T290-1989	Needle Bearing HK1512	1
21	KM168F-01009	Thrust Plate	1
22	GB/T5789-1986	Bolt M8×12	1
23	GB/T276-1994	Ball Bearing 6306/P5	1
24	KM168F-01019	Air Cover	1
25	GB/T5789-1986	Bolt M6×12	1
26	KM168F-01008	Sheet Gasket	1
27	KM168F-01006	Cylinder Head Stud Bolt (long)	2
28	KM168F-01003	Cylinder Head Stud Bolt (short)	2
29	KM170F-01013	Cylinder Head Shim	1
30	KM170FA-01013	Cylinder Head Shim	1
31	KM168F-01005	Crankcase Cover Washer	4
32	KM168F-01004	Cylinder Head Nut (Thin)	2
33	KM168F-01007	Cylinder Head Nut (Thick)	1
34	KM168F-01015	Crankcase Cover Washer	1
35	KM168F-01014	Ball Bearing	1
36	KM168F-01016a	Crankcase Cover	1
37	KM170F-01016	Crankcase Cover	1
38	GB/T5789-1986	Oil Seal SG25×42×8(front)	1
39	GB/T5789-1986	Bolt M8×33.5	1
40	KM168F-01017	Hexagonal Internal Screw Plug	1
41	KM178F-G-01300	Oil Indicator	1
42	GB/T5789-1986	Bolt M6×25	1
43	GB/T119-1-2000	Pin 8×12	2
44	KM170F-01000	Block	1
45	GB/T276-1994	Ball Bearing 6205/P5	1

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

Ref No.	Parts No.	Description	Qty.
1	GB/T119-1986	Pin 3×16	1
2	KM168F-03001	Cylinder Head Cover	1
3	KM168F-03007	Breather Seal	1
4	GB/T1235-1976	O-Ring 12×1.9	1
5	KM168F-03003	Cylinder Head Cover Washer	1
6	KM170FA-03003	Cylinder Head Cover Washer	1
7	KM168F-01021	Plunger	1
8	KM168F-03004	Decompression Spring	1
9	KM168F-03100	Decompression Shaft Assem.	1
10	GB/T5789-1986	Bolt M6×55	2
11	KM168F-03005	Filler Screw Plug	1
12	KM168F-03000	Decompression Wire Sheath	2
13	KM168F-03100	Decompression Shaft Assem.	1
14	KM168F-03011	Decompression Wire	1
15	KM178F-G-03009	Outer Decompression Handle	1
16	KM178F-G-03008	Decompression Handle Support	1
17	GB/T5789-1986	Bolt M6×14	3
18	KM178F-G-03013	Outer Decompression Handle Sheath	1
19	GB/T6170-2000	Nut M6	1
20	KM170FA-03000	Bolt M6×55	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/T1096-1979	Key 5×14	1
5	KM168F-06001	Camshaft	1
6	KM170FA-06001	Camshaft	1
7	KM170FS-06001	Camshaft	1
8	KM170FS-06000	Camshaft	1
9	GB/T1096-1979	Key 5×30	1

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

Ref No.	Parts No.	Description	Qty.
1	KM168F-02014	Intake Pipe Shim	1
2	KM170FA-02014	Intake Pipe Shim	1
3	KM168F-02202	Cylinder Cover	1
4	KM170FA-02202	Cylinder Cover	1
5	KM168F-02004	Intake Valve	1
6	KM168F-02003	Exhaust Valve	1
7	KM168F-02203	Inlet Valve Seat	1
8	KM168F-02204	Exhaust Valve Seat	1
9	GB/T899-1988	Stud AM8×20	2
10	KM168F-02015	Muffler Shim	1
11	KM168F-02201	Valve Conduit	2
12	KM168F-02007	Valve Spring Gasket	2
13	KM168F-02006	Valve Conduit Oil Seal	2
14	KM168F-02005	Valve Spring	2
15	KM168F-02002	Valve Spring Seat	2
16	KM168F-02001	Valve Retaining Clip	2
17	KM168F-02016	Valve Adjusting Cushion	2
18	KM168F-02008	Valve Clearance Adjusting Nut	2
19	KM168F-02019	Valve Clearance Adjusting Locking Nut	2
20	KM168F-02012	Exhaust Valve Rocker Arm	1
21	KM170FA-02012	Exhaust Valve Rocker Arm	1
22	KM168F-02017	Set Bolt of Rocker Arm Seat	1
23	KM168F-02100	Rocker Arm Seal Assem.	1
24	KM170FA-02100	Rocker Arm Seal Assem.	1
25	KM168F-02013	Intake Valve Rocker Arm	1
26	KM170FA-02013	Intake Valve Rocker Arm	1
27	GB/T6177-1-2000	Nut M6	2
28	KM168F-02009	Fuel Injection Valve Retainer	1
29	KM168F-02018	Heat Insulating Gasket	1
30	KM168F-02011	Heat Insulator	1
31	GB/T900-1988	Stud AM6×50	1
32	GB/T900-1988	Stud AM6×65	2
33	GB/T900-1988	Stud AM6×55	2
34	GB/T5789-1986	Stud AM8×25	2
35	KM170FA-02000	Retainer Ring 12	2
36	GB/T894-1-1986	Pin 4×8	2
37	GB/T119-1-2000	Pin 4×8	2
38	GB/T5789-1986	Bolt M6×25	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-04100	Oil Ring Assem.	1
4	KM170F-04003	Piston	1
5	KM170FS-04003	Piston	1
6	KM170FA-04003	Piston	1
7	KM168F-04003	Piston Pin	1
8	GB/T893-1-1986	Retainer Ring 19	2
9	KM168F-04008	Connecting Rod Bolt	2
10	KM170FA-04204	Connecting Rod Bolt	2
11	KM168F-04007	Connecting Rod Bolt	2
12	KM170FA-04202	Connecting Rod Bolt	2
13	KM168F-04005	Connecting Rod Shaft Bushing	2
14	GB/T119-2-2000	Pin 3×10	2
15	KM168F-04009	Connecting Rod Cover	1
16	KM170FA-04203	Connecting Rod Cover	1
17	KM168F-04009	Connecting Rod Bolt Gasket	2
18	KM168F-04011	Connecting Rod Nut	2

(7) Air Intake System (KM168F-07000)

Ref No.	Parts No.	Description	Qty.
1	KM168F-07401	Inlet Pipe	1
2	KM170FA-07401	Inlet Pipe	1
3	KM168F-07402	Tightening Bolt of Air Cleaner	1
4	KM168F-07001	Air Cleaning Washer	1
5	KM168F-07300	Air Cleaning Bottom Case Assem.	1
6	GB/T6177-1-2000	Nut M6	4
7	KM168F-07303	Shockproof Sheet Gasket II	1
8	KM168F-07100	Air Cleaner Element Assem.	1
9	KM168F-07101	Shockproof Unit	1
10	KM168F-07203	Shockproof Sheet Gasket I	1
11	KM168F-07201	Sheet Gasket	1
12	KM168F-07202	Air Cleaner Cover	1
13	KM168F-07210	Shockproof Seal Assem.	1
14	GB/T62-1988	Nut M6	1

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

Ref No.	Parts No.	Description	Qty.
1	GB/T276-1994	Ball Bearing 6202/P5	2
2	KM168F-05001	Balance shaft	1
3	KM168F-05006	Key	2
4	KM170FS-05004	Drive Gear of Balance Shaft	1
5	KM168F-05007	Output End Set Bolt	1
6	GB/T93-1987	Gasket 8	1
7	KM168F-05005	Output End Gasket	1
8	KM168F-05203	Crankshaft Timing Gear	1
9	GB/T1096-1979	Key 5×30	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"	1
15	GB/T1096-1979	Key 5×12	2
16	KM168F-05102	Flywheel Tooth	1
17	KM170FS-05102	Flywheel Tooth	1
18	KM168F-05101	Flywheel	1
19	KM168F-05003	Flywheel Nut Gasket	1
20	KM168F-05002	Flywheel Nut	1
21	KM168F-05001	Starting Ratchet Reel	1
22	GB/T5789-1986	Bolt M6×12	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 3×5	1
3	KM170F-13007	Volt-adjustment Washer	As Required
4	KM170F-13006	Volt-adjustment Spring	1
5	KM170F-13005	Mandril	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/T6170-2000	Bolt M8	2
3	GB/T93-1987	Gasket 8	2
4	GB/T97-1-1985	Gasket 8	2
5	GB/T5789-1986	Bolt M6×14	2
6	KM168F-08000	Muffler Assem.	1
7	GB/T6170-2000	Nut M8	2
8	GB/T93-1987	Gasket 8	2
9	GB/T97-1-1985	Gasket 8	2
10	KM168F-08000	Muffler Assem.	1
11	GB/T5789-1986	Bolt M6×14	2

(11) Fuel System (KM168F-10000)

Ref No.	Parts No.	Description	Qty.
1	GB/T5789-1986	Bolt M8×45	1
2	KM168F-10003	Set Bolt of Fuel Tank Upper Support	1
3	GB/T7-1-1985	Gasket 8	1
4	KM168F-10001	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
10	GB/T5786-2000	Bolt M12×1.25×14	1
11	KM168F-10000	Fuel Tank Lower Support	1
12	GB/T5789-1986	Nut M6×14	2
13	GB/T6177-1-2000	Nut M6	2
14	KM168F-10400	Fuel Tank Switch Assem.	1
15	GB/T3452.1-1992	O-Ring 13.2×1.8	1
16	KM168F-10011	Clip	2
17	KM168F-10009	Fuel Pipe	1
18	KM168F-10007	Fuel Filter Washer	1
19	KM168F-10300	Element Assem.	1
20	KM168F-10200	Fuel Tank Weldment Assem.	1
21	KM168F-10004	Fuel Filter Screen	1
22	KM168F-10100	Fuel Tank Cap	1
23	KM168F-10500	High-pressure Fuel Pipe Unit	1
24	KM170F-10500	High-pressure Fuel Pipe Unit	1
25	KM170FA-10500	High-pressure Fuel Pipe Unit	1
26	KDE5000E-30000	Cushion	4
27	KDE5000E-30004	Sheath	4
28	KDE5000E-30005	Fuel Tank Weldment Assem.	1
29	KDE5000E-31000	Fuel Tank Cap	1
30	KM168F-10004	Fuel Filter Screen	1
31	KM168F-10004	Fuel Filter Screen	1
32	KDE5000E-32000	Fuel Indicator Assem.	1
33	GB/T93-1987	Spring Gasket 5	2
34	GB/T97-1-1985	Gasket 5	2
35	GB/T819-1-2000	Plus Screw M5×12	2
36	KM168F-10300	Element Assem.	1
37	KM168F-10007	Fuel Cleaner Washer	1
38	KDE5000E-31007	Joint Washer	1
39	KDE5000E-31006	Sealing Plate	1
40	GB/T819-1-2000	Plus Screw M5×8	3
41	GB/T3452.1-1992	O-Ring 13.2×1.8	1
42	KM168F-10400	Throttle Switch Assem.	1
43	GB/T16187-1986	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	Fuel Delivery Valve Spring	1
4	KM170F-12011	High-pressure Sheet Gasket 2	1
5	KM170F-12100	Fuel Delivery Assembly	1
6	KM170F-12400a	Fuel Filled Pipe	1
7	KM170F-12200	FIP block Plunger Assem	1
8	KM170F-12004	Adjusting Washer	As Required
9	GB/T879-1986	Pin 2×6	1
10	KM170F-12005	FIP Connecting Plate	1
11	KM170F-12006	Fuel Limiting Sheath	1
12	GB/T879-1986	Pin 3×8	1
13	KM170F-12007	Support	1
14	KM170F-12008	Spring	1
15	KM170F-12009	Spring Holder	1
16	KM170F-12300a	Tappet	1
17	KM170F-12000	Fuel Injection Pump Assem	1

(10) Lubricating System (KM168F-09000)

Ref No.	Parts No.	Description	Qty.
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