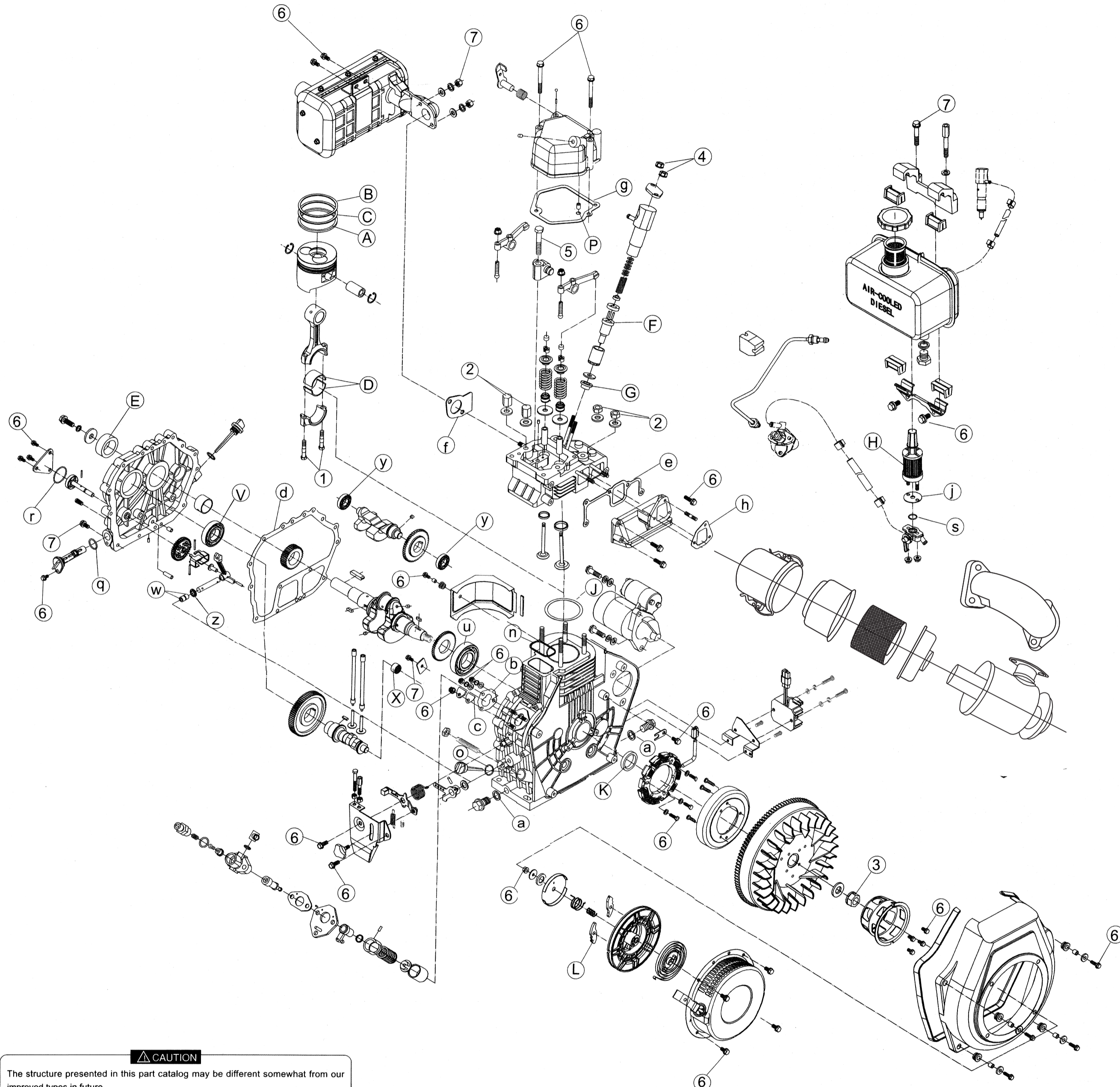


# PARTS CATALOG

## KM195F



**CAUTION**  
The structure presented in this part catalog may be different somewhat from our improved types in future.  
Then You'd better refer parts catalog to the operation manual when using.

**WARNING**  
CAUTION  
EXTREMELY DANGEROUS

**DO NOT START**  
CAUTION

**TAGS**

Ref No.	Part No.	Description	Qty
1	KM170F-1800A	Trade Operation Tag	1
2	KM170F-1800B	Start Operation Tag	1
3	KM170F-1800C	Caution Tag	1
4	KM195F-1800T	Model Tag II	1
5	KM170F-1800S	Warning Tag	1
6	KM170F-1801Z	Air Cleaner Tag	1
7	KM170F-18013	Oil Seal/Change Engine Tag	1

**EASY DESTROYED PARTS**

Ref No.	Part No.	Description	Qty	Mounted to
A	KM186F-04100	First Air Ring	1	(4)Platon & Connecting Rod Assem.
B	KM186F-04001	Second Air Ring	1	(4)Platon & Connecting Rod Assem.
C	KM186F-04002	Oil Ring Unit	1	(4)Platon & Connecting Rod Assem.
D	KM186F-04005	Connecting Rod Bushing	2	(4)Platon & Connecting Rod Assem.
E	GB17877-11988	Oil Seal Sg35 x 50 x 8	2	(1)Cylinder Block Assem.
F	11.433.172.001	Nozzle	1	(8)Fuel Injector Valve Assem.
G	KM170F-02011	Heat Insulator	1	(2)Cylinder Head Assem.
H	KM186F-10300	Element Unit	1	(1)Fuel System
I	KM186F-07100	Air Cleaning Element Unit	1	(1)Air Intake System
J	KM186F-01013	Cylinder Head Gasket	1	(1)Cylinder Block Assem.
K	GB19877-11988	Oil Seal Sg35 x 50 x 8	1	(1)Cylinder Block Assem.
L	KM186F-14008	Starter Ratchet	2	(14)Manual Starting Assem.

**O-RINGS**

Ref No.	Part No.	Description	Qty.
m	KM186F-01008	Sheet Gasket	1
o	GB17235-1976	O-Ring 22.5 x 2.4	2
p	GB17235-1976	O-Ring 12 x 1.9	1
q	GB17235-1976	O-Ring 34 x 1.8	1
r	GB173452-11992	O-Ring 13.2 x 1.9	1

**BEARING**

Ref No.	Part No.	Description	Qty
u	GB17276-1994	Ball Bearing 6308PS	1
w	GB17290-1989	Needle Bearing 79418	2
x	GB17290-1989	Needle Bearing HK1512	1
y	GB17276-1994	Ball Bearing 6203PS	2

**OIL SEAL**

Ref No.	Part No.	Description	Qty
a	KM170F-01100	Washer Unit of Drain Plug	2
b	KM170F-10016	Joint Washer	1
c	KM186F-01015	Crankcase Cover Washer	1
d	KM186F-02014	Intake Pipe Washer	1
e	KM186F-02015	Exhaust Pipe Washer	1
f	KM186F-03003	Cylinder Head Cover Washer	1
g	GB19877-11988	Standard Bolt / Nut M6	7-11
h	KM186F-07001	Air Cleaner Washer	1
i	KM170F-10007	Fuel Filter Washer	1

**FASTENING TORQUE OF MAIN BOLT&NUT**

Ref No.	Description	Torque
①	Connecting Rod Nut	40-45
②	Cylinder Head Nut	70-75
③	Flywheel Nut	180-200
④	Nozzle Retainer Nut	7-11
⑤	Sat Bolt of Rocker Arm Seat	30-33
⑥	Standard Bolt / Nut M6	7-11
⑦	Standard Bolt / Nut M8	20-23

**WASHER KIT**

Ref No.	Part No.	Description	Qty
a	KM170F-01100	Washer Unit of Drain Plug	2
b	KM170F-10016	Joint Washer	1
c	KM186F-01015	Crankcase Cover Washer	1
d	KM186F-02014	Intake Pipe Washer	1
e	KM186F-02015	Exhaust Pipe Washer	1
f	KM186F-03003	Cylinder Head Cover Washer	1
g	GB19877-11988	Standard Bolt / Nut M6	7-11
h	KM186F-07001	Air Cleaner Washer	1
i	KM170F-10007	Fuel Filter Washer	1

**(1) Cylinder Block Assembly (KM195F-01000)**

Ref No.	Parts No.	Description	Qty
1	KM170F-01016	Drain Plug Screw	2
1-1	KM186F-01008	Connecting Unit of Drain Plug	2
2	KM170F-01100	Washer Unit of Drain Plug	2
3	GB17877-11988	Oil Seal Sg35 x 50 (Inlet)	1
4	KM186F-01001	Cylinder Block	1
5	GB17290-1989	Needle Bearing 79418	2
6	GB17235-1976	O-Ring 22.5 x 2.4	2
7	KM178F-01002	Oil Dipstick	1
8	KM178F-01000	Fuel Controller Assem.	1
9	GB17617-2000	Nut M10 x 1.25	1
10	KM170F-01012	Forging Stud/Fuel Injector Pump: Inlet	1
11	KM178F-01011	Forging Stud of Fuel Injector Pump: Pump	2
12	KM178F-10014	Fuel Injector Pump Washer	2-3
13	KM170F-10016	Joint Washer	1
14	KM170F-10015	Sheet Plate	1
15	GB17617-1-1985	Gasket 6	2
16	GB17617-2000	Nut M6	2
17	GB17617-2000	Nut M6	2
18	GB17617-2000	Nut M6	2
19	GB17390-1989	Needle Bearing HK1512	2
20	KM170F-01009	Thrust Plate	1
21	GB17390-1989	Bolt M6 x 12	1
22	GB17276-1994	Ball Bearing 6308PS	1
23	KM178F-01203	Cushion blocking	1
24	KM186F-01211	Governor	1
25	KM178F-01201	Vibration isolation cushion block	1
26	KM186F-01202	Sheath	1
27	GB17390-1989	Bolt M6 x 8	1
28	KM186F-01003	Cylinder Head Stud Bolt (short)	1
29	KM186F-01006	Cylinder Head Stud Bolt (long)	2
30	KM186F-01008	Sheet Gasket	1
31	KM186F-01013	Cylinder Head Shim	1
32	KM186F-01005	Cylinder Head Nut Gasket	4
33	KM186F-01004	Cylinder Head Nut (Thin)	2
34	KM186F-01007	Cylinder Head Nut (Thick)	2
35	KM186F-01015	Crankcase Cover Washer	1
36	GB17276-1994	Ball Bearing 6202PS	1
37	KM186F-01014	Ball Bearing	1
38	GB17877-11988	Oil Seal Sg35 x 50 (Bottom)	1
39	KM170F-01017	Oil Indicator	1
40	KM186F-01003	Hexagonal Internal Screw Plug	1
41	KM186F-01016	Ball Bearing	16
42	GB17390-1989	Bolt M6 x 3.5	1
43	KM186F-01016	Crankcase Cover	1
44	KM186F-S-01016	Crankcase Cover	1
45	GB17115-2000	Pin 8 x 12	2
1	KM186F-01002	Block	1

**(2) Cylinder Head Assem. (KM195F-02000)**

Ref No.	Parts No.	Description	Qty
1	KM186F-02014	Intake Pipe Shim	1
2	KM186F-02004	Intake Valve	1
3	KM186F-02003	Cylinder Cover	1
4	KM186F-02004	Exhaust Valve Seat	1
5	KM186F-02003	Intake Valve Seat	1
6	KM186F-02004	Exhaust Valve Seat	1
7	KM186F-02015	Exhaust Pipe Washer	1
8	KM186F-02011	Valve Control	1
9	GB17119-12000	Pin 4 x 5	1
10	KM186F-02011	Valve Spring Gasket	2
11	KM186F-02019	Valve Condulet Oil Seal	1
12	KM186F-02002	Valve Spring Seat	2
13	KM186F-02002	Valve Retaining Cup	2
14	KM186F-02016	Valve Adjusting Cushion	2
15	KM186F-02008	Valve Retaining Cup	2
16	KM178F-02019	Valve Clearance Adjusting Bolt/ Nut	2
17	KM186F-02012	Exhaust Arm Seal	1
18	KM186F-02017	Set Bolt of Rocker Arm Seat	1
19	KM186F-02006	Rocker Arm Seal	1
20	KM186F-02013	Intake Valve Rocker Arm	1
21	GB17117-12000	Pin 4 x 5	1
22	KM178F-02009	Fuel Injector Valve Retainer	1
23	KM186F-02009	Drive Gear of Lub Oil Pump	1
24	KM178F-02011	Heat Insulator	1
25	GB17390-1989	Stud Arm 6 x 75	2
26	GB17390-1989	Stud Arm 6 x 75	2
27	KM178F-02020	Bolt M6 x 12	2
28	KM186F-02020	Block	1
1	KM186F-02105	Rubber plug	1

**(9) Muffler Assem. (KM195F-08000)**

Ref No.	Parts No.	Description	Qty
1	KM186F-08000	Muffler Assem.	1
2	GB17617-2000	Bolt M8	2
3	GB1793-1987	Gasket 8	2
4	GB1797-1-1985	Gasket 8	2
5	GB17589-1986	Bolt M8 x 14	2

**(10) Lubricating System (KM195F-09000)**

Ref No.	Parts No.	Description	Qty
1	GB17589-1986	Bolt M6 x 12	3
2	KM170F-09003	Lube Oil Pump Cover	1
3	GB173452-11992	O-Ring 34 x 1.8	1
4	GB17119-1988	Pin 3 x 1.6	1
5	KM170F-09100	Engine Oil Pump Unit	1
6	KM178F-09002	Drive Gear of Lub Oil Pump	1
7	KM170F-11001	Flying Weight	2
8	KM170F-11002	Flying Weight Pin	2
9	GB17235-1976	O-Ring 5 x 2.4	1
10	KM178F-09200	Lube Oil Filter Assem.	1
11	GB17589-1986	Bolt M6 x 4	1

**(15) Starting Motor Assem.**

Ref No.	Parts No.	Description	Qty
1	KM186F-15100	Starting Motor Assem.	1
1-1	KM170F-15003	Engine motor hole cover board	1
2	GB17362-2000	Bolt M10 x 12	2
2-2	GB17362-2000	Bolt M10 x 12	2
3	GB1793-1987	Spring Gasket 10	2
4	GB1797-1-1985	Gasket 10	2

**(16) Flywheel Alternator Assem.**

Ref No.	Parts No.	Description	Qty
1	GB17589-1986	Bolt M6 x 8	2
2	KM170F-11001	Switch Board of Electric Starter	1
3	KM170F-11002	Long Gasket	2
4	KM170F-11000	Starting Key Assem.	1
5	KM170F-11000	Rotator Assem.	1
6	GB17617-2000	Bolt M6 x 14	3
7	GB17589-1986	Bolt M6 x 20	3
8	GB1797-1-1985	Gasket 6	5
9	KM178F-11000	Stator Assem.	1
10	KM170F-11001	Retainer	1
11	GB17589-1986	Screw M6 x 12	1
12	KM170F-11001	Support of Governor	1
13	GB17589-1986	Screw M6 x 14	2
14	KM170F-11000	Volt Regulator Assem.	1
15	GB1793-1987	Gasket 6	2
16	GB17618-1986	Bolt M6 x 14	2

**(17) Fan Cover Assem. (KM195F-17000)**

Ref No.	Parts No.	Description	Qty
1	KM186F-17003	Cushion	1
2	KM186F-17100	Fan Cover Weldment Assem.	1
3	KM186F-17100	Fan Cover Weldment Assem.	1
2-1	KM186F-17100	Fan Cover Weldment Assem.	1
4	KM170F-11000	Cushion Sheath	4
5	GB17618-1986	Gasket 6	4
6	GB17589-1986	Bolt M6 x 22	4

**(3) Cylinder Head Assem. (KM195F-03000)**

Ref No.	Parts No.	Description	Qty
1	GB17305-1989	Steel Ball 1 #G200	1
2	GB17305-1989	Multi-hole 3 x 13.8	1
3	KM186F-03001	Cylinder Head Cover	1
4	KM170F-03007	Breather Seat	1
5	GB17235-1976	O-Ring 12 x 1.9	1
6	KM186F-03003	Cylinder Head Cover Washer	1
7	KM170F-01021	Plunger	1
8	KM170F-03004	Decompression Spring	1
9	KM170F-03100	Decompression Shaft Assem.	1
10	GB17589-1986	Bolt M6 x 70	2

**(4) Platon/Connecting Rod Assem. (KM195F-04000)**

Ref No.	Parts No.	Description	Qty
1	KM186F-04001	First Air Ring	1
2	KM186F-04002	Second Air Ring	1
3	KM195F-04100	Oil Ring Assem.	1
4	KM186F-04003	Platon	1
5	KM195F-04004	Piston Pin	1
6	GB17893-1-1986	Retainer Ring 23	2
7	KM186F-04007	Connecting Rod Bolt	1
8	KM195F-04005	Connecting Rod Ball Bushing	2
9	KM186F-04006	Connecting Rod Cover	1
10	KM186F-04008	Connecting Rod Bolt	2

**(5) Crankshaft & Flywheel Assem. (KM195F-05000)**

Ref No.	Parts No.	Description	Qty
1	GB17276-1994	Ball Bearing 6202PS	2
2	KM186F-05301	Balance shaft	1
3	KM186F-05008	Key	1
4	KM186F-05004b	Timing Gear of Balance Shaft	1
5	KM186F-05007	Output End Set Bolt	1
6	GB1793-1987	Gasket 10	1
7	KM178F-05006	Output End Gasket	1
8	KM186F-05203	Crankshaft Timing Gear	1
9	GB171096-1979	Key 6 x 50	1
10	KM186F-05201	Crankshaft	1
11	KM186F-05201	Crankshaft	1
12	KM186F-05201	Crankshaft	1
13	KM186F-05201	Crankshaft	1
14	KM186F-05201	Crankshaft	1
15	KM186F-05102	Flywheel Tooth	1
16	KM186F-05102	Flywheel Tooth	1
17	KM186F-05101	Flywheel	1
18	KM186F-05003	Flywheel Nut Gasket	1
19	KM186F-05002	Flywheel Nut	1
20	KM186F-05001	Staring Ratchet Wheel	1
21	GB17576-1986	Bolt M6 x 12	4

**(11) Fuel System (KM192F-10000)**

Ref No.	Parts No.	Description	Qty
1	GB17589-1986	Bolt M6 x 45	1
2	KM170F-10003	Set Bolt of Fuel Tank Upper Support	1
3	GB1797-1-1985	Gasket 8	1
4	KM186F-10001	Fuel Tank Upper Support	1
5	KM170F-10002	Cushion	4
6	KM170F-10012	Fuel Return Pipe	1
7	KM170F-10012	Fuel Return Pipe	1</