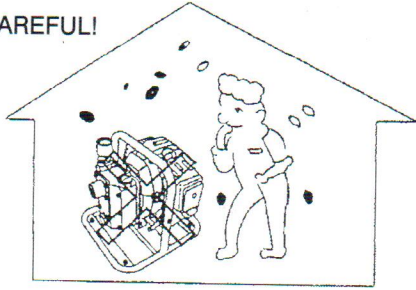


WATER PUMP SET

OWNER'S MANUAL

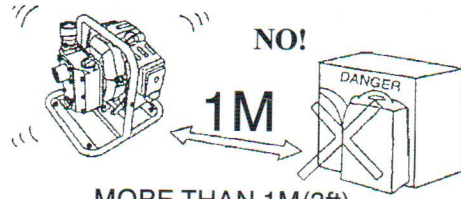
GENERAL SAFETY

BE CAREFUL!



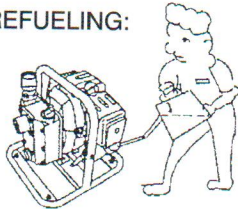
NO USE IN HOUSE!

KEEP IN FLAMMABLE MATERIAL AWAY

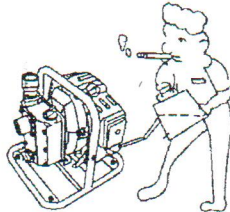


MORE THAN 1M(3ft)

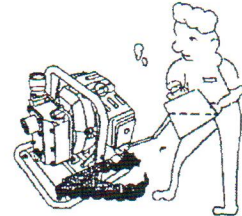
WHEN REFUELING:



STOP ENGINE!



NO SMOKING!

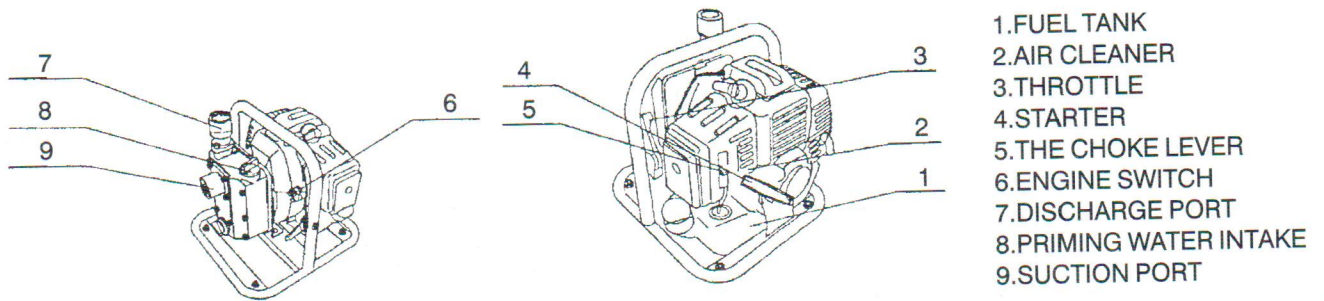


DO NOT SPILL!

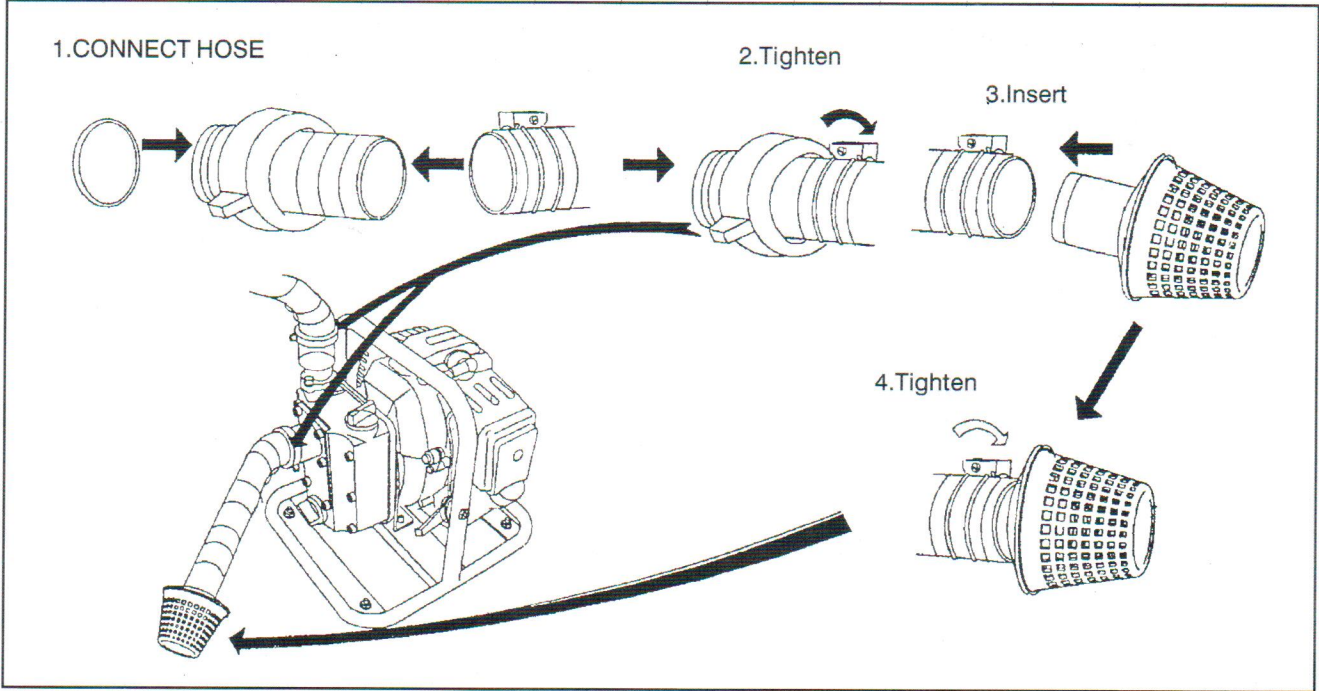
GENERAL SAFETY

1. Water pump sets transport water, such as irrigation should be according to the requirement of Standards of irrigation water quality, the temperature of water should less than 40 °C
2. Gasoline Engine should be steady operate at normal temperature(268~313K), Atmospheric pressure $\leq 89.8\text{Kpa}$; relative humidity $\leq 60\%$
3. Water pump set be steady at 10° perpendicularity or level Operation

CONSTRUCTION

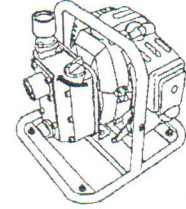
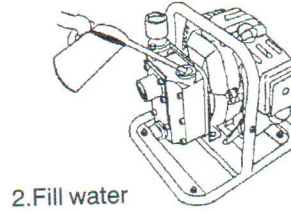
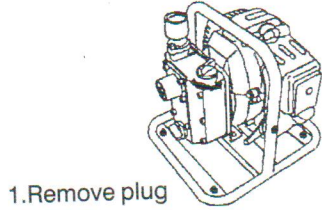


ASSEMBLE

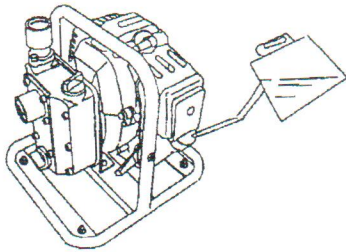


PRE-OPERATION CHECK

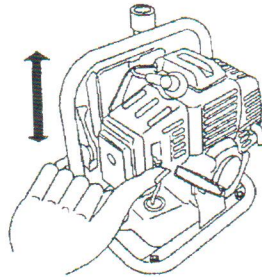
2. FILL PRIMING WATER



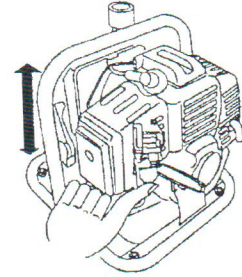
STARTING THE ENGINE



Use the mixture of the gasoline and two-stroke engine oil, the volume ratio is 25~30:1



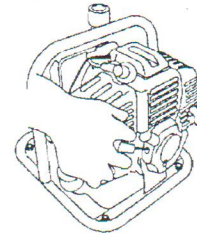
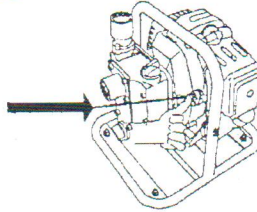
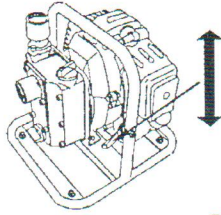
1. Close the chock totally
2. If the engine is heated, the chock must be totally opened



Press the priming pump several times until a fuel flow in the fuel return tube is visually noticed

STARTING THE ENGINE

1. When the engine is heated enough, adjust the throttle handle to the corresponding according to needed speed
2. DON'T accelerate abruptly due to bad lubrication of the engine at the beginning of startup
3. Avoid the speedy idle motion and over speed motion, If the throttle is totally opened, the engine will run over speed, which not only shortens the service life of the engine but also causes more problems in the engine.



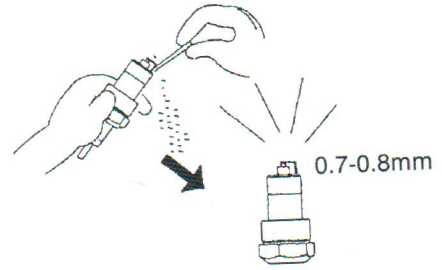
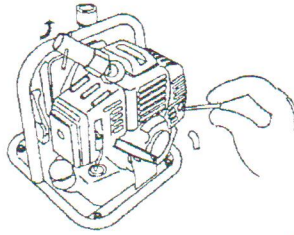
1. Draw the starter several times slowly, and then draw quickly
2. After the engine starts, run 3~5 minutes at allowed speed

1. Reduce the gasoline engine to the slowest speed and run 3~5 minutes
2. Press the stop switch and stop the engine

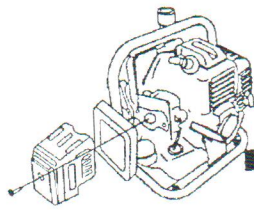
PERIODIC MAINTENANCE

1. Clean the accumulated carbon in the spark plug
2. Clean the accumulated carbon both in the intake and in the exhaust of the muffler
3. Clean the accumulated carbon both in the combustion chamber and in the exhaust of the cylinder

NO GOOD CONDITION
REMOVE SPARK PLUG



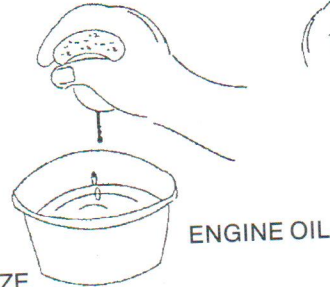
AIR CLEANER NO GOOD CONDITION



Check after running 50 hours

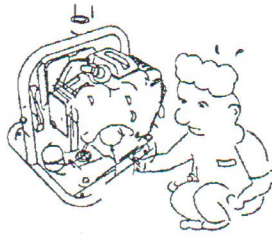
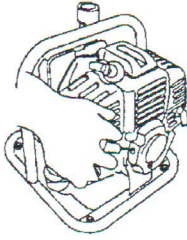


SOAK → SQUEEZE

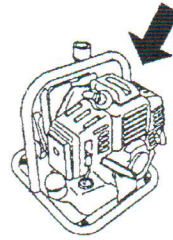
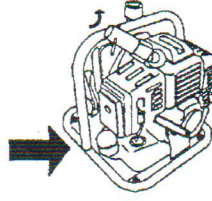


TROUBLE SHOOTING

ENGINE NOT START



CHECK FUEL
Gasoline mixed
with water, replace

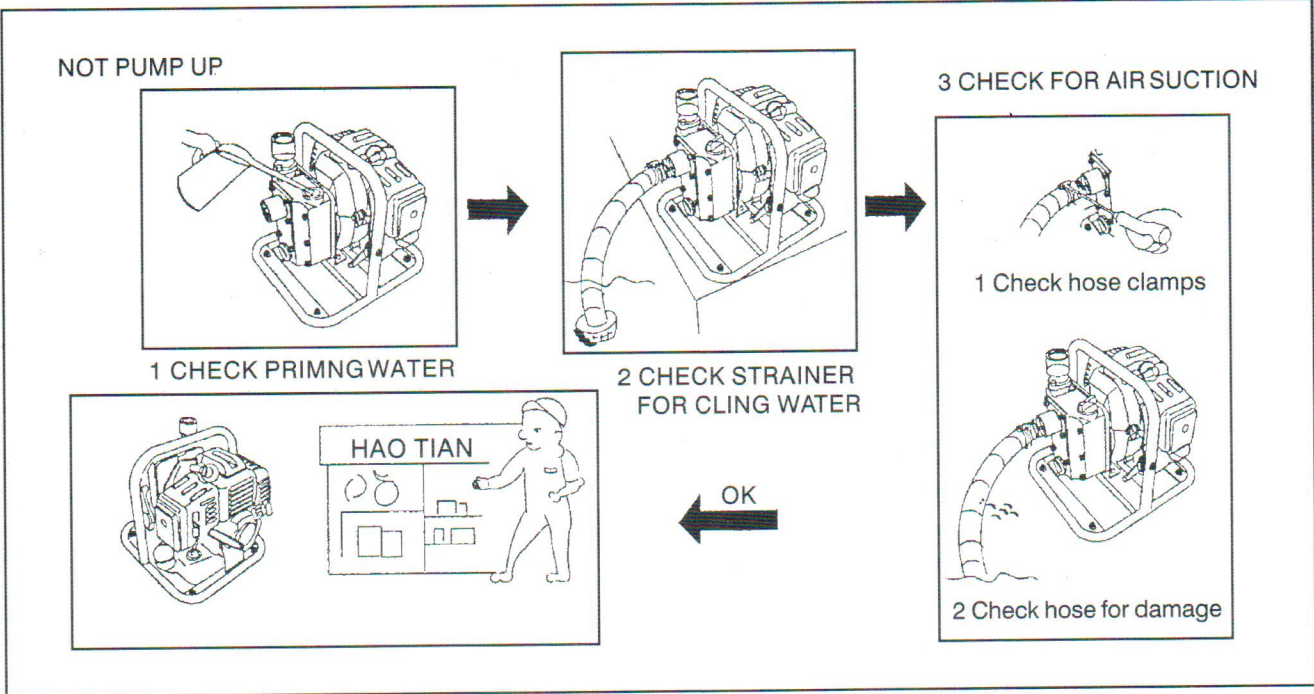


CHECK SPARK

1. The spark plug has accumulated carbon or has been broke through
2. Poor contact of the high-voltage wire with the spark plug

1. The choke is open totally or not
2. Maybe the fuel strainer is blocked by dusts
3. The air hole of the tank lid is blocked by dusts
4. The ratio of the engine oil and the gasoline is normal or not
5. The crankcase or the top of the shaft has oil leakage and air leakage
6. The piston. The piston ring and the cylinder have been badly worn out

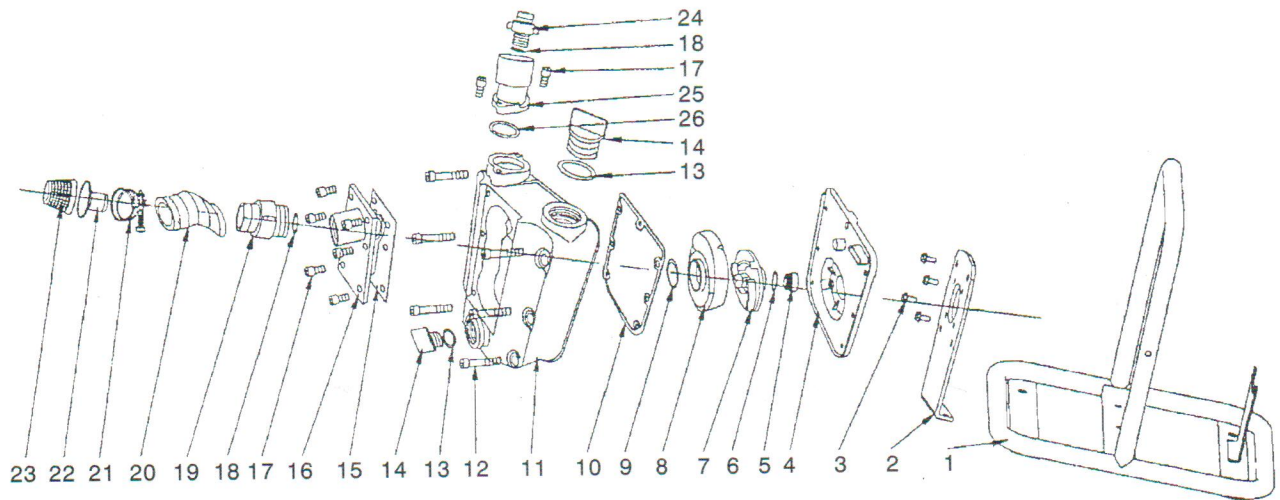
TROUBLE SHOOTING



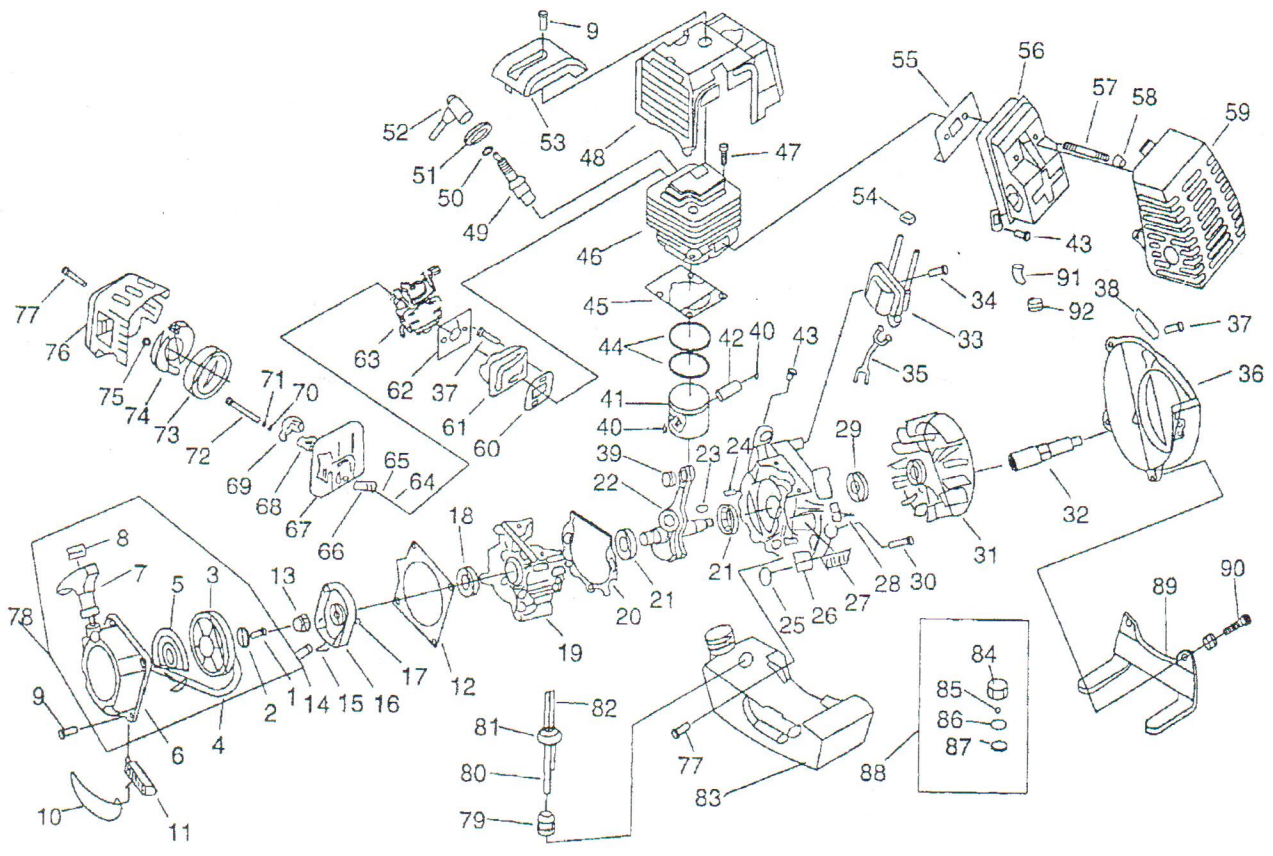
STORAGE

If the gasoline engine isn't used for a long time, it must be maintained as follows;

1. Remove the fuel in the tank and in the carburetor, close the chock totally, draw the starter 3~5times
2. Take down the spark plug, add certain engine oil from the spark plug hole into the cylinder, and draw the starter 2~3times to move the piston to the top dead center, the install the spark plug
3. Use the soft cloth with engine oil to clean the surface of the engine put the engine to the dry and windy place for the next use



No.	Nnme	Amount	No.	Nnme	Amount	No.	Nnme	Amount
1	frame	1	10	Seal packing	1	19	Joint	1
2	Plate	1	11	Pump cover	1	20	Pipe	1
3	Flange bolt M6 × 12	4	12	Hexagon screws M6 × 55	6	21	Tabc clip	1
4	Pump Supporter	1	13	"O"SEAL ø 4 × ø 25	2	22	Strainer supporter	1
5	Seal for pump supporter	1	14	Plug	2	23	Strainer	1
6	Impeller seals	1	15	Non-return vale	1	24	Joint	1
7	Impeller	1	16	Flume	1	25	Elbow drart tube	1
8	Spiral case	1	17	Hexagon screws M6 × 16	8	26	"O"SEAL ø 4 × ø 26	1
9	"O"SEAL ø 4 × ø 36	1	18	Head Seal packing	2			



1E40F GASOLINE ENGINE

NO.	Part NO.	Part Name	Qty.	NO.	Part NO.	Part Name	Qty.	NO.	Part NO.	Part Name	Qty.
1	GB.T67	ScrewM5 x 12-9.8-DZ	1	32		Output the stalk	1	63	1E40F-5A.8	Carburetor	1
2	1E40F-5.11-2	Washer	1	33		Ignition Coil Comp	1	64	GB/T845	Screw ST2.9 x 6.5	1
3	1E40F-5.11-1	Start Rope Reel	1	34	GB/T9074.13	Boit M5 x 20	2	65	GB/T97.1	Washer 3	1
4		Pope	1	35	1E40F-5.3.1	Cord Comp	1	66	1E40F-5A.1.1-1	Choke Handle	1
5	1E40FP-3Z.4-75	Recoil Spring	1	36	1E40F-5-9	Fan cover	1	67	1E40F-5A.1.1.1	Inside Cover	1
6	1E40F-5.11-1	Start Cover Assy	1	37	1E40F-5-9	BoitM5 x 25	4	68	1E40F-5A.1.1-2	Choke	1
7	1E40FP-3Z.4-2	Start Handle	1	38	1E40F-3A.9	Clip	1	69	1E40F-5A.1.1.2	Baffle	1
8	1E40FP-3Z.4-10	Ring	1	39	1E40F-5.4-2	Bearing	1	70	GB/T97.1	Washer 5	2
9	GB/T9074.4	ScrewM5 x 25	5	40	1E40F-03.02.01	Ring	2	71	GB/T93	Washer 5	2
10	1E40F-5A-4	Stand	1	41	1E40F-5.4-1	Piston	1	72	GB/T70.1	Screw M5 x 55	2
11	1E40F-5A-2	Rubber Cover	1	42	1E46FP.6-3	Piston Pin	1	73	1E34F.1-1	Filter Net	1
12	1E40F-5-10	Gasket	1	43	GB/T9074.4	Bolt M x 12	3	74	1E40F-5A.1-2	Inside Cover	1
13	GB/T6170	Nut M8	1	44	1E40FP-3Z.3-5	Piston Ring	2	75	GB/T3452.1	0-Washer3.15 x 1.8	1
14	1E46FP.4-2	Start Claw	1	45	1E40F-5-6	Gasket	1	76	1E40F-5A.1-1	Outside Cover	1
15	1E36F.1.2-2	Start Spring	1	46	1E40F-5-4	Cylinder	1	77	GB/T9074.4	ScrewM5 x 16	3
16	1E40F-5.7-1	Stop Reel	1	47	GB/T70	Screw M5 x 20	4	78	1E40F-5.1.1	Starter	1
17	GB/T896	Stop Ring 4	1	48	1E40F-5.5	Guide Cover Assy	1	79	1E34F.9.2-3	Cleaner Cover	1
18	1E36F.2	Oil-seal	1	49	L6(LD)	Spark plug	1	80	1E40F-5A.4.2-2	Fuel Pipe	1
19	1E40F-5.8-2	Crank Case	1	50		Spring	1	81	1E36FF.8.1-1	Plug	1
20	1E40F-5.8-4	Gasket	1	51		Plug Cap	1	82	1E40F-5A.4.2-1	Fuel Pipe	1
21	GB/T276	Bearing6202/P4	2	52		Cap	1	83	1E40F-5A.4.1	Fuel Tank	1
22	1E40F-5.4.1	Crank Shaft	1	53	1E40F-5-8	Cover	1	84	EB-415.4.1.1-2	Fuel Tank Lid	1
23	GB/T1099	key3 x 5 x 13	1	54	1E40F-5.3-1	Plug	1	85	EB-415.4.1.1-1	Inlet	1
24	GB/T119	Pin B5 x 12	2	55	1E40F-5-5	Gasket	1	86	EB415.4.1.1-3	Stand	1
25	1E40F-5A-3	Rubber Washer	2	56	1E40F-5.2	Muffler	1	87	EB415.4.1.1-2	Gasket	1
26	1E40F-5.8-1	Crank Case	1	57	1E40F-5-13	Bolt	2	88	EB415.4.1	Lid ASS'Y	1
27	1E40F-5.8-3	Guide cover	1	58	GB/T677	Nut M6	2	89	1E40F-5A.3	Stand	1
28	GB/T119	Pin B4 x 10	2	59	1E40F-5-7	Muffler Cover	1	90	GB/T9074.13	Screw M5 x 30	2
29	1E40F-5.9	oil-seal	1	60	1E40F-5-2	Gasket	1	91	1E40F-5.10-1	Outlet	1
30	GB/T9074.4	ScrewM5 x 30	4	61	1E40F-5A.2	Admitting Pipe	1	92	1E40F-5.10-2	Stop Ring	1
31		MAGNETO ROTOR COMP	1	62	1E40F-5A-1	Gasket	1				