

3WF-3 -SM -02

ASPERO[®]

KNAPSACK POWER MINI-DUSTER

USER'S MANUAL

3WF—3

3WF—3A

3WF—2.6

3WF—2.6A

2010.09

www.dejedamachine.com

Warning to users

* * The engine must use mixed fuel. The ratio between gasoline and oil is determined by the oil for gasoline is No.70 or No.90 and the oil should be two-stroke oil for gasoline engines (It is strictly prohibited to use the other kinds of oil).

* * The engine should run without load for 3—5 minutes after start and before stop. It is strictly prohibited that the engine runs at high speed without load in order to avoid the damage of the engine parts and the harm of body. It is also strictly prohibited to stop the engine suddenly at high speed.

* * To prevent fire, the engine must stop and be far away from fire sources when adding fuel .Smoking is strictly prohibited!

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Technical specification

Name		3WF—3	3WF—3A	3WF—2.6 A	3WF—2.6
Specification					
Overall dimensions (mm)		420×500×690	420×500×800	410×500×755	410×500×645
Net weight(kg)		11	11.5	11	10.5
Capacity of tank(L)		14	20/26	20/26	14
Discharge rate of chemical	Spray mixture (L/min)	≥4	≥4	≥2.3	≥2.3
	Dust (kg/min)	≥6	≥6	≥6	≥6
Range		≥11	≥11	≥12	≥12
Volume ratio of mixture fuel between petrol and mobile oil		Determined by the oil instruction			
Fan speed(r/min)		7500	7500	6000	6000
Engine model		1E40FP-3Z	1E40FP-3Z	1E40FP-3Z	1E40FP-3Z
Way of ignition		CDI	CDI	CDI	CDI
Recoil starting		Recoil starting	Recoil starting	Recoil starting	Recoil starting
Way of stopping		Type of full shut fuel throttle	Type of full shut fuel throttle	Type of full shut fuel throttle	Type of full shut fuel throttle

Main uses

Knapsack power sprayer is portable, flexible and high-efficient equipment for use in prevention of plant diseases and controlling pests in large plantations and crop fields where cotton, wheat, paddy, fruit trees, etc. are planted. It can also be used for applying herbicides, sanitation and epidemic and prevention, spreading granular fertilizer and granular chemicals, etc. This machine can also be suited for use in mountain area, hilly land and old pieces of land.

Main Features

1. The main parts of the machine are all made of plastic, so the machine has light weight.
2. The construction design of the machine is unique. The parts contacted with chemical are all made of reinforced plastic or stainless steel, thus it has the property of anti-corrosion and long life in use.
3. The dimensions of the mouth on the chemical tank is big, thus to fill the chemical is easy and chemical in bags can be directly poured into the hole.
4. The dimension of lower part of the frame is bigger and the center of gravity of the machine is low, so the stability of the machine is good.
5. Recoil starting engine is adopted, so it is easy for operation. There are protective structures for the high temperature components and it is safe for use.
6. The rotating structure is used in the connection between hose and fan casing, it is easy for operating. The hose has long life in use.

Assembly for Varieties of Operating Condition

1.Assembly for spraying

- 1) Remove the tow wing nuts fixed on the chemical tank and take down the tank. Change dusting lid plate for spraying lid plate, then assemble the chemical tank and screw down wing nuts as shown in Fig.1.

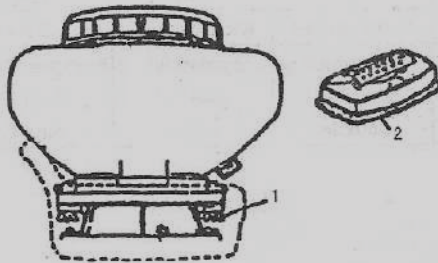


Fig.1

1.Nut

2.Dusting Plate

2) Assembly in chemical tank

Remove the lower cover of chemical tank, change into the pressing lid which is connected with rubber tube (do not forget to put on the sealing ring, as Fig.3). Connect the lid to the rubber tube as shown in Fig.2.

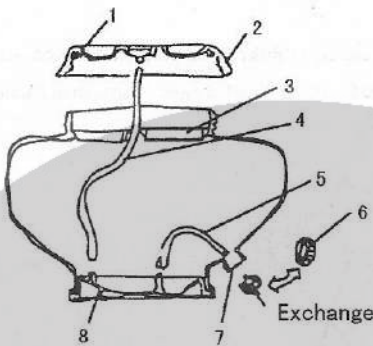


Fig.2

- 1.Sealing washer
- 2.Lid
- 3.Filter net
- 4.Tube
- 5.Rubber tube
- 6.Lower Lid
- 7.Discharge opening
- 8.Spraying plate

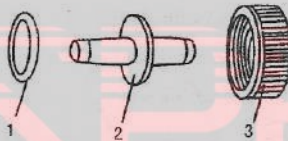


Fig.3

- 1.Sealing washer
- 2.Connector
- 3.Pressing lid

3) Connect spraying pipe to the machine as shown in Fig.4.

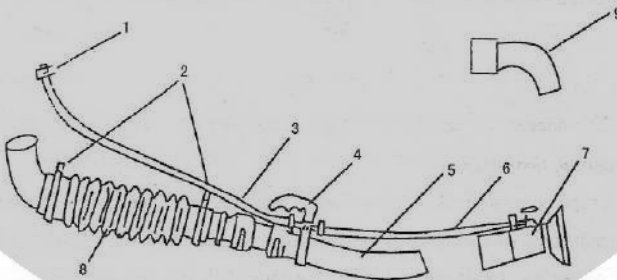


Fig.4

- 1.Clip(A)
- 2.Clip(B)
- 3.Plastic tube
- 4.Handle
- 5.Bentpipe
- 6.Plastic pipe
- 7.Nozzle
- 8.Hose
- 9.Pipe

2. Assembly for dusting

Remove the chemical tank, take down the inlet rubber tube, outlet rubber tube, strainer, spraying lid plate, pressing lid and union, change for lower lid of chemical tank, then connect the dusting pipe as Fig.5 and Fig.6.

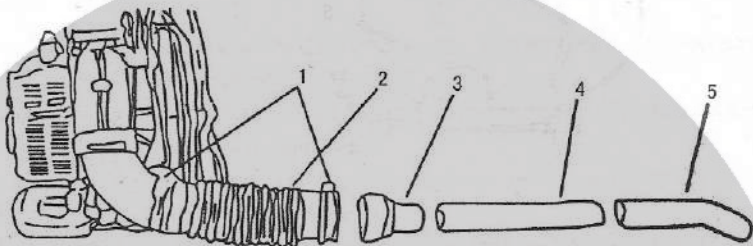


Fig.5

1.Clip 2.Hose 3.Union 4.Connecting pipe 5.Dusting pipe

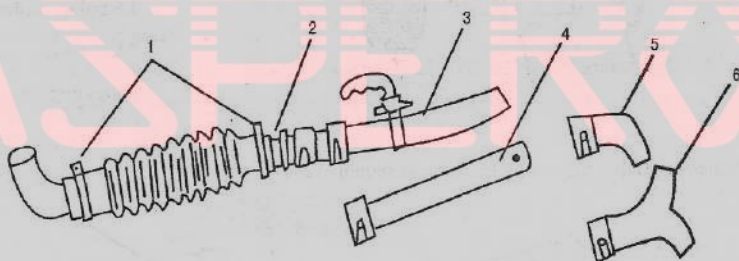


Fig.6

1.Clip(B) 2.Connector 3.Bentpipe 4.Connecting pipe 5.L-Pipe 6.Y-Pipe

3.Anti-electrostatic installation

Dusting or spreading granules chemical may cause the electrostatics that is related to the factors, such as the kind of chemicals, air temperature, air humidity, etc. In order to prevent electrostatics, please use the attachment-insurance chain. When the air becomes dryer, the electrostatic is serious, in particular when the long membranous tube for dusting and granules spreading in used, electrostatic will often happen. Please pay attention.

Assembly as Fig 7.

One end of insurance chain is inserted in jet pipe, vibrated freely and touched to the ground.

Connect another end conducting wire, then fix conducting wire and insurance chain on bend pipe by screw.

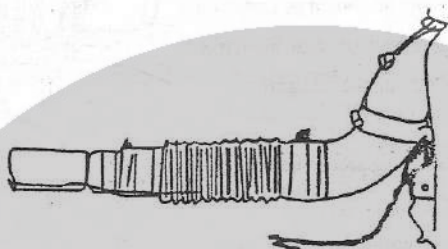


Fig.7

Rotation

1. Check

- 1) Check if there is loose of sparking plug, etc.
- 2) Check if the air cooling opening is blocked to avoid over-heating during rotation.
- 3) Check if air filter is dirty to avoid bad rotation and over-waste of fuel caused by quality of incoming gas.
- 4) Check if the gap of the sparking plug is 0.6-.07mm.
- 5) Pull the starter for 2—3times to see if engine is in normal operation.

2.Adding chemical

- 1) Adding fuel must be done at the state of the engine stop
- 2) The gasoline should be No.70 or No.90; the oil must be two-stroke gasolin engine oil. The mixture's ratio between gasoline and oil is 25-30:1. Bad quality fuel will influence the engine's performance and destroy the gasoline engine. While adding fuel, fuel filter must not be removed in order to avoid dirty matter coming in fuel tank.

3.Adding chemical

- 1) During spraying operation, while adding chemical, the switch must be shut, see Fig.8. During dusting operation, dusting value throttle and fuel lever should be on the bottom position, otherwise, the machine will have chemical out.

2) As powder chemical can easily become block, so the chemicals should not be in the chemical tank for a long time.

3) While spraying, the chemical tank lid should be turned on tightly. After adding powder chemical, please clean the screw of chemical tank mouth, and then turn on the lid tightly.

4.Cold starting

Please operate according to the following procedures:

- 1) Turn on the fuel switch, see Fig.9.
- 2) Put the fuel lever on the starting position.
- 3) Put the choker on the full position.
- 4) Pull the starter for a few times and have it returned slowly. Do not leave the handle to return freely to avoid the damage of the starter.
- 5) Close the choker and pull starter handle until the engine fires.
- 6) After starting the engine, open choker fully.
- 7) Let the engine run at low speed for 2—3 minutes, then start the spraying or dusting operation.

5.Starting the warm engine

- 1) Leave the choker fully open.
 - 2) If the engine draws in too much fuel, leave the fuel switch fully close, pull the starter 5—6 times.
- Then start the engine as above.

6.Speed adjustment

Speed dose not meet the fixed number with the fuel lever at the working position or the engine can not stop with the handle at the lowest position. Regulate as the following. See Fig. 10.

- 1) Loosen the lock nut.
- 2) Turn the regulating screw right to decrease the

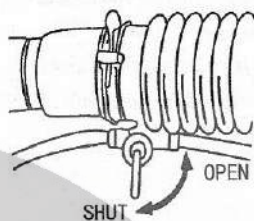


Fig.8

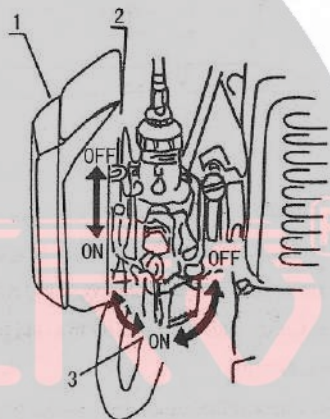


Fig.9

1.Air filter 2.Choke handle 3.Fuel switch

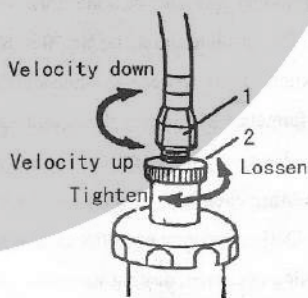


Fig.10

speed. Otherwise, the speed.

3) After adjustment is finished, tighten the lock nut.

7. Stopping the engine.

1) During misting operation turn off the chemical first, and then stop the machine.

2) During dusting operation, put the fuel lever and dusting lever at the close position.

3) After finish work, turn off the fuel switch in order to avoid difficult start next time.

Note: While the engine is running, the hose must be mounted to the machine, otherwise, cooling air will be reduced and the engine may be damaged.

Misting/Dusting

1) Misting. Loosen the pressing lid, regulate the length of the nozzle opening to meet the different requirement of misting. Turn the regulating valve to change the amount of misting. See Fig 11.



Fig.11

Opening	Discharging(L/min)
1	1
2	1.5
3	2
4	3

2) Dusting. Regulate the discharge rate by shifting the dust rod's position in the three holes of the rock-arm. See Fig12

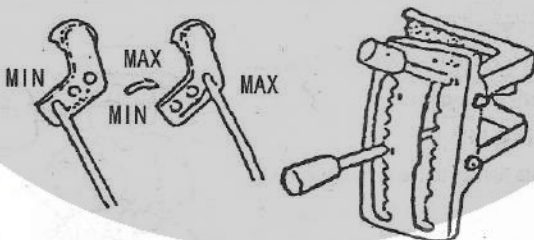


Fig.12

Safety

1. Read this manual carefully. Be sure you understand how to operate this machine properly before you use it.

2. Protective clothing (Fig 13)

- (1) Wear flanged cap.
- (2) Wear dirt/fog-proof glasses.
- (3) Wear gauze mask.
- (4) Wear long gloves.
- (5) Wear coat guarding against poisons.
- (6) Wear boots.



Fig.13

3. Following personnel can not use the machine.

- (1) Mental patients.
- (2) Drunk.
- (3) Under age or old person.
- (4) Person with no knowledge of the machine.
- (5) Dog-tired person or patient and others who can not operate the machine normally.
- (6) Person who have just exercised strenuously or slept not enough.
- (7) Women giving the breast to baby or being pregnant.

4. Avert fire

- (1) Do not fire or smoke nearby the machine.
- (2) Never refuel the machine when it is hot or running.
- (3) Never pour fuel on the machine. If you do, clean them off.
- (4) Always tighten the fuel tank lid.
- (5) Always move at least 10 feet away from the fuel container before starting the machine.

5. Starting engine (Fig 14)

- (1) Put the dust gate handle to the lowest position before starting the engine, otherwise chemical will be jetted when starting engine.

- (2) It is prohibited to stand in front of nozzle. Even



Fig.14

though dust gate is closed, residual dust in pipe will be blown out. Shown in Fig 14.

6. Misting/Dusting

(1) It is fine to carry out operation during cool weather with little wind. For example: in the early morning or in the late afternoon. This can reduce the evaporation and drift of chemicals and improve the protecting effect.

(2) Operation should move windward.

(3) If your mouth or eyes are spattered with chemicals, wash them with clean water and then go to see doctor.

(4) If the operator has a headache or dizziness, stop working at once and go to see the doctor in time.

(5) For the operator's safety, missing/dusting must be carried out strictly according to the instruction of the chemicals and agricultural requirements.

(6) The operator should obey the instructions on the label when preparing the pesticide.

(7) It is prohibited to use the special fluid, such as the strong acids or alkali, etc.

Troubles and Remedies

1. Engine starts difficultly or can not start.

Check if the sparking plug has sparked-over.

Screw down the sparking plug; put the side pole to touch the cylinder. Full the starter and watch between the poles of sparking plug whether there are sparks. Pull the starter carefully; do not touch the metal part of sparking plug for prevention of getting an electric shock as shown in Fig.15.

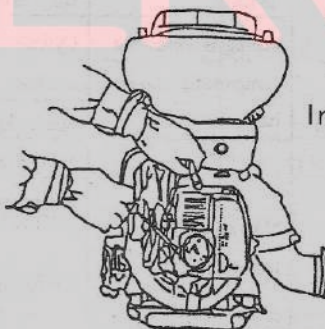


Fig.15

Trouble		Cause	Remedies
No flash	Spark plug	Firing device wetted	Dry it out
		Carbon lay down on the sparking plug	Clean the carbon
		The clearance between poles of sparking plug is too big or too small	Adjusting the clearance at 0.6—0.7mm
		This insulation of sparking plug damaged	Change sparking plug
		Poles burned	Change sparking plug
	Magnet	Wrapping of wire damaged	Change or remedy
		Insulation of coil is broken	Replace
		Wire of coil is broken	Replace
		Electronic firing device damaged	Replace
Normal	Compression ratio is fine & fueling normally	Fuel sucked in is excessive	Reduce the fuel
		Bad quality fuel , mixed with water or dirty	Change the fuel
	Fueling is normal but compressing ratio is bad	Cylinder and piston ring wore and tore	Change cylinder and piston ring
		Spark plug is loosen	Tighten
	No fueling form carburetor	No fuel in fuel tank	Fill fuel
		Filter net dirty	Clean it
		Air hole of fuel tank blocked	Clean it

2.Engine output is insufficient

Trouble	Cause	Remedies
Compression ratio& fire is normal	Filter plate clogged	wash
	Fuel mixed with water	Change fuel
	Engine overheat	Shut down or cool it
	Carbon lay down in muffler	Clean it
Engine overheat	Consistency of fuel is too thin	Adjust carburetor
	Carbon lay down on cylinder cover	Clean it
	Engine oil is bad	Use special mobile oil
	No connection with hose	connect
Dash sound	Bad fuel	Replace
	Carbon lay down in combustion chamber	Clean it
	Running parts wore and tore	Check & change

3.The engine shuts down in running.

Trouble	Cause	Remedies
The engine shut down suddenly	The lead wire of sparking plug loosened	Connect if firm
	The piston bitten	Change the piston or remedy it
	The sparking plug laid down the carbon or short circuited	
	The fuel burned up	Feed the fuel
The engine shut down slowly	Inside the carburetor clogged	Clean it
	The air hole of fuel tank clogged	Clean it
	The fuel mix with water	Replace the fuel

4.The engine shuts down difficultly

Trouble	causes	remedies
The fuel lever handle is located at the lowest position, the engine still runs.	The fuel pulling cord is too short (the idle speed is higher)	Adjust the pull cord according to Fig.13.

5. Spraying

Trouble	causes	remedies
No spray mixture jet or jet intermittently	Nozzle switch or control valve clogged	Clean it
	Liquid lead pipe clogged	Clean it
	No pressure or the pressure is lower	Tighten the tank lid and screw down two wing nuts
Spray mixture leakage	The spraying lid plate fitted incorrect	Refit it
	Every threaded joint loosened	Screw down it

6. Dusting

Trouble	Causes	Remedies
No dust discharge or discharge intermittently	No dust gate can not be opened	Adjust the pull rod of the dust gate
	The dust or granule mix with foreign body	Clean it
	The dust or granule lumped	Break the lump
	Wet dust or granule	Dry it
The dust gate not work properly	The dust gate can not be closed	Adjust the pull rod of the dust gate
	The dust gate is blocked up by foreign matter	Clean it
Leakage of dust	The clamp plate of the chemical tank bottom loosened	Tighten it
	The sealing gasket of the dusting lid damaged	Change it with new one
The discharge rate out of control	The control device of dust gate can not work properly	Remedy it

Technical Maintenance and

Deposit for a Long Time

1. Technical maintenance on spraying assembly

(1) After spraying, clean out any residual spray mixture or dust in the chemical tank. Wash the tank and all other parts.

(2) After dusting or granules spreading, clean the dust gate and chemical tank inside and outside.

(3) After operation, loosen the chemical tank lid.

(4) After cleaning, the machine runs at low speed for 2—3 minutes.

2. Maintenance on fuel system

(1) The fuel mix with dust or water is one of main cause of the engine trouble, so the fuel system should be cleaned very often.

(2) If the residual fuel remains in the fuel tank and carburetor for a long time, the residual fuel would be glued and the fuel circuit clogged, thus causing the engine not to working properly. So as the machine works for one week. All of the fuel should be discharged.

3. Maintenance on air filter and sparking plug

(1) After the operation each day, wash the filter, if the chemicals adhere to sponge, it would deduce the engine power, please pay attention especially.

(2) After wash the sponge with petrol, squeeze the petrol then fix the sponge in.

(3) The suitable clearance of sparking plug is 0.6—0.7mm, please check the clearance often, if it is too big or too small, adjust it properly, as shown in Fig.16.

(4) The sparking plug model of this machine is 4106J. Do not use other model. If it is necessary for change, you may buy it form local agricultural machinery department or plant protection department.\

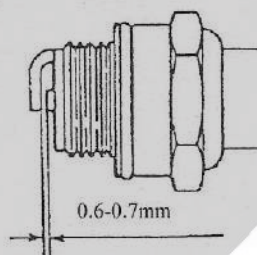


Fig.16

4. Deposit for along time

(1) Clean the outside of the machine. Coat the anti-rust oil to the surface of metal.

(2) Take down the sparking plug. Feed 15—20g mobile oil into cylinder, the mobile oil should be specially used for two-stroke petrol engine. Raise the piston to upper terminal point, then fix

sparkling plug.

(3) Screw out the two wing screws. Take off the machine tank. Clean the dust gate and the surface inside and outside of chemical tank. If the residual chemical remains in the dust gate, the dust gate will not properly and the leakage of dust will occur seriously. Then fit the chemical tank on and the loosen the tank lid.

(4) Take off the spray unit and wash it and then store additionally.

(5) Should discharge all the fuel in the fuel tank and carburetor.

(6) Cover the machine with plastic membrane and deposit it at dry and no dust place.

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FIGURE2 (3WF-2. 6, 3WF-2. 6A)

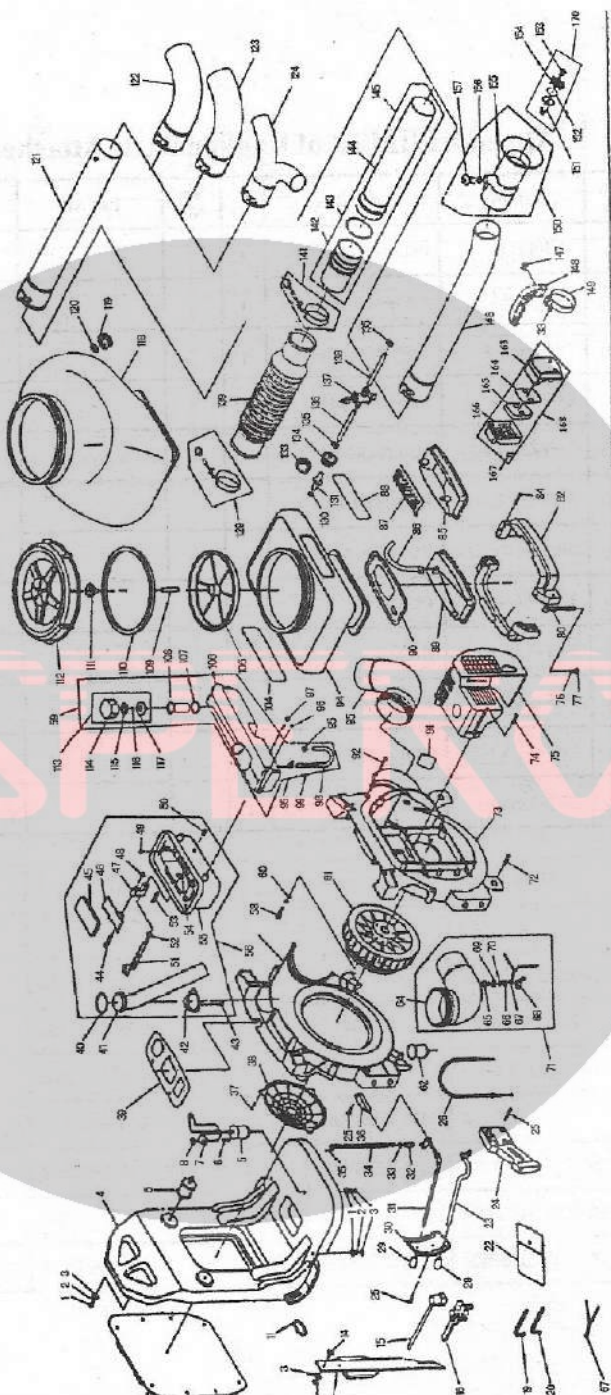
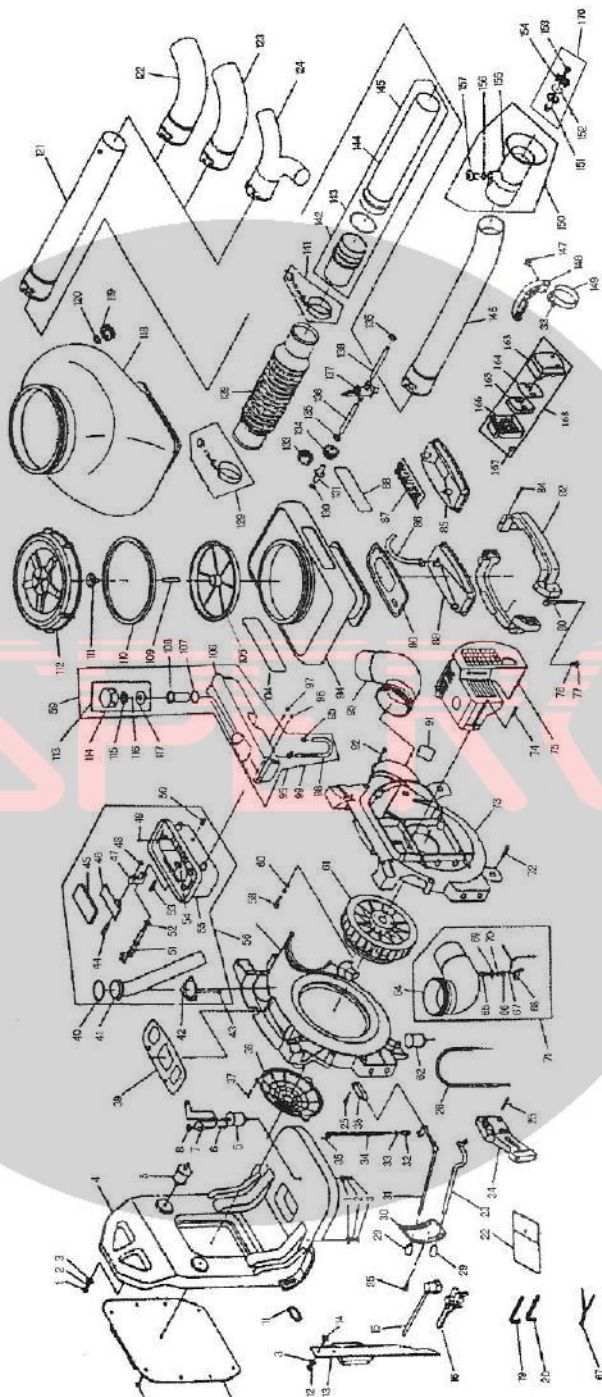


FIGURE2 (3WF-2.6, 3WF-2.6A)



Appendix I List of Engine Parts of Attached Fig.1(I)

Ser. No.	Part No.	Part Name	Qty	Ser. No.	Part No.	Part Name	Qty
1-1	1E40FP-3Z-7	CYLINDER	1	1-28	1E40FP-3Z.3-6	WASHER	2
1-2	GB70.1-M5×20	BOLT	4	1-29	1E40FP-3Z.3-1	CRANKSHAFT	1
1-3	1E40FP-3Z-6	GASKET	1	1-31	1E40FP-3Z-16	NUT	2
1-4	1E40FP-3Z-18	GASKET	2	1-32	GB/T859-10	WASHER	2
1-5	1E40FP-3Z-5	GASKET	1	1-33	GB/T97.1-10	WASHER	2
1-6	1E40FP-3Z-12	BACK CRANKCASE	1	1-34	1E40FP-3Z.3-1	KEY	1
1-10	1E40FP-3Z.2	MUFFLER	1	1-35	1E40FP-3Z.5	ROTOR	1
1-11	GB/T70.1-M6×35	BOLT	2	1-36	1E40FP-3Z.5	COLL	1
1-12	GB/T9074.4-M5×12	SCREW	1	1-37	1E40FP-3Z.5	COIL	1
1-13	1E40FP-3Z-8	COVER	1	1-40	1E40FP-3Z-20	GROMMET	1
1-14	GB/T9074.4-M5×10	SCREW	2	1-42	4106J	PLUG	1
1-15	1E40FP-3Z-14	FRONT CRANKCASE	1	1-43	GB/T845-ST4.2×16	SCREW	2
1-16	1E40FP-3Z-13	GASKET	1	1-44	GB/T70.1-M4×25	SCREW	1
1-17	GB/T276-6202/P5	BEARING	2	1-45	1E40FP-3Z-9	CAP	1
1-18	1E40FP-3Z-11	SEAL	2	1-46	1E40FP-3Z.4-9	ROPE	1
1-20	GB/T70.1-M5×30	SCREW	4	1-47	GB/T67-M5×12	SCREW	1
1-22	GB/T 5783-M6×30	BOLT	4	1-48	1E40FP-3Z.4-4	WASHER	1
1-23	1E40FP-3Z.3-2	PISTON	1	1-49	1E40FP-3Z.4-5	GUIDE SLICE	1
1-24	1E40FP-3Z.3-5	PISTON RING	2	1-50	GB/T860-8	WASHER	1
1-25	1E40FP-3Z.3-3	PISTON PIN	1	1-51	1E40FP-3Z.4-8	START WHEEL	1
1-26	1E40FP-3Z.3-4	RING	2	1-52	1E40FP-3Z.4-6	PULLEY	1
1-27	1E40FP-3Z.3.2	BEARING	1	1-53	1E40FP-3Z.4-7	SPRING	1

Appendix I List of Engine Parts of Attached Fig.1(II)

Ser. No.	Part No.	Part Name	Qty	Ser. No.	Part No.	Part Name	Qty
1-54	GB/T9074.4-M5×20	SCREW	4	1-84	GB/T818-M4×12	SCREW	2
1-55	1E40FP-3Z.4-1	CASE	1	1-85		FLOAT	1
1-56	1E40FP-3Z-17	LABEL	1	1-86		HINGE	1
1-58	1E40FP-3Z.4-2	HANDLE	1	1-87		PIN	1
1-59	1E40FP-3Z-19	RATCHET	1	1-88		VALVE	1
1-61	1E40FP-3Z-4	GASKET	2	1-89		BAND	1
1-62	1E40FP-3Z-3	INSULATOR	1	1-90		BOLT	1
1-63	1E40FP-3Z-2	PIPE	1	1-91		NUT	1
1-64	GB/T9074.4-M5×25	SCREW	1	1-92		PACKING	1
1-71		BODY	2	1-93		SWITCH	1
1-72		CAP	1	1-94		BOLT	1
1-73		BOLT	1	1-95		PACKING	2
1-74		NUT	1	1-96	1E40FP-3Z.01	CARBURETTOR	1
1-75		PISTON	1	1-97	1E40FP-3Z.4	STARTER	1
1-76		SPRING	1				
1-77		RING	1				
1-78		NEEDLE	1				
1-79		CLIP	1				
1-80		PIPE	1				
1-81		JET	1				
1-82		FLOAT CHAMBER	1				
1-83		GASKET	1				

Appendix II List of Engine Parts of Attached Fig.2 (I)

Ser. No.	Part No.	Part Name	Qty	Ser. No.	Part No.	Part Name	Qty
2-1	GB/T 6170-M6	NUT	5	2-25	GB/T 9074.4-M5×16	SCREW ASSEM	1
2-2	GB/T 93-6	WASHER	7	2-26	3WF-2.6.3	THROTTLE CABLE	1
2-3	GB/T 96.2-6	WASHER	7	2-29	3WF-3-5	HANDLE	2
2-4	3WF-2.6.10-1	FRAME	1	2-30	3WF-2.6A.11.1-2	GRADUATOR	1
2-5	3WF-2.6A.6	RUBBER PILLAR	3	2-31	3WF-2.6.7.1	DUST ROD	1
2-6	GB/T 9074.4-M5×16	SCREW	2	2-32	3WF-3-15	CONNECTOR	1
2-7	3WF-2.6B.4	SUPPORT	1	2-33	GB/T 6170-M5	NUT	3
2-8	3WF-3-18	LINK WASHER	2	2-34	3WF-2.6.7-7	PULLING ROD	1
2-9	3WF-2.6B-2	PLASTIC CLIP	8	2-35	3WF-2.6A-2	PIN	1
2-10	3WF-2.6.8	BACK MAT	1	2-36	3WF-2.6.7-6	PLATE	1
2-11	EB-415.16-2	LOOP	2	2-37	GB/T 845-ST4.2X13	SCREW ASSEM	3
2-12	GB/T 6177.1-M6	NUT	2	2-38	3WF-2.6.9-1	NET COVER	1
2-13	3WF-2.6A.5	BELT COMPONENT	2	2-39	3WF-2.6A-3	SEALING WAHER	1
2-14	GB/T 818-M6×16	SCREW	2	2-40	3WF-3-9	WASHER	1
2-15	3WF-3.26.3	SPANNER	1	2-41	3WF-2.6.6-1	PIPE	1
2-16	3WF-2.6B.6	DISASSEMBLY	1	2-42	3WF-3-8	LID	1
2-19	GB5356-S=4	SPANNER	1	2-43	GB/T 845-ST4×13	SCREW	3
2-20	GB5356-S=5	SPANNER	1	2-44	3WF-3.6-3	PIN	1
2-22	BG415.9.1	WORKBAG	1	2-45	3WF-3.6-2	RUBBER PLATE	1
2-23	3WF-2.6.7.2	THROTTLE ROD	1	2-46	3WF-3.6-1	SLIDE	1
2-24	3WF-2.6A.11.2	LINK FRAME	1	2-47	3WF-3.6-4	SUPPPORT ARM	1

Appendix II List of Engine Parts of Attached Fig.2 (II)

Ser. No.	Part No.	Part Name	Qty	Ser. No.	Part No.	Part Name	Qty
2-48	GB/T 896-5	RING	1	2-70	GB/T 96.2-6	WASHER(NOT USE IN-2.6)	1
2-49	GB/T 9074.4-M6×20	SCREW ASSEM	3	2-71	3WF-2.6A.4.2	FANJOINT(NOT USE IN-2.6)	1
2-50	3WF-3-21	PLUG	1	2-72	GB/T 818-M5×35	SCREW	10
2-51	3WF-3-22	ROCKER SHAFT	1	2-73	3WF-2.6.9.3	VOLUTE CASE	1
2-52	GB/T 1235-14×2.4	SEALING WASHER	1	2-74	GB/T 9074.4-M5×25	SCREW	4
2-53	GB/T 119-B6×55	PIN	1	2-75	3WF-3-19	PROTECTION	1
2-54	GB/T 896-9	RING	1	2-76	GB/T 96.2-8	WASHER	2
2-55	3WF-2.6.6.1	SHUTTER	1	2-77	GB/T 6170-M8	NUT	2
2-56	3WF-2.6.6	SHUTTER CASE	1	2-80	GB/T5783-M8×75	BOLT	2
2-57	3WF-2.6.9.1	VOLUTE CASE	1	2-82	3WF-2.6A-1	CLAMP	2
2-58	GB/T5783-M8×35	BOLT	2	2-84	GB/T 9074.4-M5×35	SCREW ASSEM	4
2-59	3WF-2.6.2	FUEL TANK	1	2-85	3WF-3.7-2	DUSTING PLATE	1
2-60	GB/T97.1-8	WASHER	2	2-86	3WF-3.20-1	TUBE	1
2-61	3WF-2.6.9.2	IMPELLER ASSEM	1	2-87	3WF-2.6A.1-2	PLATE	1
2-62	3WF-2.6A.7	SUPPORTOOMPONENT	2	2-88	3WF-2.6-5	LABEL	1
2-64	3WF-2.6A.4.2-1	FANJOINT(NOT USE IN-2.6)	1	2-89	3WF-3.20-2	MISTING PLATE	1
2-65	GB/T 5783-M6×20	SCREW(NOT USE IN-2.6)	1	2-90	3WF-3.7-1	SEALING WASHER	1
2-66	GB/T 6170-M6	SCREW(NOT USE IN-2.6)	1	2-91	3WF-2.6-1	SIGN	1
2-67	3WF-3.25.4	INSURANCE CHAIN	1	2-92	GB/818-M5×25	SCREW	2
2-68	GB/T 62-M6	SCREW(NOT USE IN-2.6)	1	2-93	3WF-2.6.4-1	FAN JOINT	1
2-69	3WF-2.6A.4.2-2	WASHER(NOTUSE IN-2.6)	1				

Appendix II List of Engine Parts of Attached Fig.2 (III)

Ser. No.	Part No.	Part Name	Qty	Ser. No.	Part No.	Part Name	Qty
2-94	3WF-3.17-1	CHEMICAL TANK	1	2-120	3WF-2.6A.1-3	WASHER(NOT USE IN-2.6)	1
2-95	BG415-8	CLIP	2	2-121	3WF-2.6.4-4	PIPE(NOT USE IN-2.6A)	1
2-97	GB/T818-M5×35	SCREW ASSEM	2	2-122	3WF-2.6.4-6	L-PIPE(NOT USE IN-2.6A)	1
2-98	SG79-8X2	TUBE (300)	1	2-123	3WF-2.6.4-3	CONNECTOR(NOT USE IN-2.6A)	1
2-99	BG415-7	TUBE SPRING	1	2-124	3WF-2.6.4-5	Y-PIPE(NOT USE IN-2.6A)	1
2-104	3WF-3-11	SIGNPLATE POLLAR	1	2-129	3WF-3.19.5	2CLIP ASSEM	1
2-105	3WF-3.20.1	FILTER NET	1	2-130	3WF-3.17.2-2	SEALING WASHER	1
2-106	3WF-2.6.2-1	FUEL TANK	1	2-131	3WF-3.20.2-2	LINK PIPE	1
2-107	1E40FC.1-2	SEALING WASHER	1	2-133	3WF-3.17.2-1	LID	1
2-108	1E40FC.1.1	FILTER NET ASSEM	1	2-134	3WF-3.20.2-1	CONNECTOR LID	1
2-109	SG79-8X2	TUBE(500)	1	2-135	3WF-3.19-1	CLIP	1
2-110	3WF-3.17.1-3	SEALING WASHER	1	2-136	SG79-10X2	TUBE (850)	1
2-111	3WF-3.17.1-1	AIR VALVE	1	2-137	3WF-3.19.1	COCK ASSEM	1
2-112	3WF-3.17.1-2	LID	1	2-138	SG79-10X2	TUBE (650)	1
2-113	1E40FC.1	FUEL TANK LID	1	2-139	ZB4-5-02	HOSE	1
2-114	3WF18-9.03	FUEL TANK LID	1	2-140	3WF-2.6A.4.1-1	3CLIP	1
2-115	1E40FC.1-4	PLASTIC LID	1	2-141	3WF-2.6A.4.1	3CLIP ASSEM	1
2-116	BG-328.7-4	FILTER NET	1	2-142	3WF-2.6.4.1-2	CONNECTOR	1
2-117	1E40FC.1-3	RUBBER LID	1	2-143	GB/T1235-65×3.1	SEALING WASHER	1
2-118	3WF-2.6A.1-1	TANK(NOT USE IN-2.6)	1	2-144	3WF-2.6.4.1-1	PIPE	1
2-119	3WF-2.6A.1-4	LID(NOT USE IN-2.6)	1				

Appendix II List of Engine Parts of Attached Fig.2 (IV)

Ser. No.	Part No.	Part Name	Qty	Ser. No.	Part No.	Part Name	Qty
2-145	3WF-2.6.4.1	CONNECTOR	1				
2-146	3WF-2.6.4-2	PIPE	1				
2-147	GB818-M5×25	SCREW ASSEM	2				
2-148	3WF-2.6.4-8	HANDLE	1				
2-149	ZB4-5-4-01	CLAMP	1				
2-150	3WF-2.6.4.3	BLACK NOZZLE	1				
2-151	3WF-2.6.4.3.1	NOZZLE	1				
2-152	3WF-2.6.4.3.1-1	WASHER	1				
2-153	3WF-2.6.4.3.1-2	SEAT	1				
2-154	3WF-2.6.4.3.1-3	ROTATION IMPELLER	1				
2-155	3WF-2.6.4.3-1	NOZZLE	1				
2-156	GB1235 16×2.4	SEALING WASHER	1				
2-157	3WF-3.19.3-3	VALVE	1				
2-163	1E40F-3A.3-4	OUTSIDE COVER	1				
2-165	1E40F-3A.3-3	FILTER CORE	1				
2-166	1E40F-3A.3-1	INSIDE COVER	1				
2-167	1E40F-3A.3-5	LABEL	1				
2-168	1E40F-3A.3	AIR CLEANER	1				
2-170	3WF-2.6.4.3.1	NOZZLE	1				

Appendix III List of Engine Parts Attached Fig .3 (I)

Ser. No.	Part No.	Part Name	Qty	Ser. No.	Part No.	Part Name	Qty
3-1	3WF-2.6B-2	NELON CLIP	5	3-23	3WF-3-16	PLATE	1
3-2	GB/T6170-M6	NUT	5	3-25	3WF-3.25.4	INSURANCE CHAIN	1
3-3	GB/T96.2-6	WASHER	10	3-26	GB/T5356-S=4 S=5	SPANNER	per 1
3-4	GB/T93-6	WASHER	17	3-29	3WF-3.26.1A	DISASSEMBLY	1
3-5	3WF-3.11	BACK MAT	1	3-30	3WF-3.26.3	SPANNER	1
3-6	EB-415.16-1	FRAME	1	3-31	3WF-3.25.1	THROTTLE ROPE	1
3-7	EB-415.16-2	LOOP	2	3-32	3WF-3-13	IMPELLER	1
3-8	GB/T6177.1-M6	NUT	2	3-33	3WF-2.6A.7	RUBBER PILLAR	3
3-9	3WF-2.6A.5	BELT ASSEM	2	3-34	3WF-3-14	NET COVER	1
3-10	GB/T818-M6×16	SCREW	2	3-35	GB/T845-ST4.2×13	SCREW	3
3-11	3WF-2.6A-2	PIN	1	3-36	3WF-3-8	LID	1
3-12	3WF-3-12	PULLING ROD	1	3-37	3WF-2.6A.6	RUBBER PILLAR	3
3-13	GB/T6170-M5	NUT	1	3-38	GB/T9074.4-M5×20	SCREW	2
3-14	3WF-3-15	CONNECTOR	1	3-39	EB-415.19	LOWER SUPPORT	1
3-15	3WF-3.3	DUSTLEVER	1	3-40	3WF-3-18	CONNECTION WASHER	2
3-16	3WF-3-4	GRADUAOR	1	3-41	3WF-3.9	BELT FRAME	1
3-17	3WF-3-5	HANDLE	2	3-42	3WF-3-7	PIPE	1
3-18	GB9074.4-M5×12	SCREW	2	3-43	3WF-3-9	SEALING WASHER	1
3-19	BG415.9.1	WORKBAG	1	3-44	3WF-3.6-3	PIN	1
3-20	3WF-3.4	THROTTLE ROD	1	3-45	3WF-3-22	ROCKET SHAFT	1
3-21	3WF-3.2	SUPPORT FRAME	1				
3-22	GB9074.4-M5×12	SCREW	6				

Appendix III List of Engine Parts Attached Fig.3 (II)

Ser. No.	Part No.	Part Name	Qty	Ser. No.	Part No.	Part Name	Qty
3-46	GB/T1235-14×3	SEALING WASHER	1	3-69	3WF-3.16-1	FUEL TANK (NOT USE IN-3A)	1
3-47	GB/T119-B6×55	PIN	1	3-70	3WF-3.20.1	FILTER NET ASSEM	1
3-48	GB/T896-9	RING	1	3-71	3WF-3-11	SIGN PLATE COLLAR	1
3-49	3WF-3.1	SHUTTER CASE	1	3-72	GB/T96.2-5	WASHER	2
3-50	GB/T9074.13-M6×40	SCREW	4	3-73	GB/T818-M5×55	SCREW	2
3-51	GB/T5783-M6×35	BOLT	2	3-74	BG415-8	CLIP	2
3-52	3WF-3-23	FUEL TANK SUPPORT	2	3-75	SG79-82	FUEL TUBE (500)	1
3-53	3WF-3-21	PLUG	1	3-76	3WF-3-2	NUT	2
3-54	3WF-3.17-1	CHEMICAL TANK	1	3-77	3WF-3-10	SCREW	2
3-55	GB/T896-9	RING	1	3-78	GB/T1235-100×3.1	SEALING WASHER	1
3-56	3WF-3.6-4	SUPPORT ARM	1	3-79	3WF-3-6	BENT PIPE	1
3-57	3WF-3.6-1	SLIDE PLATE	1	3-80	3WF-3.7-1	SEALING WASHER	1
3-58	3WF-3.6-2	RUBBER PLATE	1	3-81	3WF-3.20-2	MISTING PLATE	1
3-59	3WF-3.16.1	FILTER NET ASSEM (NOT USE IN-3A)	1	3-82	3WF-3.14	VOLUTE CASE	1
3-60	3WF-3.16.2-3	LID (NOT USE IN-3A)	1	3-83	GB/T818-M5×30	SCREW	9
3-61	BG328.7-4	FILTER NET (NOT USE IN-3A)	1	3-84	GB/T9074.4-M5×25	SCREW	4
3-62	3WF-3.16.2-1	LID (NOT USE IN-3A)	1	3-85	3WF-3-19	PROTECTION	1
3-63	3WF-3.16.2	FUEL TANK LID ASSEM (NOT USE IN-3A)	1	3-86	3WF-3.13	VOLUTE CASE	1
3-64	3WF-3.16	FUEL TANK ASSEM (NOT USE IN-3A)	1	3-87	GB/T96.2-8	WASHER	2
3-65	3WF-3.17.1-2	LID	1	3-88	GB6170-M8	NUT	2
3-66	3WF-3.17.1-1	AIR VALVE	1	3-89	GB/T5783-M8×45	BOLT	2
3-67	3WF-3.17.1-3	SEALING WASHER	1	3-90	GB/T9074.4-M6×25	SCREW	2
3-68	SG79-8X2	TUBE (500)	1	3-91	3WF-3-1	CLAMPING PLATE	2

Appendix III List of Engine Parts Attached Fig .3 (III)

Ser. No.	Part No.	Part Name	Qty	Ser. No.	Part No.	Part Name	Qty
3-92	3WF-3.7-2	DUSTING PLATE	1	3-120	3WF-3.19-2	CLAMP	1
3-93	3WF-3.20-1	TUBE	1	3-121	SG79-10X2	PLASTIC TUB (700)	1
3-94	3WF-2.6A.1-2	PLATE	1	3-123	3WF-3.19.3.1-2	NOZZLE PIECE	1
3-95	3WF-3-24	SIGN	1	3-124	3WF-3.19.3-5	NOZLE	1
3-96	3WF-3.20.2-2	CONNECTOR PIPE (NOT USE IN-3A)	1	3-125	3WF-3.19.3-2	LID	1
3-97	3WF-3.17.2-2	SEALING WASHER (NOT USE IN-3A)	1	3-126	3WF-3.19.3-1	SEALING WASHER	1
3-98	3WF-3.17.2-1	LID (NOT USE IN-3A)	1	3-127	3WF-3.19.3-4	SHOT PIPE	1
3-99	3WF-3.20.2-1	CONNECTOR LID (NOT USE IN-3A)	1	3-128	GB/T1235-16X2.4	SEALING WASHER	1
3-100	3WF-3.19-1	CLIP	4	3-129	3WF-3.19.3-3	GRADUATOR	1
3-101	SG79-10X2	PLASTIC TUB (900)	1	3-130	3WF-3.19.3	NOZZLE ASSEM	1
3-102	3WF-3.19.1	COOK COMPONENT	1	3-131	GB9074.4-M6X16	SCREW	4
3-103	GB97.1-8	WASHER	12	3-138	1E40FC.8	AIR CLEANER	1
3-104	3WF-3.19-3	LONG BENT PIPE	1	3-139	1E40FC.8-1	AIR CLEANER BODY	1
3-105	3WF-3.21-2	CONNECT PIPE	1	3-140	1E40FC.8-2	FILTER CORE	1
3-106	3WF-3.21-1	GUIDE PIPE	1	3-141	1E40FC.8-3	BACK PLATE	1
3-107	3WF-3.19.5	2 CLIP ASSEM	1	3-142	TL-QYJ-01	LABEL	1
3-112	3WF-3.19-4	HOSE	1	3-143	3WF-2.6A.1-1	TANK (NOT USE IN-3)	1
3-114	3WF-3.19.4	1CLIP ASSEM	1	3-147	BG415-7	TUBE SPRING	1
3-115	3WF-3.19.2	CONNECTOR ASSEM	1	3-148	SG79-8X2	FUEI TUBE (300)	1
3-116	3WF-3.19.2-1	CONNECTOR	1	3-149	GB/T818-M5X16	SCREW	2
3-117	GB/T1235-65X3.1	SEALING WASHER	1	3-150	3WF-2.6.2-1	FUEL TANK (NOT USE IN-3)	1
3-118	3WF-3.19.2-2	PIPE	1	3-151	1E40FC.1-2	SEALING WASHER (NOT USE IN-3)	1
3-119	GB/T818-M5X12	SCREW	1	3-152	1E40FC.1.1	FILTERNET ASSEM (NOT USE IN-3)	1

Appendix III List of Engine Parts Attached Fig .3 (IV)

Ser. No.	Part No.	Part Name	Qty	Ser. No.	Part No.	Part Name	Qty
3-153	1E40FC.1	FUEL TANK LID (NOT USE IN-3)	1				
3-154	3WF18-9.03	FUEL TANK LID (NOT USE IN-3)	1				
3-155	1E40FC.1-4	PLASTIC LID (NOT USE IN-3)	1				
3-156	BG328.7-4	FILTER NET (NOT USE IN-3)	1				
3-157	3WF-2.6A.1-4	FUEL TANK LID (NOT USE IN-3)	1				
3-159	3WF-2.6.2	FUEL TANK (NOT USE IN-3)					
3-160	GB/T818-M5X25	BUTTON ASSEY	1				
3-161	3WF-2.6.4-8	CLAMP	2				
3-162	3WF-3.19-1	HANDLE	1				
3-165	3WF-2.6A.1-3	WASHER (NOT USE IN-3)	2				
3-166	3WF-2.6A.1-5	CONNECTOR PIPE (NOT USE IN-3)	1				
3-167	3WF-2.6A.1-6	CONNECTOR LID (NOT USE IN-3)	1				



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