

# AMP-435F-4S with AX35 Portable Power Sprayer



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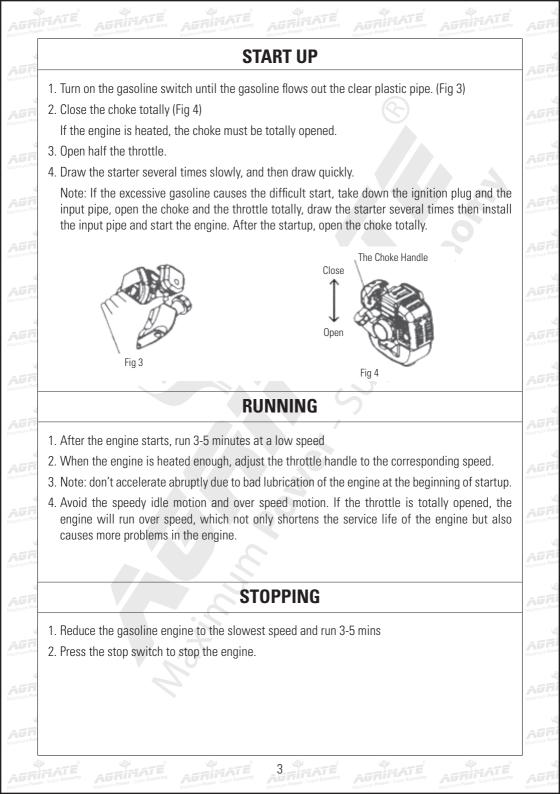
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BEFORE OPERATING THIS MACHINE, PLEASE READ THESE INSTRUCTIONS CAREFULLY

# CAUTION 1. Stop running the gasoline engine before the tank is refueled, and ensure that the gasoline engine is far from the fire. Against the position, discharge the exhaust gas from the rooms, channels using gasoline engine or any other closed places. 2. Forbid to touch the muffler and the body when the gasoline engine runs and just stops. 3. Don't touch the ignition plug cap and wires, to avoid the electrical shock 4. Forbid children and persons unconcerned to touch the gasoline engine. 5. Ensure the cooling of the muffler and the body, cover the gasoline engine after daily work. 6. Against the problem, the damage or the misfire of gasoline engine, check and maintain the gasoline regularly and clean the deposit carbon in the muffler and in the cylinder exhaust. 7. Forbid to use pure gasoline (without two-stroke engine oil) as fuel. 8. Against the damage of gasoline engine and the instruments, forbid to accelerate abruptly, to run speedily and stop abruptly. 9. Forbid the drunk, the dizzy and the pregnant to use the gasoline engine. PREPARATION Refuel Use the mixture of the gasoline and the two stroke engine oil, the volume ratio is 25-30:1 (Fig-1) Check and clean the air filter The air filter must be often cleaned, or the polluted air filter will lower the output power of the engine. If the core is blocked by dust, use gasoline to clean the core and the inside of the air filter, then dip in the oil, wring oil out and put the core back (Fig 2) 1. The FC Two-stroke engine oil 25. The Gasoline Fig 2 Fig 1 2



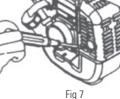
### MAINTENANCE

- 1. Daily check
  - Check all screws and nuts
  - Check oil leakage or air leakage
- 2. Check after running 20 hours
  - Clean the core of the air cleaner
  - Clean the gasoline filter
- 3. Check after running 50 hours
  - Refasten the nuts of the cylinder
  - Clean the accumulated carbon both in the combustion chamber and in the exhaust of the cylinder
  - Clean the accumulated carbon in the ignition plug, adjust the clearance to 0.6mm (Fig 5)
  - Clean the accumulated carbon both in the intake and in the exhaust of the muffler (Fig 6,7)



Fig 5

#### Fig 6



# 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 choke totally, draw the starter 3-5 times.
- 2. Take down the spark plug, add certain engine oil from the spark plug hole into the cylinder, and draw the starter 2-3 times to move the piston to the top dead center, then install the spark plug.
- 3. Use the soft cloth with engine oil to clean the surface of the engine, stor the engine in a dry and windy place for the next use.

# **TROUBLE SHOOTING**

#### 1. Fail to start

- Oil switch is not turned on
- Gasoline is mixed with water, replace it
- The ignition plug has accumulated carbon or has been broken
- Poor contact of the high voltage wire with the spark plug

#### 2. The engine can start, but can't run fast

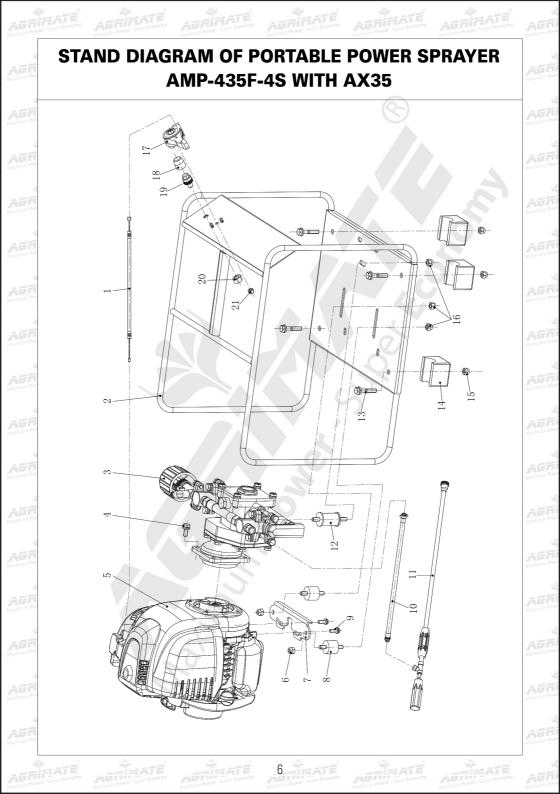
- The choke is either open or closed fully
- The ratio of engine oil and the gasoline is normal or not
- May be there is water in gasoline
- 3. The gasoline engine can run, but has not enough power
  - May be the core of the air filter is blocked by dust
  - Maybe the cylinder exhaust and the muffler are blocked by accumulated carbon

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- The piston, the piston rings and cylinder have been badly worn out
- May be the gasoline filter is blocked by dust
- The body or the top of the shaft has oil leakage and air leakage

#### 4. The gasoline engine stops suddenly when running

- Run out of the gasoline
- The high voltage wire drops
- The ignition plug has accumulated carbon or has been broken
- The gasoline filter is blocked by dust
- Maybe there is water in the gasoline
- The air hole of the tank lid is blocked by dust

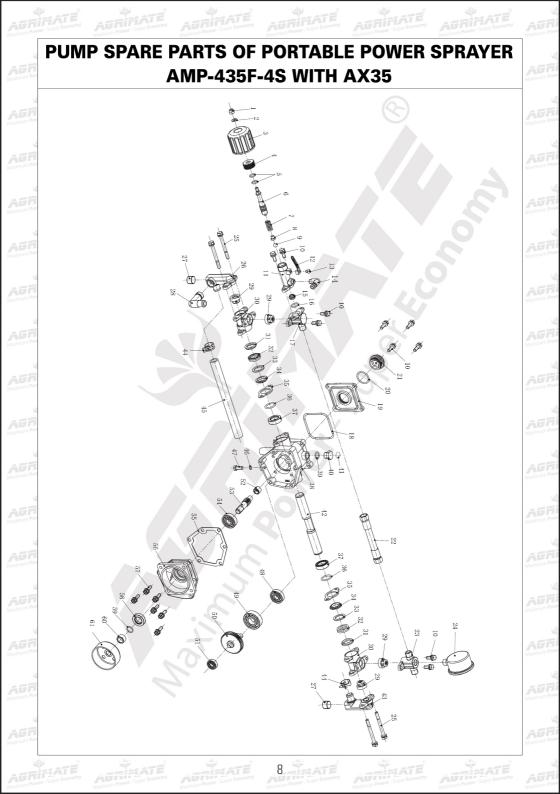


### STAND PART LIST OF PORTABLE POWER SPRAYER AMP-435F-4S WITH AX35

S.N.	PART NO.	DESCRIPTION
1	AMP-435F-4S S01	Cable
2	AMP-435F-4S S02	Frame
3	AMP-435F-4S S03	Pump with ceramic plunger
4	AMP-435F-4S S04	Bolt M6*16
5	AMP-435F-4S S05	Engine
6	AMP-435F-4S S06	Screw M6
7	AMP-435F-4S S07	Engine Stand
8	AMP-435F-4S S08	Joint (Engine)
9	AMP-435F-4S S09	Bolt M5*14
10	AMP-435F-4S S10	Hose
11	AMP-435F-4S S11	Straight Gun

PART NO.	DESCRIPTION
AMP-435F-4S S12	Joint(Pump)
AMP-435F-4S S13	Joint (M6*30)
AMP-435F-4S S14	Joint
AMP-435F-4S S15	Nut M6
AMP-435F-4S S16	Nut M6
AMP-435F-4S S17	Flex Accelarator
AMP-435F-4S S18	Engine Stop Protector
AMP-435F-4S S19	Engine Stop Switch
AMP-435F-4S S20	Nut M8
AMP-435F-4S S21	Nut M5
	AMP-435F-4S S12         AMP-435F-4S S13         AMP-435F-4S S13         AMP-435F-4S S14         AMP-435F-4S S15         AMP-435F-4S S16         AMP-435F-4S S17         AMP-435F-4S S18         AMP-435F-4S S19         AMP-435F-4S S20

For Engine Diagram & Spare Parts Refer AX35 Engine Manual



# PUMP SPARE PART LIST OF PORTABLE POWER SPRAYER AMP-435F-4S WITH AX35 S.N. PART NO. DESCRIPTION S.N. PART NO. DESCRIPTION

S.N.	PART NO.	DESCRIPTION
1	AMP-435F-4S PG01	NutM6
2	AMP-435F-4S PG02	Washer
3	AMP-435F-4S PG03	Pressure Adjusting
4	AMP-435F-4S PG04	LockHandle
5	AMP-435F-4S PG05	Nut
6	AMP-435F-4S PG06	13X1.90-RING
7	AMP-435F-4S PG07	PressurevalueScrew
8	AMP-435F-4S PG08	Spring
9	AMP-435F-4S PG09	ValveRod
10	AMP-435F-4S PG10	M6X14Bolt
11	AMP-435F-4S PG11	ValveBall
12	AMP-435F-4S PG12	Pressurevalue Case
13	AMP-435F-4S PG13	ValveSeat
14	AMP-435F-4S PG14	Pipe
15	AMP-435F-4S PG15	15X1.90-RING
16	AMP-435F-4S PG16	OutletChamber
17	AMP-435F-4S PG17	M6X16Bolt
18	AMP-435F-4S PG18	OutletPressureHose
19	AMP-435F-4S PG19	OutletChamberDou- bleHole
20	AMP-435F-4S PG20	ValveAss'y
21	AMP-435F-4S PG21	M6X70Bolt
22	AMP-435F-4S PG22	SutionPipe DoubleHole
23	AMP-435F-4S PG23	Nut
24	AMP-435F-4S PG24	SuctionPipe
25	AMP-435F-4S PG25	Cylinder
26	AMP-435F-4S PG26	CreaseSeat
27	AMP-435F-4S PG27	ParkingSeat
28	AMP-435F-4S PG28	V-Parking
29	AMP-435F-4S PG29	CreaseSeat
30	AMP-435F-4S PG30	reasePacking

S.N.	PART NO.	0	DESCRIPTION
31	AMP-435F-4S	PG31	AdjustingRing
32	AMP-435F-4S	PG32	FixedSeat
33	AMP-435F-4S	PG33	22X2.4 O-RING
34	AMP-435F-4S	PG34	18X28X8 OilSeal
35	AMP-435F-4S	PG35	Paster
36	AMP-435F-4S	PG36	Blot
37	AMP-435F-4S	PG37	176 Plunger
38	AMP-435F-4S	PG38	CylinderDoubleHole
39	AMP-435F-4S	PG39	SutionPipe
40	AMP-435F-4S	PG40	OilGlass
41	AMP-435F-4S	PG41	25X3.5 O-RING
42	AMP-435F-4S	PG42	Lid
43	AMP-435F-4S	PG43	60X3 O-RING
44	AMP-435F-4S	PG44	GrankCase
45	AMP-435F-4S	PG45	Bearing
46	AMP-435F-4S	PG46	GearShaft
47	AMP-435F-4S	PG47	6201 Bearing
48	AMP-435F-4S	PG48	Gasket
49	AMP-435F-4S	PG49	DrumCase
50	AMP-435F-4S	PG50	14X1.9 O-RING
51	AMP-435F-4S	PG51	Pipe
52	AMP-435F-4S	PG52	ClutchDrum
53	AMP-435F-4S	PG53	6200 Bearing
54	AMP-435F-4S	PG54	6203 Bearing
55	AMP-435F-4S	PG55	Gear
56	AMP-435F-4S	PG56	608 Bearing
57	AMP-435F-4S	PG57	Clip
58	AMP-435F-4S	PG58	Cylinder
59	AMP-435F-4S	PG59	9X1.9 O-RING
60	AMP-435F-4S	PG60	BlotM6*10

# **INSPECTION & MAINTENANCE**

For safety use, make sure the machine is cleaned every three-months. Before working, make sure to inspect the filter and the nozzle, and ensure there is no impurity. After working, make sure there is no water in the pump and the hose.

If the machine needs to be repaired in the guarantee period, please return the machine to the shop. You need to provide the certificate of purchase in order to repair or get the substitute.

Before Packing, the machine should be cleaned, then use closed packaging, packaging should be firm. Store the machine in dry place.

For transportation safety. The machine should comply with ISTA.



Meaning of crossed - out wheeled dustbin:

Do not dispose of electrical machines as unsorted municipal waste, use separate collection facilities.

If electrical machines are disposed of in landfills or dumps, hazardous substances can leak into the groundwater and get into the food chain, damaging your health and well-being.

When replacing old machines with new ones, the retailer is legally obligated to take back your old machine for disposals at least free of charge.

Narranty Card	CUSTOMER COPY
Purchaser's Name & Address	Date of Delivery
Product Name AMP-435F-4S WITH AX35	Dealer's Office Seal
Product Serial No.	
nvoice / DN No.	Dealer Sign         Customer Sign.         I/We accept the terms and conditions of Warranty as in the Warranty Card.
Varranty Card	DEALER'S COPY
Purchaser's Name & Address	Date of Delivery
roduct Name AMP-435F-4S WITH AX35	Dealer's Office Seal
roduct Serial No.	
nvoice / DN No.	Dealer Sign         Customer Sign.         I/We accept the terms and conditions of Warranty as in the Warranty Card.
Varranty Card	COMPANY COPY
Purchaser's Name & Address	Date of Delivery
roduct Name AMP-435F-4S WITH AX35 roduct Serial No.	Dealer's Office Seal
	Dealer Sign
nvoice / DN No.	Customer Sign I/We accept the terms and conditions of Warranty

LIMITED WARRANTY PERIOD : For a period of six months from the date of Sale / delivery of the product which ever is earlier. 2. LIMITED
WARRANTY OBLIGATION : Replacement of defective part(s) by authorized dealer are free of charges. If found defective by reasons of defective
material / poor workmanship, parts will be replaced and there will be no value re-imbursement. 3. TERMS & CONDITIONS : a. Claims under
warranty will be accepted on submission of Warranty Card duly filled and stamped by authorized dealer together with the original purchase
document. b. Shipping / transportation / Incidental charges incurred in replacing defective parts under warranty shall be borne by the purchaser.

#### WARRANTY null & void if

- (i) Lack of maintenance, (ii) Incorrect use of the machine or tampering, (iii) Use of non-genuine spare parts, (iv) Usage of acids, solvents, or any flammable materials, (v) Non-usage of filter water / clear water / soft water & using water above 40°C temperature, (vi) While using the pressure washers to draw water which is contaminated with dust & solvents (eg. paint thinners, gasoline, oil, etc.), (vii) Repair done by unauthorized service people, (viii) Those parts subject to wear & tear due to normal operations and plastic parts, rubber items etc., (ix) Loose connections, faulty electrical fixtures & fluctuations in power supply.
- 4. Should any failure occur during or after the warranty period, customer does not have the right to interrupt payment / price discount.
- 5. Incidental or consequential damages like inconvenience commercial loss, loss of tie, mental agony etc.
- 6. Loss of any nature due to operation or non-operation is not covered under warranty.
- 7. All free service are at Dealer's service point only.
- 8. Warranty ceases if service is not done periodically.
- 9. The attached card should be completed and returned to Ratnagiri Impex Pvt. Ltd. for registration immediately after sale / delivery.
- 10. The warranty is void unless you register the warranty card with Ratnagiri Impex Pvt. Ltd.
- 11. The decision of Ratnagiri Impex Pvt. Ltd., in settling the warranty is final in all respects.
- 12. All disputes are subject to Bangalore Courts Jurisdiction
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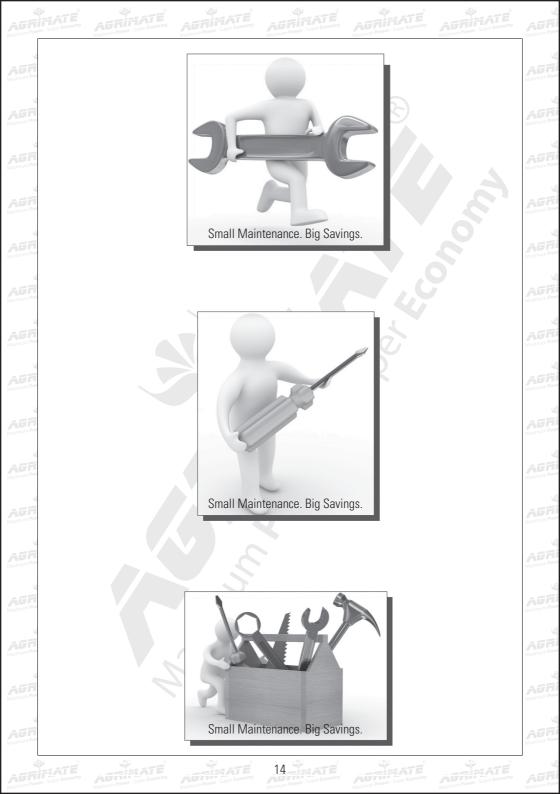
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	AMP-435F-4S WITH AX35		
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6	Dealer's Office Seal	- Charl and Adi anthe Carb anter Tailer	
<b>COR</b>		Start and Check the Noise, Vibration, Loosen / Fasteners etc.	101
Ximuitte		Product familiarization on Usage     Routine maintenance and Storage	Maximum
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GA	Dealer Signature	Customer Signature oy entire satisfaction without any labour charges. Only consumables were charged.	
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	AGRIFICATE <sup>®</sup> agriculture   hor	ticulture I sericulture I plantations I forestry I garden I health care	
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ximum Pov	2nd Fi	ree Service Coupon	Maximum Pr
	ratnagiri interesting interesting interest	CERTIFIED COMPANY	
		60 Days / 60 hrs (Which ever is earlier)	
ximum Pov		Serial Number	Maximum Pr
	AMP-435F-4S WITH AX35		
6	PDI Date	Purchase bill no. Date	3
	Convice No.		
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4		Check and Test the Fuel Mixture.     Check and Clean the Air Filter	2
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ximum Pov	Dealer's Office Seal	Check and Adjust the Carburetor Tuning     Check and Sharpen the cutting Tools	Maximum P
14		Start and Check the Noise, Vibration, Loosen / Fasteners etc.     Product familiarization on Usage	7
		Routine maintenance and Storage	-
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		y entire satisfaction without any labour charges. Only consumables were charged.	
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100	Muximum Power - Supor Economy		No.
	3rd Fr	ee Service Coupon	8
6	ratnagiri	- 150 9001-2015	
	FREE SERVICE COUPON (	90 Days /120hrs (Which ever is earlier)	AGE
	Model	Serial Number	- Marine
6	AMP-435F-4S WITH AX35		
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6	Service No.		
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ximum Pov		Check and Clean the Air Filter     Check, Clean and Adjust the Spark plug	Maximum P
1.4	Dealer's Office Seal	Check and Adjust the Carburetor Tuning     Check and Adjust the Carburetor Tuning	
		<ul> <li>Check and Sharpen the cutting Tools</li> <li>Start and Check the Noise, Vibration, Loosen / Fasteners etc.</li> </ul>	
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6	Dealer Signature	Customer Signature	NAN
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# Do's Don'ts

- Always read the instruction manual supplied along with the equipments and understand the correct installation and operating procedures before attempting to use the equipments.
- It is important to use the personal protection equipments such as head helmet with visor, ear defenders, goggles, safety gloves, cut resistant shoes, trousers and jackets while operating potentially dangerous machines.
- Avoid untrained persons using the equipments. Children must not be allowed to handle these equipments.
- Always use genuine spares and accessories in repairs and usage to derive maximum life of the equipments.
- Always keep the equipments in good working condition to minimise loss of output as well as to reduce the pollution and save the environment.
- Do not use the machine within range of persons unless they wear protective clothing.
- Do not operate the machine when fatigued or under the influence of alcohol or drugs.
- When the machine is running, please maintain a constant water supply. Without water circulation will damage the sealing rings of the machine.

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• For more query kindly contact for our Service Center/Dealer/franchise

# **Agrimate Army For Pest Control**

ANY WHERE - ANY TIME - ANY CROP



RATNAGIRI IMPEX PVT LTD Annapurna House, #1/1G, 7th Cross, New Guddadahalli Mysore Road, Bangalore-560 026 Customer Care: 1800 425 3036 email: info@ratnagiriimpex.com



www.ratnagiriimpex.com

AN ISO 9001:2015 CERTIFIED COMPANY