

# 9500M

**INDUSTRIAL GASOLINE GENERATOR**

## OPERATOR'S MANUAL



It is extremely important to read and understand the entire contents of this operator's manual before attempting to operate the product. This equipment is potentially hazardous and could cause physical injury or even death if improperly used.

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## Important Safety Warning Signals

Do not operate equipment until reading and understanding operator’s manual.



Read Operator’s Manual



Electric Shock



Fire



Ground Generator



Hot Surfaces



Keep Dry



Level



No Smoking



Proper Clearance



Proper Lifting



Store in Dry Place



Toxic Fumes



Wear Eye Protection

### REVIEW THIS MANUAL THOROUGHLY

Follow all instructions provided within this manual. This equipment can cause serious injury to people and animals and severe damage to property if operated negligently or incorrectly. Pay particular attention to all safety instructions, warnings and notices.



The signal words and meanings are intended to explain the level of risk associated with this product.

 **DANGER**

Indicates a hazard which, if not avoided WILL result in death or serious injury.

 **WARNING**

Indicates a hazard which, if not avoided, could result in death or serious injury.


 **CAUTION**

Indicates a hazard which, if not avoided, could result in minor or moderate injury.

# Important Safety Operation Information



Manufacturer shall not be responsible for any consequences resulting from improper use of this equipment. The operator is required to read the entire contents of this manual before attempting to operate the unit. If the operator does not completely understand the instructions and all of the hazards of operating this unit after reading this manual, operator must call the factory to answer these questions to operator's complete satisfaction before proceeding 1-800-845-4141.

- Read and completely understand entire contents of this operator's manual and become familiar with the unit before attempting to start using this equipment! It is your responsibility to know its applications, limitations, and hazards! Call the factory with any questions.
-  A minimum of three (3) feet of clearance on all sides is required.
- This unit is only to be used for its intended purpose; any other applications could void warranty;

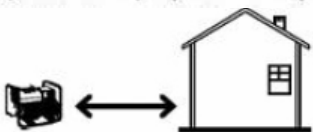
## FOR OUTDOOR USE ONLY

Never use this unit inside of any building, enclosure or a recreation vehicle (RV). No modifications will eliminate the danger of possible carbon monoxide poisoning, fire or explosion.



**⚠ DANGER** Using a generator indoors WILL KILL YOU IN MINUTES. Exhaust contains carbon monoxide, a poison gas you cannot see or smell.



NEVER use in the home or in partly enclosed areas such as garages.



ONLY use outdoors and far from open windows, doors, and vents.

- User, accepts responsibility for injuries and/or damage resulting from other applications.
- Inspect the entire system for leakage, weaknesses, damage or deterioration before each use.
- Follow ALL codes for the safe operation of this equipment, both local and federal (United States occupational safety and health - OSHA).
- Only people that are well acquainted with the rules of safe operation should use this equipment.
- KEEP children away from the unit.
-  Wear safety glasses and hearing protection.
- Do not stand on the unit or attempt to use it as a hand hold.
- Replace or repair any defective parts before using.
-  Do not fill gas tank if engine is hot. Do NOT fill the gas tank indoors.
- The engine governor is preset. Do not tamper with the setting. Excessively fast speeds will severely shorten the life of the engine and may be hazardous.

## WARNINGS AND CAUTIONS

In this manual and/or decals and tags on the unit are not all inclusive. It would be impossible to anticipate every circumstance that might involve a hazard handling.

**⚠ WARNING** Read the ENTIRE IMPORTANT SAFETY INFORMATION section at the beginning of this manual before set up or use of this product.

**⚠ WARNING CALIFORNIA PROPOSITION 65 WARNING:** Engine exhaust from this product contains chemicals and battery posts, terminals and related accessories are known to the state of California to cause cancer, birth defects and other reproductive harm.

# Important Safety

## Equipment Specific Warnings














**Read the ENTIRE IMPORTANT SAFETY INFORMATION section at the beginning of this manual before set up or use of this product.**

### **⚠ WARNING**

### **To prevent serious injury from accidental operation:**

Turn the unit off and disconnect the battery to prevent accidental starting.

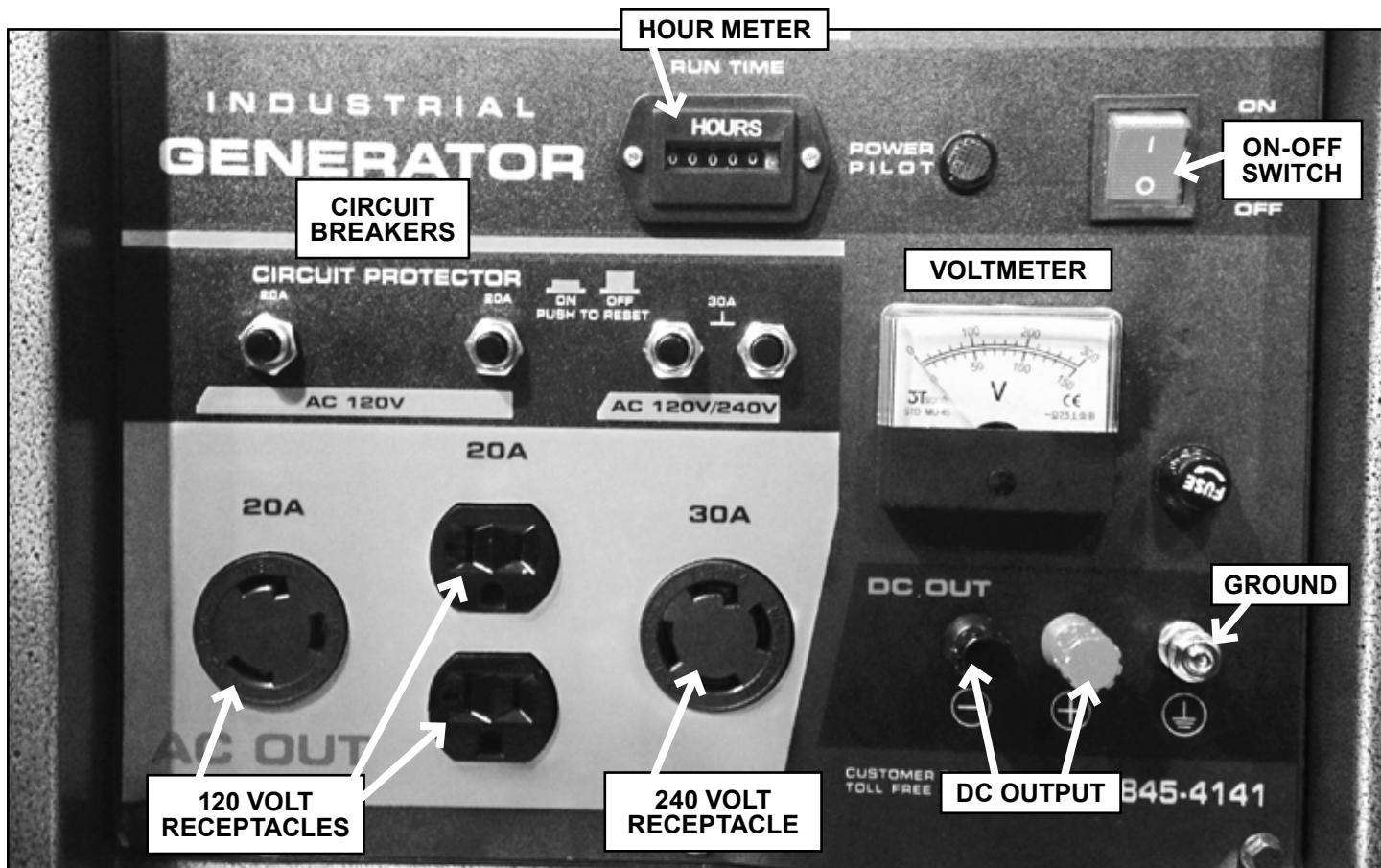
-  Generators produce a very powerful voltage that can cause extremely dangerous electrical shock. Avoid contact with bare wires, terminals, etc. Never permit an unqualified person to operate or service the generator.
-  Never handle any kind of electrical cord or device while standing in water, while barefoot, with wet hands or when feet are wet. Dangerous electrical shock could result.
-  The national electric code requires that the frame and external conductive parts be properly connected to an approved earth ground. Local electrical codes may vary. Check with an electrician for local grounding requirements.
-  Use a ground fault circuit interrupter in any damp or highly conductive area such as metal decking or steel work.
-  Do not use worn, bare, frayed or otherwise damaged electrical cords or wiring with the generator. A defective cord may result in electrical shock or may cause damage to equipment.

-  Do not expose unit to excessive moisture, dirt or corrosive vapors. Unit must be operated on a level surface.
-  Only operate this unit outside with adequate ventilation. This generator's exhaust produces carbon monoxide gas that can cause unconsciousness or even death.
-   Never store a generator with fuel in the tank where fuel vapors could be ignited by a flame, spark, or pilot light from an appliance such as a furnace, water heater, or clothes dryer.
-  Always allow a minimum of 3 feet of clearance on all sides for ventilation while unit is operating. Allow 3 feet of clearance from all combustibles.
- Generator must always be stopped or started with all loads disconnected. Start the engine and let it stabilize before connecting any loads. Disconnect all loads before shutting down the generator.
- Never insert any object through the cooling slots of the engine. You could damage the unit or cause injury.
-  Do not attempt to pick up the generator by yourself. The weight of the generator is 257 lbs. and should only be picked up using two able persons.

### **Never operate the generator:**

- **In wet or rainy conditions**
- **In an enclosed compartment**
- **If connected devices overheat**





## Wattage Reference Guide

Air Conditioning Unit (12,000 btu)	<b>1700</b>	*Jet Pump	<b>800</b>
Battery Charger	<b>500</b>	Lawn Mower	<b>1200</b>
Belt Sander	<b>100</b>	Light Bulb	
Chain Saw	<b>1200</b>	Microwave Oven	<b>700</b>
Coffee Maker	<b>900</b>	*Milk Cooler	<b>1100</b>
Air Compressor (1HP)	<b>2000</b>	Oil Burner on Furnace	<b>300</b>
Air Compressor (3/4HP)	<b>1800</b>	Oil Fired Space heater (140,000 BTU)	<b>400</b>
Air Compressor (1/2HP)	<b>1400</b>	Oil Fired Space heater (85,000 BTU)	<b>225</b>
Curling iron	<b>700</b>	Oil Fired Space heater (30,000 BTU)	<b>150</b>
Freezer	<b>700</b>	*Airless Paint Sprayer (1/3 HP)	<b>600</b>
Disc Sander	<b>1200</b>	Hand-held Airless Paint Sprayer	<b>150</b>
Edge Trimmer	<b>500</b>	Radio	<b>50</b>
Electric nail gun	<b>1200</b>	Slow Cooker	<b>200</b>
Electric Range	<b>1600</b>	*Submersible Pump (1-1/2 HP)	<b>2800</b>
Furnace Fan (1/3HP)	<b>1200</b>	*Submersible Pump	<b>2000</b>
Hair Dryer	<b>1200</b>	*Submersible Pump (1/2 HP)	<b>1500</b>
Hand Drill	<b>1200</b>	Sump Pump	<b>600</b>
Impact Wrench	<b>500</b>	Television	<b>500</b>

# Starting the Engine

## Manual Start



-   Be sure unit is on level ground, and in a well ventilated area.
- Check oil and gas for proper levels.
- Turn fuel valve to the “on” position (Figure #1).
- Turn the ignition switch to the “on” position.
- Place choke lever to the “start” position.
- Grip recoil starter and pull briskly.
- Once started return choke lever to the run position.
- Let engine stabilize before hooking up any electrical appliances.

FIGURE #1







ON

FIGURE #2



OFF

# Stopping the Engine

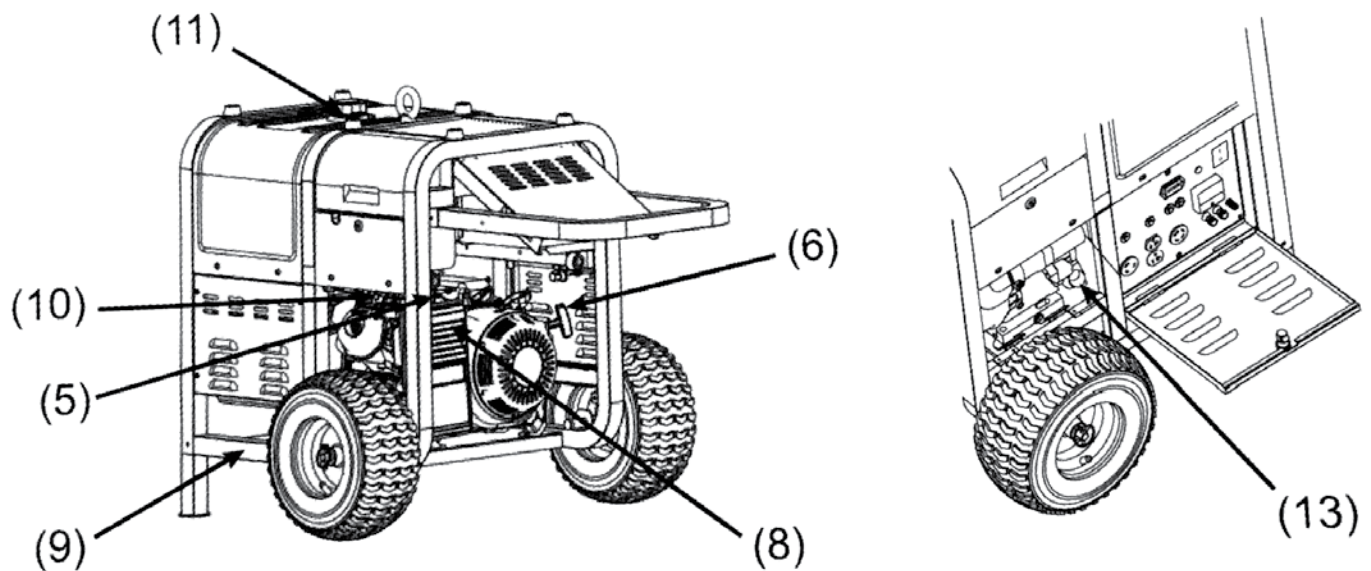
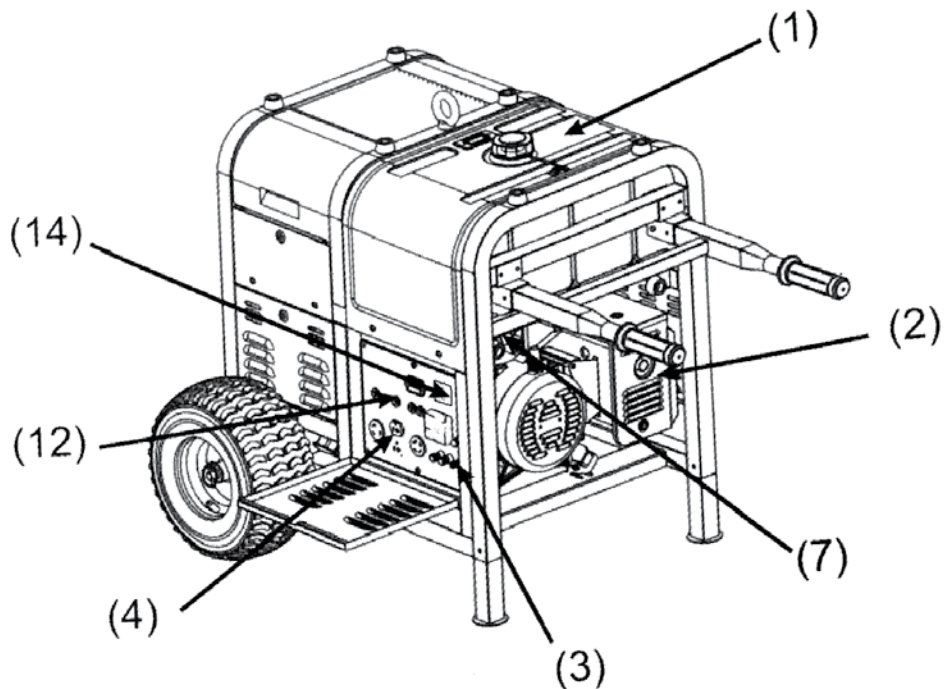
- Turn off all electrical devices connected to the generator.
-  **WARNING** Do not start or stop generator with electrical devices plugged in.
- Allow the generator engine to run at a ‘no load’ condition for several minutes to stabilize internal engine temperature before stopping.
-  Turn fuel valve to the “off” position (Figure #2).
-  Keep the generator clean and dry. Use a damp cloth to clean exterior surfaces. Remove caked on dirt with a soft brush.
-  Never spray with water. Water will cause electrical shorts in the electrical system.

## MAINTENANCE SCHEDULE

D=daily; M=monthly	D	M	3 M	6 M
Check Air Filter	x			
Check For Oil Leaks	x	x		
Replace Air Filter				x
Change Oil			x	



# Generator Features



(1) Fuel tank

(2) Muffler

(3) DC Posts

(4) Receptacles

(5) Carburetor choke lever

(6) Starter handle

(7) Fuel shut off

(8) Air cleaner

(9) Pipe frame

(10) Spark plug

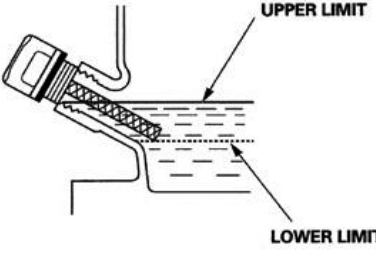
(11) Fuel tank cap

(12) Breaker

(13) Oil gauge dipstick

(14) On/off switch

# Operation

CHECK AND FILL OIL	CHECK AND FILL FUEL	CHECK/REPLACE FILTER
<p><b>⚠ CAUTION</b></p> <p><b>Do not attempt to start the engine before checking oil.</b></p> <ol style="list-style-type: none"> <li>1. Place generator on a level surface.</li> <li>2. Clean area around oil fill opening.</li> <li>3. Remove the dipstick.</li> <li>4. Wipe the dipstick clean.</li> <li>5. Reinsert dipstick and check oil level.</li> <li>6. DO NOT OVERFILL.</li> <li>7. CLOSE OIL CAP.</li> <li>8. Change oil as published.*</li> </ol> 	<p><b>⚠ WARNING</b></p> <p><b>Do not overfill! Leave room for fuel expansion.</b>  <b>Never fill fuel indoors.</b>  <b>Never fill fuel when engine is hot or running.</b>  <b>Do not smoke or fill.</b></p> <ol style="list-style-type: none"> <li>1. Fill with gasoline fuel only.</li> <li>2. Clean area around fuel cap.</li> <li>3. Remove fuel cap.</li> <li>4. Add fuel to fuel tank.</li> <li>5. DO NOT overfill. Do not fill above the red plug inside the fuel tank filter (this allows for fuel expansion).</li> <li>6. Replace fuel cap.</li> <li>7. Wipe up any spilled fuel.</li> </ol> <p><b>⚠ DANGER</b> <b>Fuel tank should never be filled indoors.</b>          Avoid spilling fuel on hot engine and allow engine to cool completely before fueling. Never fill fuel tank when engine is running or when hot. Do not light a cigarette or smoke when filling the fuel tank. Gasoline vapors are highly explosive.</p>	<p><b>⚠ CAUTION</b></p> <p><b>Do not clean air filter with any type of detergent.</b></p> <ol style="list-style-type: none"> <li>1. Remove cover panel.</li> <li>2. Loosen screw and remove air filter cover.</li> <li>3. Never wash air cleaner with any kind of detergent or cleaning solvent.</li> <li>4. Air filter should be changed if engine performance decreases or color of exhaust changes.</li> <li>5. Never run engine without air filter. This will cause rapid engine wear.</li> </ol>




\*The first oil change should take place after the initial run time of five hours. After the initial five-hour runtime, the oil is to be changed every 30 hours.



# Spark Plug Maintenance

The spark plug must be properly gapped and free of deposits in order to ensure proper engine operation.

- Remove the spark plug cap.
- Clean area around the base.
- Remove the spark plug.
- Inspect the spark plug for damage and clean with a wire brush. If there is any damage, the plug should be replaced. If you replace the plug, use the recommended spark plug or equivalent: NGK-BPR6ES or Champion RN9YC.
- The gap between the electrodes is .027'-.030"  
**SEE ENGINE MANUAL.**
- Thread the spark plug in by hand to prevent cross threading.
- If using a NEW plug, once the plug seats by hand, tighten the plug 1/2 rotation with a wrench to compress the washer.
- If reusing the old plug, once the plug seats by hand tighten the plug 1/8-1/4 rotation with a wrench to compress the washer.

 **DANGER** Disconnect spark plug wire from spark plug. Keep the wire away from the spark plug.



NEVER cover the generator while engine and exhaust areas are warm.

# Changing the Oil

- Remove the oil cap or dipstick.
- Place a container underneath the drain bolt.
- Unscrew the oil drainage bolt.
- Allow oil to drain completely.
- Reinstall the drainage bolt and tighten securely.
- Refill the oil per the check and fill instructions above.
- 32-38 ounce oil capacity in the crankcase depending on the amount of oil drained.
- Reinstall the dipstick.

**NOTE:** Used oil must be disposed of properly. Take used motor oil to an approved recycling center.

\*The first oil change should take place after the initial run time of five hours. After the initial five-hour runtime, the oil is to be changed every 30 hours.

## CAUTION

Hot oil may cause burns.



Allow engine to cool before draining oil. Avoid prolonged or repeated skin exposure with used oil. Thoroughly wash exposed areas with soap.

**GASOLINE GENERATOR ENGINES REQUIRE 10W/30 TYPE API SJ or HIGHER**

# Limited Warranty

American Fab equipment is warranted to be free from defects in material and workmanship for a period of ONE year after date of purchase. The engine is warranted for a period of two years.

See engine manual for details.

## Troubleshooting

PROBLEM	CAUSE	SOLUTION
Engine is running but no power output is available.	<ol style="list-style-type: none"> <li>1. Circuit breaker is open.</li> <li>2. Poor connection or defective cord set.</li> <li>3. Connected device is bad.</li> <li>4. Fault in generator.</li> </ol>	<ol style="list-style-type: none"> <li>1. Reset the circuit breaker.</li> <li>2. Check and repair.</li> <li>3. Connect another device that is in good condition.</li> <li>4. Contact service center.</li> </ol>
Engine runs good until loads are connected, then bogs down.	<ol style="list-style-type: none"> <li>1. Short circuit in a connected load.</li> <li>2. Overloaded generator.</li> <li>3. Engine speed is too slow.</li> <li>4. Short in generator circuit.</li> </ol>	<ol style="list-style-type: none"> <li>1. Disconnect shorted load.</li> <li>2. See 'Connecting electrical loads' section of manual.</li> <li>3. Contact service center.</li> </ol>
Engine will not start or engine starts but runs rough.	<ol style="list-style-type: none"> <li>1. Ignition switch is turned 'OFF'.</li> <li>2. Dirty air cleaner.</li> <li>3. Out of fuel.</li> <li>4. Stale fuel.</li> <li>5. Not enough speed or force is used for recoil start.</li> <li>6. Water in fuel.</li> <li>7. Low oil Level.</li> <li>8. Engine has lost compression.</li> <li>9. Fouled spark plug.</li> </ol>	<ol style="list-style-type: none"> <li>1. Press the ignition switch to 'on'.</li> <li>2. Clean air filter.</li> <li>3. Fill fuel tank.</li> <li>4. Drain fuel tank and refill.</li> <li>5. Read and follow directions.</li> <li>6. Drain and refill tank.</li> <li>7. Add oil to proper level.</li> <li>8. Contact service center 1-800-845-4141.</li> <li>9. Replace spark plug per engine manual specification.</li> </ol>
Engine shuts down during operation.	<ol style="list-style-type: none"> <li>1. Out of fuel.</li> <li>2. Fault in engine.</li> <li>3. Low oil level.</li> </ol>	<ol style="list-style-type: none"> <li>1. Fill fuel tank.</li> <li>2. Contact service center.</li> <li>3. Add oil to proper level.</li> </ol>
Engine lacks power.	<ol style="list-style-type: none"> <li>1. Load is too high.</li> <li>2. Dirty air filter.</li> <li>3. Engine needs to be serviced.</li> </ol>	<ol style="list-style-type: none"> <li>1. See 'connecting electrical loads' section of manual.</li> <li>2. Replace the air filter.</li> <li>3. Contact service center.</li> </ol>



# 9500M

## INDUSTRIAL GASOLINE GENERATOR

MODEL

**9500M**



### Features

- 420cc - Gasoline Engine
- Manual Start
- Circuit Breaker Protection
- Steel Sleeve Cylinder
- Low Oil Shutdown
- One Year Equipment Warranty
- Two Year Engine Warranty

### Specifications

Maximum Output	7200 Continuous, 8400 Surge Watts
Receptacles	(2) L5-20, (1) L5-30, (2) L14-30
Total Amperage	30 AMPS
Noise Level	74 dB @ 10'
Fuel Capacity	12.3 Gallons
RPM	3850 +/- 150
Size / Weight	L-32, W-36, H-32 / 270 Lbs.

*Manufactured by:*

**American Fab of SC, LLC**

P.O. Box 879

Travelers Rest, SC 29690

**AmFabSC.com**

**Customer Service:**

**1-800-845-4141**