



GA-6HA AC Generator

Starting Instructions

The following instructions are intended to assist the user in starting the GA-6HA AC Generator. Please read the entire instructions before starting.

Engine Oil Check

1. To check the engine oil level, place the generator on secure level ground with the engine stopped.
2. Remove the filler cap/dipstick from the engine oil filler hole and wipe it clean.
3. Insert and remove the dipstick without screwing it into the filler neck. Check the oil level shown on the dipstick.
4. If the oil level is low (Figure 1), fill to the edge of the oil filler hole with the recommended oil type (Table 1). Maximum oil capacity is 1.16 quarts (1.1 liters).

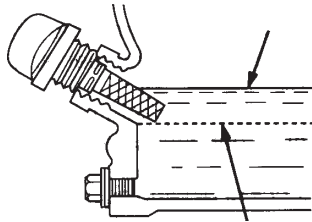


Figure 1. Engine Oil Dipstick (Oil Level)

Table 1. Motor Oil Grade

| Season or Temperature | Grade of motor oil (higher than MS class) |
|---|---|
| Spring, Summer or Autumn +120° F to +15° F | SAE 30 |
| Winter +40° F to +15° F | SAE 30 |
| Below +15° F | SAE 10W-30 |

WARNING Explosive Fuel Hazards

Gasoline is extremely flammable, and its vapors can cause an explosion if ignited. **DO NOT** start the engine near spilled fuel or combustible fluids.

DO NOT fill the fuel tank while the engine is running or hot. **DO NOT** overfill tank, since spilled fuel could ignite if it comes into contact with hot engine parts or sparks from the ignition system. Store fuel in approved containers, in well-ventilated areas and away from sparks and flames.



Fuel Check

1. Close the fuel cock before filling the fuel tank.
2. Remove the fuel cap located on top of fuel tank.
3. Read the fuel gauge located on top of the fuel tank (Figure 2) to determine if the fuel level is low. If fuel is low, replenish with **clean unleaded fuel**.



Figure 2. Fuel Gauge

4. When refueling, be sure to use a strainer for filtration. **DO NOT** top-off fuel. **DO NOT** fill the tank beyond capacity. Wipe up any spilled fuel **immediately!**

Before Starting the Engine

1. Be sure to **disconnect all electrical loads** from the generator prior to starting the engine.
2. **NEVER** start the engine with the main circuit breaker in the **ON** position. Always place the main circuit breaker (Figure 3) in the **OFF** position before starting.

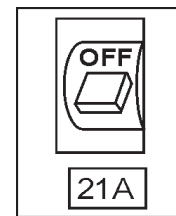


Figure 3. Main Circuit Breaker (OFF)

Starting the Engine

1. Place the engine **fuel valve lever** (Figure 4) to the **ON** position.

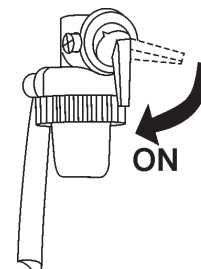


Figure 4. Engine Fuel Valve Lever

- Place the **choke lever** (Figure 5) in the **CLOSED** position if starting a **cold** engine.

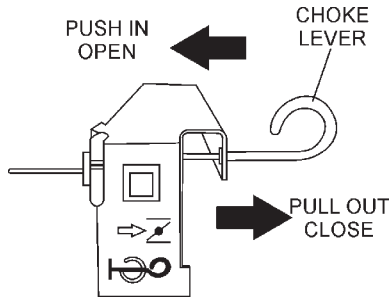


Figure 5. Choke Lever

- Place the **choke lever** (Figure 5) in the **OPEN** position if starting a **warm engine** or the **temperature is warm**.
- Place the generator **ON/OFF** switch (Figure 6) in the **ON** position.

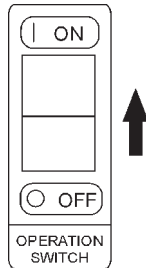


Figure 6. Generator On/Off Switch

- Grasp the starter grip (Figure 7) and slowly pull it out. The resistance becomes the hardest at a certain position, corresponding to the compression point. Pull the starter grip briskly and smoothly for starting.

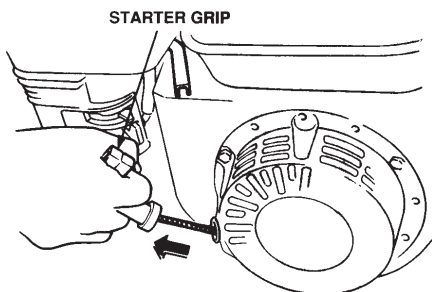


Figure 7. Starter Grip

- If the engine has started, slowly return the choke lever (Figure 5) to the **OPEN** position. If the engine has not started, repeat steps 1 through 5.
- Before the generator is placed into operation, run the engine for 3-5 minutes. Check for abnormal smells, fuel leaks, and noises that would associate with loose components.

- Place the **idle control switch** (Figure 8) in the **ON** (up) position.

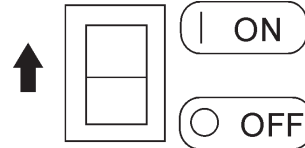


Figure 8. Idle Control Switch

Connecting the Load

- Place the full power switch (Figure 9) in the 120V or 240/120V position depending on application.

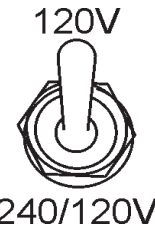


Figure 9. Power Switch

- If small wattage power tools are required, connect them to the 60 Hz output receptacles at this time.
- Place main circuit breaker (Figure 10) in the **ON** position.

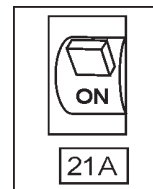


Figure 10. Main Circuit Breaker (ON)

Stopping the Engine

- Place the main circuit breaker (Figure 3) in the **OFF** position.
- Place the **idle control switch** (Figure 8) in the **OFF** position.
- Let the engine run at idle with no load for 2-3 minutes.
- To shut down the engine, place the generator **ON/OFF** switch (Figure 6) in the **OFF** position.
- Place the engine **fuel valve lever** (Figure 4) to the **"OFF"** position.
- Remove the **load** from the generator.



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