
SERVICE BULLETIN

Original Issue Date: 2/03

Model: **Alpha 5 Generator Sets**

Market: **Residential/Commercial**

Subject: **Startup Check after Prolonged Storage**

Introduction

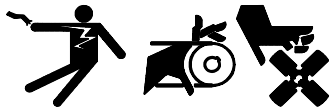
Additional startup checks are required for units placed into service after being stored for an extended period of time. If the unit is stored for six months or longer, the secondary pressure regulator valve may stick to its seat and prevent the fuel from reaching the engine.

This procedure is considered a startup item and is not covered under warranty.

Use the following procedure to release the regulator valve from its seat.

Safety Precautions

WARNING



**Accidental starting.
Can cause severe injury or death.**

Disconnect the battery cables before working on the generator set. Remove the negative (-) lead first when disconnecting the battery. Reconnect the negative (-) lead last when reconnecting the battery.

Disabling the generator set. Accidental starting can cause severe injury or death. Before working on the generator set or connected equipment, disable the generator set as follows: (1) Move the generator set master switch to the OFF position. (2) Disconnect the power to the battery charger. (3) Remove the battery cables, negative (-) lead first. Reconnect the negative (-) lead last when reconnecting the battery. Follow these precautions to prevent starting of the generator set by an automatic transfer switch, remote start/stop switch, or engine start command from a remote computer.

Gas fuel leaks. Explosive fuel vapors can cause severe injury or death. Fuel leakage can cause an explosion. Check the LP vapor gas or natural gas fuel system for leakage by using a soap and water solution with the fuel system test pressurized to 6-8 ounces per square inch (10-14 inches water column). Do not use a soap solution containing either ammonia or chlorine because both prevent bubble formation. A successful test depends on the ability of the solution to bubble.

Startup Check Procedure

1. Place the remote start/stop switch in the STOP position.
2. Place the generator set master switch in the STOP position.
3. Disconnect the power to the battery charger, if equipped.

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4. Disconnect the generator set engine starting battery, negative (-) lead first.
 5. Shut off the fuel supply to the generator set.
 6. Disconnect the fuel line at the secondary regulator's fuel inlet, item 2 in Figure 1.
 7. Remove two fittings from the secondary regulator's fuel inlet. See item 3 in Figure 1.
 8. Insert the eraser end of a pencil into the fuel inlet of the secondary regulator until the eraser contacts the fuel valve. See Figure 1.
- Note:** Use a clean pencil or other blunt, non-metal instrument. Do not insert sharp, pointed, or metal instruments into the fuel regulator. They may damage the valve.
9. Push the pencil in an additional 3-5 mm (1/8-3/16 in.) to loosen the valve from the seat.

10. Clean the fuel fittings that were removed in step 7 with a dry cloth or brush. Apply a UL-approved pipe sealant suitable for use with gaseous fuel systems to all threaded connections and reinstall the fittings.
11. Reconnect the fuel line at the secondary regulator's fuel inlet.
12. Turn on the fuel supply to the system.
13. Check for leaks using soap solution or a gas leak detector.
14. Reconnect the generator set engine starting battery, negative (-) lead last.
15. Reconnect the power to the battery charger, if equipped.

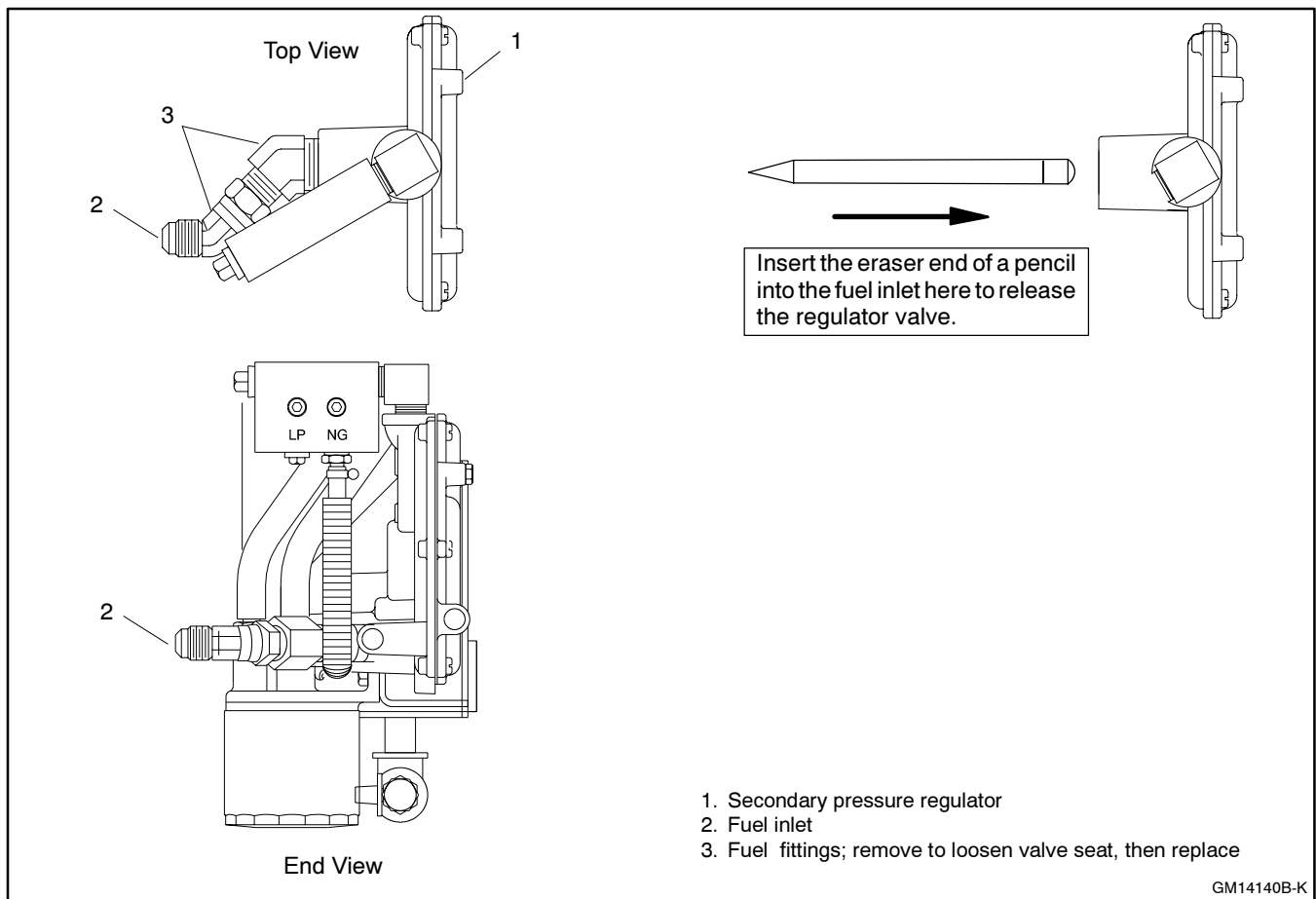


Figure 1 Secondary Fuel Regulator