



TECHNICAL SERVICE BULLETIN

No. 988410-001 Rev. 1
Machine: 8410 Gas &
LP
System: Engine, gover-
nor

8410 GOVERNOR ADJUSTMENT PROCEDURE

PRODUCT CHANGE DESCRIPTION:

The 8410 machines feature a new style of engine governor assembly. The carburetor and governor actuator are now combined together. A governor control box is still used. If the engine is surging, follow the adjustment procedures below.

SPECIAL INSTRUCTIONS / PARTS ORDERING :

Please follow the procedure instructions.

Early 8410 parts manuals listed the governor components as a complete assembly. They can be ordered separately if needed.

SPECIAL TOOLS / CONSIDERATIONS:

(Estimated Time to complete: 1 hours) Hand tools

PROCEDURE:

(Refer to Figure 1)

1. Verify that the problem is the governor and not engine related. Check the carburetor air/fuel mixture settings.

TO ADJUST THE GOVERNOR

1. Start the engine and let it warm to temperature. (130-140 degrees F)
2. If more than three engine surges occur, remove the plug covering the surge adjustment screw, turn the surge adjustment screw (located on the back of the governor control box under the hole plug) counterclockwise one-eighth of a turn.
3. Repeat this procedure until less than three surges occur. The correct governed engine speed with the machine under load is 2,400 rpm. 2,600 RPM on diesel engines
4. Reinstall the hole plug if removed for adjustment. If there is continued surging refer to TSB 960136 for further troubleshooting.

FOR SAFETY: Before leaving or servicing machine, stop on level surface and set parking brake.

NOTE: See the following pages for parts locations and information

Adding a jamb nut to the governor box mounting studs will prevent the studs from threading out when removing the governor box in the future. You will need four additional nuts to do this.

Backside of Governor control box

Surge adjustment
Potentiometer

RPM set Pot.

Governor
box

LP carburetor

Fuel mixture screw

Gas carburetor

