



SERVICE BULLETIN

NO. 70

SEC. VIII, DIV. A
SERVICE BULLETIN
Issued March, 1957

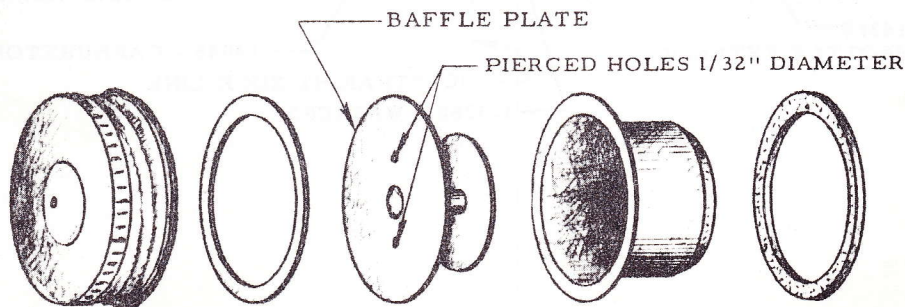
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SUBJECT: GOVERNOR HUNTING OR SURGING-MODEL VS 1100-126.

A quantity of these engines were sold to Thor Power Tool for a generator application. It is important that we give good service to this application. It has been noted that in a few cases the governor on Model VS 1100-126 surges or hunts. When this condition is encountered the following steps should be taken to locate the cause and to correct it:

1. The air cleaner bolt is .160" diameter and can be used as a gauge for proper setting of the float as follows:
Remove bowl and place the bolt on the upper flange of the carburetor body directly opposite the inlet needle and bend the inlet needle lever until the above diameter is obtained.
2. Set power needle (under load if possible) for optimum setting. There should be approximately 1/2 turn from rich to lean and the optimum setting is usually 1/4 turn from the lean or rich setting.
3. Hold the throttle closed and set the idle mixture with the engine running at approximately 1200 R.P.M.
4. In the splash proof fuel filler cap, there is a baffle which is supposed to have two pierced holes in the baffle plate. (See illustration, Ref. No. 1) Disassemble the cap and hold the baffle in front of a light. The hole openings should be approximately 1/32" diameter. If they aren't pierced large enough, use a pointed punch on a piece of wood and enlarge them to proper size.

REFERENCE #1 SPLASHPROOF GAS CAP ASSEMBLY



(OVER)

5. Ref. No. 2.

The shoulder screw (A) hole location in the carburetor throttle lever (B) may, in a few cases, be mislocated. This can be checked by laying a straight edge through the center of the throttle shaft extending to the center of the unused governor link hole. Check dotted line (C). The center of the tapped hole should fall in a straight line between the center of the throttle shaft and the unused governor link hole. If the center falls even slightly to the left of the line, the lever and shaft should be replaced. A variation of about 1/32" to the right of the line is permissible.

Correct part numbers are listed for your assistance in obtaining correct parts for repair if necessary.

REFERENCE #2
THROTTLE LINKAGE ASSEMBLY

