SERVICE BULLETIN # 1017

SUBJECT CARBURETOR AND GOVERNOR ASSEMBLIES – INSTALLATION PROCEDURES

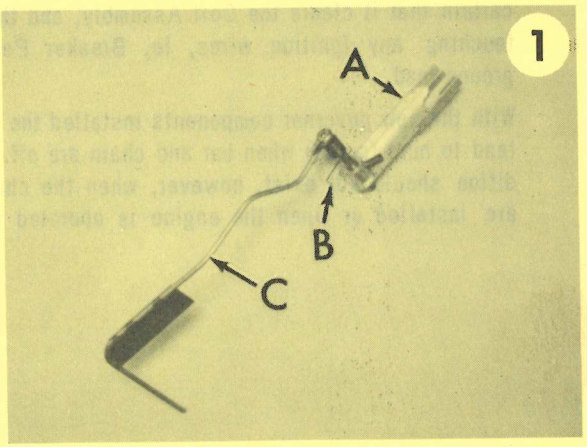
MODEL S-44 — D-44 – 55 – S-55 DATE 3/20/58

New Carburetor and Governor Assemblies have been released to provide a more efficient governor action throughout a wider operating speed range for Models D-44, S-44, 55 and S-55 chain saw engines.

The new Carburetor Assemblies, part number 51984, are being installed on production engines now, and are being shipped from the factory on service parts orders in place of Carburetor Assemblies, part number 51548.

Part numbers for the new Governor Assembly components (See Figure 1) are:

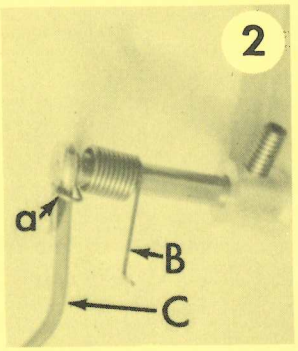
A. 52502.....Governor Arm Lever Assembly.
B. 52493.....Governor Spring.
C. 52498.....Governor Arm Assembly.

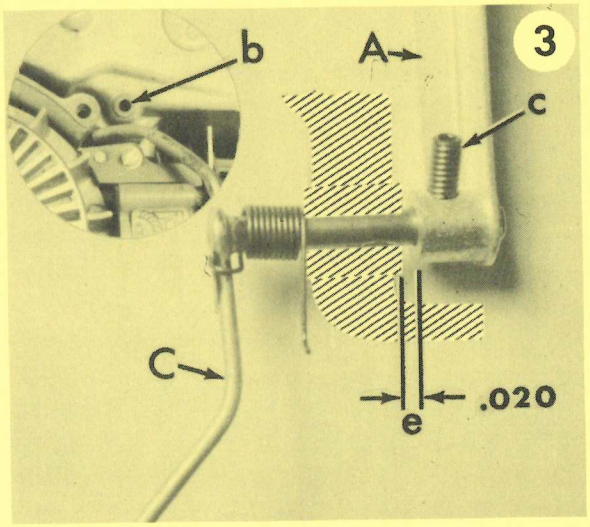


The new Governor Assembly components, designed for use with the new Carburetor Assembly, part number 51984, can be used with the early Carburetor Assemblies, part number 51548, providing the Throttle Shaft, part number 51714, is replaced with Throttle Shaft, part number 51714A.

Instructions for installing the Governor Assembly are as follows:

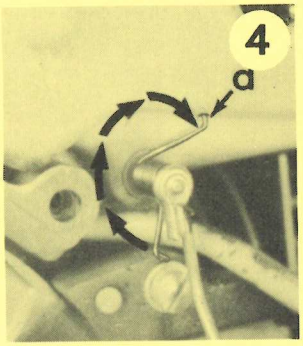
1. Install Governor Spring (B) on Governor Arm Assembly (C). (See Figure 2.)



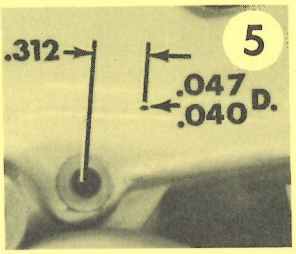


2. Insert Governor Arm (C) through opening in fuel tank bottom (b) (See Figure 3) and engage Governor Arm Lever Assembly (A). (Do not tighten set screw (c) at this time.)

3. With small hook on Governor Spring (B) engaging Governor Arm Assembly (C) (See Figure 2, point a), wind free end of spring up, against tension, and engage end in hole on tank bottom. (Figure 4, point d).



NOTE: On Model D-44 and 55 engines, and on early S-44 and S-55 engines, the hole (d) for retaining Governor Spring end was not drilled in the fuel tank bottom. This hole will have to be drilled on these engines before the new governor is installed. Hole size and location are shown in Figure 5.



4. Push Governor Arm Assembly (C) against tank bottom and, allowing a clearance of .020 of an inch between bushing in fuel tank hole and Governor Arm Lever (A) (See Figure 3, point e), tighten set screw (c) securing Governor Arm Lever Assembly (A).

LITHO IN U.S.A.

With the Governor Assembly components properly installed, the throttle should be in the open position and the Governor Arm should rest against the Crankcase Cover. (See Figure 6)

NOTE: Check the Governor Arm Assembly (C) and make certain that it clears the Coil Assembly, and that it is not touching any ignition wires, ie, Breaker Point lead or ground lead.

With the new governor components installed the engine will tend to hunt (surge) when bar and chain are off. This condition should not exist, however, when the chain and bar are installed or when the engine is operated under load.

