



SERVICE BULLETIN

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AIRCOOLED MOTORS INC.
SYRACUSE 4, NEW YORK

NO. B-70

SUBJECT: GROUND SPRING AND GROUND WIRE ASSEMBLY AS USED ON BENDIX-SCINTILLA MAGNETOS ON FRANKLIN ENGINES

The Bendix-Scintilla magnetos used on Franklin engines incorporate a ground spring which is part of the magneto point assembly. In the event magneto points are replaced or any adjustment made to the magneto which would disturb the ground spring, it is important to check the following:

- 1) Since the ground terminal assembly controls the position of the ground spring, the terminal assembly should be checked for length after removing it from the magneto (Figure 1).

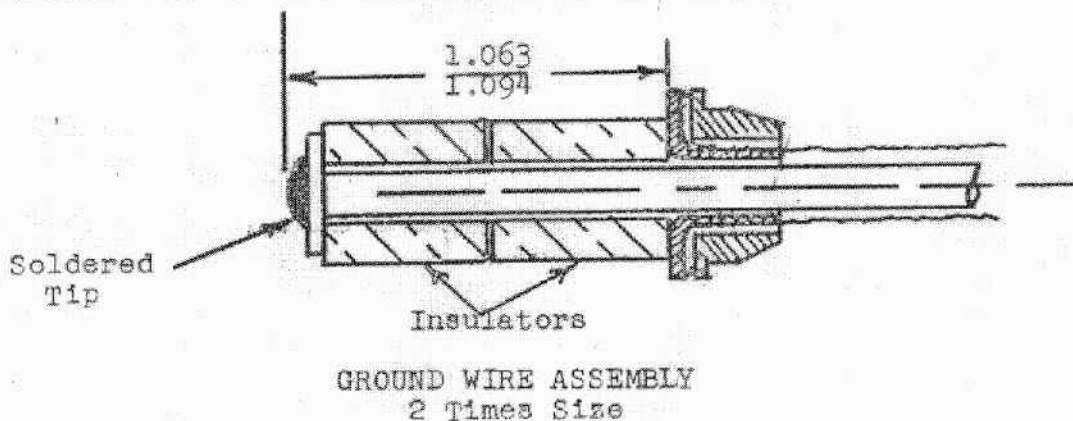


FIGURE 1

As shown above, the distance from the soldered tip of the ground wire to the end of the insulators held against the tip of the ground wire should measure 1.063" to 1.094" (1-1/16" minimum to 1-3/32" maximum).

- 2) With the back breaker cover removed, install and tighten the ground terminal assembly in position in the magneto after having checked as in Paragraph 1. With the ground terminal in position, the ground spring should not be contacting on the magneto case. You should also check to see that the spring is not contacting on the inside of the breaker cover when the breaker cover is placed in position. Note that the ground spring clears both the magneto cover and the breaker cover when in position.