

# Packard SERVICE TECHNICAL Bulletin

To: Zones and Dealers

56T-26

Subject: Armature Test - Push Button Motor

Dealer 20

November 20, 1956

There have been reports from the field concerning difficulties when attempts have been made to test the Push Button Motor armature part 6484426 in the usual manner, using a growler and steel strip.

This armature because of the type of windings and connections will test shorted when tested by this method. Armatures of this type may have equalizer connectors between some of the commutator bars or may be connected in such a way as to have a closed circuit when placed on the growler. As a result of such tests with this type of armature, units may be condemned even though they are completely within specifications.

To test this armature or any armature of this type, use an AC voltmeter with a full scale reading of 2 to 3 volts in addition to the growler. Connect the voltmeter leads to test probes and place the armature on the growler. Adjust the voltmeter test points so that they will touch adjacent bars and touch each pair of commutator segments until the highest reading is obtained. While making this test do not move the armature in the growler. When the highest reading is obtained, note the position of the test probes in relation to the growler. Hold the probes in this position and turn the armature in the growler. Read the meter for each pair of segments. Be sure to hold the probes in the same position while the armature is being rotated. The meter reading should be nearly uniform for each pair of segments tested. If a short is present the meter reading will be almost zero while if an open exists the reading will be extremely high when testing the coil in which the open exists.

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