



AVIATION TECHNICAL BULLETIN

Champion Spark Plug Company

P.O. BOX 910, TOLEDO · U.S.A. · 43661

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NO. 85-13

CT-475AV TESTER CALIBRATION

Periodically, we receive spark plugs from customers who claim the plugs will not spark steadily in their tester. Our checking and testing of these same plugs proves them to be mechanically and electrically sound. This, of course, leads us to suspect that their tester is not operating properly.

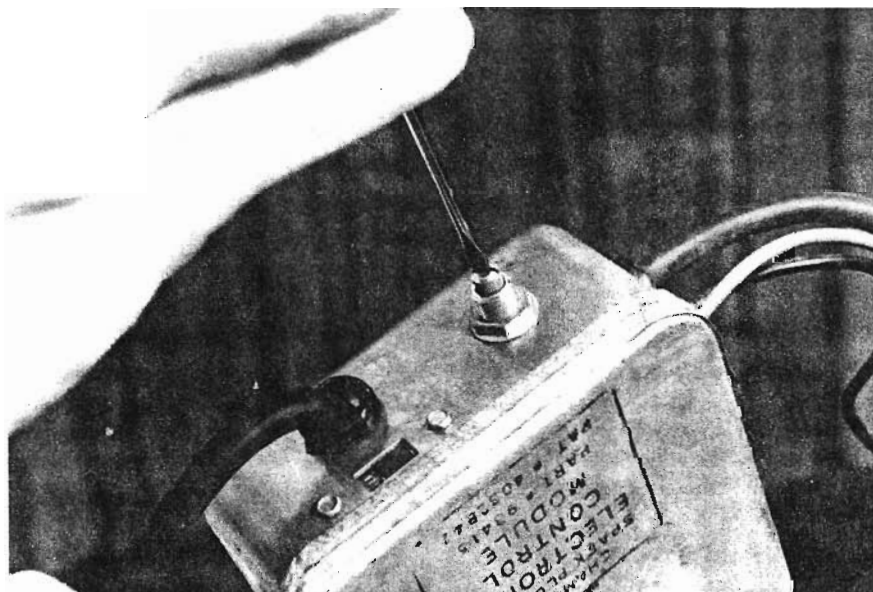
To assure your tester is performing properly, the following steps should be followed:

1. Make sure full 115V or 230V AC current is delivered to the tester control module. Shopline voltage fluctuation will affect the transformer output.

Once you are satisfied the tester shopline voltage is correct, the electronic control module then should be checked to assure it is functioning properly.

2. Set a new J12YC or J43 to .035" (0.9 mm) gap. Install it in the pressure chamber and increase the pressure until the indicator needle reaches 125 psi. Firmly push the tester button switch. Adjust the voltage control (see photo) on the bottom of the electronic control module until the arc is just extinguished. The unit is now properly calibrated for all spark plug testing.

CT-475AV VOLTAGE ADJUSTMENT



JTQ/mf
