



# AVIATION TECHNICAL BULLETIN

Champion Spark Plug Company

P. O. BOX 910, TOLEDO, OHIO 43601

NO.72-9

September 1, 1972

ROUTE TO	
SERVICE MANAGER	
SALES MANAGER	
BULLETIN BOARD	

CONTROLLED  
COPY

## SPARK PLUG TESTERS NEED TESTING, ALSO!

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.



Model 2700 Tester

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 transformer. Shopline voltage fluctuation will affect the transformer output.


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

2. Install a new J-43 spark plug gapped carefully at .045. The transformer should be capable of sparking the plug steadily at 140 p.s.i.

If the plug does not fire at 140 p.s.i., the transformer may need to be adjusted.

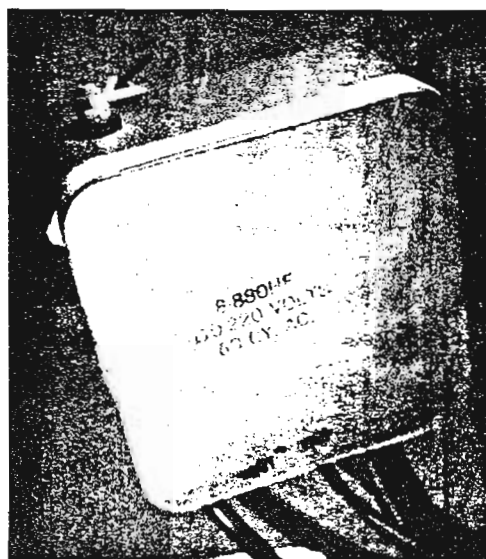
To adjust the transformer:

- (a) Loosen the lock nut on the voltage adjustment screw of the transformer (arrow). Turn the adjusting screw clockwise  until the J-43 spark plug fires steadily at 140 p.s.i.

Note: To decrease voltage, turn adjustment screw counter-clockwise .

- (b) Re-secure lock nut once the voltage adjustment is completed.

If adjustment fails and the shopline voltage is correct throughout the test, replace the transformer, Part No. 8-880HE.



Transformer

\*\*\*