



AVIATION TECHNICAL BULLETIN

Champion Spark Plug Company

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REL37B APPROVAL

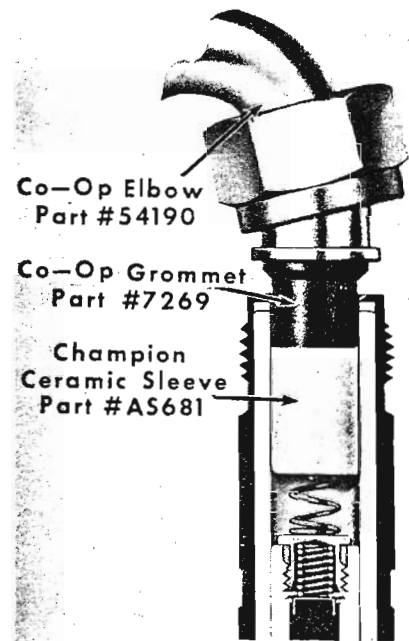
Champion Spark Plug Company is pleased to announce the receipt of FAA approval of our REL37B aviation spark plug in the Bristol Siddeley (de Havilland) Gypsy Queen Models 30 and 70 engines. This approval is covered on FAA's Engine Type Certificate Nos. E-294 (Model 30) and E-310 (Model 70) respectively.

Present Gypsy Queen engines in service are equipped with the British 11/16"-24 ignition harness elbows. This British elbow will not attach to the REL37B since the connector barrel threads of this plug are of the universal 5/8"-24 configuration; therefore, a conversion elbow is needed.

Through the efforts of both Champion and Co-Operative Industries, Inc., a special conversion elbow was developed and service tested in conjunction with evaluation of the REL37B spark plug. The elbow is available and can be procured under Co-Op Part #54190. Retrofitting of these new elbows is a simple matter of removing the old terminal sleeve, disconnecting the elbow nut at the shielded-end of the ignition harness, and carefully sliding the elbow off the ignition wire. Reverse this procedure when installing the new parts.

Note: On some ignition leads, it may be necessary to trim the wire slightly.

In addition to the above, field experience has shown that to insure maximum protection against moisture entry and connector well flashover in the 5/8"-24 design spark plug, the use of the short length ceramic terminal sleeve in conjunction with a silicone seal grommet is highly recommended. (See illustration for hook-up.) The ceramic terminal sleeve is Champion Part #AS-681 while the seal grommet is Co-Op Part #7269.



Co-Op parts mentioned above can be obtained through their normal distribution channels.

CHAMPION SPARK PLUG COMPANY

R. L. Anderson
Aviation Service Manager

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