



Aviation Technical Bulletin

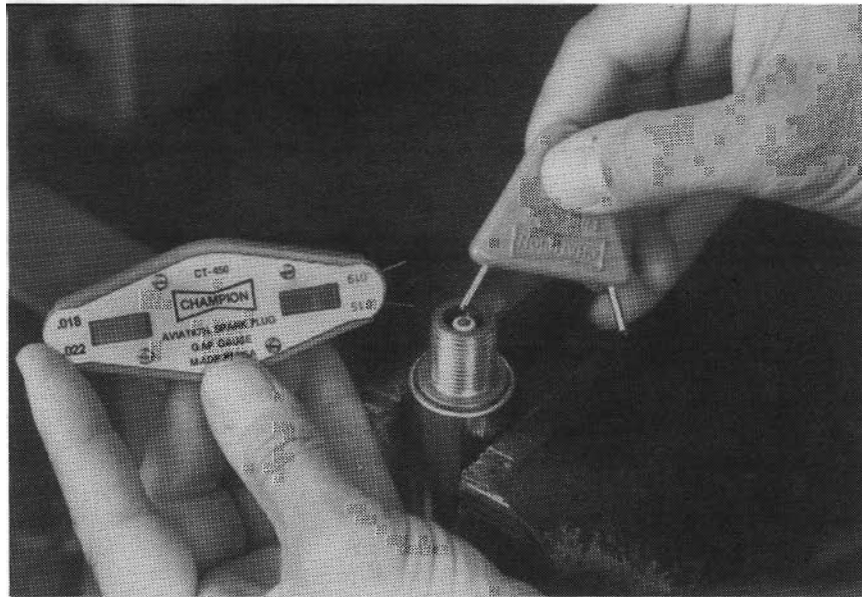
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SERVICING THE IRIIDIUM "S" PLUG

Champion Iridium "S" spark plugs can provide long plug life and superior engine performance when properly maintained. They should be rotated for polarity each 100 hours of operation, as described in Technical Bulletin 83-3. Additionally, they should be cleaned and re-gapped using the procedure described below.



The Iridium "S" plug may be cleaned with an abrasive blast or glass bead cleaner, using a pressure setting of not greater than 80 psi. The particle spray should not be maintained for greater than 5 seconds per blast to prevent insulator damage and bending of the electrode. See Champion's Aviation Service Manual (AV-6R) for more detailed instructions.

Use the CT-457 adjusting tool, available from your Champion Distributor, to re-gap the Iridium "S" plug, if necessary. The spark plug can be supported in a vise-mounted socket, as illustrated, or held in hand. Place the gapping tool slot on the ground electrode and carefully adjust the gap, making sure not to disturb the center electrode. Check the gap with the CT-450 gauge. Gap setting should be .015 GO and .019 NOGO.

Caution: Do not overwork or bend the electrode excessively. Iridium, though extremely resistant to spark and chemical erosion, can fracture if mishandled.

Champion Aviation Products: Your Blueprint for Performance