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# TECHNICAL BULLETIN

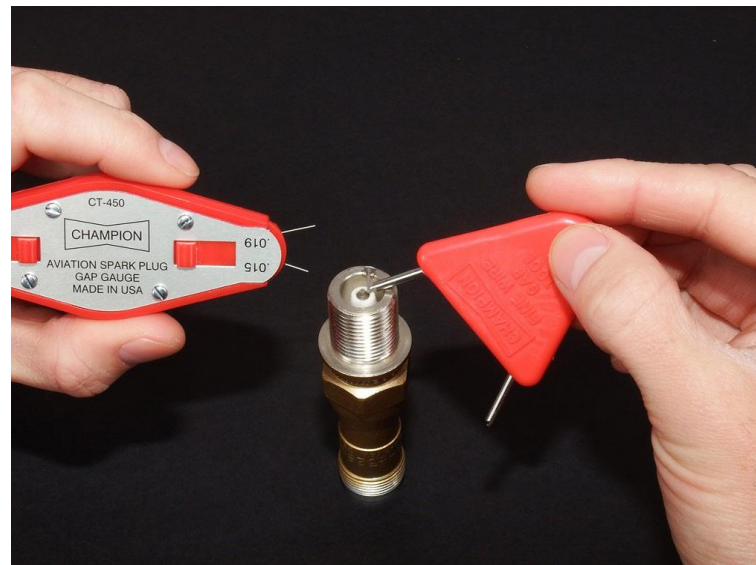
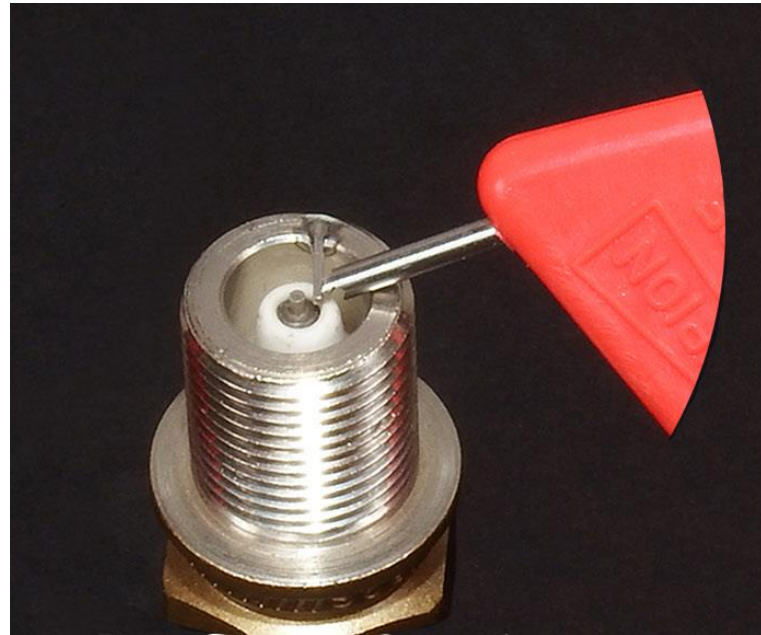
## Servicing the iridium fine wire spark plug

16-001  
Supersedes 93-2  
February 25, 2016

Champion Iridium fine wire spark plugs can provide long plug life and superior engine performance when properly maintained. Spark plugs should be rotated for polarity each 100 hours of operation, as described in Champion's Aviation Service Manual (AV6-R). Additionally, they should be cleaned and re-gapped using the procedure described below.

The Iridium "S" type plug may be cleaned with an abrasive blast or glass bead cleaner, using a pressure setting of not greater than 60 psi. If using glass beads, it is important to use the proper sieve size (200 - 325). The particle spray should not be maintained for more than 5 seconds per blast to prevent insulator damage. See Champion's AV6-R manual for more detailed instructions.

Use the CT-457 adjusting tool, available from your Champion distributor, to re-gap the Iridium "S" type plug, if necessary. The spark plug can be supported in a vise-mounted socket 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. IRIIDIUM, THOUGH EXTREMELY RESISTANT TO SPARK AND CHEMICAL EROSION, CAN FRACTURE IF MISHANDLED.**

SPARK ✦ IGNITE ✦ EXCITE