



# AVIATION TECHNICAL BULLETIN

Champion Spark Plug Company

P. O. BOX 910, TOLEDO, OHIO 43601

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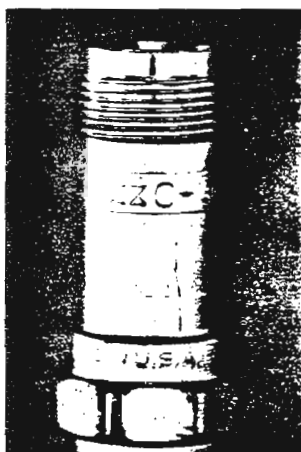
NO. 71-9

ROUTE TO	
SERVICE MANAGER	
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## SHORT PLUG LIFE??

CONTROLLED  
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Can you imagine a plug with zero operating hours being rejected for further use? Such a plug is pictured below.



Damaged Terminal Threads



No. CT-430 3/8" Drive "Plug-Mate"  
Magnetic Spark Plug Socket

Also available --  
No. CT-430-B  
Same as CT-430 but with 1/2" square drive

A badly worn spark plug socket or a 12 pt. socket may cause such damage. Terminal thread damage is a sure sign to suspect ceramic insulator cracks. The side pressures to the shielding barrel may be transmitted through to the barrel ceramic insulator. This side pressure may crack the insulator and cause the spark plug to short out.

A 6 pt. plug socket, as shown, is inexpensive insurance against this kind of plug damage. In fact, this socket (CT-430) has a built-in magnet that prevents dropped plugs -- another cause of short plug life.

REMEMBER -- damaged shielding barrel threads may cause improper ignition lead installation as well.

Regular inspection of spark plug sockets will save you and your customer a lot of grief.

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