



# AVIATION TECHNICAL BULLETIN

Champion Spark Plug Company

P. O. BOX 910, TOLEDO, OHIO 43601

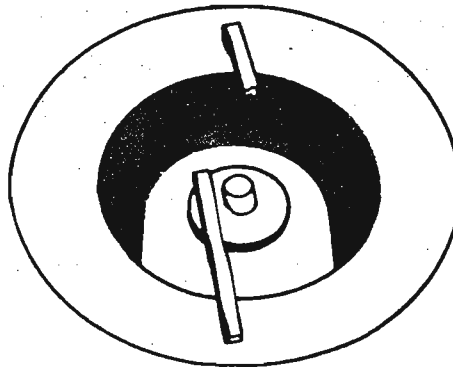
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ROUTE TO	
SERVICE MANAGER	
SALES MANAGER	
BULLETIN BOARD	

## IRIDIUM

Precious Metal -- Handle With Care



Like most precious things, it must be handled with care.

Each time you re-set the gaps of a spark plug, you are bending, or working, the metal. The iridium alloy also work hardens, but at a much faster rate than platinum.

Through field experience, operators have found that due to the small erosion rate of iridium spark plugs, it is not necessary to re-set the spark plug gap every 100 hours. They merely inspect, lightly clean, and re-install. The electrodes are adjusted only when the gaps grow to .023" or .024" -- that is well within the engine manufacturers' specifications.

By following this above practice, bending of the ground electrodes is kept to a minimum. Thus, there is less chance of work hardening the iridium electrodes and eventually breaking them off prior to their expected service life.

Field experience has proven iridium to be superior over platinum to survive in a high lead salt environment. It is very precious and does require EXTRA CARE.

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*first choice for dependable engine performance*