



# Aviation Technical Bulletin

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## REM37BY ELECTRODE WEAR

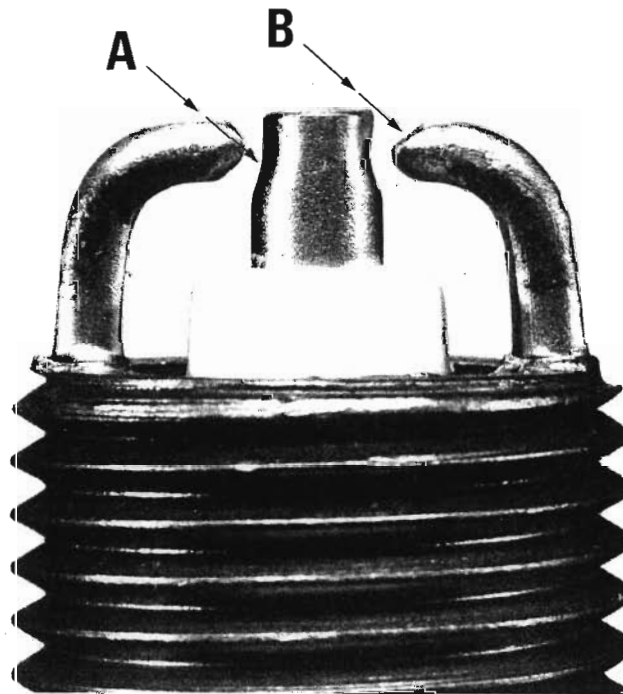


Illustration "A" of the above photograph depicts center electrode bottlenecking. The erosion adjacent to the ground electrode is a normal condition, which occurs as the result of electrical erosion and chemical corrosion. When the REM37BY reaches this condition it should be replaced, as the center electrode sheath has eroded more than two-thirds the original thickness. Service beyond this condition could expose the copper core which would cause rapid erosion, extremely wide gaps, and an increasing possibility of misfire.

Illustration "B" demonstrates ground electrodes eroded to a knife edge, or pointed condition, which is also a criteria for replacing the spark plug. The pointed condition reduces the sparking plate area, leading to rapid erosion and wide gaps.

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JTQ/mf