



# Aviation Technical Bulletin

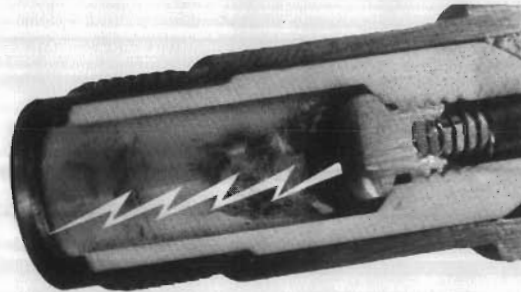
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BOARD*Bringing Power to Flight*

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## CONNECTOR WELL FLASHOVER



ONE DIRTY CIGARETTE OR CONTAMINATED BARREL INSULATOR CAN ROB THE ENGINE OF TWO HORSEPOWER AT TAKE-OFF.

IF DIRT AND MOISTURE ACCUMULATE ON THE CIGARETTE OR BARREL INSULATOR, CONNECTOR WELL FLASHOVER MAY OCCUR, RESULTING IN PLUG MISFIRE.

CIGARETTES, SEALS, AND BARREL INSULATOR MUST BE KEPT CLEAN AND DRY. REASONABLE REPLACEMENT PERIODS FOR THESE PARTS ( $\frac{1}{2}$  OVERHAUL TIME) IS INEXPENSIVE INSURANCE AGAINST THE FLASHOVER.

### RECOMMENDED CLEANING METHODS:

1. THE CHAMPION MODEL CT-475AV SPARK PLUG SERVICE UNIT HAS TWO FLEXIBLE RUBBER ADAPTERS (14 AND 18MM) TYPES THAT MAKE IT POSSIBLE TO CLEAN CONNECTOR WELLS BY USING THE DRY BLAST METHOD.
  - A. Insert the barrel end approximately half the length into the rubber adapter and press red button marked "Abrasive Blast". Rotate the plug for three to five seconds.
  - B. Pull spark plug up until barrel threads rest against rubber adapter. Continue rotating action and press the black button marked "Air Blast" to remove abrasive particles from the barrel-end.
2. ANOTHER METHOD FOR CLEANING THE TERMINAL WELL, AS WELL AS THE CIGARETTES, IS USING ONE OF THE FOLLOWING MATERIALS: STODDARD SOLVENT, WOOD ALCOHOL, OR METHYLETHYLKETONE. DO NOT USE CARBON TETRACHLORIDE; IT LEAVES A RESIDUE THAT IS CONDUCTIVE. SIMPLY SATURATE A COTTON SWAB OR FELT PAD WITH ONE OF THE ABOVE-RECOMMENDED FLUIDS AND WASH AWAY THE CONTAMINANTS.

ONCE THE CIGARETTES HAVE BEEN CLEANED, DO NOT TOUCH THEM. THE MOISTURE IN YOUR FINGERS IS ENOUGH TO RECONTAMINATE THE CIGARETTES.

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