

THE WARNER AIRCRAFT CORPORATION  
20263 Hoover Avenue  
Detroit 5, Michigan

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Sheet No. 1  
No. of Sheets: 2

SERVICE LETTER A-16

**Subject:** Carburetor Heat Control Valve Assembly No. 7720 and 7989 -  
Drilling of Drain Hole to Eliminate Fire Hazards

**To:** All owners of Warner Scarab 125 HP Engines using the 7720  
Heater Valve Assembly. (Engine Serial No. 1105E and up)  
All owners of Warner Super Scarab 145 HP Engines using  
the 7720 Carburetor Heat Control Valve Assembly. (Engine  
Serial No. SS-251E and up)  
All owners of Warner Super Scarab 165 HP Engines using  
the 7989 Carburetor Heat Control Valve Assembly. (Engine  
Serial No. SS-2005 to 2151 Inclusive)  
All Warner Aircraft Service Representatives

**NOTE:** The later model 165 Engines were furnished with the No. 8290 Carburetor Heat Control Valve Assembly in which two butterfly valves instead of the cup shaped valve is used. The No. 8290 assemblies are not affected by this Service Letter.

1. In order to eliminate the fire hazards from fuel collecting in the cup shaped valve of the No. 7720 and 7989 Heat Control Valve Assembly, when the valve is in the midway position, a drain hole must be drilled in the valve as soon as possible as indicated in Figure 1 and 2 of this Service Letter. The drilling of the 3/32" diameter drain hole may readily be accomplished by removing the Carburetor Heat Control Valve Assembly from the engine. It is not necessary nor desirable to disassemble the units further for this operation, but it is important that all burrs be removed from the edges of the drilled hole and all chips carefully washed out before the heat control valve is reassembled to the engine.
2. Care must be exercised that the control valve is in the position shown in Figure 1 in which the rear or hot air opening is completely closed when the hole is being laid out and drilled. When these instructions are carried out, the drain hole is at the lowest point when the control valve is in the half-way position.

