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Service Letter No. SL-AG-104
15 May, 1996

FIREWALL FUEL FILTER DRAIN ACCESS HOLE ENLARGEMENT

MODELS AFFECTED: All turbine S2R equipped with a firewall fuel filter.

REASON FOR PUBLICATION:

An operator of a Garrett powered S2R Thrush reported that the firewall fuel filter quick-drain was forced open by upward movement of the belly skin during engine run-up. This condition allowed air to enter the fuel line and resulted in an engine flame-out.

The purpose of this Service Letter is to prevent the belly skin from interfering with the position of the firewall fuel quick-drain by adding additional clearance between the two.

COMPLIANCE Time: Upon receipt of this Service Letter.

BY WHOM WORK WILL BE ACCOMPLISHED: A & P mechanic or equivalent.

APPROVAL: Technical portions are FAA approved.

ESTIMATED COMPLETION TIME: 1.0 man-hours.

PARTS DATA: None.

SPECIAL TOOLS: Drill motor and rotary file or equivalent. Emery or sand paper.

ACCOMPLISHMENT

INSTRUCTIONS:

1. View the firewall fuel filter quick-drain access hole from directly beneath the quick-drain port and note its location relative to the access hole in the belly skin. If it is not on center, place masking tape over the hole and mark the center of the quick-drain on the masking tape.
2. Remove the belly skin from the aircraft.
3. Scribe a 1.75 inch diameter (0.875 or 7/8 radius) circle centered on the existing hole or on the mark indicating the center of the firewall fuel filter quick-drain on the masking tape.
4. With a rotary or similar tool, enlarge the existing hole by removing the aluminum skin material from within the scribed circle.
5. With emery or fine sand paper, smooth the edge of the hole.
6. Touch-up paint as required.
7. Replace the belly panel, and function test the firewall fuel filter quick-drain.
8. Record compliance with this Service Letter as shown below and return the aircraft to service.

WEIGHT AND BALANCE: No change.

PUBLICATIONS AFFECTED: None.

RECORD OF COMPLIANCE:

Make an entry in the aircraft permanent records as follows:

Ayres Service Letter SL-AG-104, Firewall Fuel Filter Quick-Drain Access Hole Enlargement, dated 15 May 1996 accomplished on _____ (date) .

Sign and indicate certificate number.