

Service Bulletin

Fuel Systems

Bulletin No. : PRS-96
Date: 5-14-90
Revised:

Subject: Recall Of Flow Divider, Part Number 2524232-2, For Rework Of Threads In Flow Divider Body.

1. PLANNING INFORMATION:

A. EFFECTIVITY:

Flow dividers, P/N 2524232-2, with the following serial numbers:

Note: Serial numbers are located on the side of the flowdivider body. (Numbers were hand written using an electric engraving pencil.)

012501 through 012546
019001 through 019050
020901 through 020946
021001 through 021047
021501
021101 through 021110
021201 through 021227
021301

B. REASON:

Deep counter sinks on four 6-32 threaded holes in the flow divider body may cause short thread engagement with the mating screws. This short thread engagement may result in stripped threads at overhaul and a possible fuel leak.

C. DESCRIPTION:

This bulletin provides instructions for removing and reinstalling the flow divider assembly on the aircraft. On those flow dividers listed above, compliance to the bulletin will be identified by the letter "T" added to the end of the flow divider serial number.

D. COMPLIANCE:

(1) Within the next 50 hours of flight service or before June 1, 1991, whichever occurs first.

COMPLIANCE (cont)

The flow divider shall be returned for rework immediately if it has been removed and disassembled for any reason.

- (2) Flow divider assemblies must be returned to Precision Airmotive Corporation (P.A.C.) for rework.
- (3) P.A.C. will assume the cost of rework and up to 2 hours of labor (at the posted shop rate) for removal and installation of the flow divider from the aircraft.

Contact Precision Airmotive Corporation, Sales or Product Support, for additional information
 Phone: 206-353-8181; FAX: 206-353-3545

E. APPROVAL:

Not applicable

F. MANPOWER:

Not applicable

G. MATERIAL:

Not applicable

H. TOOLING:

Not Applicable

I. WEIGHT AND BALANCE:

Not affected

J. ELECTRICAL LOAD DATA:

Not affected

K. PUBLICATIONS AFFECTED:

Not applicable

2. ACCOMPLISHMENT INSTRUCTIONS:

- A. Remove the subject unit from the engine by disconnecting the fuel inlet and outlet lines at the "B" nut fittings. Note: Leave all elbow fittings intact with the flow divider. Cap all fuel inlet and outlet fittings and/or pack the assembly in a sealed plastic bag.

ACCOMPLISHMENT INSTRUCTIONS (cont)

- B. Return assembly to P.A.C. at the following address:

Precision Airmotive Corporation
3220 - 100th Street S.W. #E
Everett, WA 98204

Attn: Product Support

Upon return of reworked flow divider from P.A.C.,
proceed with installation as follows:

- C. Disconnect fuel injection lines from fuel injection nozzles.
- D. Carefully remove inserts from nozzles and identify to allow the inserts to be reinstalled in the proper location.
- E. Use CLEAN shop air to blow out all fuel injection lines, inserts and nozzle bodies (still installed in cylinder).
- F. Visually inspect inserts for cleanliness.
- G. Reinstall flow divider and reconnect fuel lines but do not reconnect lines to the nozzles.
- H. Purge the fuel injection system by flowing fuel through the lines for 10 seconds with boost pump on, injector in full rich and full throttle. Note: Use a suitable container at each nozzle location to capture fuel.
- I. Reinstall inserts in original nozzle locations and torque "B" nuts to 40-50 in-lbs.
- J. Ground run engine and verify proper idle mixture and speed. Move the mixture control lever to the manual cutoff position and verify good clean engine shutdown.
- K. Verify all fuel connections are tight and that there are no fuel leaks.
- L. Make appropriate log book entry.



R. Jenson
Manager, Product Support