

	FLOW DIVIDER TEST REPORT - OVERHAUL NTSB		AFS824-F9	REV: 3
			APPROVED BY:	Dale Ballenger Engineering Manager
				Feb 28, 2013

Serial #: A-385 Work Order Number: 216802
 Part #: 2524232-2 Customer: NTSB
 Test Date: 6/24/2015 Technician's Name: MARK HEERMAN

The following tests are to be performed in accordance with the procedure described in Precision Airmotive's Overhaul Manual and Parts List Form 15-540E dated 2/23/09 or later FAA approved revision, and Lycoming drawing specifications.

Initial Leakage Flow Rate:

With the inlet port connected to the flow bench, the gage port sealed and the outlet ports open, set the supply pressure to 1 psig. The total flow from the Flow Divider (FD) should be LESS THAN 0.5 PPH.

Minimum Fuel Flow Requirements:

	Number of Outlets	Test Inlet Pressure (psig)	Minimum Fuel Flow (PPH)	Actual Test Fuel Flow (PPH)	PASS (P) or FAIL (F)
2 psi FD (with AV2521635 spring)	4	4.5	90	 	
	6	4.5	135	132	F
	8	4.5	180	 	
4 psi FD (with AV2577011 spring)	4	7.0	90	 	
	6	7.0	135	 	
	8	7.0	180	 	

Fuel Distribution Requirements:

Total Flow of all ports (PPH)	Discharge from each port PASS (P) or FAIL (F)
6.0	

Technician Signature/Date: Mark Heerman 06/24/15