



SIL RS-54

Service Information Letter - Fuel Systems

SMALL RECIPROCATING ENGINES

Flow Dividers

Issued 01/28/00

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SUBJECT: Service Information for the following Flow Dividers:

2576526-1 2576532-1 2576534-1 2576548-1
2576552-1 2576556-1 2576564-1

PURPOSE: To provide repair shops with Parts List information and differences of the above listed Flow Dividers .

DESCRIPTION: The service information found in manual 15-540C is applicable to the above Parts Lists except as follows:

- A. **EFFECTIVITY:** This Service Information Letter is applicable to all flow dividers with the above listed parts lists. These flow dividers are installed on Lycoming engines.
- B. **REASON:** These flow dividers were released for new aircraft installations.
- C. **COMPLIANCE:** Information only.
- D. **DESCRIPTION:** The service information found in manual 15-540C is applicable to the above listed flow dividers except as follows:

1. Reference manual 15-540C, IPL, Figure 3-5:

Flow Divider Assy	Body Assy
2576526-1	2576525 (See Figure 3-4)
2576532-1	2576531 (See Figure 3-3)
2576556-1	2576531 (See Figure 3-3)
2576564-1	2576563 (See Figure 3-3)

2. Reference manual 15-540C, IPL, Tables 3-1A & 3-2A:

Flow Divider Installation	2576534-1	2576548-1	2576552-1
Flow Divider Assembly	2539004 (Fig 3-4)	2576547 (Fig 3-3)	2576551 (Fig 3-3)
Inlet Port	Part No. MS51500B6 Position N/A	MS51500B6 N/A	365046 78°
Gage Port	Part No. 392522 Position N/A	392522 N/A	392522 N/A
Port #1	Part No. 367718 Position N/A	367718 N/A	393401 280°
Port #2	Part No. 367718 Position N/A	367718 N/A	393401 260°
Port #3	Part No. 367718 Position N/A	367718 N/A	2522082 135°
Port #4	Part No. 367718 Position N/A	367718 N/A	2522082 135°
Port #5	Part No. 367718 Position N/A	367718 N/A	393401 140°
Port #6	Part No. 367718 Position N/A	367718 N/A	367718 N/A
Port #7	Part No. 367718 Position N/A	367718 N/A	N/A N/A
Port #8	Part No. 367718 Position N/A	367718 N/A	N/A N/A

3. Reference manual 15-540C, IPL, Figure 3-3:

Item #	2576531 Part #	2576547 Part #	2576551 Part #	2576563 Part #	Description
1	2576531	2576547	2576551	2576563	Flow Divider Assy
4	2577032 (*90°)	2577032 (*0°)	2577032 (*0°)	2577032 (*90°)	Cover Assy, Divider
4a	2538710	2538710	2538710	2538710	Cover, Divider
4b	2577031	2577031	2577031	2577031	Tube, Vent
5	2521635 (2 psi)	2521635 (2 psi)	2521635 (2 psi)	2577011 (4 psi)	Spring, Flow Divider Valve
11	2523417	2523229	2523417	2523417	Body, Divider

* See paragraph 6. for cover orientation.

4. Reference manual 15-540C, IPL, Figure 3-4:

Item Number	2576525 Part Number	Description
1	2576525	Flow Divider Assy
5	2577011 (4 psi)	Spring, Flow Divider Valve

5. Reference manual 15-540C, Overhaul, Table 2-3: (Revise as shown)

	Number of Flow Divider Outlets	Test Inlet Pressure	Minimum Fuel Flow
2 psi Flow Dividers (with 2521635 spring)	4	4 ½ psi	90
	6	4 ½ psi	135
	8	4 ½ psi	180
4 psi Flow Dividers (with 2577011 spring)	4	7 psi	90
	6	7 psi	135
	8	7 psi	180

6. New section, Vented Cover Orientation. Install cover with vent fitting oriented as shown below.

