



SI M20-69

DATE: 11-10-83

**SUBJECT:** MOONEY M20J FUEL PRESSURE HOSE RETROFIT.

**MODEL/SERIAL NUMBERS AFFECTED:** MOONEY M20J S/N 24-0378 thru 24-1377.

**TIME OF COMPLIANCE:** At next annual or 100 hour inspection.

**INTRODUCTION:** Reports have been received from the field concerning deteriorated fuel pressure transducer hoses.

It is recommended that fuel pressure hoses on above affected aircraft be inspected for brittleness and for deterioration and if found, a new fire resistant hose assembly, P/N 600375-27, be obtained and installed.

**INSTRUCTIONS:**

1. Remove top and bottom cowling per Service and Maintenance Manual.
2. Remove and discard existing aluminum clamps from fuel pressure transducer, P/N 880007-501 and induction tube (See Figure 1).
3. Remove electrical wiring from the transducer terminals.
4. Remove fuel pressure transducer, 880007-501 from existing hose assembly, S94B90145 (See Figure 1).
5. Remove existing hose assembly, S94B90145, from restrictor (610120-000) on engine injector; leave restrictor on engine (see Fig. 2). Discard S94B0145 hose assembly.
6. Attach new hose assembly, P/N 600375-27 to MS51503-B3 adapter and transducer, 880007-501. Attach the other end of hose assembly 600375-27 to the restrictor, 610120-000, on engine injector (see Fig. 2).
7. Attach one of the new MS21919WCH25 steel clamps to the transducer and the other to the induction tube so they will fit together to secure the fuel pressure transducer. Use the existing hardware to attach the clamps (see Fig. 1).
8. Ensure that the 600375-27 hose assembly is at least 1.25 inches from the exhaust headers.
9. Connect the two electrical wires to the transducer terminals.
10. Energize the auxiliary boost pump to pressurize the system; check for leaks and check fuel pressure gauge indication.
11. When all connections are secure and system is functioning properly reinstall top and bottom cowling per Service and Maintenance Manual.

**REFERENCE DATA:** N/A

**PARTS LIST:** Kit P/N SI M20-69-1

QTY	PART NO.	DESCRIPTION
1	600375-27	Hose Assembly, Fire Resistant
2	MS21919WCH25	Clamp, Steel
1	MS51503-B3	Adapter

**FIGURE/TABLE NO.:** See Figure 1 and 2 attached.

