



Service Information Letter - Fuel Systems

SIL RS-101

SMALL RECIPROCATING
ENGINES

All RSA

Issued 11-12-2013

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SUBJECT: Use of Brass Manual Mixture Control Valves

PURPOSE: To provide clarification for the use of brass manual mixture control valves when overhauling RSA fuel injection servos.

- A. **EFFECTIVITY:** This Service Information Letter (SIL) is applicable to all RSA fuel injection servos overhauled using the existing brass mixture control valve.
- B. **REASON:** Brass mixture control valves were replaced by hardcoated aluminum valves in 1985. However these brass valves continue to be used in overhauls (which is allowed by the current component maintenance manuals). This SIL provides cross reference information as well as information regarding marking of servos using these parts.
- C. **COMPLIANCE:** Brass mixture control valves may only be used in accordance with this SIL.
- D. **INSTALLATION:**
 - 1. Brass mixture valves are acceptable to use in place of the current aluminum hardcoated valve according to the following table.

CURRENT ALUMINUM HARDCOAT VALVE	ACCEPTABLE BRASS VALVE
2541265	2525195
2541562	2525196
2541563	2525197
2541564	2537628
2541565	2525842

- 2. Prior to re-use, brass valves shall be inspected and reworked according to the applicable component maintenance manual.
- E. **IDENTIFICATION:** Mark "RS101" on the name plate to indicate that the unit contains a brass manual mixture control valve.