

Service Information Letter - Fuel Systems

SMALL RECIPROCATING ENGINES

RSA-5AD1

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**SUBJECT: Rework Instructions for RSA-5AD1 Fuel Injection Servo
Installed on Slingsby T-3A Aircraft.**

PURPOSE: To provide instructions for rework of throttle bodies of RSA-5AD1 fuel injection servos installed on T-3A aircraft.

Revisions 1 & 2 change Figure 1 to clarify rework.

- A. **EFFECTIVITY:** This Service Information Letter is applicable to RSA-5AD1 fuel injection servos, parts list 2524054-11, installed on Slingsby T-3A aircraft. These servos are installed on Lycoming AEIO-540-D engines.
- B. **DESCRIPTION:** On Slingsby T-3A aircraft a throttle cable support bracket is installed on the back side of the airbox mounting flange on the throttle body. In some cases there is insufficient clearance for this bracket. The throttle body on the affected fuel injection servos may be reworked per this letter to allow installation of the bracket.
- C. **DETAILED INSTRUCTIONS:**
1. Remove the servo from the aircraft.
 2. Cap fuel inlet and outlet fittings and cover both ends of throttle bore to prevent contamination.
 3. Remove material as indicated by Figure 1. Material removal must not exceed the dimensions shown. Reworked area shall be blended smoothly into surrounding area. Surface finish must be RHR 125 or better.
 4. Following rework, treat surface with Alodine 1201 or equivalent.
 5. Remove the caps and reinstall the servo on the aircraft, following all requirements of the engine and aircraft service manuals.

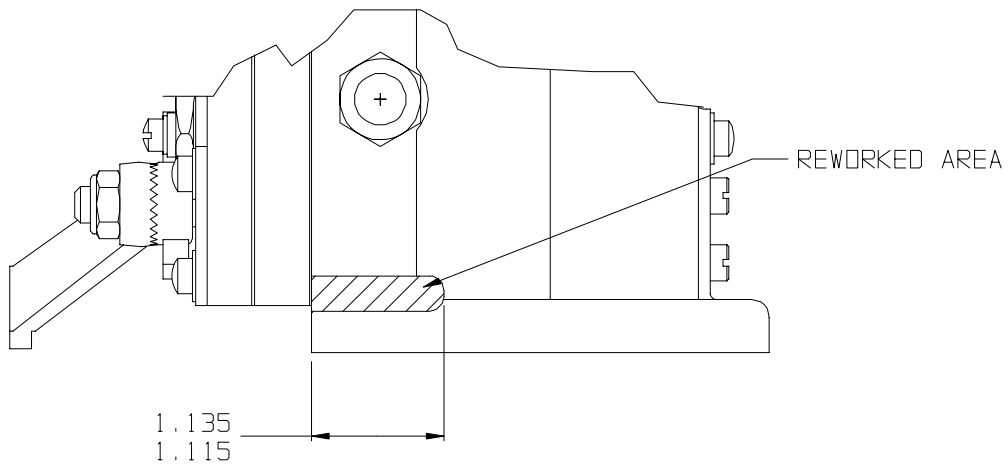
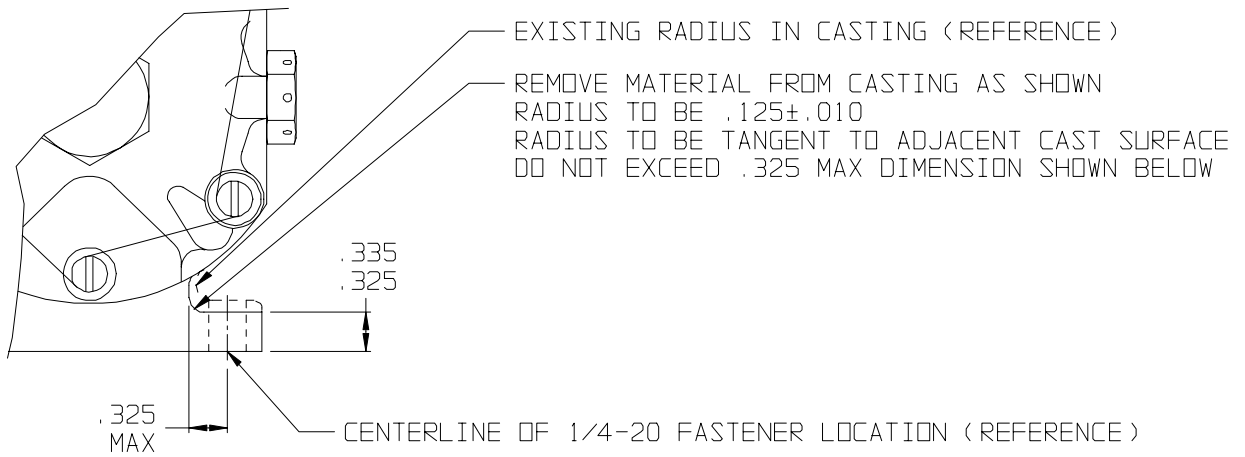


Figure 1