

# Service Information Letter - Fuel Systems

Small Reciprocating  
Engines

No. 25

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SUBJECT: Disassembly of Regulator Portion of All RSA Fuel Servo Units

## CAUTION

FAILURE TO ADHERE TO THE FOLLOWING PROCEDURES DURING REGULATOR DISASSEMBLY MAY RESULT IN DAMAGING OTHERWISE SERVICEABLE PARTS AND REQUIRING THEIR SUBSEQUENT REPLACEMENT.

ie: Bending of the fuel diaphragm stem and damaging the servo seat and/or center body seal assembly.

1. Remove lockwire from regulator holddown screws.
2. Loosen all regulator screws 3 to 4 full turns, but do not remove them at this time.

CAUTION: DO NOT ATTEMPT TO USE A PLASTIC Mallet OR OTHER IMPACT TYPE TOOL TO CAUSE REGULATOR SEPARATION WITHOUT ALL REGULATOR SCREWS IN PLACE AND ONLY 3 TO 4 TURNS LOOSE FROM FULL TIGHT. THE FUEL DIAPHRAGM STEM WILL BEND AS THE REGULATOR ASSEMBLY SEPARATES IF ABOVE CAUTIONS ARE NOT OBSERVED.

3. Carefully insert 0.010 feeler gage, or equivalent tool, at the bottom of the regulator between the air diaphragm and cover assembly. Pry the cover loose.
4. Insert feeler gage or tool between the fuel diaphragm and center body assembly. Pry the center body assembly loose from servo body assembly.
5. After completing paragraphs 3 and 4, remove all regulator screws and continue with regulator disassembly in accordance with the overhaul manual.

Insert a copy of this S.I.L. at the beginning of the Disassembly section of all RSA overhaul manuals.



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