

SUBJECT: STALL WARNING SWITCH, CIRCUIT MODIFICATION

MODEL/S/N
AFFECTED: MOONEY M20J, S/N 24-3201, 24-3218 THRU 24-3257
MOONEY M20L, S/N 26-0001 THRU 26-0041
MOONEY M20M, S/N 27-0001 THRU 27-0134

REVISION A IS REQUIRED TO CORRECT SCHEMATICS (PAGE 2) FOR MODIFICATION.

TIME OF
COMPLIANCE: AT NEXT SCHEDULED INSPECTION OR WITHIN NEXT 50 OPERATING HOURS

INTRODUCTION: THERE HAVE BEEN REPORTS THAT OPERATIONS IN PRECIPITATION MAY CAUSE THE STALL WARNING HORN TO ACTIVATE AT A REDUCED AUDIBLE SIGNAL WHILE THE AIRCRAFT IS IN LEVEL CRUISE FLIGHT. THIS CAN BE PREVENTED BY ADDING RESISTORS TO THE WIRING CIRCUITS PER THE INSTRUCTIONS BELOW.

INSTRUCTIONS:

1. Locate Tone Generator (WS101A) for M20J & M20M and (L-WS150A) for M20L on cabin side of the firewall above pilots left rudder pedal.
2. Disconnect wire harness from tone generator and free wire harness to allow sufficient working room to splice in the resistor.
3. Select the applicable schematic (M20J - M20L - M20M) shown in Figure SI-M91-1 and solder the MIL-R-11-RC42, 1K 2W resistor, (RC42-HB-102-J, included in kit) to the correct numbered connectors. The resistor must be positioned so it will not interfere with the connection of the wire harness back to the tone generator. Protect the resistor with heat shrink or other insulation.
4. Secure and connect the wire harness/connector to the tone generator.
5. Turn Master Switch "ON" and check the operation of the stall warning switch by moving the switch UP with your hand. A solid, audible signal should be heard from outside the aircraft.
6. Make sure wire harness is secured. Enter compliance note in logbook and return aircraft to service.

WARRANTY:

Warranty information is applicable only to aircraft in warranty on date of this publication. Mooney Aircraft Corporation will allow up to 0.7 hours labor, and parts credit, to accomplish the modification to the wiring harness/connector provided the completed warranty paperwork is submitted to Mooney Service Parts Department within 180 days of the date of this Service Instruction. The kit is available through Mooney Service Centers under standard Mooney ordering and credit policies.

REFERENCE
DATA: N/A

PARTS LIST: KIT PART NUMBER - SI M20-91-1

ITEM	PART NUMBER	DESCRIPTION	QTY
1	RC42-HB-102-J	RESISTOR (1K, 2W)	1

FIGURES/
TABLES: SEE FOLLOWING PAGE-

FIGURES/
 TABLES: (con't.)

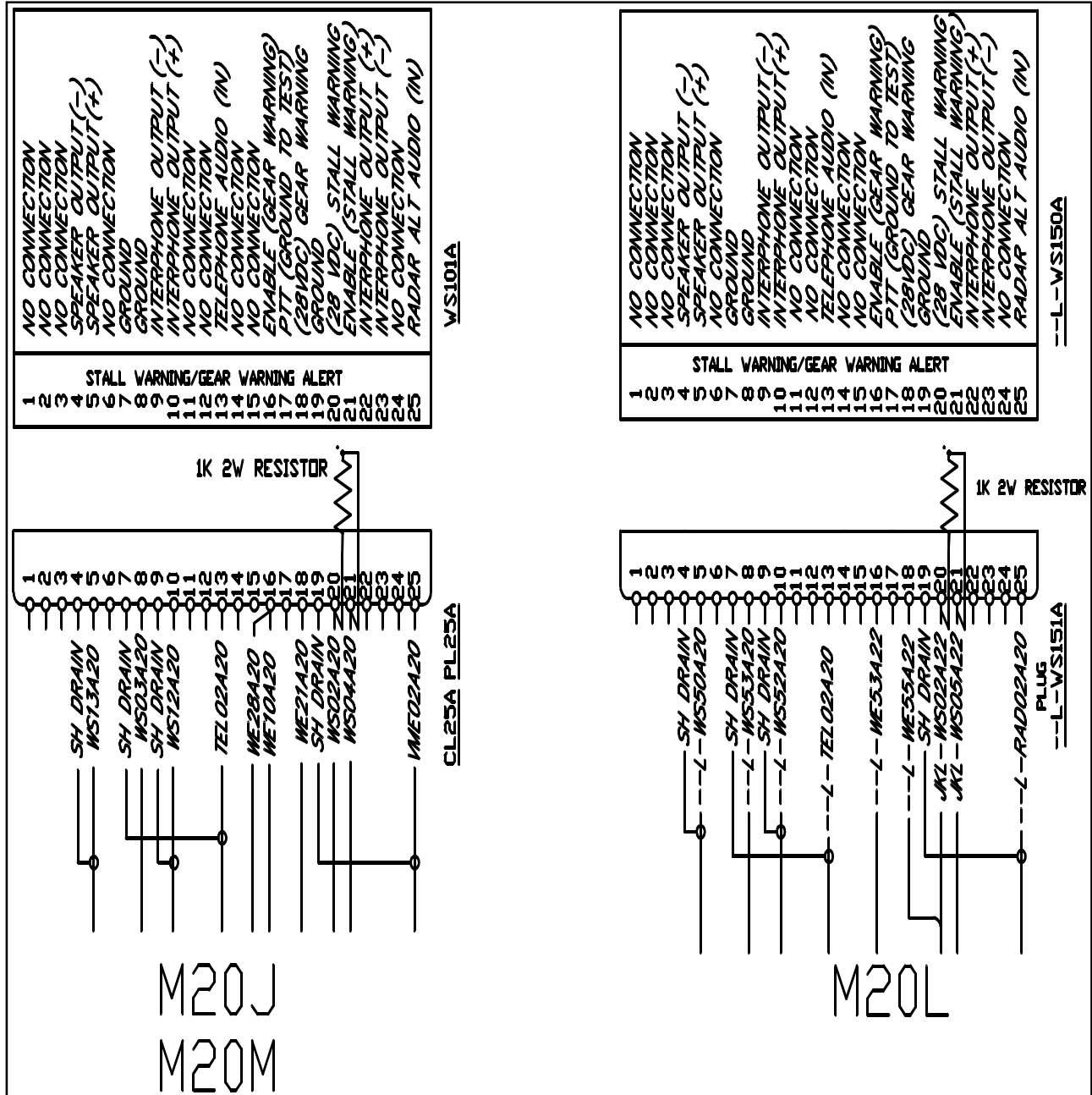


FIGURE SI M20-91-1