



815 BROADHOLLOW RD., FARMINGDALE, NY 11735 USA

SERVICE INFORMATION LETTER MD-80/90 SERIES

EQUIPMENT:

**PASSENGER ADDRESS SERVICE INTERPHONE CALL SYSTEM (PASICS),
ELECTRONIC SWITCHING UNIT (ESU) P/N 686-3000-003, used on board the
MD-80/90 series aircraft**

SUBJECT:

Distorted or choppy PA audio when using the cockpit aft pedestal handset.

REASON:

**Possible miswire (reversal) of two wires attached to the Trim Board (A3) in ESU P/N
686-3000-003 serial numbers 0902 thru 0954.**

VERIFICATION:

**On aircraft – Initiate a PA announcement from the cockpit, using the aft pedestal
handset, speak with an elevated voice into microphone. Listen for PA audio in cabin
area and verify audio is of generally good quality. If distortion or chopping is
experienced, the miswire is suspect and the ESU should be removed for inspection and
service.**

**In shop – Using test fixture P/N 686-7100-001 and performing Step L. Audio Test –
Pilot PA Audio, subtest (6), as defined in Service Bulletin 686-3000-23-3. Check for
distortion at A3R1 maximum setting.**

CORRECTIVE ACTION:

**Return suspected unit to address below for correction of problem at no charge.
Reference this SIL in return paperwork.**

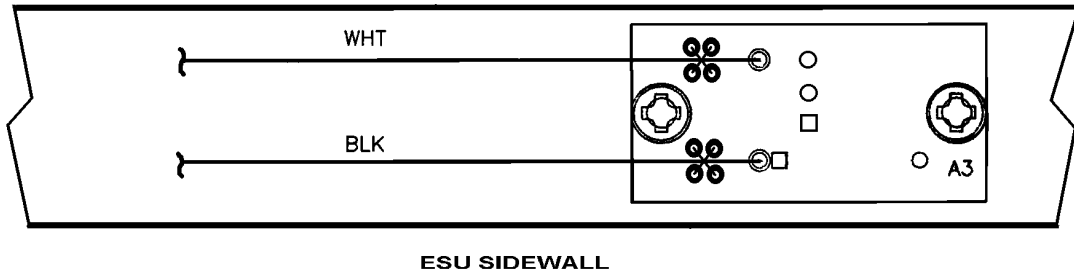
**Telephonics Corp.
815 Broadhollow Rd.
Farmingdale, NY 11735 USA
Attn: Communications Service Center**

or

**SIL98-2
Nov. 18, 1998
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If operator has test fixture to verify operation of unit, test per SB686-3000-23-3 Rev.1, page 7, test step *L. Audio Test – Pilot PA Audio*, subtest (6). If distortion is evident at A3R1 maximum setting, remove unit cover and inspect position of white and black wires attached to A3 Trim board mounted on side wall of ESU. The white wire should be attached to the A3 board eyelet towards the top and the black in an eyelet towards the bottom, as shown below. If reversed, remove A3 board from sidewall and correct position of the wires, then retest unit.



A3 Trim Board Location