CABIN ENTERTAINMENT SYSTEM

AUDIO INTERNATIONAL PART NUMBER SP-586 PASSENGER CONTROL DEVICE (REVISION IR THROUGH G4)

SERVICE LETTER NO. 770008, REVISION IR

PREVENT CONVERSION OF SWITCH ID #2 TO VIP

1. Planning Information

A. Effectivity

The actions described in this service letter apply to Audio International SP-586 Passenger Control Devices (PCD) revision levels IR through G4 manufactured between August 27, 1998 and February 2, 2001. Examining the serial number located on the rear can identify the units affected – the first four numbers indicate the month and year of manufacture. For example, a serial number 03990176 was manufactured in March 1999. Any unit located with a serial number 08980001 through 0201xxxx should follow the procedures outlined in this letter.

B. Reason

Aircraft operating over long periods have experienced this problem. If a SP-586 PCD is identified as ID #2 it may intermittently convert itself into a VIP switch.

Every SP-586 has the capability of becoming a VIP switch for interchangeability reasons. However, once the PCD is assigned an ID it should retain its ID. The only time that an ID change should occur is during the PCD SETUP PROCEDURE. (AI-SPEC-0032 paragraph 40.0 to 40.6)

A problem with the PCD software was discovered and corrected by Engineering Change Number (ECN) 5864 on February 2, 2001.

All corrected SP-586 PCD’s will be at revision level H or higher.

C. Compliance

Recommended.

D. Description

Return all affected units to Audio International for upgrade to Revision H. (ECN 5864)
E. Material – Cost and Availability

Audio International will cover all material and labor costs associated with correcting this problem.

F. Reference Documents

522841 Outline Drawing SP-586
ECN 5864 Audio International Engineering Change Notice 02/02/01
30600023 Audio International Engineering Bill of Material (Rev. H)

2. Accomplishment Instructions

A. Determination

Locate the serial number of each part number SP-586 in service. If the serial number falls within the range indicated in 1A, it should be returned to Audio International for evaluation and repair.

B. Return Procedure

(1) In the interest of reducing aircraft down time and impact to our repair station workload we recommend that only one SP-586 PCD per ship set be returned at a time. The installation of just one corrected (Rev. H) SP-586 PCD with ID #2 will eliminate the VIP conversion problem. The remaining switches could then be returned to Audio International (one at a time) at your convenience. It is recommended that at least one PCD be designated as the VIP and another ID #2 at all times to insure that all MSM2906-02-2 discrete functions continue to function. (Cabin Call, Lav Call, and SELCAL)

(2) Call Audio International’s Repair Department for a Return Authorization Number (RA#). The phone number is (501) 955-2929 extension 630 or 640. Be prepared to give the company name, billing/shipping address, phone number, fax number, contact person name, and the serial number(s) of the unit to be returned. Reference service letter number 7700XX when calling.

(3) Package the SP-586 and return to:

Audio International, Inc.
7300 Industry Drive
N. Little Rock, AR 72117
Attn: Repair Department

Make sure the RA# is identified on any shipping paperwork sent with the unit.

(4) Audio International will evaluate and repair the unit as required. Allow 3 – 5 business days for return of the unit after receipt by A.I.
(5) Once returned, install the unit in the aircraft and verify proper operation.

C. Loaner Unit

Unavailable at this time.