



SERVICE BULLETIN

DATE: 11 APRIL 1997
PAGE 1 OF 4

MANDATORY

CABIN DOOR AJAR SWITCH BRACKET REWORK

1. PLANNING INFORMATION:

- A. Aircraft Affected: All McDonnell Douglas Helicopter Systems (MDHS) MD900 Series Helicopters, serial numbers 00008 thru 00051.
- B. Assembly/Components Affected by this Notice: LH and RH Cabin Door Ajar Switch Brackets 900E2750155-103, 900E2750155-105, 900E2750156-103, 900E2750156-105, JE-1 Switch Actuators, and JE-12 Switch Actuators.
- C. Reason: The -103 brackets are not stiff enough to prevent erroneous door ajar indications on the IIDS. Failure to comply with this Bulletin may cause erroneous door ajar indications.
- D. Description: This Bulletin provides instructions to modify the LH and RH cabin door switch installations into an operable configuration.
- E. FAA Approval: The technical design aspects of this Service Bulletin are FAA Approved.
- F. Manpower: Accomplishment of this Bulletin will require approximately two (2) manhours if performed in conjunction with a 100-hour or annual inspection, or four (4) manhours as a stand-alone maintenance function on a standard configuration aircraft.
- G. Time of Compliance: The requirements of this Bulletin shall be accomplished no later than 31 August 1997.
- H. Interchangeability: None
- I. Material/Part Availability: Contact MDHS Commercial Warranty and Repair Department in Mesa, Arizona at 1-800-388-3378. FAX: 602-891-3952.

REPLACEMENT PARTS/SUPPLIES			
Nomenclature	Part No.	Qty.	Source
Bracket, LH For Aircraft S/N 10 thru 47 only	900E2750155-107	1	MDHS
Bracket, RH For Aircraft S/N 10 thru 47 only	900E2750156-107	1	MDHS
Switch Actuator	JE-96	2	MDHS
Wire Inline Junction Splice	M81714/65-22-1	4	MDHS

MANDATORY



DATE: 11 APRIL 1997

PAGE 2 OF 4

SERVICE BULLETIN

MANDATORY **MANDATORY** **MANDATORY**

J. Warranty Policy: MDHS will provide all parts required to accomplish this aircraft modification at no charge to the operator. Contact the MDHS Warranty and Repair Department for replacement parts upon receipt of this Bulletin.

K. Tooling: No special tooling required.

L. Weight and Balance: N/A

M. Electrical Load Data: N/A

N. Other Publications Affected: The following publications are being modified as a result of this Bulletin: Rotorcraft Maintenance Manual (CSP-900RMM-2), Rotorcraft Maintenance Manual (CSP-900RMM-3), Illustrated Parts List (CSP-900IPL-4) and Rotorcraft Flight Manual (CSP-900RFM-1, Rev. 9 or later).

2. ACCOMPLISHMENT INSTRUCTIONS:

A. Remove cabin outboard floor panels AL165 and AR165 (Ref. Section 06-00-00 CSP-900RMM-2).

NOTE: Either panel AL165 or AR165 may be removed one at a time without defueling aircraft.

B. Remove screws, nuts, and washers attaching LH and RH cabin door ajar switches and JE-1, or JE-12 switch actuators. Discard JE-1, or JE-12 actuators.

NOTE: On aircraft serial numbers prior to 38, previously installed 900E2750155-105 and 900E2750156-105 brackets are acceptable to use.

C. Remove bolts, nuts, and washers attaching LH and RH cabin door ajar switch brackets 900E2750155-103 and 900E2750156-103 for aircraft serial number 00010 thru 00047 and retain hardware only for reinstallation.

D. For aircraft serial number 00008 thru 00051 install new LH and RH cabin door ajar switch brackets 900E2750155-107 and 900E2750156-107.

E. Reinstall LH and RH cabin door ajar switches using JE-96 actuators.

F. Connect existing LH wires W125 S201, SP1 to S201 C and W125 S201, SP2 to S201 NC (Ref. Figure 1).

G. Connect existing RH wires W124 S202, SP1 to S202 C and W124 S202, SP2 to S202 NC (Ref. Figure 2).

CAUTION: Over engagement of door ajar switch and door latch bolt may damage switch.

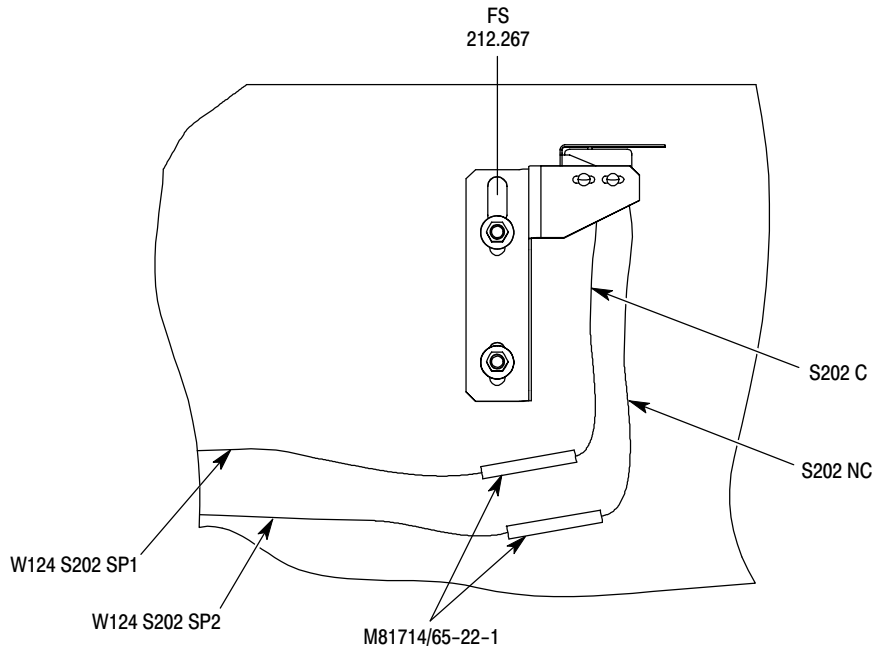
H. Adjust cabin door ajar switches so that switch actuators bottom against switch body when door is in safelock. Verify that IIDS door ajar light is illuminated when either cabin is open, and extinguishes when both cabin doors and baggage door are in safelock.

MANDATORY **MANDATORY** **MANDATORY**

DATE: 11 APRIL 1997
PAGE 4 OF 4

SERVICE BULLETIN

/// MANDATORY ////////////////////////////////////// MANDATORY ////////////////////////////////////// MANDATORY ///



9B96-048

Figure 2. RH Cabin Door Ajar Switch Wiring Schematic

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