



AIRCRAFT MAINTENANCE MANUAL

TOP/BOTTOM TRANSPONDER ANTENNA TRANSFER RELAY - REMOVAL/INSTALLATION

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to remove and install the top/bottom XPDR Antenna Transfer (XFR) Relay.
- B. The procedures in this section are given in the sequence below. The tasks identified with (♦) are part of the Scheduled Maintenance Requirements Document (SMRD).

TASK NUMBER	DESCRIPTION	EFFECTIVITY
34-52-03-000-801-A	TOP/BOTTOM XPDR ANTENNA XFR RE- LAY - REMOVAL	ALL
34-52-03-400-801-A	TOP/BOTTOM XPDR ANTENNA XFR RE- LAY - INSTALLATION	ALL



EMB145 - EMB135

AIRCRAFT
MAINTENANCE MANUAL

TASK 34-52-03-000-801-A

EFFECTIVITY: ALL

2. TOP/BOTTOM XPDR ANTENNA XFR RELAY - REMOVAL

A. General

- (1) This procedure gives the instructions to remove the top/bottom XPDR Antenna XFR Relay.

B. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
113	113CZ	Forward electronic compartment

C. Tools and Equipment

Not Applicable

D. Auxiliary Items

Not Applicable

E. Consumable Materials

Not Applicable

F. Expandable Parts

Not Applicable

G. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	At the forward electronic compartment

H. Preparation

SUBTASK 841-002-A

- (1) On the circuit breaker panel, open the XPDR 1 and XPDR 2 circuit breakers and attach a DO-NOT-CLOSE tag to them.

I. Removal (Figure 401)

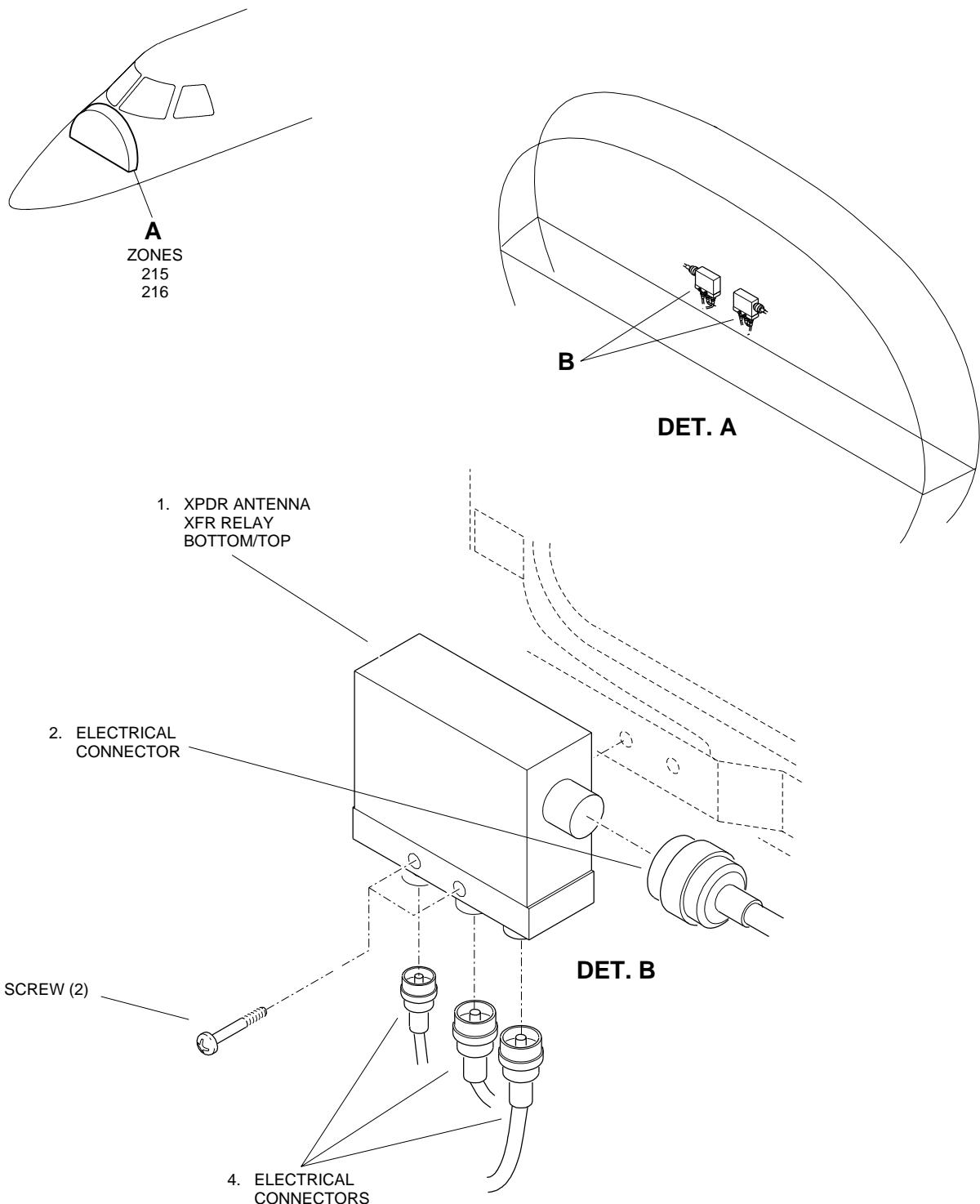
SUBTASK 020-002-A

- (1) Disconnect the electrical connectors (2), and (4).
- (2) Remove the two screws (3).
- (3) Remove the top/bottom XPDR Antenna XFR Relay (1).

EFFECTIVITY: ALL

Top/Bottom XPDR Antenna XFR Relay - Installation

Figure 401



145AMM340155.MCE A



EMB145 - EMB135

AIRCRAFT
MAINTENANCE MANUAL

TASK 34-52-03-400-801-A

EFFECTIVITY: ALL

3. TOP/BOTTOM XPDR ANTENNA XFR RELAY - INSTALLATION

A. General

- (1) This procedure gives the instructions to install the top/bottom XPDR Antenna XFR Relay.

B. References

REFERENCE	DESIGNATION
AMM TASK 34-52-00-700-802-A/500	TRANSPOUNDER SYSTEM - OPERATIONAL TEST
WM 20-50-00	-

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
113	113CZ	Forward electronic compartment

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

Not Applicable

F. Consumable Materials

SPECIFICATION (BRAND)	DESCRIPTION	QTY
MIL-S-8660	Dow Corning No. 4 Lubricant Compound	AR

G. Expandable Parts

Not Applicable

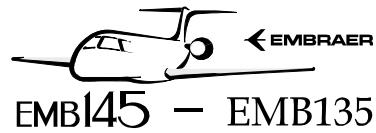
H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	At the forward electronic compartment

I. Installation (Figure 401)

SUBTASK 420-002-A

- (1) Examine and clean or replace the electrical connectors (4) and (2) as required (WM 20-50-00).
- (2) Install the top/bottom XPDR Antenna XFR Relay (1).
- (3) Install the two screws (3).
- (4) Fill the internal part of the electrical connectors (4) and (2) and their mates with Dow Corning No. 4 Lubricant Compound (WM 20-50-00).



AIRCRAFT MAINTENANCE MANUAL

- (5) Connect the electrical connectors (4), and (2).

J. Follow-on

SUBTASK 842-002-A

- (1) On the circuit breaker panel, close the XPDR 1 and XPDR 2 circuit breakers and remove the DO-NOT-CLOSE tag from them.
- (2) Do the Mode S Transponder Operational Test ([AMM TASK 34-52-00-700-802-A/500](#)).

