

CHECK BEING PERFORMED: Custom

ZONES: 100 200  
 A/C NUMBER:  
 REV. DATE: 06/14/02  
 FREQUENCY: 2C

W/C NUMBER: 521A3406 DATE:  
 W/O:  
 JAC CODE:



## REFERENCES

MM34-53-03 MM34-53-07 FIGURES 1 AND 2

521A3406

MECH INSP

## 1 REMOVE UPPER AND LOWER TCAS ANTENNAS AS FOLLOWS:

- A ON PILOTS OVERHEAD CIRCUIT BREAKER PANEL CB 1, ZONE 210,  
 OPEN AND TAG THE FOLLOWING CIRCUIT BREAKERS:

TCAS AC (H26)

TCAS DC (H27)

TCAS (J26)

WARNING: TRANSMITTING ANTENNAS CAN CAUSE PERSONAL INJURY.  
 DO NOT APPROACH OR DISCONNECT ANTENNAS WITHOUT  
 FIRST OPENING SYSTEM POWER CIRCUIT BREAKERS.

- B REMOVE THE FOUR SCREWS SECURING THE TCAS DIRECTIONAL  
 ANTENNA TO THE FUSELAGE. (SEE FIGURE 1)

- C SEPARATE ANTENNA FROM AIRCRAFT SUFFICIENTLY TO EXPOSE  
 THE FOUR ANTENNA CONNECTORS, MARK LOCATION AS REQUIRED  
 AND DISCONNECT CABLE FROM ANTENNA.

- D USING PLASTIC SCRAPER, REMOVE SEALANT FROM FUSELAGE  
 STRUCTURE. USING SOFT CLEAN CLOTH MOISTENED WITH MEK  
 SOLVENT OR EQUIVALENT, WIPE FUSELAGE STRUCTURE CLEAN.

\_\_\_\_\_ XXXXX UPPER TCAS ANTENNA

\_\_\_\_\_ XXXXX LOWER TCAS ANTENNA

## 2 REMOVE UPPER AND LOWER TRANSPONDER ANTENNAS AS FOLLOWS:

- A ON PILOTS OVERHEAD CIRCUIT BREAKER PANEL CB 1, ZONE 210,  
 OPEN AND TAG THE FOLLOWING CIRCUIT BREAKERS:

NO. 1 NAVIGATION - ATC (G3)

NO. 1 NAVIGATION - ATC (G21)

WARNING: TRANSMITTING ANTENNAS CAN CAUSE PERSONAL INJURY.  
 DO NOT APPROACH OR DISCONNECT ANTENNAS WITHOUT

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FIRST OPENING SYSTEM POWER CIRCUIT BREAKERS.

- B REMOVE THE FOUR SCREWS SECURING THE TRANSPONDER DIRECTIONAL ANTENNA TO THE FUSELAGE. (SEE FIGURE 2)
- C SEPARATE ANTENNA FROM AIRCRAFT SUFFICIENTLY TO DISCONNECT ANTENNA CONNECTOR. REMOVE ANTENNA, ADAPTER AND PACKING.
- D USING PLASTIC SCRAPER, REMOVE SEALANT FROM FUSELAGE STRUCTURE. USING SOFT CLEAN CLOTH MOISTENED WITH MEK SOLVENT OR EQUIVALENT, WIPE FUSELAGE STRUCTURE CLEAN.

- \_\_\_\_\_ XXXXX UPPER #1 ATC TRANSPONDER ANTENNA
- \_\_\_\_\_ XXXXX UPPER #2 ATC TRANSPONDER ANTENNA
- | \_\_\_\_\_ XXXXX LOWER #1 ATC TRANSPONDER ANTENNA
- \_\_\_\_\_ XXXXX LOWER #2 ATC TRANSPONDER ANTENNA

3 INSPECT THE VISABLE PORTION OF THE COAX CABLE AND CONNECTOR FOR CONDITION, DISCOLORATION (DARKNESS), AND BULGING OF OUTER SHEATH IN THE FOLLOWING AREAS:

- XXXXX \_\_\_\_\_ A UPPER TCAS ANTENNA AREA (4 CABLES)
- XXXXX \_\_\_\_\_ B LOWER TCAS ANTENNA AREA (4 CABLES)
- XXXXX \_\_\_\_\_ C UPPER #1 ATC TRANSPONDER ANTENNA (SINGLE CABLE)
- XXXXX \_\_\_\_\_ D UPPER #2 ATC TRANSPONDER ANTENNA (SINGLE CABLE)
- XXXXX \_\_\_\_\_ E LOWER #1 ATC TRANSPONDER ANTENNA (SINGLE CABLE)
- XXXXX \_\_\_\_\_ F LOWER #2 ATC TRANSPONDER ANTENNA (SINGLE CABLE)
- XXXXX \_\_\_\_\_ G BEHIND TRANSPONDERS IN FESC
- XXXXX \_\_\_\_\_ H BEHIND DISCONNECT RACK AREA IN FESC

XXXXX \_\_\_\_\_ 4 GENERATE A NONROUTINE FOR EACH DISCRPANCY FOUND AND RECORD BELOW AS REQUIRED. "N/A" LINES NOT USED.

NR# \_\_\_\_\_ NR# \_\_\_\_\_ NR# \_\_\_\_\_

NR# \_\_\_\_\_ NR# \_\_\_\_\_ NR# \_\_\_\_\_

TCAS ANTENNA INSPECTION

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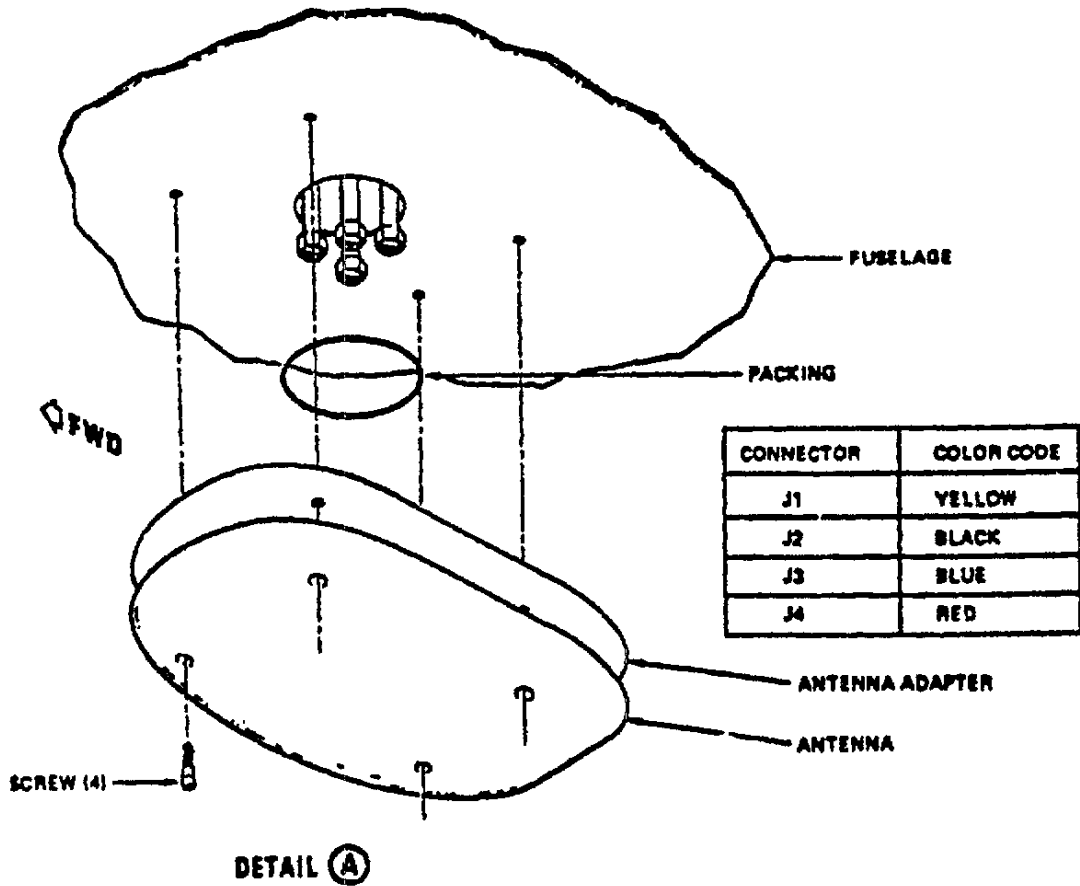
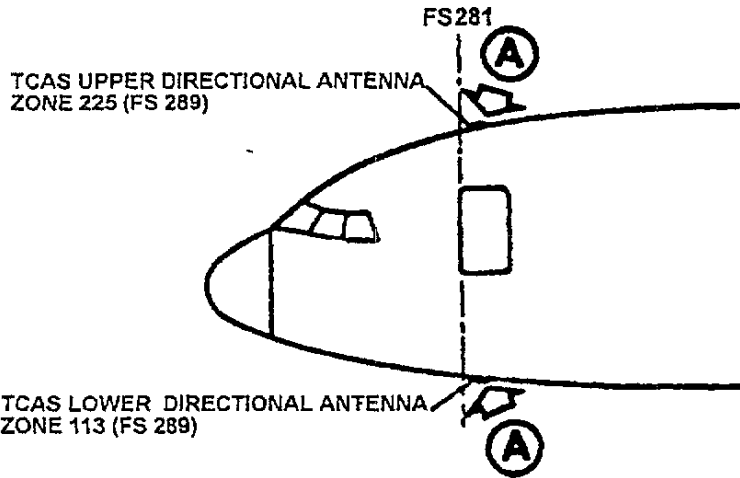
MECH: INSP:

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\_\_\_\_\_ XXXXX 5 REINSTALL UPPER AND LOWER TCAS ANTENNAS AFTER ALL NONROUTINES LISTED ABOVE HAVE BEEN COMPLIED WITH IAW MM 34-53-07.

\_\_\_\_\_ XXXXX 6 REINSTALL UPPER AND LOWER ATC ANTENNAS AFTER ALL NONROUTINES LISTED ABOVE HAVE BEEN COMPLIED WITH IAW MM 34-53-03.

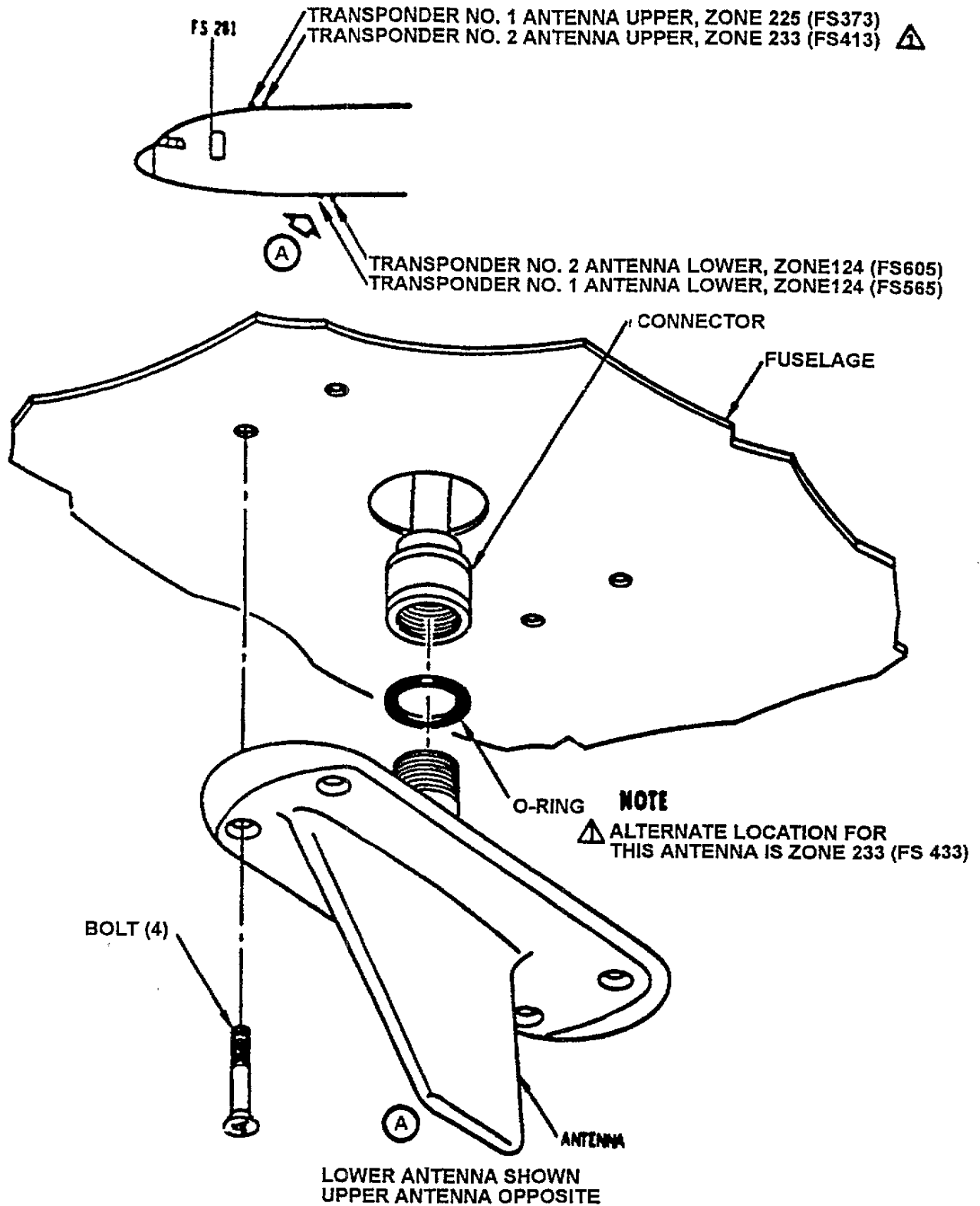
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TCAS System Directional Antenna - Removal and Installation

FIGURE 1

REVISION DATE 04/20/1998



### ATC Transponder System Antenna - Removal and Installation

FIGURE 2

REVISION DATE 04/20/1998