



AIRCRAFT MAINTENANCE MANUAL

SATCOM HANDSET AND CRADLE - REMOVAL/INSTALLATION

EFFECTIVITY: ACFT MODEL(S) EMB-135

1. General

- A. This section gives the procedures to remove and install the SATCOM handset and cradle.
- 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
23-15-04-000-801-A	IRIDIUM HANDSET AND CRADLE - REMOVAL	FOR AIRCRAFT WITH IRIDIUM-SATELLITE COMMUNICATIONS SYSTEM
23-15-04-400-801-A	IRIDIUM HANDSET AND CRADLE - INSTALLATION	FOR AIRCRAFT WITH IRIDIUM-SATELLITE COMMUNICATIONS SYSTEM



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TASK 23-15-04-000-801-A

EFFECTIVITY: FOR AIRCRAFT WITH IRIDIUM-SATELLITE COMMUNICATIONS SYSTEM

2. IRIDIUM HANDSET AND CRADLE - REMOVAL

A. General

- (1) This task gives the procedures to remove the Iridium Handset and Cradle.
- (2) Handset and Cradle 1 are installed on the Lavatory Wall.
- (3) Handset and Cradle 2 are installed on the LH Galley.
- (4) Handset and Cradle 3 are installed on the RH Windscreen.
- (5) Handset and Cradle 4 are installed on the Cockpit/Passenger Cabin Partition.

B. References

REFERENCE	DESIGNATION
AMM TASK 25-21-02-000-801-A/400	FLIGHT ATTENDANT SEAT - REMOVAL
AMM TASK 25-22-03-000-801-A/400	OVERHEAD BIN - REMOVAL
AMM TASK 25-22-05-000-801-A/400	PSUS - REMOVAL
AMM TASK 25-30-07-000-801-A/400	-

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
262		Lavatory Wall
232		LH Galley
232		RH Windscreen
223		Cockpit/Passenger Cabin Partition

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

Not Applicable

F. Consumable Materials

Not Applicable

G. Expandable Parts

Not Applicable

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Cockpit or Passenger cabin



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I. Preparation

SUBTASK 841-015-A

EFFECTIVITY: FOR AIRCRAFT WITH IRIDIUM-SATELLITE COMMUNICATIONS SYSTEM

- (1) To remove Handset and Cradle 1 installed on the Lavatory Wall, do as follows:
 - (a) On the Circuit Breaker Panel (Location Tip: SHED DC BUS 2), open the TRANSCEIVER 2 circuit breaker and attach a DO-NOT-CLOSE tag to it.
 - (b) Remove the overhead bin ([AMM TASK 25-22-03-000-801-A/400](#)) to get access to the electrical connector.
- (2) To remove Handset and Cradle 2 installed on the LH Galley, do as follows:
 - (a) On the Circuit Breaker Panel (Location Tip: SHED DC BUS 2), open the TRANSCEIVER 1 circuit breaker and attach a DO-NOT-CLOSE tag to it.
 - (b) Remove the LH galley ([AMM TASK 25-30-07-000-801-A/400](#)) to get access to the electrical connector.
- (3) To remove Handset and Cradle 3 installed on the RH Windscreen, do as follows:
 - (a) On the Circuit Breaker Panel (Location Tip: SHED DC BUS 2), open the TRANSCEIVER 2 circuit breaker and attach a DO-NOT-CLOSE tag to it.
 - (b) Remove the overhead bin ([AMM TASK 25-22-03-000-801-A/400](#)).
 - (c) Remove the passenger service unit ([AMM TASK 25-22-05-000-801-A/400](#)) to get access to the electrical connector.
- (4) To remove Handset and Cradle 4 installed on the Cockpit/Passenger Cabin Partition, do as follows:
 - (a) On the Circuit Breaker Panel (Location Tip: SHED DC BUS 2), open the TRANSCEIVER 1 circuit breaker and attach a DO-NOT-CLOSE tag to it.
 - (b) Remove the shroud assembly ([AMM TASK 25-21-02-000-801-A/400](#)) to get access to the electrical connector.

J. Removal ([Figure 401](#)) ([Figure 402](#)) ([Figure 403](#))

SUBTASK 020-015-A

EFFECTIVITY: FOR AIRCRAFT WITH IRIDIUM-SATELLITE COMMUNICATIONS SYSTEM

- (1) To remove Handset and Cradle 1 installed on the Lavatory Wall, do as follows (refer to Figure 401):
 - (a) Disconnect the electrical connector (9).
 - (b) Remove the Handset (8) from the Cradle (6).
 - (c) Remove the screw (4) that attaches the conduit (5).
 - (d) Remove the screw (3) that attaches the clamp (2).
 - (e) Remove the tiedown straps that attach the electrical wires to the Cradle (6).

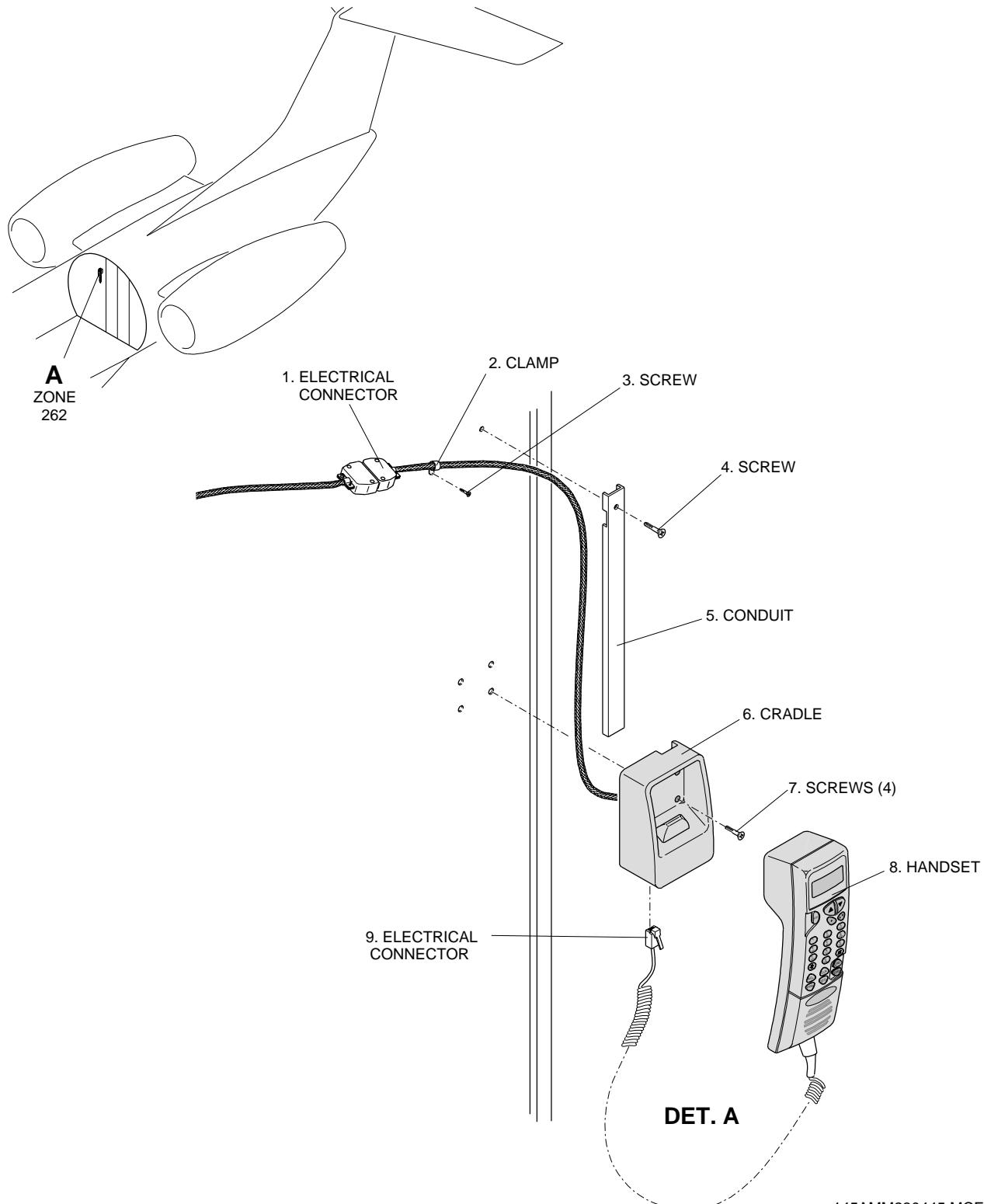


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- (f) Disconnect the electrical connector (1).
 - (g) Remove the screws (7) that attach the Cradle (6).
 - (h) Install the protection cap on the electrical connector (1).
- (2) To remove Handset and Cradle 2 installed on the LH Galley, do as follows (refer to Figure 402):
- (a) Disconnect the electrical connector (6).
 - (b) Remove the Handset (5) from the Cradle (3).
 - (c) Remove the screws (1) that attach the access plate.
 - (d) Pull the electrical connector (2) until it comes out.
 - (e) Remove the screws (4) that attach the Cradle (3).
 - (f) Install the protection cap on the electrical connector (2).
- (3) To remove Handset and Cradle 3, installed on the RH Windscreen, do as follows (refer to Figure 403):
- (a) Disconnect the electrical connector (5).
 - (b) Remove the Handset (4) from the Cradle (2).
 - (c) Remove the tiedown straps that attach the electrical wires to the Cradle (2).
 - (d) Remove the screws (3) that attach the Cradle (2).
 - (e) Disconnect the electrical connector (1).
 - (f) Install the protection cap on the electrical connector (1).
- (4) To remove Handset and Cradle 4 installed on the Cockpit/Passenger Cabin Partition as follows (refer to Figure 403):
- (a) Disconnect the electrical connector (5).
 - (b) Remove the Handset (4) from the Cradle (2).
 - (c) Remove the tiedown straps that attach the electrical wires to the Cradle (2).
 - (d) Remove the screws (3) that attach the Cradle (2).
 - (e) Disconnect the electrical connector (1).
 - (f) Install the protection cap on the electrical connector (1).

EFFECTIVITY: FOR AIRCRAFT WITH IRIDIUM-SATELLITE COMMUNICATIONS SYSTEM
Iridium Handset and Cradle 1 - Removal/Installation
Figure 401

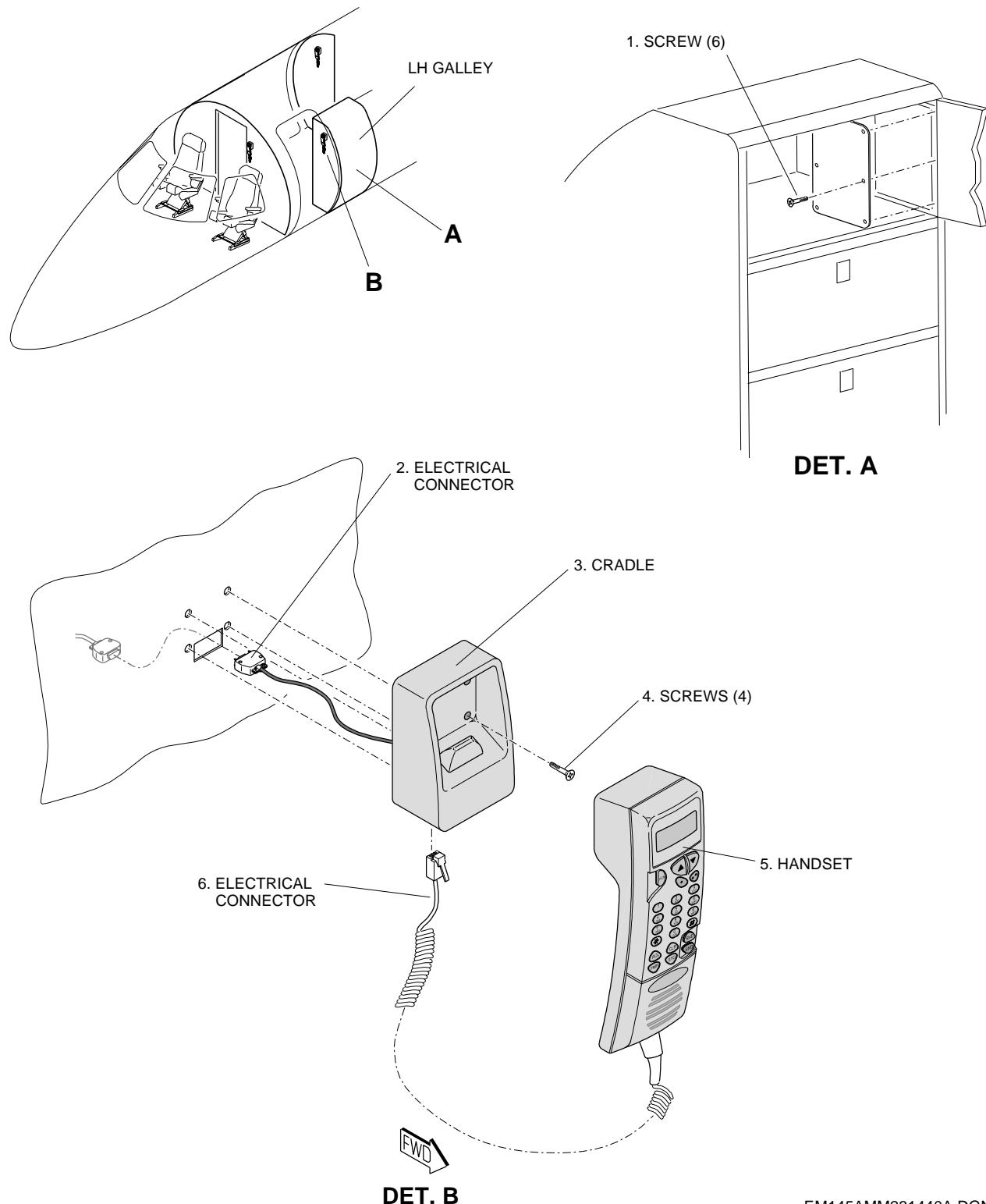


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EFFECTIVITY: FOR AIRCRAFT WITH IRIDIUM-SATELLITE COMMUNICATIONS SYSTEM

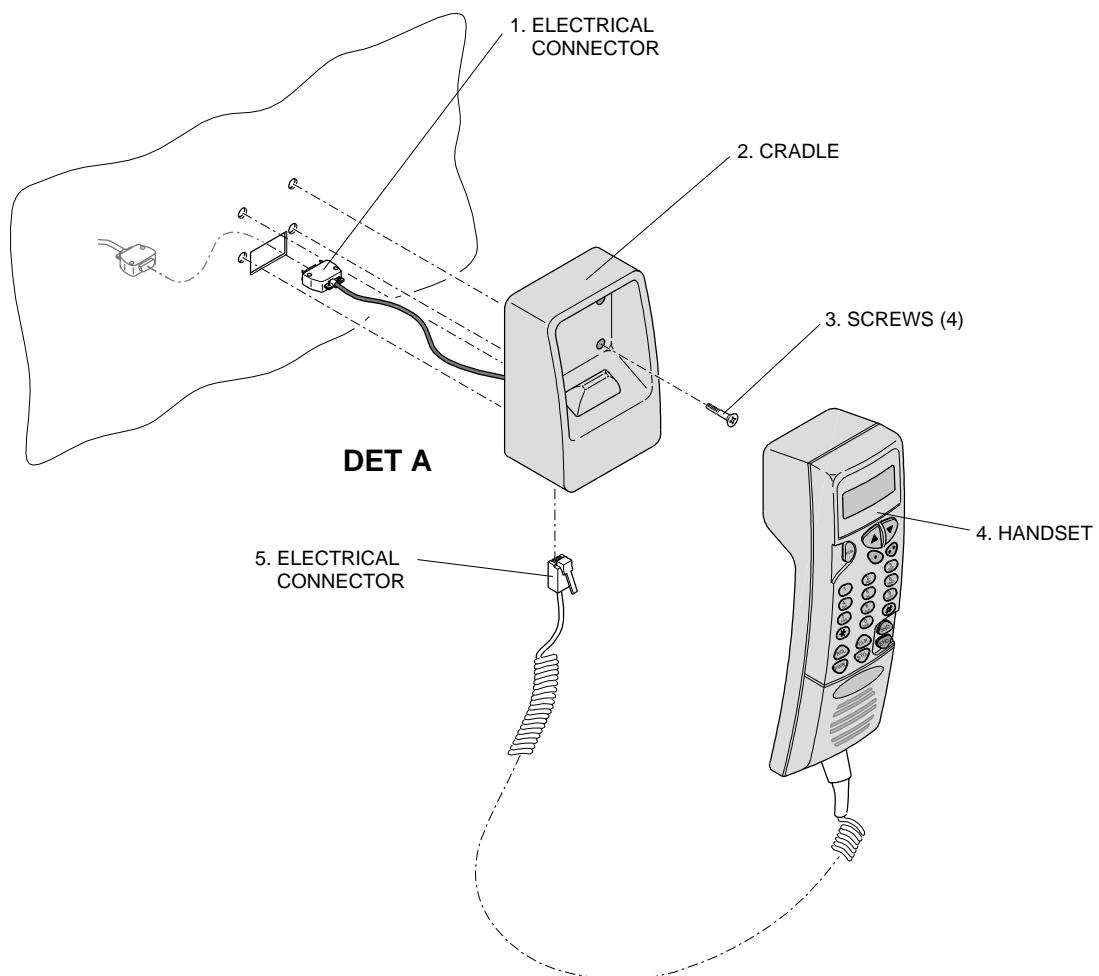
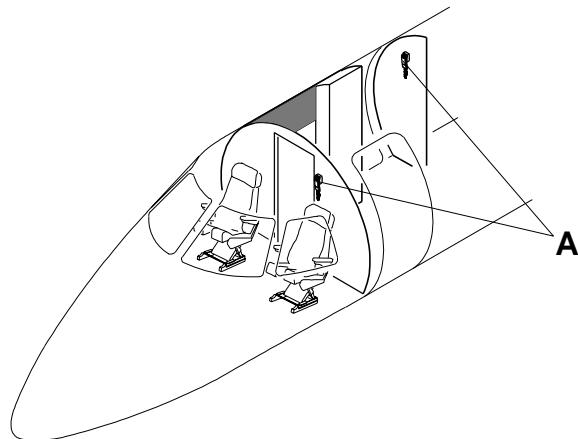
Iridium Handset and Cradle 2 - Removal/Installation

Figure 402



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EFFECTIVITY: FOR AIRCRAFT WITH IRIDIUM-SATELLITE COMMUNICATIONS SYSTEM
Iridium Handset and Cradles 3 and 4 - Removal/Installation
Figure 403



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TASK 23-15-04-400-801-A

EFFECTIVITY: FOR AIRCRAFT WITH IRIDIUM-SATELLITE COMMUNICATIONS SYSTEM

3. IRIDIUM HANDSET AND CRADLE - INSTALLATION

A. General

(1) This task gives the procedures to install the Iridium Handset and Cradle.

B. References

REFERENCE	DESIGNATION
AMM TASK 23-15-00-700-801-A/500	-
AMM TASK 25-21-02-400-801-A/400	FLIGHT ATTENDANT SEAT - INSTALLATION
AMM TASK 25-22-03-400-801-A/400	OVERHEAD BIN - INSTALLATION
AMM TASK 25-22-05-400-801-A/400	PSUS - INSTALLATION
AMM TASK 25-30-07-400-801-A/400	-

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
262		Lavatory Wall
232		Froward galley
232		RH windscreens
223		Cockpit/Passenger cabin partition

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

Not Applicable

F. Consumable Materials

SPECIFICATION (BRAND)	DESCRIPTION	QTY
MS3367-1-9	Tiedown Strap	AR

G. Expandable Parts

Not Applicable

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Cockpit or Passenger cabin

I. Installation (Figure 401) (Figure 402) (Figure 403)

SUBTASK 420-015-A

EFFECTIVITY: FOR AIRCRAFT WITH IRIDIUM-SATELLITE COMMUNICATIONS SYSTEM

- (1) To install Handset and Cradle 1 on the Lavatory Wall, do as follows (refer to Figure 401):
 - (a) Remove the protection cap from the electrical connector (1).
 - (b) Connect the electrical connector (1).
 - (c) Put the clamp (2) in position and install the screw (3).
 - (d) Put the conduit (5) in position and install the screw (5).
 - (e) Put the Cradle (6) in position and install the screws (7) that attach the Cradle (6).
 - (f) Connect the electrical connector (9).
 - (g) Put the Handset (8) on the Cradle (6).
- (2) To install Handset and Cradle 2 on the LH Galley, do as follows (refer to Figure 402):
 - (a) Remove the protection cap from the electrical connector (2).
 - (b) Connect the electrical connector (2).
 - (c) Put the Cradle (3) in position and install the screws (4) that attach the Cradle (3).
 - (d) Put the access plate in position and install the screws (1).
 - (e) Connect the electrical connector (5).
 - (f) Put the Handset (6) on the Cradle (4).
- (3) To install Handset and Cradle 3 on the RH Windscreen, do as follows (refer to Figure 403):
 - (a) Remove the protection cap from the electrical connector (1).
 - (b) Connect the electrical connector (1).
 - (c) Put the Cradle (2) in position and install the screws (3).
 - (d) Install the tiedown straps that attach the electrical wires to the Cradle (2).
 - (e) Connect the electrical connector (5).
 - (f) Put the Handset (4) on the Cradle (2).
- (4) To install Handset and Cradle 4 on the RH Windscreen, do as follows (refer to Figure 403):
 - (a) Remove the protection cap from the electrical connector (1).
 - (b) Connect the electrical connector (1).



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- (c) Put the Cradle (2) in position and install the screws (3).
- (d) Install the tiedown straps that attach the electrical wires to the Cradle (2).
- (e) Connect the electrical connector (5).
- (f) Put the Handset (4) on the Cradle (2).

J. Follow-on

SUBTASK 842-015-A

EFFECTIVITY: FOR AIRCRAFT WITH IRIDIUM-SATELLITE COMMUNICATIONS SYSTEM

- (1) For Handset and Cradle 1 installed on the Lavatory Wall, do as follows:
 - (a) On the Circuit Breaker Panel (Location Tip: SHED DC BUS 2), close the TRANSCEIVER 2 circuit breaker and remove the DO-NOT-CLOSE tag from it.
 - (b) Install the overhead bin ([AMM TASK 25-22-03-400-801-A/400](#)).
- (2) For Handset and Cradle 2 installed on the LH Galley, do as follows:
 - (a) On the Circuit Breaker Panel (Location Tip: SHED DC BUS 2), close the TRANSCEIVER 1 circuit breaker and remove the DO-NOT-CLOSE tag to it.
 - (b) Install the LH galley ([AMM TASK 25-30-07-400-801-A/400](#)).
- (3) For Handset and Cradle 3 installed on the RH Windscreen, do as follows:
 - (a) On the Circuit Breaker Panel (Location Tip: SHED DC BUS 2), close the TRANSCEIVER 2 circuit breaker and remove the DO-NOT-CLOSE tag from it.
 - (b) Install the passenger service unit ([AMM TASK 25-22-05-400-801-A/400](#)).
 - (c) Install the overhead bin ([AMM TASK 25-22-03-400-801-A/400](#)).
- (4) For Handset and Cradle 4 installed on the Cockpit/Passenger Cabin Partition, do as follows:
 - (a) On the Circuit Breaker Panel (Location Tip: SHED DC BUS 2), close the TRANSCEIVER 1 circuit breaker and remove the DO-NOT-CLOSE tag from it.
 - (b) Install the shroud assembly ([AMM TASK 25-21-02-400-801-A/400](#)).
- (5) Do the Telephone System operational test ([AMM TASK 23-15-00-700-801-A/500](#)).