

IC-600 CONFIGURATION MODULE (IM-600) - REMOVAL/INSTALLATION

EFFECTIVITY: AIRCRAFT WITH IC-600 CONFIGURATION MODULE (IM-600)

1. General

- A. This section gives the procedure to remove and install the IC-600 configuration module (IM-600).
- 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
31-42-02-000-803-A	IC-600 CONFIGURATION MODULE (IM-600) - REMOVAL	AIRCRAFT WITH IC-600 CONFIGURATION MODULE (IM-600)
31-42-02-400-803-A	IC-600 CONFIGURATION MODULE (IM-600) - INSTALLATION	AIRCRAFT WITH IC-600 CONFIGURATION MODULE (IM-600)

TASK 31-42-02-000-803-A

EFFECTIVITY: AIRCRAFT WITH IC-600 CONFIGURATION MODULE (IM-600)

2. IC-600 CONFIGURATION MODULE (IM-600) - REMOVAL

A. General

- (1) This task gives the procedure to remove the IC-600 configuration module (IM-600).
- (2) The procedure to remove the IC-1 and IC-2 configuration modules is the same, but the access zones and the circuit breakers are different. The indications in parenthesis are applicable to the IC-2 configuration module.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
AMM MPP 06-41-02/100	-
AMM SDS 24-60-00/1	
AMM TASK 25-11-01-000-801-A/400	PILOT SEAT - REMOVAL
AMM TASK 29-10-00-860-802-A/200	HYDRAULIC SYSTEM - PRESSURIZATION WITH EMDP
AMM TASK 31-42-01-000-801-A/400	INTEGRATED COMPUTER (IC-600) - REMOVAL
AMM TASK 32-00-02-910-801-A/200	SAFETY PIN OF THE NLG DOORS SOLENOID VALVE - INSTALLATION AND REMOVAL
SB145-32-0036	-
WM 20-50-01	-
WM 34-22-50	-

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
114	114BZ	Nose landing gear compartment (RH)
123	221GF	Cockpit floor panel
124	221GF	Cockpit floor panel
123	221EF	Cockpit floor - Left side
124	222FF	Cockpit floor - Right side
123	221CF	Cockpit floor - Left side
124	222BF	Cockpit floor - Right side

D. Tools and Equipment

ITEM	DESCRIPTION	PURPOSE	QTY
MIL-I-81969 (P/N M81969/1-01)	Insertor/Extractor	Pin insertion/extraction	

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	Below the cockpit floor

I. Preparation

SUBTASK 841-002-A

- (1) For IC-1 configuration module removal, do the following steps:
 - (a) On the circuit breaker panel, open the IC-1 circuit breaker and attach a DO-NOT-CLOSE tag to it.
 - (b) (Applicable to aircraft PRE-MOD [SB145-32-0036](#)) Make sure that the pressure in hydraulic system 1 is fully released ([AMM TASK 29-10-00-860-802-A/200](#)).
 - (c) (Applicable to aircraft POST-MOD [SB145-32-0036](#)) Install the safety pin of the NLG-door solenoid valve ([AMM TASK 32-00-02-910-801-A/200](#)).
 - (d) Remove access panel 114BZ (AMM MPP 06-41-01/100) to get access to the backup battery relay box.
 - (e) On the backup battery relay box, open the IC-1 circuit breaker ([AMM SDS 24-60-00/1](#)) and attach a DO-NOT-CLOSE tag to it.
- (2) For IC-2 configuration module removal, do the following steps:
 - (a) On the circuit breaker panel, open the IC-2 circuit breaker and attach a DO-NOT-CLOSE tag to it.
- (3) Remove the pilot seat (copilot seat) ([AMM TASK 25-11-01-000-801-A/400](#)).
- (4) Open floor panels 221EF (222FF), 221CF (222BF), and 221GF (AMM MPP 06-41-02/100).
- (5) Remove IC-1 (IC-2) ([AMM TASK 31-42-01-000-801-A/400](#)).

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

SUBTASK 020-002-A

- (1) Remove the IC-600 configuration module (2) as follows:
 - (a) Remove the screws (6) that attach the configuration module (2) to the IC-600 mounting tray (1).
 - (b) Remove the screws (7) that attach the IC-600 connector (3) J1017 (J1016) to the mounting tray (1).
- Result:
- 1 The connector backshell (4) will be released.

- (c) Pull the backshell rearward to permit the removal of the connector (3).
- (d) Tilt the connector (3) and remove it from the back of the mounting tray (1).

Result:

- 1 The connector (3) will be released.

- (e) (Applicable to IC-1) Remove splices SP5578 and SP4352. With the pin extractor, remove the remaining configuration module (2) pins from the IC-600 connector (3) (WM 20-50-01). Refer to WM 34-22-50.

Result:

- 1 The IC-600 configuration module (2) will be released.

NOTE: If a new configuration module is not installed immediately, insulate the other wires from which the splices were removed.

- (f) (Applicable to IC-2) With the pin extractor, remove the configuration module (2) pins from the IC-600 connector (3) (WM 20-50-01). Refer to WM 34-22-50.

Result:

- 1 The IC-600 configuration module (2) will be released.

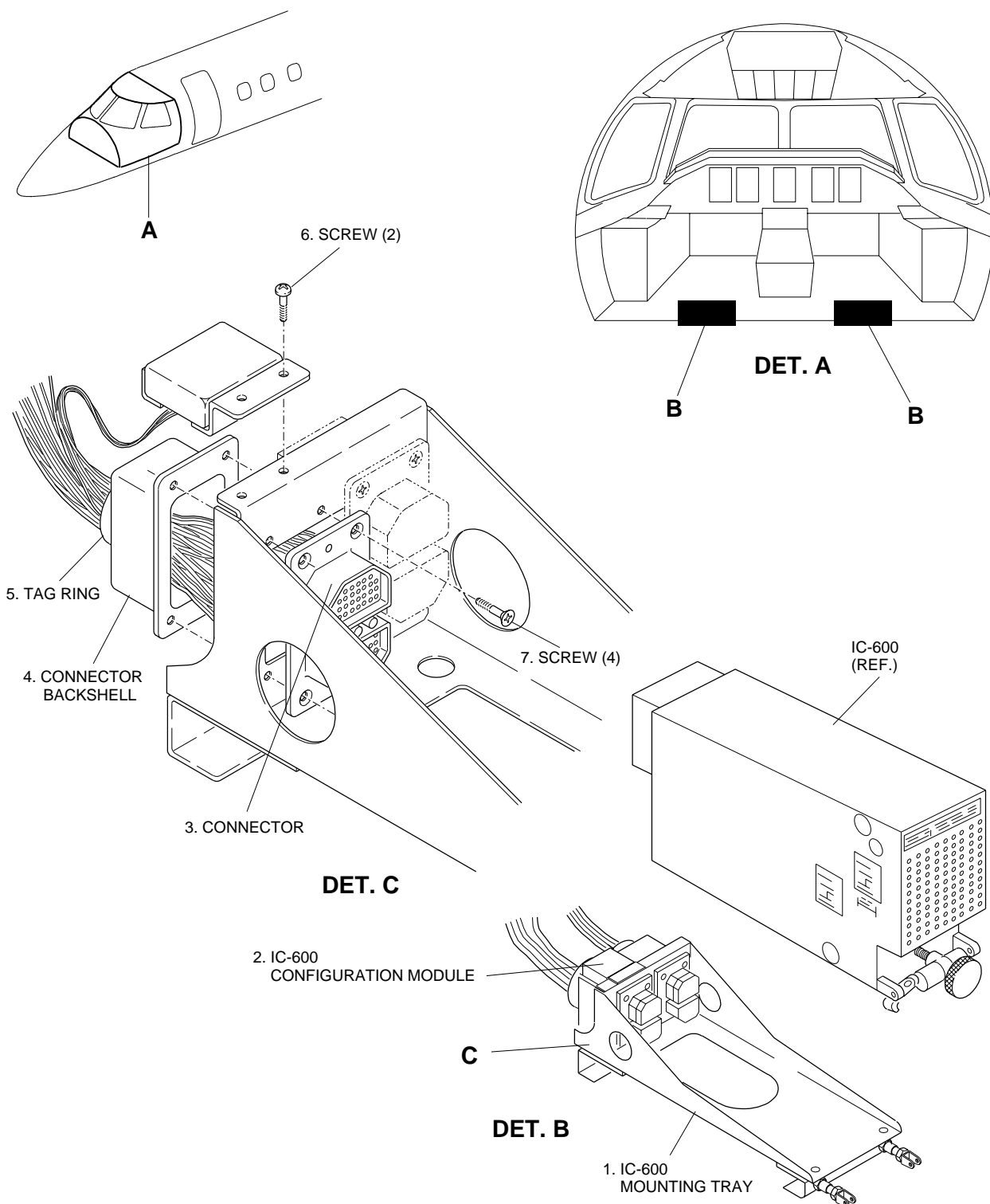
- (g) Remove the IC-600 configuration module (2).

NOTE: Pull the configuration module wires through the tag ring (5); it is not necessary to release it.

EFFECTIVITY: AIRCRAFT WITH IC-600 CONFIGURATION MODULE (IM-600)

IC-600 Configuration Module - Removal/Installation

Figure 401



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TASK 31-42-02-400-803-A

EFFECTIVITY: AIRCRAFT WITH IC-600 CONFIGURATION MODULE (IM-600)

3. IC-600 CONFIGURATION MODULE (IM-600) - INSTALLATION

A. General

- (1) This task gives the procedure to install the IC-600 configuration module (IM-600).
- (2) The procedure to install the IC-1 and IC-2 configuration modules is the same, but the access zones and circuit breakers are different. The indications in parenthesis are applicable to the IC-2 configuration module.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
AMM MPP 06-41-02/100	-
AMM SDS 24-60-00/1	
AMM TASK 25-11-01-400-801-A/400	PILOT SEAT - INSTALLATION
AMM TASK 28-41-00-200-801-A/600	-
AMM TASK 31-42-01-400-801-A/400	INTEGRATED COMPUTER (IC-600) - INSTALLATION
AMM TASK 31-42-02-860-801-A/200	IC-600 CONFIGURATION MODULE - DOWNLOADING
AMM TASK 32-00-02-910-801-A/200	SAFETY PIN OF THE NLG DOORS SOLENOID VALVE - INSTALLATION AND REMOVAL
SB145-32-0036	-
WM 20-21-00	-
WM 20-50-01	-
WM 34-22-50	-

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
114	114BZ	Nose landing gear compartment (RH)
123	221GF	Cockpit floor panel
124	221GF	Cockpit floor panel
123	221EF	Cockpit floor - Left side
124	222FF	Cockpit floor - Right side
123	221CF	Cockpit floor - Left side
124	222BF	Cockpit floor - Right side

D. Tools and Equipment

ITEM	DESCRIPTION	PURPOSE	QTY
MIL-I-81969 (P/N M81969/1-01)	Insertor/Extractor	Pin insertion/extraction	

E. Auxiliary Items

Not Applicable

F. Consumable Materials

<i>SPECIFICATION (BRAND)</i>	<i>DESCRIPTION</i>	<i>QTY</i>
MIL-S-81824 (P/N D-436-82)	Splice	2

G. Expandable Parts

Not Applicable

H. Persons Recommended

<i>QTY</i>	<i>FUNCTION</i>	<i>PLACE</i>
1	Does the task	Below the cockpit floor

I. Installation (Figure 401)

SUBTASK 420-002-A

- (1) Install the IC-600 configuration module (2) as follows:
 - (a) Put the IC-600 configuration module (2) in position.
 - (b) (Applicable to IC-1) Refer to WM 34-22-50, WM 20-21-00 and WM 20-50-01 and connect the configuration module pins as follows:
 1. Do again splices SP4352 and SP5578.
 2. Put the remaining configuration module (2) pins through the tag ring (5). Then use the pin inserter to put the pins into the IC-1 connector (3).
 - (c) (Applicable to IC-2) As shown in WM 34-22-50, put the configuration module (2) pins through the tag ring (5). Then use the pin inserter to put the pins into the IC-2 connector (3). Refer to WM 20-50-01.
 - (d) Tilt the connector (3) and put it through the back of the mounting tray (1). Thus the connector is put into position.
 - (e) Push the backshell (4) to the back of the mounting tray (1).
 - (f) Tighten the screws (7) that attach IC-600 connector (3) J1017 (J1016) to the mounting tray (1).
 - (g) Tighten the screws (6) that attach the IC-600 configuration module (2) to the IC-600 mounting tray (1).

J. Follow-on

SUBTASK 842-002-A

- (1) Install IC-1 (IC-2) ([AMM TASK 31-42-01-400-801-A/400](#)).
- (2) Do an inspection on the fuel quantity indication harness (AMM TASK 28-41-00-200-801-A/600).

NOTE: The inspection of fuel quantity indication harness is a part of Critical Design Configuration Control Limitations (CDCCL) in the Airworthiness Limitations of the Maintenance Review Board Report (MRB).

- (3) Close floor panels 221EF (222FF), 221CF (222BF), and 221GF (AMM MPP 06-41-02/100).
- (4) Install the pilot (copilot) seat ([AMM TASK 25-11-01-400-801-A/400](#)).
- (5) For IC-1 configuration module installation, do the following steps:
 - (a) On the circuit breaker panel, remove the DO-NOT-CLOSE tag from the IC-1 circuit breaker and close it.
 - (b) On the backup battery relay box, remove the DO-NOT-CLOSE tag from the IC-1 circuit breaker ([AMM SDS 24-60-00/1](#)) and close it.
 - (c) Install access panel 114BZ (AMM MPP 06-41-01/100).
 - (d) (Applicable to aircraft POST-MOD [SB145-32-0036](#)) Remove the safety pin of the NLG-door solenoid valve ([AMM TASK 32-00-02-910-801-A/200](#)).
- (6) For IC-2 configuration module installation, do the following steps:
 - (a) On the circuit breaker panel, remove the DO-NOT-CLOSE tag from the IC-2 circuit breaker and close it.
- (7) Program the IC-600 configuration module ([AMM TASK 31-42-02-860-801-A/200](#)).