

INTEGRATED COMPUTER (IC-600) - REMOVAL/INSTALLATION

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to remove and install the Integrated Computer (IC-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 |
|--------------------|---|-------------|
| 31-42-01-000-801-A | INTEGRATED COMPUTER (IC-600) - REMOVAL | ALL |
| 31-42-01-400-801-A | INTEGRATED COMPUTER (IC-600) - INSTALLATION | ALL |

TASK 31-42-01-000-801-A

EFFECTIVITY: ALL

2. INTEGRATED COMPUTER (IC-600) - REMOVAL

A. General

(1) This procedure gives the instructions to remove the Integrated Computer (IC-600).

B. References

| REFERENCE | DESIGNATION |
|---------------------------------|---|
| AMM MPP 06-41-01/100 | - |
| AMM MPP 06-41-02/100 | - |
| AMM SDS 24-60-00/1 | |
| AMM TASK 29-10-00-860-802-A/200 | HYDRAULIC SYSTEM - PRESSURIZATION WITH EMDP |
| AMM TASK 32-00-02-910-801-A/200 | SAFETY PIN OF THE NLG DOORS SOLENOID VALVE - INSTALLATION AND REMOVAL |
| SB145-32-0036 | - |

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 |

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 | In the area below the cockpit floor, on the LH and RH sides |

I. Preparation

SUBTASK 841-002-A

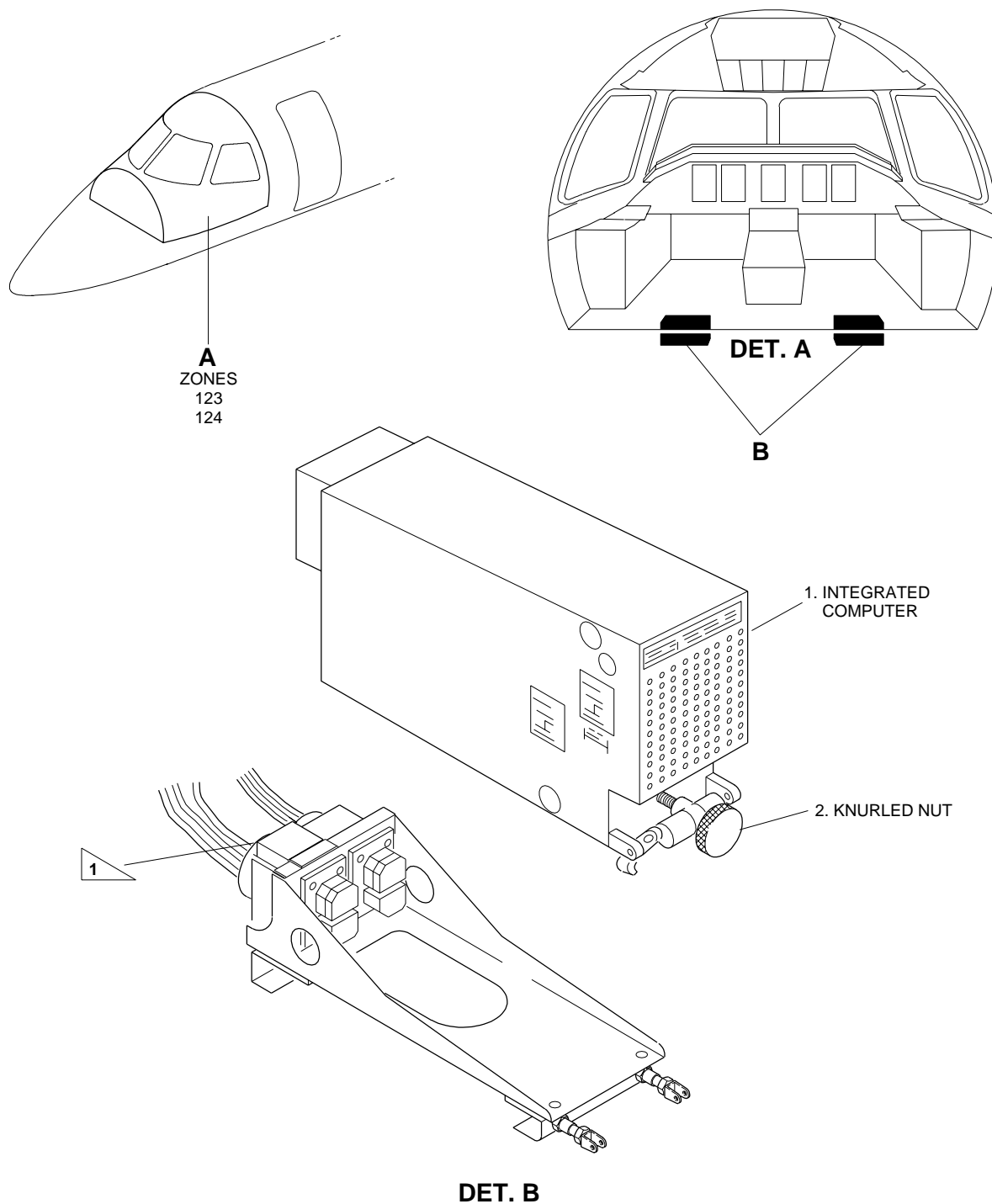
(1) For the IC-1 removal:

- (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 removal:
 - (a) On the circuit breaker panel, open the IC-2 circuit breaker and attach a DO-NOT-CLOSE tag to it.
 - (3) Open floor panel 221GF (AMM MPP 06-41-02/100).
- J. Removal ([Figure 401](#))
- SUBTASK 020-002-A*
- (1) Release the knurled nut (2).
 - (2) Remove the Integrated Computer (1).

EFFECTIVITY: ALL

Integrated Computer (IC-600) - Removal/Installation

Figure 401



1 AIRCRAFT WITH IC-600 CONFIGURATION MODULE .

145AMM310133.MCE A

TASK 31-42-01-400-801-A
EFFECTIVITY: ALL

3. INTEGRATED COMPUTER (IC-600) - INSTALLATION

A. General

(1) This procedure gives the instructions to install the Integrated Computer (IC-600).

B. References

| REFERENCE | DESIGNATION |
|---|---|
| AMM MPP 06-41-01/100 | - |
| AMM MPP 06-41-02/100 | - |
| AMM SDS 24-60-00/1 | |
| AMM TASK 28-41-00-200-801-A/600 | - |
| AMM TASK 31-42-00-700-801-A/500 | INTEGRATED COMPUTERS - OPERATIONAL TEST |
| AMM TASK 32-00-02-910-801-A/200 | SAFETY PIN OF THE NLG DOORS SOLENOID VALVE - INSTALLATION AND REMOVAL |
| IPC 31-42-01 | INTEGRATED COMPUTER |
| SB145-32-0036 | - |

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 |

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 | In the area below the cockpit floor, on the LH and RH sides |

I. Installation (Figure 401)

SUBTASK 420-002-A

CAUTION: WHEN YOU PUT THE UNIT ON THE MOUNTING TRAY, DO NOT FORCE FIT. IF MATING IS DIFFICULT, REMOVE THE UNIT AND LOOK FOR CONNECTOR PINS THAT CAN BE BENT OR OUT OF ALIGNMENT. ALSO, DO A VISUAL CHECK ON THE ALIGNMENT OF THE RECEPTACLE ON THE MOUNTING TRAY.

- (1) Install the Integrated Computer (1).

NOTE: Make sure that the correct part number is installed on the pilot's and copilot's sides (refer to IPC 31-42-01).

- (2) Attach the knurled nut (2).

J. Follow-on

SUBTASK 842-002-A

- (1) 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).

- (2) Close floor panel 221GF (AMM MPP 06-41-02/100).
- (3) For the IC-1 installation:
 - (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](#)).
- (4) For the IC-2 installation:
 - (a) On the circuit breaker panel, remove the DO-NOT-CLOSE tag from the IC-2 circuit breaker and close it.
- (5) Do the integrated computer operational test ([AMM TASK 31-42-00-700-801-A/500](#)).