

## AILERON ACTUATING KNOB AND PULL CABLE - REMOVAL/INSTALLATION

*EFFECTIVITY: ALL*

### 1. General

- A. This section gives the procedures to remove and install the actuating knob and pull cable assembly of the aileron disconnect system.
- 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
27-15-01-000-801-A	ACTUATING KNOB AND PULL CABLE ASSEMBLY - REMOVAL	ALL
27-15-01-400-801-A	ACTUATING KNOB AND PULL CABLE ASSEMBLY - INSTALLATION	ALL

TASK 27-15-01-000-801-A

EFFECTIVITY: ALL

## 2. ACTUATING KNOB AND PULL CABLE ASSEMBLY - REMOVAL

### A. General

- (1) This procedure gives the instructions to remove the actuating knob and pull cable assembly of the aileron disconnect system.

### B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
AMM MPP 06-41-02/100	-
<a href="#">AMM TASK 25-11-01-000-801-A/400</a>	PILOT SEAT - REMOVAL
<a href="#">AMM TASK 31-41-01-000-801-A/400</a>	DATA ACQUISITION UNIT - REMOVAL
<a href="#">AMM TASK 31-42-01-000-801-A/400</a>	INTEGRATED COMPUTER (IC-600) - REMOVAL

### C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
123	123BL	Below the cockpit floor
124		Below the cockpit floor

### 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
1	Helps the other technician	Below the cockpit floor

### I. Preparation

#### SUBTASK 841-002-A

- (1) Remove control rigging door 123BL (AMM MPP 06-41-01/100).
- (2) Remove the pilot seat ([AMM TASK 25-11-01-000-801-A/400](#)).
- (3) Remove floor panels 221EF and 221GF (AMM MPP 06-41-02/100).

- (4) Remove the data acquisition unit 1 (DAU 1) ( [AMM TASK 31-41-01-000-801-A/400](#)) and its mounting rack.
- (5) Remove the integrated computer 1 (IC 1) ( [AMM TASK 31-42-01-000-801-A/400](#)) and its mounting rack.

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

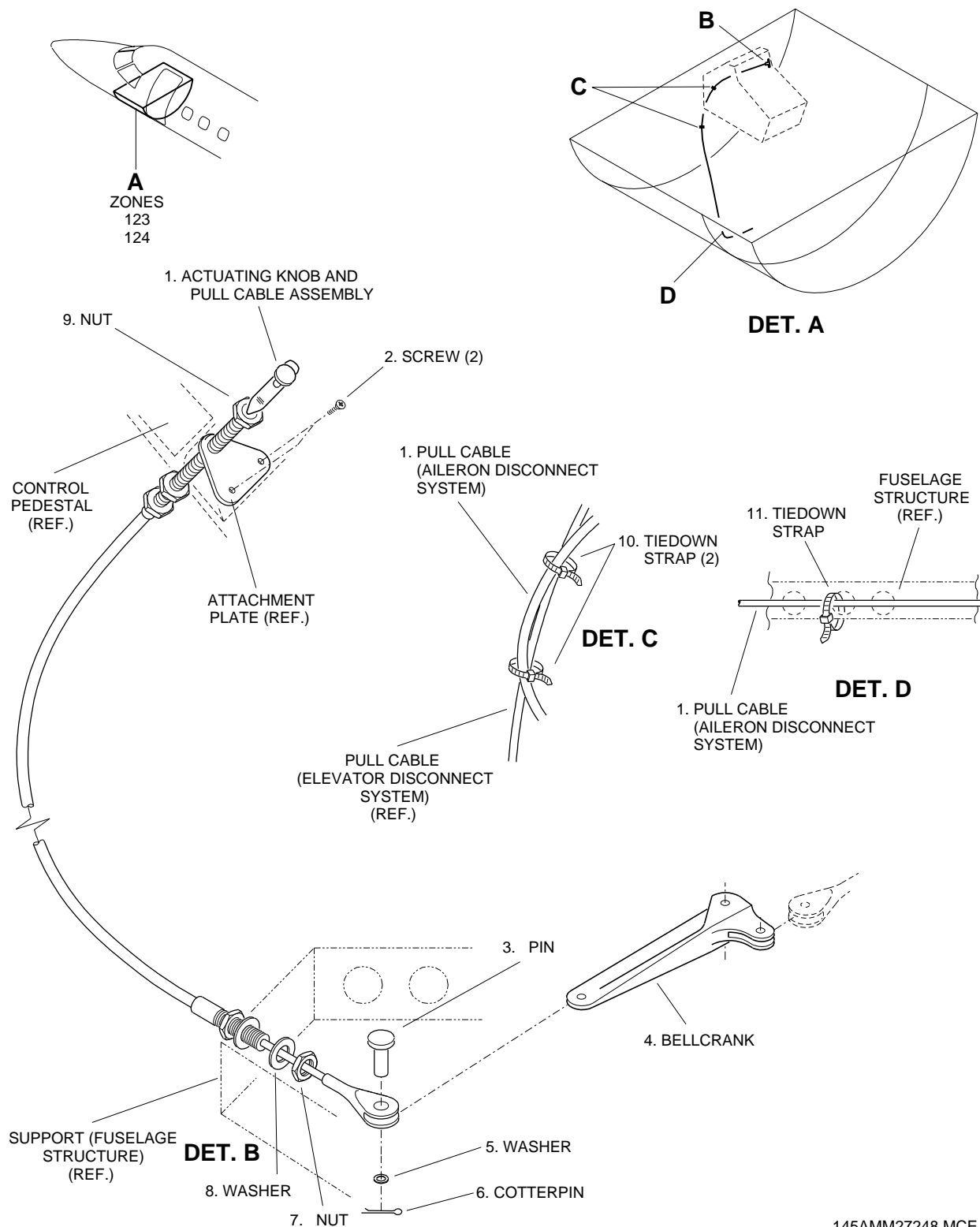
*SUBTASK 020-002-A*

- (1) Cut and remove the tie-down straps (10) (2 positions) and (11). Refer to DET. C and D.
- (2) Remove the cotter pin (6), washer (5), and pin (3) to release the end of the pull cable (1) from the bellcrank (4).
- (3) Remove the nut (7) and washer (8), and release the end of the pull cable (1) from the support at the fuselage structure.
- (4) Loosen the nut (9).
- (5) Remove the screws (2) (2 positions).
- (6) Remove the actuating knob and pull cable assembly (1).

EFFECTIVITY: ALL

Actuating Knob and Pull Cable Assembly - Removal/Installation

Figure 401



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TASK 27-15-01-400-801-A  
EFFECTIVITY: ALL

### 3. ACTUATING KNOB AND PULL CABLE ASSEMBLY - INSTALLATION

#### A. General

- (1) This procedure gives the instructions to install the actuating knob and pull cable assembly of the aileron disconnect system.

#### B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
AMM MPP 06-41-02/100	-
AMM TASK 25-11-01-400-801-A/400	PILOT SEAT - INSTALLATION
AMM TASK 27-15-00-700-801-A/500	OPERATIONAL CHECK OF THE AILERON DISCONNECT SYSTEM
AMM TASK 28-41-00-200-801-A/600	-
AMM TASK 31-41-01-400-801-A/400	DATA ACQUISITION UNIT - INSTALLATION
AMM TASK 31-42-01-400-801-A/400	INTEGRATED COMPUTER (IC-600) - INSTALLATION
IPC 27-15-00	AILERON DISCONNECT

#### C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
123	123BL	Below the cockpit floor
124		Below the cockpit floor

#### D. Tools and Equipment

Not Applicable

#### E. Auxiliary Items

Not Applicable

#### F. Consumable Materials

SPECIFICATION (BRAND)	DESCRIPTION	QTY
MS3367-5-9	Tie-down strap	3

#### G. Expendable Parts

ITEM	IPC REFERENCE (VENDOR REFERENCE)	QTY
Cotter pin	IPC 27-15-00	1

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Cockpit
1	Helps the other technician	Below the cockpit floor

I. Installation (Figure 401)

**SUBTASK 420-002-A**

- (1) Put the actuating knob and pull cable assembly (1) in its installation position.
- (2) Put the attachment plate of the actuating knob and pull cable assembly (1) on the control pedestal and install the screws (2) (2 positions).
- (3) Tighten the nut (9).
- (4) Put the washer (8) and nut (9) on the end of the pull cable (1).
- (5) Put the end of the pull cable (1) on the bellcrank (4) and install the pin (3), washer (5) and cotter pin (6).
- (6) Tighten the nut (7).
- (7) Install the tie-down straps (10) to attach the pull cable (1) of the aileron disconnect system to the pull cable of the elevator disconnect system.
- (8) Install the tie-down strap (11) to attach the pull cable (1) of the aileron disconnect system to the fuselage structure.

J. Follow-on

**SUBTASK 842-002-A**

- (1) Do an operational check of the aileron disconnect system ( [AMM TASK 27-15-00-700-801-A/500](#)).
- (2) Install the integrated computer 1 (IC 1) ( [AMM TASK 31-42-01-400-801-A/400](#)) and its mounting rack.
- (3) Install the data acquisition unit 1 (DAU 1) ( [AMM TASK 31-41-01-400-801-A/400](#)) and its mounting rack.
- (4) 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 part of Critical Design Configuration Control Limitations (CDCCL) in the Airworthiness Limitations of the Aircraft Maintenance Program.

- (5) Install floor panels 221EF and 221GF (AMM MPP 06-41-02/100).
- (6) Install the pilot seat ([AMM TASK 25-11-01-400-801-A/400](#)).
- (7) Install control rigging door 123BL (AMM MPP 06-41-01/100).