



AIRCRAFT MAINTENANCE MANUAL

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 AS- ALL SEMBLY - REMOVAL	
27-15-01-400-801-A	ACTUATING KNOB AND PULL CABLE AS- ALL SEMBLY - INSTALLATION	



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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	-
AMM TASK 25-11-01-000-801-A/400	PILOT SEAT - REMOVAL
AMM TASK 31-41-01-000-801-A/400	DATA ACQUISITION UNIT - REMOVAL
AMM TASK 31-42-01-000-801-A/400	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](#))

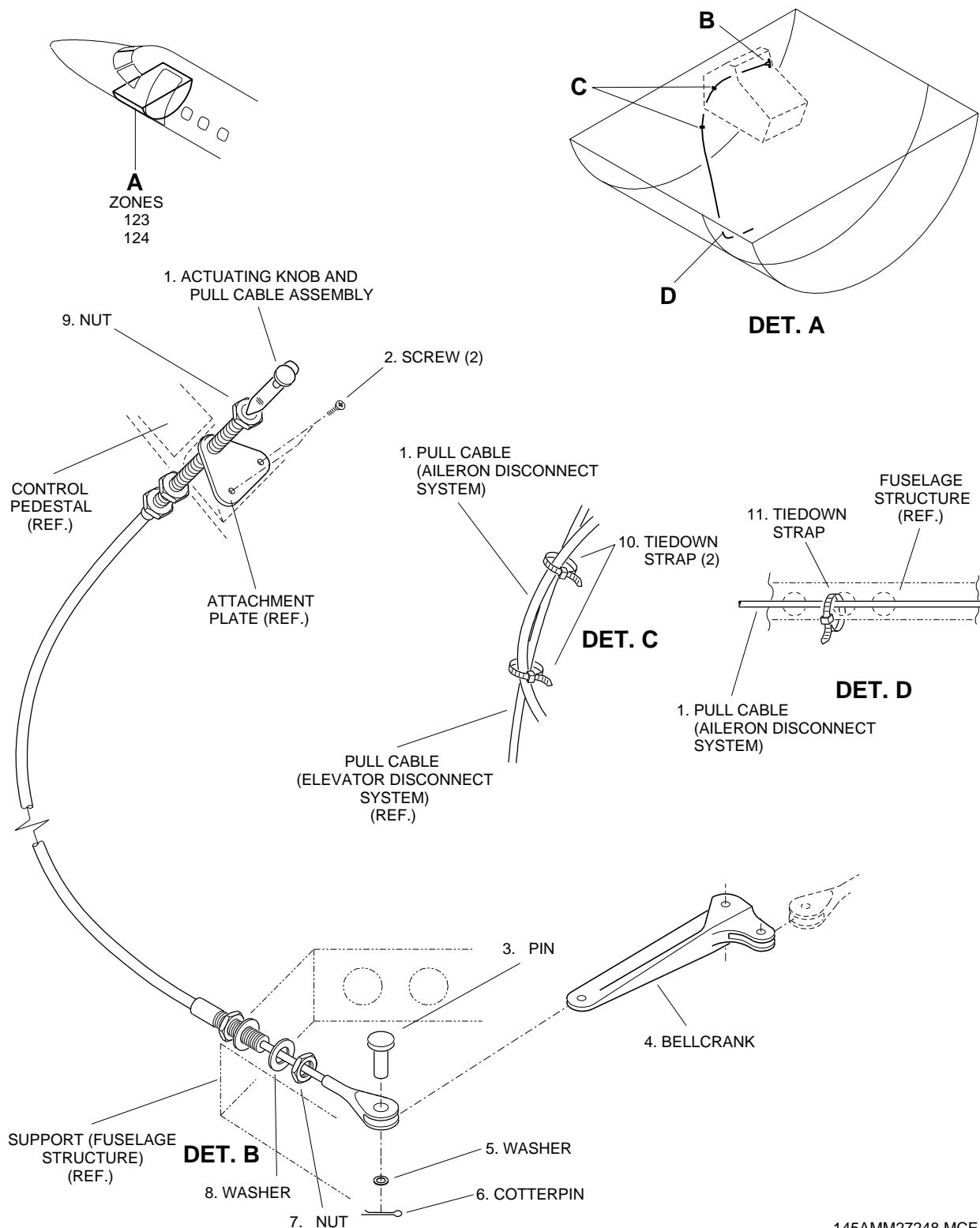
SUBTASK 020-002-A

- (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



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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).