

## LOAD POTENTIOMETER - REMOVAL/INSTALLATION

*EFFECTIVITY: ALL*

1. General

- A. This section gives the procedures to remove and install the load potentiometer.
- 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
32-50-05-000-801-A	LOAD POTENTIOMETER - REMOVAL	ALL
32-50-05-400-801-A	LOAD POTENTIOMETER - INSTALLATION	ALL

TASK 32-50-05-000-801-A

EFFECTIVITY: ALL

## 2. LOAD POTENTIOMETER - REMOVAL

### A. General

(1) This task gives the procedures to remove the load potentiometer.

### B. References

REFERENCE	DESIGNATION
AMM MPP 06-42-00/100	-
<a href="#">AMM TASK 31-17-01-000-801-A/400</a>	MAINTENANCE PANEL - REMOVAL

### C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
123	123BL	Controls, rigging door
223	223LZ	Cockpit, LH side

### D. Tools and Equipment

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Soldering iron (30 W)	To remove the solder and release the wires	

### 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

### I. Preparation

#### *SUBTASK 841-002-A*

- (1) On the circuit breaker panel, open the STEER circuit breaker and attach a DO-NOT-CLOSE tag to it.
- (2) Open access door 223LZ (AMM MPP 06-42-00/100).
- (3) Remove maintenance panel 123BL ( [AMM TASK 31-17-01-000-801-A/400](#)).

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

*SUBTASK 020-002-A*

- (1) Carefully cut and discard the heat-shrinkable sleeves from the wire terminals (5).

CAUTION: • IDENTIFY THE WIRE TERMINALS (5) TO PREVENT A POSSIBLE INVERSION DURING THE INSTALLATION.

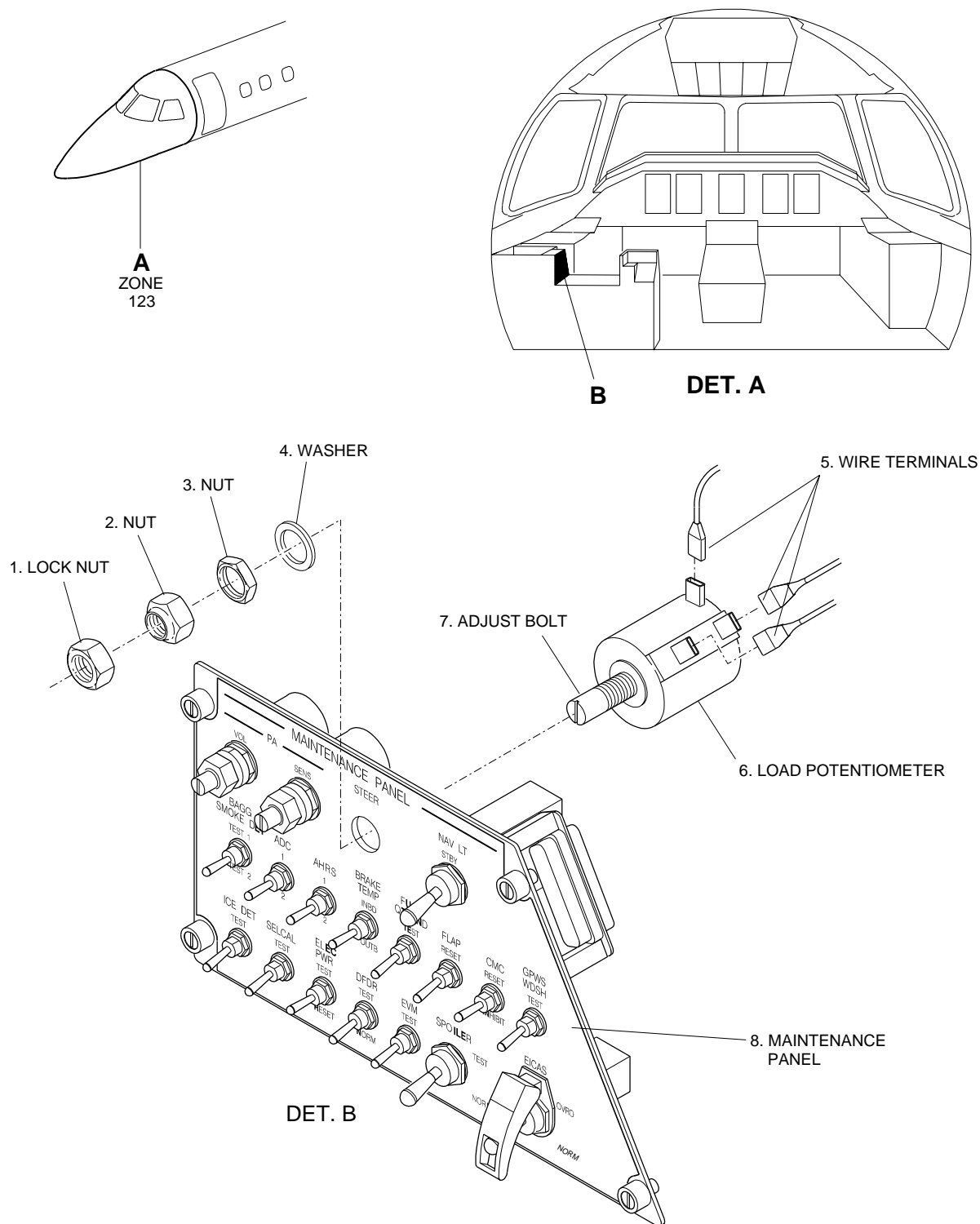
- REMOVE THE SOLDER AND RELEASE THE WIRE TERMINALS (5) FROM THE SOLDERED LOAD-POTENTIOMETER CONTACTS.

- (2) Hold the load potentiometer (6) and remove the lock nuts (1), (2), and (3) and washer (4).
- (3) Remove the load potentiometer (6) from maintenance panel 123BL (8).

EFFECTIVITY: ALL

Load Potentiometer - Removal/Installation

Figure 401



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TASK 32-50-05-400-801-A  
EFFECTIVITY: ALL

### 3. LOAD POTENTIOMETER - INSTALLATION

#### A. General

(1) This task gives the procedures to install the load potentiometer.

#### B. References

REFERENCE	DESIGNATION
AMM MPP 06-42-00/100	-
AMM TASK 31-17-01-400-801-A/400	MAINTENANCE PANEL - INSTALLATION
AMM TASK 32-50-00-700-802-A/500	NOSE WHEEL STEERING SYSTEM - QUICK ADJUSTMENT
AMM TASK 32-50-00-700-803-A/500	NOSE WHEEL STEERING SYSTEM ACTUATION - OPERATIONAL CHECK
AMM TASK 32-50-05-700-801-A/500	LOAD POTENTIOMETER - ADJUSTMENT

#### C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
123	123BL	Controls rigging door
223	223LZ	Cockpit LH

#### D. Tools and Equipment

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Soldering iron (30 W)	To solder the wires	
Commercially available	Heat gun	To install the heat-shrinkable sleeves	

#### E. Auxiliary Items

Not Applicable

#### F. Consumable Materials

SPECIFICATION (BRAND)	DESCRIPTION	QTY
SB60PB40	Soldering wire	AR
Commercially available	Heat-shrinkable sleeves	AR

#### G. Expandable Parts

Not Applicable

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Cockpit

I. Installation (Figure 401)

*SUBTASK 420-002-A*

- (1) Put the load potentiometer (6) on the maintenance panel (8) in such a position that the locking pin goes through the guide hole.
- (2) Install the washer (4), nuts (3) and (2), and lock nut (1).
- (3) Put the heat-shrinkable sleeves on the wire terminals (5) and move them away from the end to be soldered.
- (4) Solder the wire terminals (5) to the load potentiometer (6) contacts.
- (5) Move the heat-shrinkable sleeves on the soldered connection and tighten the sleeves with a heat gun.

J. Follow-on

*SUBTASK 842-002-A*

- (1) Adjust the load potentiometer ([AMM TASK 32-50-05-700-801-A/500](#)).
- (2) On the circuit breaker panel, close the STEER circuit breaker and remove the DO-NOT-CLOSE tag from it.
- (3) Adjust of the nose wheel steering system. Refer to [AMM TASK 32-50-00-700-802-A/500](#).
- (4) Do the operational check of the nose-wheel steering system for actuation ( [AMM TASK 32-50-00-700-803-A/500](#)).
- (5) Install maintenance panel 123BL back ( [AMM TASK 31-17-01-400-801-A/400](#)).
- (6) Close access door 223LZ (AMM MPP 06-42-00/100).