



AIRCRAFT
MAINTENANCE MANUAL

LOAD POTENTIOMETER - ADJUSTMENT/TEST

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to do the adjustment/test of 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
32-50-05-700-801-A	LOAD POTENTIOMETER - ADJUSTMENT	ALL



AIRCRAFT MAINTENANCE MANUAL

TASK 32-50-05-700-801-A

EFFECTIVITY: ALL

2. LOAD POTENTIOMETER - ADJUSTMENT

A. General

(1) This task gives the procedures to do the adjustment/test of the Load Potentiometer.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-42-00/100	-
AMM TASK 31-17-01-000-801-A/400	MAINTENANCE PANEL - REMOVAL
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
WM 32-53-50/1	-

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
GSE 050	Digital multimeter	To measure the resistance	

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



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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. Load Potentiometer - Adjustment ([Figure 501](#))

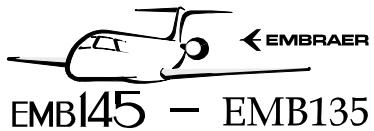
SUBTASK 720-002-A

- (1) Get access to connector P7189 through access panel 123BL .
- (2) Disconnect connector P7189.
- (3) Measure the resistance between pins (39 and 40) and (41 and 40) at connector J7189 whose wire comes from Load Potentiometer R7011 (WM 32-53-50/1). Write down the measured values.
- (4) The difference ($r_{39-40} - r_{40-41}$) or ($r_{40-41} - r_{39-40}$) must be less than or equal to 30 Ohms. If the difference is more than 30 Ohms, release the adjusting bolt nut and adjust the adjusting bolt until the difference is at a value less than or equal to 30 Ohms. Then, tighten the adjusting bolt nut ([Figure 502](#)).

K. Follow-on

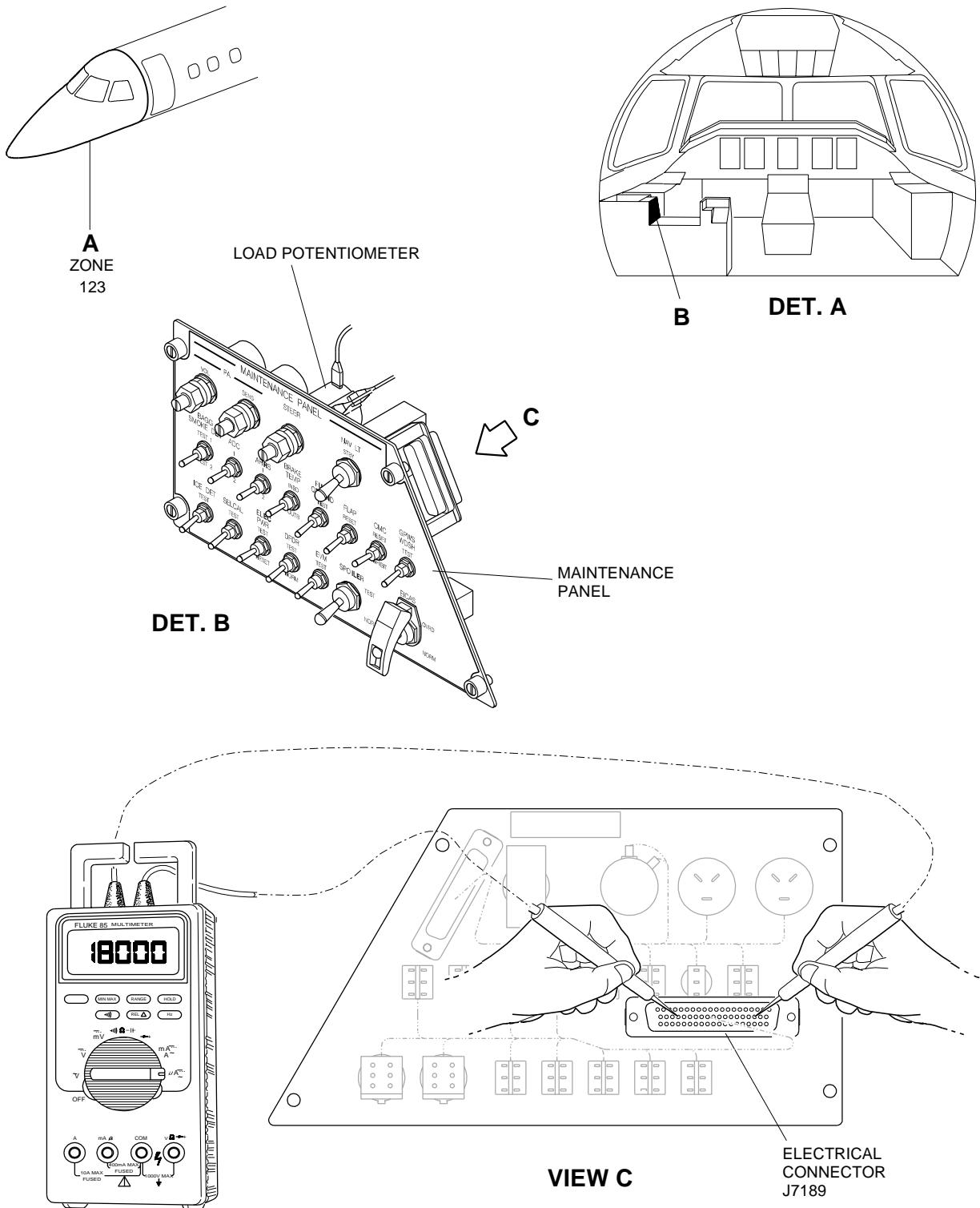
SUBTASK 842-002-A

- (1) Reinstall connector P7189.
- (2) On the circuit breaker panel, remove the DO-NOT-CLOSE tag and close the STEER circuit breaker.
- (3) Adjust 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 actuation. Refer to [AMM TASK 32-50-00-700-803-A/500](#).
- (5) Install the maintenance panel. Refer to [AMM TASK 31-17-01-400-801-A/400](#).
- (6) Close access door 223LZ. Refer to AMM MPP 06-42-00/100.



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EFFECTIVITY: ALL
Load Potentiometer - Test
Figure 501



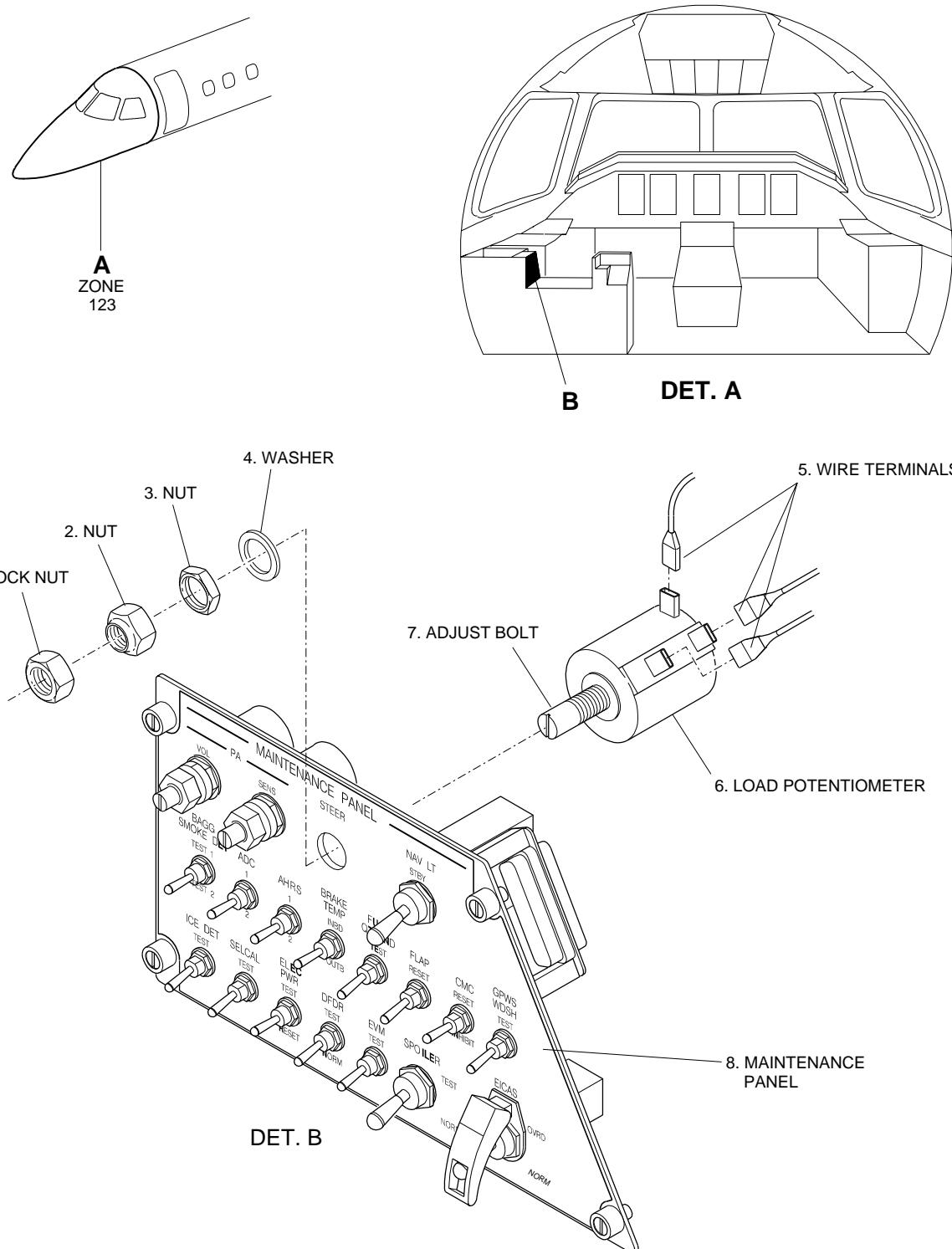
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EFFECTIVITY: ALL
 Load Potentiometer - Adjustment
 Figure 502



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