

## RUDDER PEDAL POTENTIOMETER - ADJUSTMENT/TEST

*EFFECTIVITY: ALL*

### 1. General

- A. This section gives the procedures to do the adjustment/test of the Rudder Pedal 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
<a href="#">32-50-02-700-801-A</a>	RUDDER PEDAL POTENTIOMETER - ADJUSTMENT/TEST	ALL

TASK 32-50-02-700-801-A

EFFECTIVITY: ALL

## 2. RUDDER PEDAL POTENTIOMETER - ADJUSTMENT/TEST

### A. General

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

### B. References

REFERENCE	DESIGNATION
<a href="#">AMM TASK 25-11-01-000-801-A/400</a>	PILOT SEAT - REMOVAL
<a href="#">AMM TASK 25-11-01-400-801-A/400</a>	PILOT SEAT - INSTALLATION
<a href="#">AMM TASK 25-12-06-000-801-A/400</a>	PEDAL ASSEMBLY LINING - REMOVAL
<a href="#">AMM TASK 25-12-06-400-801-A/400</a>	PEDAL ASSEMBLY LINING - INSTALLATION
<a href="#">AMM TASK 32-50-00-700-803-A/500</a>	NOSE WHEEL STEERING SYSTEM ACTUATION - OPERATIONAL CHECK

### C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
223	223HZ	Cockpit, LH side

### D. Tools and Equipment

ITEM	DESCRIPTION	PURPOSE	QTY
<a href="#">GSE 050</a>	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

### 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) Remove the pilot seat ([AMM TASK 25-11-01-000-801-A/400](#)).

- (3) Remove the pedal assembly shroud ( [AMM TASK 25-12-06-000-801-A/400](#)).

J. Rudder Pedal Potentiometer - Adjustment ([Figure 501](#))

*SUBTASK 720-002-A*

- (1) On the electronic control unit, disconnect electrical connector P7034.
- (2) Measure the resistance between pins B and C and pins B and A at connector P7034. Write down the measured values. The (rBC - rBA) difference must be less than or equal to 30 ohms.
- (3) If the difference is more than 30 Ohms, adjust the rudder pedal potentiometer R7000. For this, do the steps below:
  - (a) Partially loosen the adjusting screw and let the pedal potentiometer stand stay in a position where the resistance difference is less than or equal 30 Ohms.
  - (b) Tighten the adjusting screws.
- (4) Connect electrical connector P7034 to the electronic control unit.

K. Follow-on

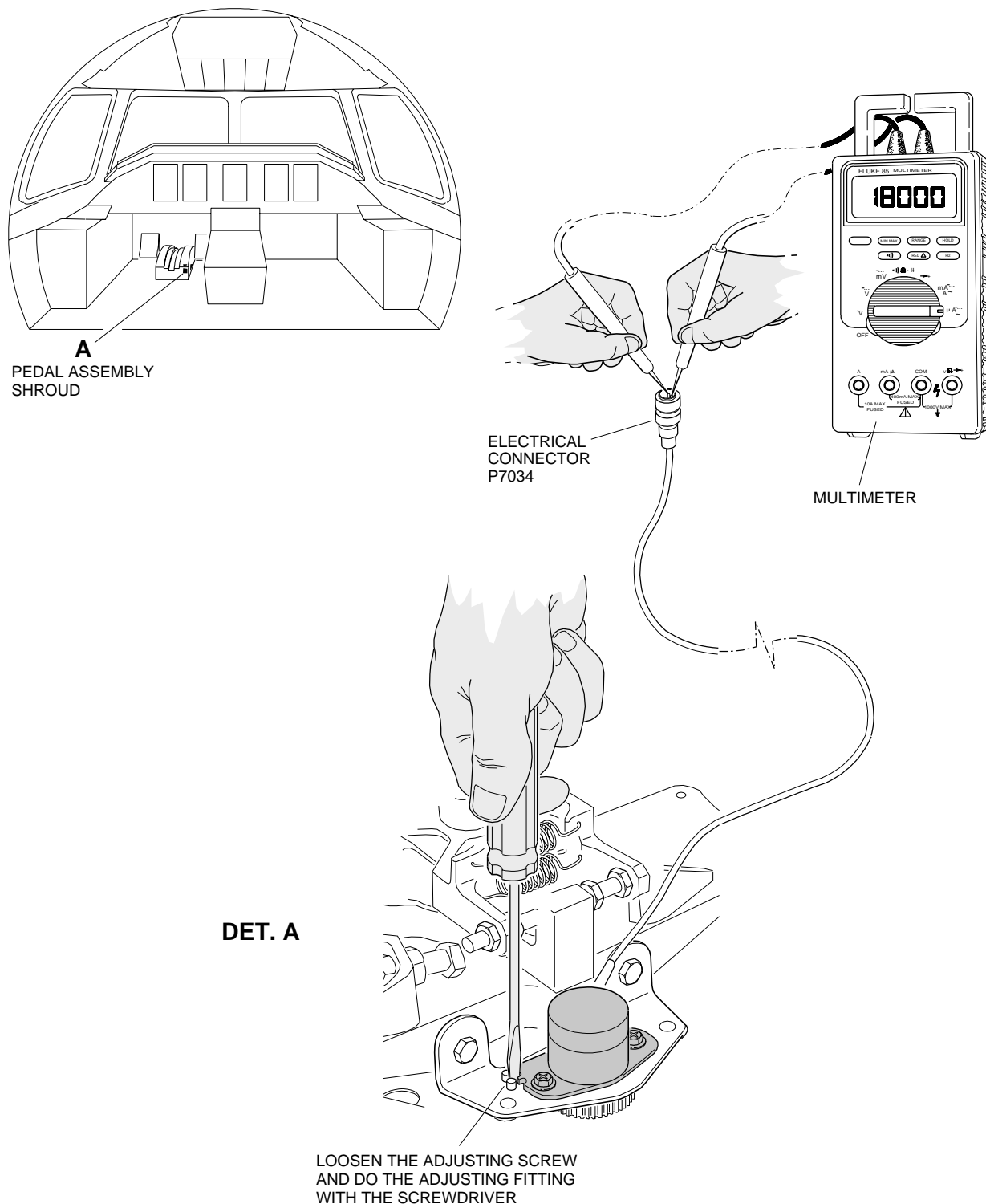
*SUBTASK 842-002-A*

- (1) Install the pedal assembly shroud ( [AMM TASK 25-12-06-400-801-A/400](#)).
- (2) Install the pilot seat ([AMM TASK 25-11-01-400-801-A/400](#)).
- (3) On the circuit breaker, close the STEER circuit breaker and remove the DO-NOT-CLOSE tag.
- (4) Do the operational check of the nose wheel steering system actuation( [AMM TASK 32-50-00-700-803-A/500](#)).

EFFECTIVITY: ALL

Rudder Pedal Potentiometer - Adjustment

Figure 501



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