



AIRCRAFT MAINTENANCE MANUAL

RUDDER SERVO - INSPECTION/CHECK

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to do an inspection of the SM-200 rudder servo and SB-200 rudder servo support.
- 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
22-11-05-200-801-A	RUDDER SERVO AND SUPPORT - IN-SPECTION	ALL



EMB145 - EMB135

AIRCRAFT
MAINTENANCE MANUAL

TASK 22-11-05-200-801-A

EFFECTIVITY: ALL

2. RUDDER SERVO AND SUPPORT - INSPECTION

A. General

- (1) This task gives the procedures to do a visual inspection of the rudder servo and support.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
AMM MPP 06-41-02/100	-
AMM TASK 22-11-05-000-801-A/400	RUDDER AUTOPILOT SERVO - REMOVAL
AMM TASK 22-11-05-000-802-A/400	SUPPORT OF THE RUDDER AUTOPILOT SERVO - REMOVAL
AMM TASK 22-11-05-400-801-A/400	RUDDER AUTOPILOT SERVO - INSTALLATION
AMM TASK 22-11-05-400-802-A/400	SUPPORT OF THE RUDDER AUTOPILOT SERVO - INSTALLATION
AMM TASK 27-21-01-700-802-A/500	-

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
272	272DR	Rear electronic compartment

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	Rear electronic compartment

I. Preparation

SUBTASK 841-002-A

- (1) On the circuit breaker panel, open the AP 1 circuit breaker and attach a DO-NOT-CLOSE tag to it.
- (2) Remove the access door 272DR (AMM MPP 06-41-01/100).



AIRCRAFT
MAINTENANCE MANUAL

- (3) Remove floor panel 271DF (AMM MPP 06-41-02/100).

J. Rudder Servo and Support - Inspection ([Figure 601](#))

SUBTASK 210-002-A

- (1) Do a visual inspection of the rudder servo and support for:
 - (a) Brackets and cable wear or contamination.
 - (b) Cable spool off angle.
 - (c) Security of installation of servo and servo support to the airframe.
- (2) Move the rudder.
- (3) Make sure that the servo and servo support have no noise, binding, backlash or other mechanical irregularities.
- (4) Do a check to see if the rudder servo-control cable is under specified tension (AMM TASK 27-21-01-700-802-A/500).

NOTE: If you find a failure of the servo or servo support, replace the defective servo ([AMM TASK 22-11-05-000-801-A/400](#)), ([AMM TASK 22-11-05-400-801-A/400](#)) or servo support ([AMM TASK 22-11-05-000-802-A/400](#)), ([AMM TASK 22-11-05-400-802-A/400](#)).

K. Follow-on

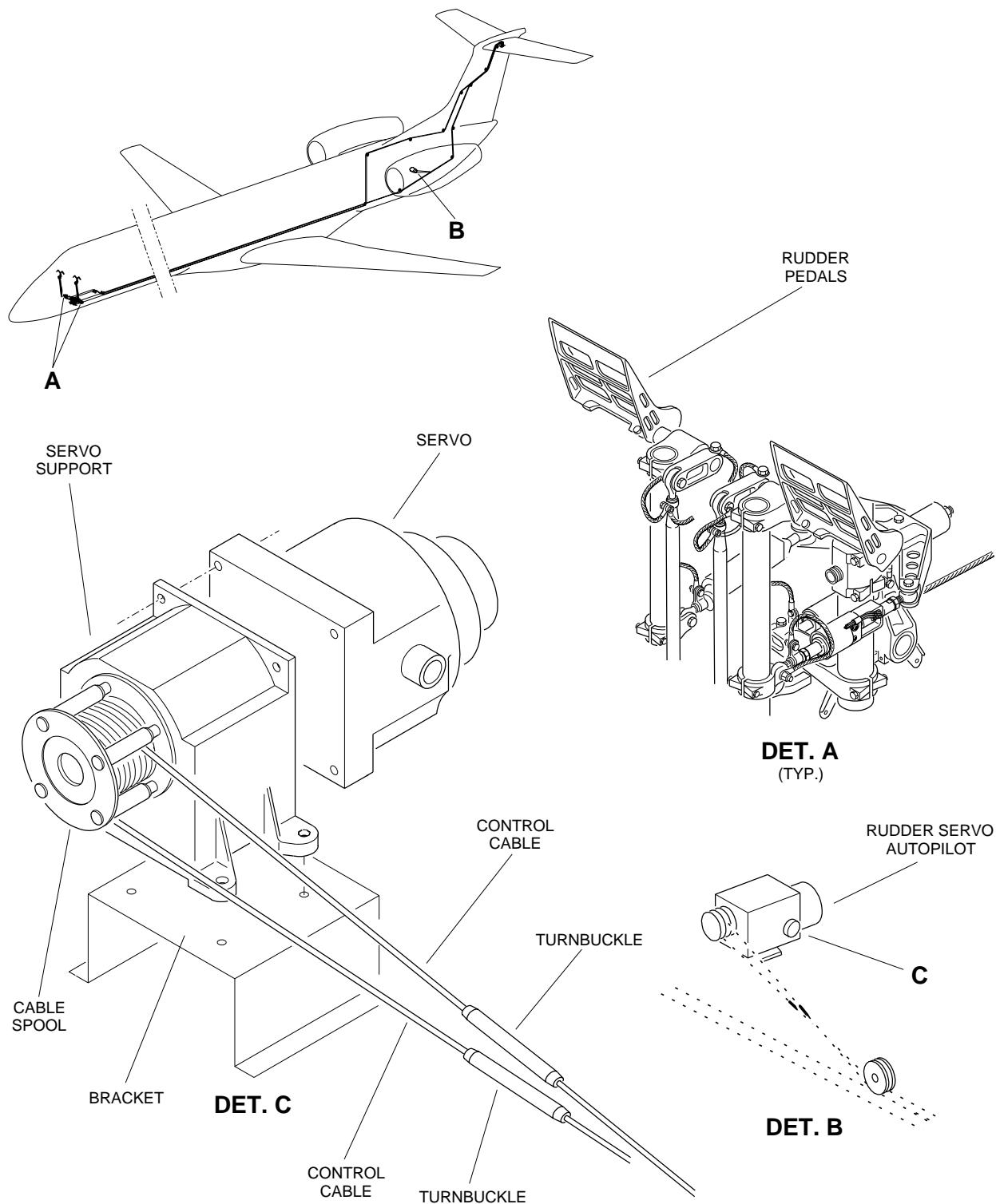
SUBTASK 842-002-A

- (1) Install floor panel 271DF (AMM MPP 06-41-02/100).
- (2) Install access door 272DR (AMM MPP 06-41-01/100).
- (3) On the circuit breaker panel, close the AP 1 circuit breaker and remove the DO-NOT-CLOSE tag from it.

EFFECTIVITY: ALL

Rudder Servo and Support - Inspection

Figure 601



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