



AIRCRAFT
MAINTENANCE MANUAL

STEERING ELECTRONIC CONTROL MODULE (SECM) - REMOVAL/INSTALLATION

EFFECTIVITY: ALL

1. General

- A. This section gives the procedure to remove and install the Nose Wheel Steering Electronic Control Module.
- 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
32-50-03-000-801-A	NOSE WHEEL STEERING ELECTRONIC CONTROL MODULE - REMOVAL	ALL
32-50-03-400-801-A	NOSE WHEEL STEERING ELECTRONIC CONTROL MODULE - INSTALLATION	ALL



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TASK 32-50-03-000-801-A

EFFECTIVITY: ALL

2. NOSE WHEEL STEERING ELECTRONIC CONTROL MODULE - REMOVAL

A. General

- (1) This task gives the procedures to remove the steering electronic control module.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
123	123BL	Controls rigging door

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	Area below the cockpit floor

I. Preparation

SUBTASK 841-002-A

- (1) On the circuit breaker panel, open the STEER circuit breaker and attach DO-NOT-CLOSE tag to it.
- (2) Open access door 123BL (AMM MPP 06-41-01/100).

J. Removal (Figure 401)

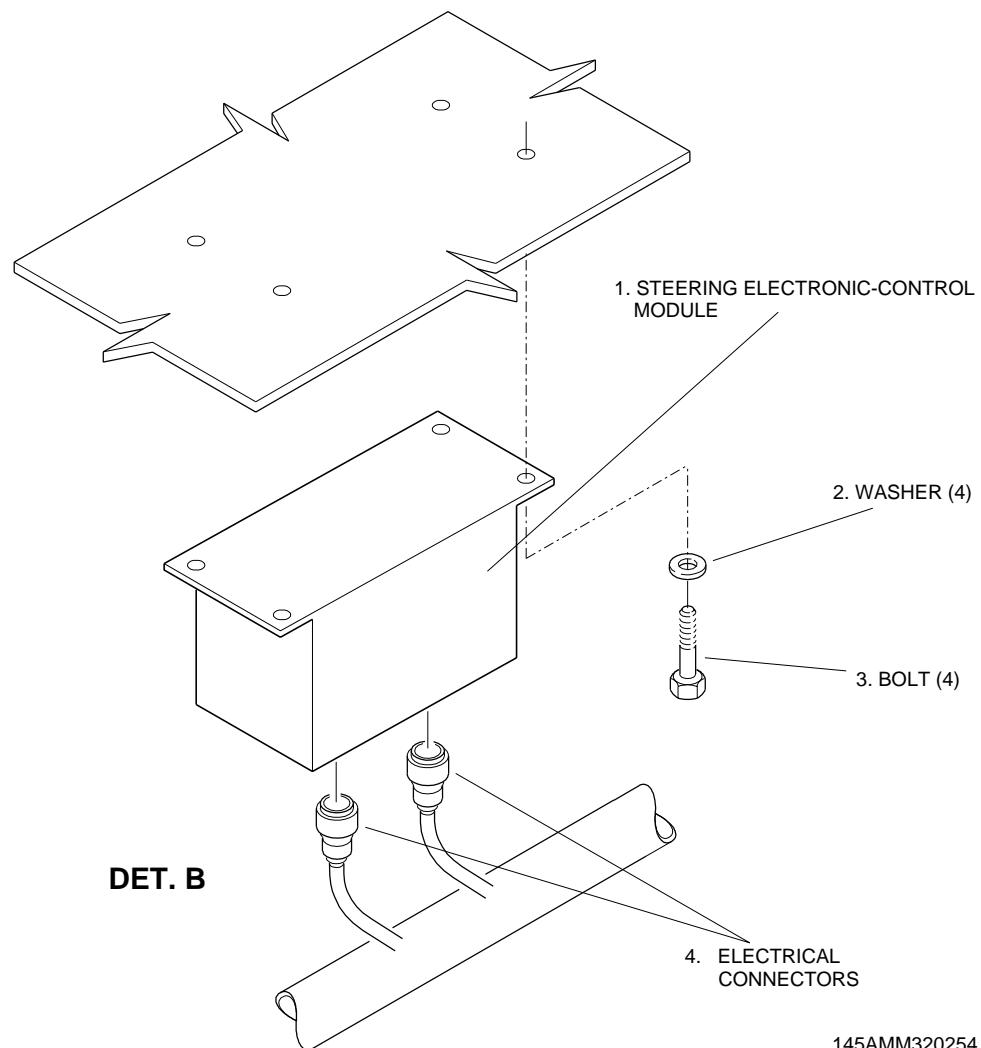
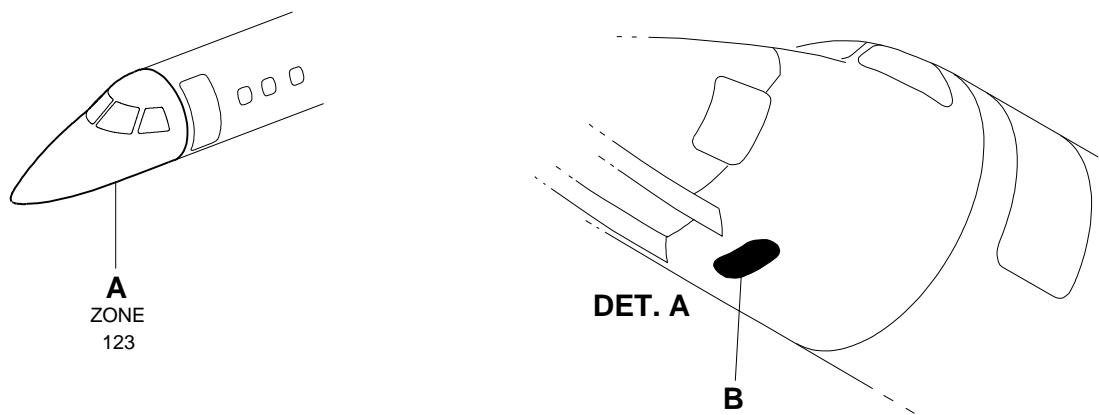
SUBTASK 020-002-A

- (1) Disconnect the electrical connectors (4).
- (2) Remove the bolts (3) and washers (2).
- (3) Remove the steering electronic control module (1).

EFFECTIVITY: ALL

Nose Wheel Steering Electronic Control Module - Removal/Installation

Figure 401



145AMM320254.MCE A



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TASK 32-50-03-400-801-A

EFFECTIVITY: ALL

3. NOSE WHEEL STEERING ELECTRONIC CONTROL MODULE - INSTALLATION

A. General

- (1) This task gives the procedure to install the nose wheel steering electronic control module.
- (2) The maximum steering authority is 55 degrees for aircraft PRE-MOD. [S.B.145-32-0002](#).
- (3) The maximum steering authority is 76 degrees for aircraft POST-MOD. [S.B.145-32-0002](#).

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
AMM TASK 32-50-00-700-803-A/500	NOSE WHEEL STEERING SYSTEM ACTUATION - OPERATIONAL CHECK
S.B.145-32-0002	-

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
123	123BL	Controls rigging door

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	Area below the cockpit floor

I. Installation (Figure 401)

SUBTASK 420-002-A

CAUTION: MAKE SURE THAT THE STEERING ELECTRONIC CONTROL MODULE TO BE INSTALLED AGREES WITH THE STEERING AUTHORITY PERMITTED BY THE NLG STRUT.

- (1) Install the steering electronic control module (1).



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NOTE: Steering Electronic Control Module POST-MOD. [S.B.145-32-0002](#) must be used only with 76 degrees steering authority. Do not use it with NLG strut PRE-MOD. S.B. 145-32-0002.

- (2) Install the washers (2) and bolts (3).
- (3) Connect the electrical connectors (4).
- (4) Close access door 123BL (AMM MPP 06-41-01/100).

J. Follow-on

SUBTASK 842-002-A

- (1) On the circuit breaker panel, close the STEER circuit breaker and remove the DO-NOT-CLOSE tag from it.
- (2) Do the check below:
 - (a) Push the steering disengage button (STEER DISC) on the pilot's yoke.
Result:
1 On the EICAS, the STEER INOP caution message comes into view.
 - (b) Push the steering handle.
Result:
1 On the EICAS display, the STEER INOP caution message goes out of view.
- (3) Do the operational check of the nose wheel steering system actuation ([AMM TASK 32-50-00-700-803-A/500](#)).

