



## AIRCRAFT MAINTENANCE MANUAL

### FMS JOYSTICK - REMOVAL/INSTALLATION

EFFECTIVITY: AIRCRAFT WITH FMS UNIVERSAL

#### 1. General

- A. This section gives the procedures to remove and install the FMS Joystick.
- 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
34-62-08-000-801-A	FMS JOYSTICK - REMOVAL	AIRCRAFT WITH FMS UNIVERSAL
34-62-08-400-801-A	FMS JOYSTICK - INSTALLATION	AIRCRAFT WITH FMS UNIVERSAL



EMB145 – EMB135

AIRCRAFT  
MAINTENANCE MANUAL

TASK 34-62-08-000-801-A

EFFECTIVITY: AIRCRAFT WITH FMS UNIVERSAL

2. FMS JOYSTICK - REMOVAL

A. General

This procedure gives the instructions to remove the FMS Joystick.

B. References

REFERENCE	DESIGNATION
AMM TASK 20-13-10-000-801-A/400	CONTROL PANELS - REMOVAL (TYPICAL)

C. Zones and Accesses

Not Applicable

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	Cockpit

I. Preparation

SUBTASK 841-002-A

- (1) (Aircraft with single FMS) On the circuit breaker panel, open the CMPTR (Location tip: DC BUS 1/NAV/CMPTR) circuit breaker and attach a DO-NOT-CLOSE tag to it.
- (2) (Aircraft with dual FMS) On the Overhead Circuit breaker panel, open the circuit breakers below and attach a DO-NOT-CLOSE tag to them:
  - CHANNEL 1 (Location tip: ESSENTIAL DC BUS 1/STALL PROT/CHANNEL 1).
  - SHAKER 1 (Location tip: ESSENTIAL DC BUS 1/STALL PROT/SHAKER 1).
  - CHANNEL 2 (Location tip: DC BUS 2/STALL PROT/CHANNEL 2).
  - SHAKER 2 (Location tip: DC BUS 2/STALL PROT/SHAKER 2).
  - PUSHER CLUTCH (Location tip: DC BUS 2/STALL PROT/PUSHER CLUTCH).
  - FMS1 (Location tip: DC BUS 1/NAV/FMS1).



## AIRCRAFT MAINTENANCE MANUAL

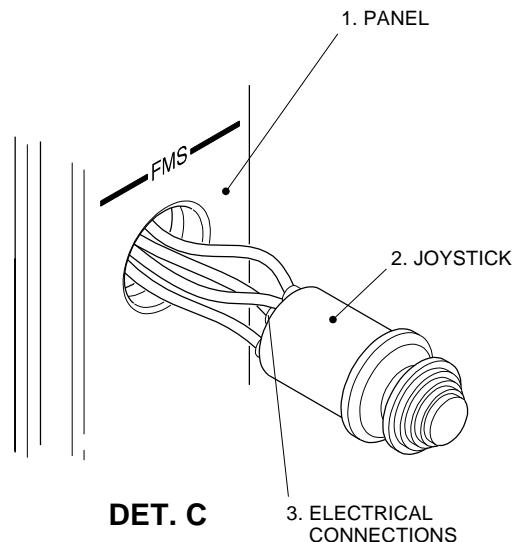
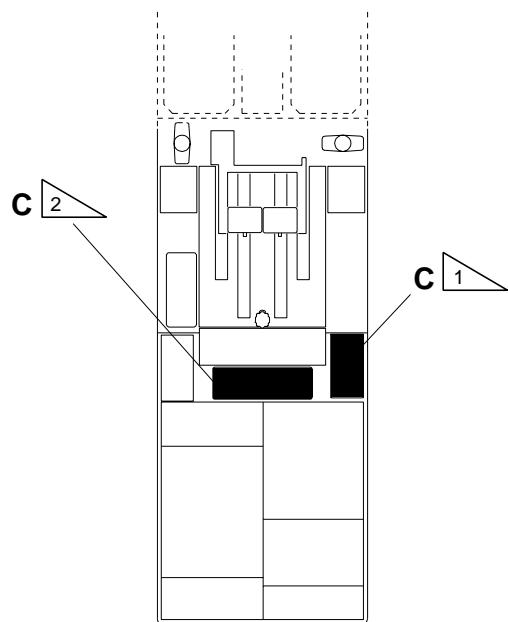
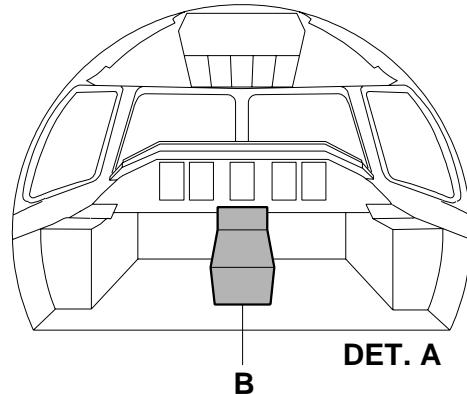
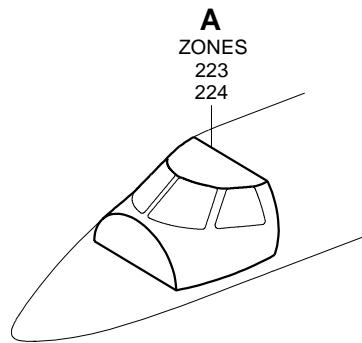
- (3) (Aircraft with dual FMS) On the right power control/distribution box, open the PUSHER MOTOR circuit breaker and attach a DO-NOT-CLOSE tag to it.

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

#### SUBTASK 020-002-A

- (1) Remove the panel (1) with the joystick (2) installed to get access to the electrical connections (3), refer to AMM task Control Panels - Removal [AMM TASK 20-13-10-000-801-A/400](#).
- (2) Unsolder the electrical connections (3) from the joystick (2).
- (3) Push the joystick (3) and remove it from the panel (1).

**EFFECTIVITY: AIRCRAFT WITH FMS UNIVERSAL**  
 Joystick - Removal/Installation  
 Figure 401



1 AIRCRAFT WITH SINGLE FMS.

2 AIRCRAFT WITH DUAL FMS.

EM145AMM341047A.DGN



EMB145 - EMB135

AIRCRAFT  
MAINTENANCE MANUAL

---

TASK 34-62-08-400-801-A

EFFECTIVITY: AIRCRAFT WITH FMS UNIVERSAL

3. FMS JOYSTICK - INSTALLATION

## A. General

This procedure gives the instructions to install the FMS Joystick.

## B. References

REFERENCE	DESIGNATION
AMM TASK 20-13-10-400-801-A/400	CONTROL PANELS - INSTALLATION (TYPICAL)
WM 20-30-00	-
WM 34-61-50	-
WM 34-62-50	-

## C. Zones and Accesses

Not Applicable

## 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	Cockpit

## I. Installation (Figure 401)

## SUBTASK 420-002-A

- (1) Insert the joystick (3) into the panel (1).
- (2) (Aircraft with single FMS) Solder the electrical connections (3) to the joystick (2), refer to Aircraft Wiring Manual (WM 34-61-50) and to Soldering Procedures (WM 20-30-00).
- (3) (Aircraft with dual FMS) Solder the electrical connections (3) to the joystick (2), refer to Aircraft Wiring Manual (WM 34-62-50) and to Soldering Procedures (WM 20-30-00).
- (4) To install the panel (1), refer to AMM task Control Panels - Install [AMM TASK 20-13-10-400-801-A/400](#).



EMB145 - EMB135

AIRCRAFT  
MAINTENANCE MANUAL

J. Follow-on

SUBTASK 842-002-A

- (1) (Aircraft with single FMS) On the circuit breaker panel, close the CMPTR (Location tip: DC BUS 1/NAV/CMPTR) circuit breaker and remove the DO-NOT-CLOSE tag from it.
- (2) (Aircraft with dual FMS) On the Overhead Circuit breaker panel, close the circuit breakers below and remove the DO-NOT-CLOSE tag from them:
  - CHANNEL 1 (Location tip: ESSENTIAL DC BUS 1/STALL PROT/CHANNEL 1).
  - SHAKER 1 (Location tip: ESSENTIAL DC BUS 1/STALL PROT/SHAKER 1).
  - CHANNEL 2 (Location tip: DC BUS 2/STALL PROT/CHANNEL 2).
  - SHAKER 2 (Location tip: DC BUS 2/STALL PROT/SHAKER 2).
  - PUSHER CLUTCH (Location tip: DC BUS 2/STALL PROT/PUSHER CLUTCH).
  - FMS1 (Location tip: DC BUS 1/NAV/FMS1).
- (3) (Aircraft with dual FMS) On the right power control/distribution box, close the PUSHER MOTOR circuit breaker and remove the DO-NOT-CLOSE tag from it.