



AIRCRAFT MAINTENANCE MANUAL

FLIGHT GUIDANCE CONTROLLER - REMOVAL/INSTALLATION

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to remove/install the Flight Guidance Controller (GC-550).
- 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
22-11-01-000-801-A	FLIGHT GUIDANCE CONTROLLER (GC-550) - REMOVAL	ALL
22-11-01-400-801-A	FLIGHT GUIDANCE CONTROLLER (GC-550) - INSTALLATION	ALL



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TASK 22-11-01-000-801-A

EFFECTIVITY: ALL

2. FLIGHT GUIDANCE CONTROLLER (GC-550) - REMOVAL

A. General

- (1) This task gives the procedures to remove the Flight Guidance Controller (GC-550).

B. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
223	223AZ	Glareshield panel

C. Tools and Equipment

Not Applicable

D. Auxiliary Items

Not Applicable

E. Consumable Materials

Not Applicable

F. Expandable Parts

Not Applicable

G. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Glareshield panel

H. Preparation

SUBTASK 841-002-A

- (1) Open these circuit breakers and attach a DO-NOT-CLOSE tag to them.
- PUSH BUTTONS (Location Tip: DC BUS 2 / LIGHTS).
 - PILOT PANEL (Location Tip: ESSENTIAL DC BUS 1 / LIGHTS).
 - AP 1 (Location Tip: DC BUS 1 / FLIGHTS CONTROLS).

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

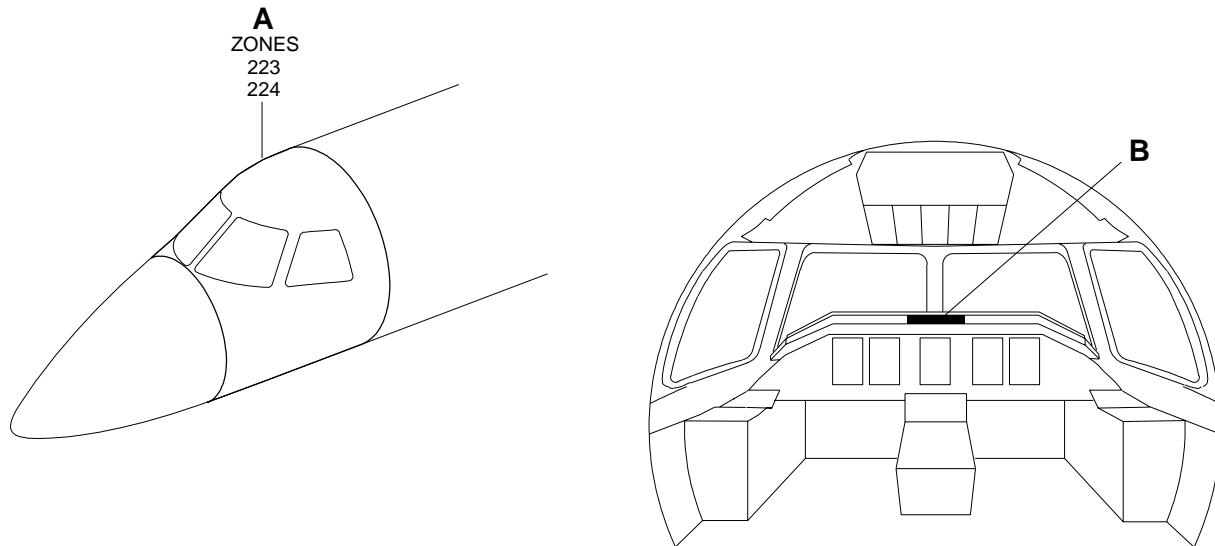
SUBTASK 020-002-A

- Loosen the Dzus fasteners (1) (4 positions).
- Carefully pull GC-550 (2) from its housing to get access to the electrical connector (3).
- Disconnect the electrical connector (3) from GC-550 (2).
- Install protection caps on the electrical connector (3).

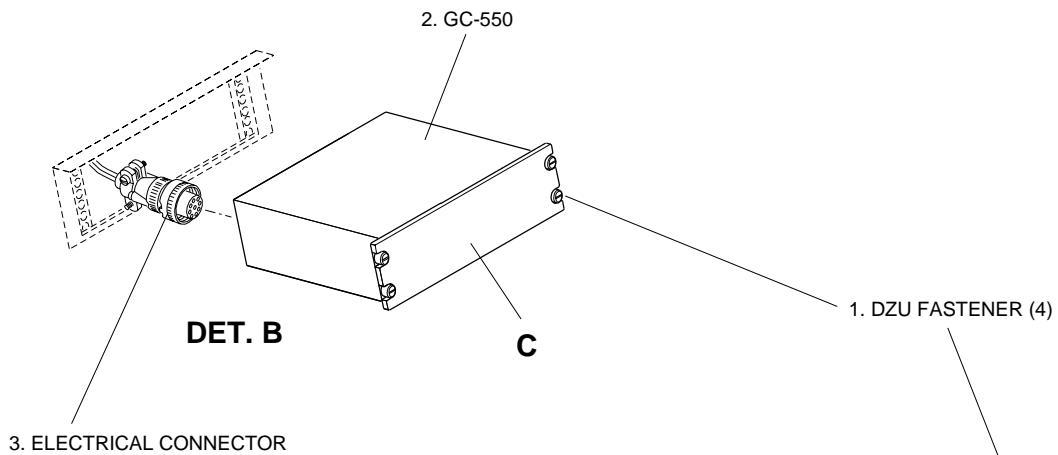
EFFECTIVITY: ALL

Flight Guidance Controller (GC-550) - Removal/Installation

Figure 401

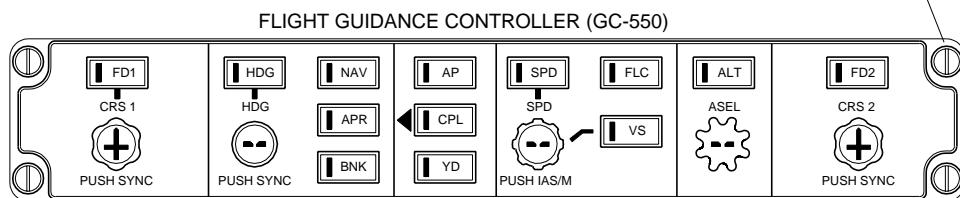


DET. A



DET. B

C



DET. C

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TASK 22-11-01-400-801-A

EFFECTIVITY: ALL

3. FLIGHT GUIDANCE CONTROLLER (GC-550) - INSTALLATION

A. General

- (1) This task gives the procedures to install the Flight Guidance Controller (GC-550).

B. References

REFERENCE	DESIGNATION
AMM TASK 22-11-00-700-801-A/500	AUTOPILOT GO-AROUND MODE - OPERATIONAL CHECK

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
223	223AZ	Glareshield panel

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	Glareshield panel

I. Installation (Figure 401)

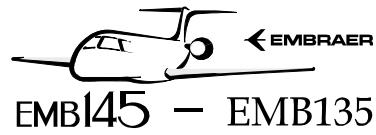
SUBTASK 420-002-A

- (1) Remove the protection caps from the electrical connector (3).
- (2) Hold GC-550 (2) and connect the electrical connector (3).
- (3) Carefully install GC-550 (2) in its housing.
- (4) Tighten the Dzus fasteners (1) (4 positions).

J. Follow-on

SUBTASK 842-002-A

- (1) Close these circuit breakers and remove the DO-NOT-CLOSE tag from them.
 - (a) PUSH BUTTONS (Location Tip: DC BUS 2 / LIGHTS).



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- (b) PILOT PANEL (Location Tip: ESSENTIAL DC BUS 1 / LIGHTS).
- (c) AP 1 (Location Tip: DC BUS 1 / FLIGHTS CONTROLS).
- (2) Do the operational check of the Autopilot Go-Around Mode ([AMM TASK 22-11-00-700-801-A/500](#)).

