



AIRCRAFT MAINTENANCE MANUAL

GLARESHIELD PANEL - REMOVAL/INSTALLATION

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to remove and install the glareshield panel.
- B. The glareshield panel is located on the cockpit, above the main panel.
- C. 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
31-12-01-000-801-A	GLARESHIELD PANEL - REMOVAL	ALL
31-12-01-400-801-A	GLARESHIELD PANEL - INSTALLATION	ALL



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TASK 31-12-01-000-801-A

EFFECTIVITY: ALL

2. GLARESHIELD PANEL - REMOVAL

A. General

- (1) This procedure gives the instructions to remove the glareshield panel.

B. References

REFERENCE	DESIGNATION
AMM TASK 20-13-10-000-801-A/400	CONTROL PANELS - REMOVAL (TYPICAL)
AMM TASK 25-12-07-000-801-A/400	GLARESHIELD COVERAGE - REMOVAL
AMM TASK 31-11-01-000-801-A/400	MAIN INSTRUMENT PANEL - REMOVAL
AMM TASK 31-11-01-000-802-A/400	MAIN INSTRUMENT PANEL - REMOVAL

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	In the cockpit

I. Preparation

SUBTASK 841-002-A

- (1) Make sure that the aircraft is deenergized.
- (2) Remove the main instrument panel ([AMM TASK 31-11-01-000-801-A/400](#)) or ([AMM TASK 31-11-01-000-802-A/400](#)), as applicable.
- (3) Remove the control panels attached with dzus ([AMM TASK 20-13-10-000-801-A/400](#)).
- (4) Remove the glareshield coverage ([AMM TASK 25-12-07-000-801-A/400](#)).



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- (5) Remove the electrical connectors from the items of equipment to be removed together with the panel.
- (6) Identify and remove the electrical wiring from the switches, controls, and lights.
- (7) Identify and remove the clamps that attach harnesses or wires to the glareshield panel.

J. Removal (Figure 401)

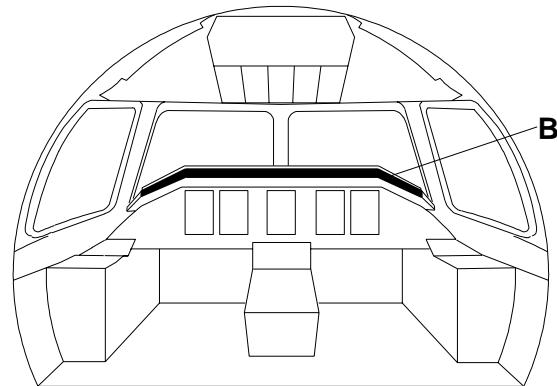
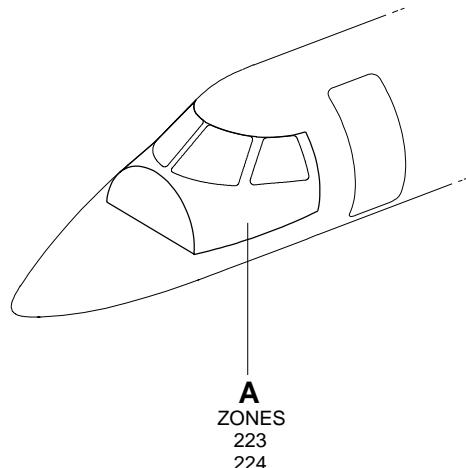
SUBTASK 020-002-A

- (1) Release the ten bolts (8).
- (2) Remove the two bolts (3) and washers (2).
- (3) Remove the two nuts (7), washers (5) and (6), and bolts (4).
- (4) Remove the glareshield panel (1).

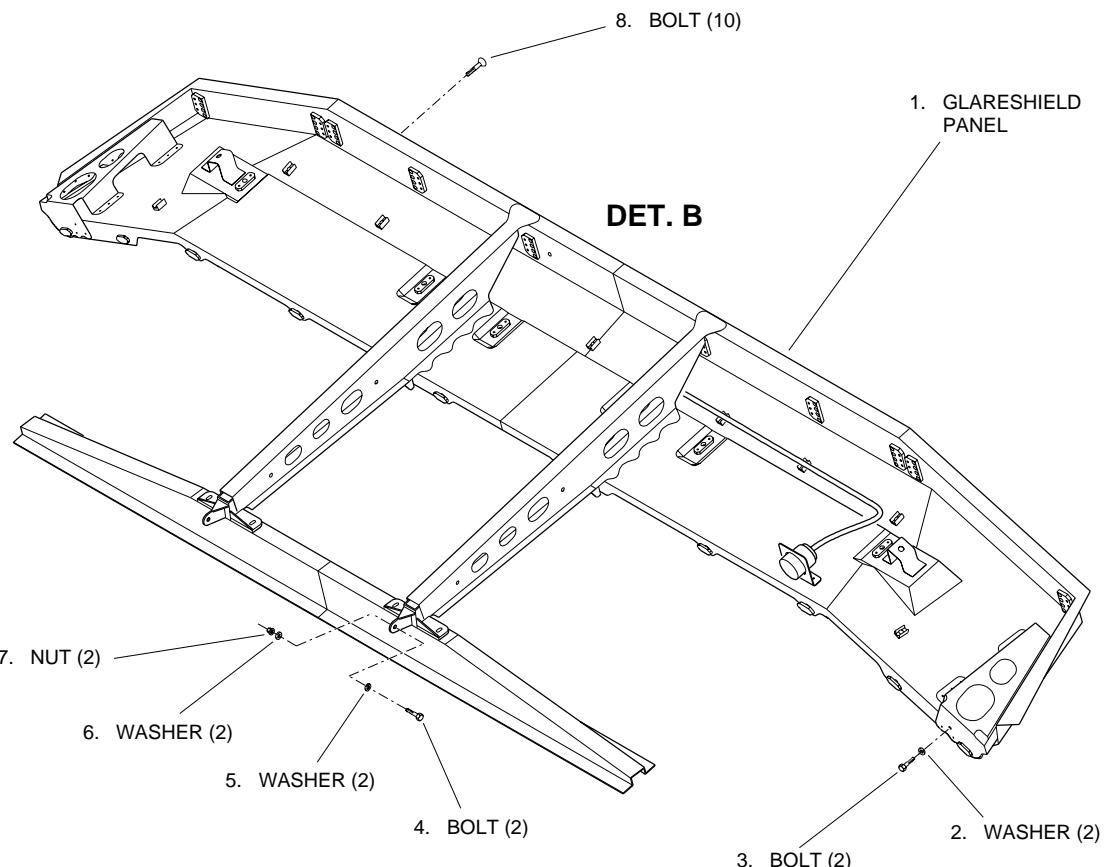
EFFECTIVITY: ALL

Glareshield Panel - Removal/Installation

Figure 401



DET. A



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TASK 31-12-01-400-801-A
EFFECTIVITY: ALL
3. GLARESHIELD PANEL - INSTALLATION
A. General

(1) This procedure gives the instructions to install the glareshield panel.

B. References

<i>REFERENCE</i>	<i>DESIGNATION</i>
AMM MPP 20-30-05/200	- MAINTENANCE PRACTICES
AMM TASK 20-13-10-400-801-A/400	CONTROL PANELS - INSTALLATION (TYPICAL)
AMM TASK 25-12-07-400-801-A/400	GLARESHIELD COVERAGE - INSTALLATION
AMM TASK 31-11-01-400-801-A/400	MAIN INSTRUMENT PANEL - INSTALLATION
AMM TASK 31-11-01-400-802-A/400	MAIN INSTRUMENT PANEL - INSTALLATION

C. Zones and Accesses

<i>ZONE</i>	<i>PANEL/DOOR</i>	<i>LOCATION</i>
223	223AZ	Glareshield panel

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

<i>ITEM</i>	<i>DESCRIPTION</i>	<i>PURPOSE</i>	<i>QTY</i>
400-grit	Sandpaper	To remove Alodine residues	AR
Commercially available	Clean dry cloth	To clean surfaces	AR
Commercially available	Soft bristled brush	To apply Alodine 1200S	1

F. Consumable Materials

<i>SPECIFICATION (BRAND)</i>	<i>DESCRIPTION</i>	<i>QTY</i>
ASTM-D740	Methyl Ethyl Ketone (MEK)	AR
MIL-C-5541	Alodine 1200S	AR
MEP 10-057	Fluid-Resistant Nylon NYCOTE 7-11-DARK BLUE Varnish	AR

G. Expandable Parts

Not Applicable



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H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	In the cockpit

I. Installation (Figure 401)

SUBTASK 420-002-A

- (1) Clean the aircraft areas where the two bolts (3), two washers (2), two bolts (4), washers (5) and (6) and two nuts (7) are to be installed, as follows:

- (a) With a clean cloth soaked in Methyl Ethyl Ketone (MEK), clean aircraft areas where the glareshield panel will be installed. Before MEK evaporates, wipe those areas with a clean, dry cloth.
 - (b) With the 400-grit sandpaper, remove the old Alodine from those areas, then repeat step (a).

NOTE: Do not touch the clean surfaces.

- (c) With a soft bristle brush, apply Alodine 1200S solution to the aircraft structure where the glareshield panel will be installed, leaving surfaces wet for two to three minutes. The surfaces will turn yellowish.

NOTE: The Alodine 1200S solution has a pot life of 24 hours. Use a new Alodine solution if it was not prepared on the last 24 hours.

- (d) With a clean cloth soaked in water, wipe the alodized area at least three times, taking care so that Alodine film is not damaged.

- (e) Allow surfaces to air-dry.

- (f) With a clean cloth soaked in Methyl Ethyl Ketone (MEK), clean the surfaces of the glareshield panel that will be in contact with the bolts, washers and nuts. Before MEK evaporates, wipe the terminals with a clean, dry cloth.

NOTE: Do not touch the clean surfaces.

- (2) Install the glareshield panel (1).

- (3) Install and tighten the two bolts (4), washers (5) and (6), and nuts (7).

- (4) Install and tighten the two washers (2), and bolts (3).

- (5) Apply a thin coat of Fluid-Resistant Nylon NYCOTE 7-11-DARK BLUE Varnish on the bonding areas.

NOTE: For more information about the varnish, refer to ([AMM MPP 20-30-05/200](#)).

- (6) Install and tighten the ten bolts (8).



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J. Follow-on

SUBTASK 842-002-A

- (1) Attach the harnesses to the glareshield panel, with the clamps that were removed from the panel on the removal procedure.
- (2) Install the electrical wiring to the switches, controls, and lights.
- (3) Install the electrical connectors to the items of equipment removed with the panel.
- (4) Install the glareshield coverage ([AMM TASK 25-12-07-400-801-A/400](#)).
- (5) Install the control panels attached with dzus ([AMM TASK 20-13-10-400-801-A/400](#)).
- (6) Install the main instrument panel ([AMM TASK 31-11-01-400-801-A/400](#)) or ([AMM TASK 31-11-01-400-802-A/400](#)), as applicable.
- (7) Do the test of the involved equipment.

