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MAINTENANCE MANUAL

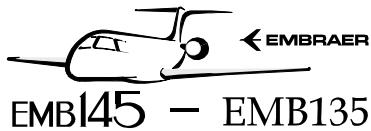
WINDSHIELD CENTER POST - REMOVAL/INSTALLATION

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to remove and install the Windshield Center Post.
- 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
53-12-01-000-801-A	WINDSHIELD CENTER POST - REMOVAL	ALL
53-12-01-400-801-A	WINDSHIELD CENTER POST - INSTALLA- TION	ALL



EMB145 – EMB135

AIRCRAFT  
MAINTENANCE MANUAL

TASK 53-12-01-000-801-A

EFFECTIVITY: ALL

2. WINDSHIELD CENTER POST - REMOVAL

A. General

(1) This procedure gives the instructions to remove the Windshield Center Post.

B. References

REFERENCE	DESIGNATION
AMM TASK 34-25-01-000-801-A/400	STANDBY MAGNETIC COMPASS - REMOVAL
AMM TASK 56-10-01-000-801-A/400	COCKPIT WINDSHIELD - REMOVAL
AMM TASK 56-10-01-000-802-A/400	COCKPIT WINDSHIELD - REMOVAL

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
223		Cockpit partition LH
224		Cockpit partition RH

D. Tools and Equipment

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Workstand	To get access to the work area	

E. Auxiliary Items

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Protective Gloves	For protection of technician's hands	1
Commercially available	Safety Goggles	For protection of technician's eyes	1

F. Consumable Materials

Not Applicable

G. Expandable Parts

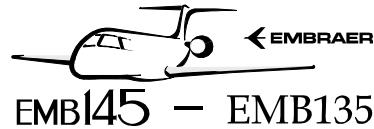
Not Applicable

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	In the forward fuselage

I. Preparation

SUBTASK 841-002-A



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AIRCRAFT  
MAINTENANCE MANUAL

- (1) Remove the standby magnetic compass ([AMM TASK 34-25-01-000-801-A/400](#)).
- (2) Remove the cockpit windshield ([AMM TASK 56-10-01-000-801-A/400](#) or [AMM TASK 56-10-01-000-802-A/400](#), as applicable).

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

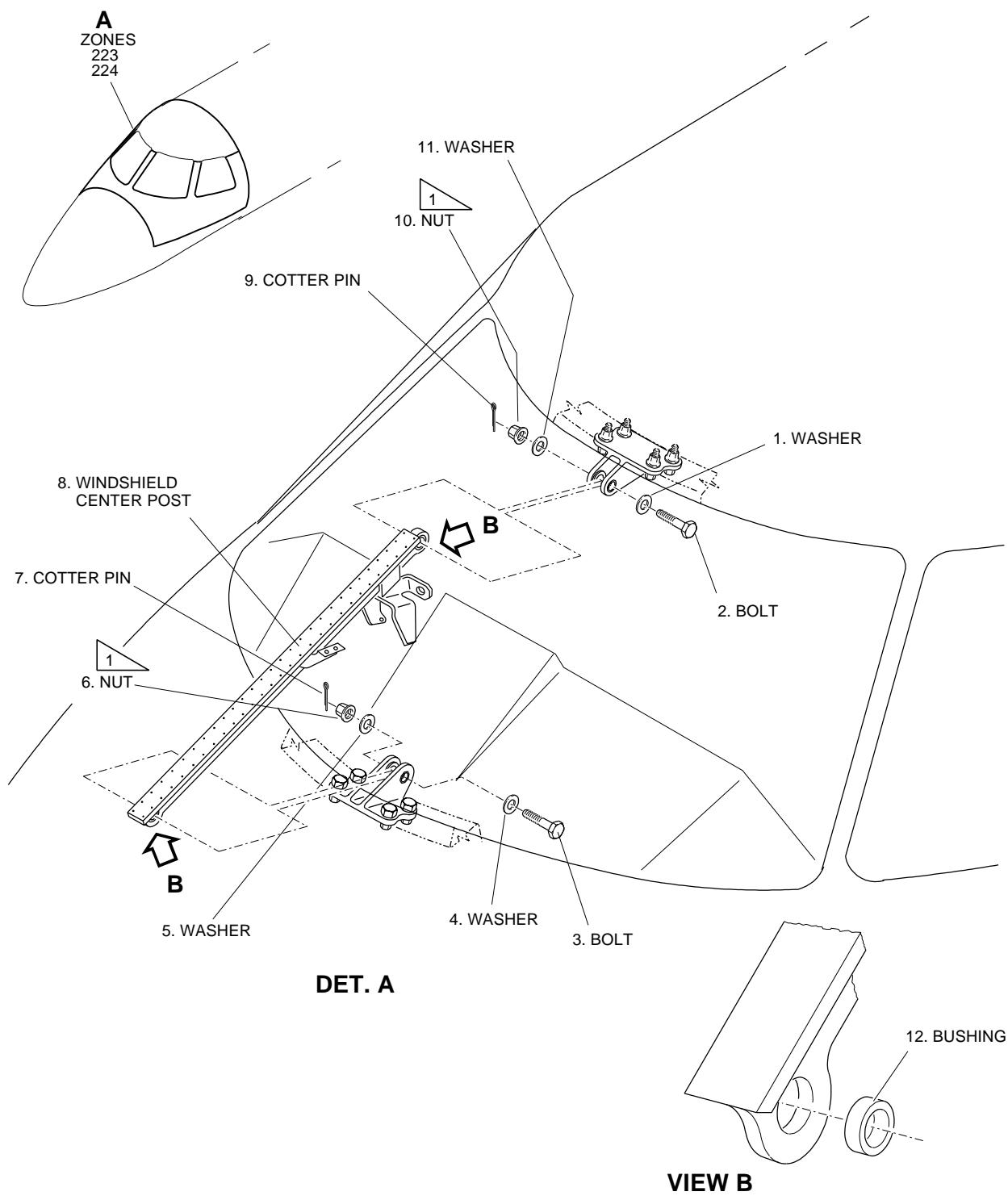
SUBTASK 020-002-A

- (1) Remove the cotter pin (9), nut (10), washer (11), bolt (2), and washer (1).
- (2) Remove the cotter pin (7), nut (6), washer (5), bolt (3), and washer (4).
- (3) Remove the windshield center post (8).
- (4) Remove the bushing (12), if necessary.

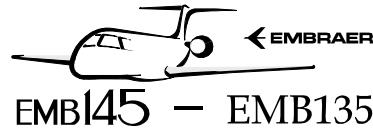
**EFFECTIVITY: ALL**

Windshield Center Post - Removal/Installation

Figure 401



 TORQUE: 11.3 – 13.6 N.m (100 – 120 lb.in) PLUS DRAG TORQUE: 1.6 – 11.3 N.m (14 – 100 lb.in). **EM145AMM530498A.DGN**



EMB145 - EMB135

AIRCRAFT  
MAINTENANCE MANUAL

TASK 53-12-01-400-801-A

EFFECTIVITY: ALL

3. WINDSHIELD CENTER POST - INSTALLATION

## A. General

(1) This procedure gives the instructions to install the Windshield Center Post.

## B. References

REFERENCE	DESIGNATION
AMM TASK 34-25-01-400-801-A/400	STANDBY MAGNETIC COMPASS - INSTALLATION
AMM TASK 56-10-01-400-801-A/400	COCKPIT WINDSHIELD - INSTALLATION
AMM TASK 56-10-01-400-802-A/400	COCKPIT WINDSHIELD - INSTALLATION
IPC 53-12-00	FORWARD II

## C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
223		Cockpit partition LH
224		Cockpit partition RH

## D. Tools and Equipment

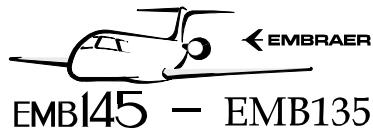
ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Workstand	To get access to the work area	
Commercially available	Torque wrench	To tighten the bolts	

## E. Auxiliary Items

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Protective Gloves	For protection of technician's hands	1
Commercially available	Safety Goggles	For protection of technician's eyes	1

## F. Consumable Materials

SPECIFICATION (BRAND)	DESCRIPTION	QTY
ASTM-D-740	Methyl Ethyl Ketone - MEK	AR
MIL-PRF-81352	Acrylic Nitrocellulose Gloss Lacquer	AR



EMB145 - EMB135

AIRCRAFT  
MAINTENANCE MANUAL

## G. Expendable Parts

ITEM	IPC REFERENCE (VENDOR REFERENCE)	QTY
Forward II	IPC 53-12-00	AR

## H. Persons Recommended

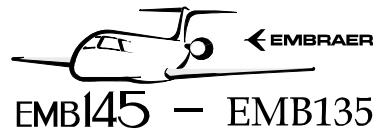
QTY	FUNCTION	PLACE
1	Does the task	In the forward fuselage

## I. Installation (Figure 401)

## SUBTASK 420-002-A

**WARNING: BE CAREFUL WHEN YOU USE SOLVENTS BECAUSE THEY ARE A HEALTH AND FIRE HAZARD. USE SAFETY GOGGLES AND PROTECTIVE CLOTHING WHEN YOU HANDLE THEM. DO NOT BREATHE THEIR GASES AND WORK IN A WELL VENTILATED AREA.**

- (1) With a cloth soaked in MEK, clean the parts.
- (2) Install the bushing (12), if necessary.
- (3) Position the windshield center post (8).
- (4) Install the washer (1), bolt (2), and washer (11).
  - (a) Turn the nut (10) and measure the drag torque with a torque wrench.
  - (b) Make sure that the drag torque measured is between 1.6 - 11.3 N.m (14 - 100 lb.in).
  - (c) Add the measured drag torque value to the standard torque of 11.3 - 13.6 N.m (100 - 120 lb.in) to get the final torque.
  - (d) Use a torque wrench to apply the final torque to the nut (10).
- (5) Install the washer (4), bolt (3), and washer (5).
  - (a) Turn the nut (6) and measure the drag torque with a torque wrench.
  - (b) Make sure that the drag torque measured is between 1.6 - 11.3 N.m (14 - 100 lb.in).
  - (c) Add the measured drag torque value to the standard torque of 11.3 - 13.6 N.m (100 - 120 lb.in) to get the final torque.
  - (d) Use a torque wrench to apply the final torque to the nut (6).
- (6) Install the cotter pins (9) and (7).
- (7) Mark the nuts (10) and (6) in their tightened position with red nitrocellulose acrylic lacquer paint.



AIRCRAFT  
MAINTENANCE MANUAL

J. Follow-on

SUBTASK 842-002-A

- (1) Install the cockpit windshield ( [AMM TASK 56-10-01-400-801-A/400](#) or [AMM TASK 56-10-01-400-802-A/400](#), as applicable).
- (2) Install the standby magnetic compass ( [AMM TASK 34-25-01-400-801-A/400](#)).
- (3) Put the aircraft back to its initial condition.

