



CONTROL YOKE - REPAIR

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to repair cracks in the control yoke.
- B. You can repair a cracked control yoke if the exposure of fibers only started. This is its maximum permitted damage.
- 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
27-11-08-300-801-A	CONTROL YOKE - REPAIR	ALL



EMB145 - EMB135

AIRCRAFT
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TASK 27-11-08-300-801-A

EFFECTIVITY: ALL

2. CONTROL YOKE - REPAIR

A. General

(1) This task gives the procedures to repair a cracked control yoke.

B. References

REFERENCE	DESIGNATION
AMM TASK 27-11-09-000-801-A/400	KNURLED ANTI-SLIP RUBBER STRIP - REMOVAL
AMM TASK 27-11-09-400-801-A/400	KNURLED ANTI-SLIP RUBBER STRIP - INSTALLATION
CPM 51-21-04	-
CPM 51-21-05	-
SRM 51-71-05	-
SRM 51-71-11	-

C. Zones and Accesses

Not Applicable

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Acrylic Spatula	To clean the surface and remove the sealant	AR
Commercially available	Sandpaper, 320-400 grit	To remove the paint	AR

F. Consumable Materials

SPECIFICATION (BRAND)	DESCRIPTION	QTY
MEP 22-011	Resin Epoxy 50A1/ 9816	AR
ASTM-D-740	Methyl Ethyl Ketone (MEK)	AR
MIL C-9084	Type 7781 - Fiberglass Fabric	AR
MIL-S-22473, Grade N	Primer	AR

G. Expandable Parts

Not Applicable



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H. Persons Recommended

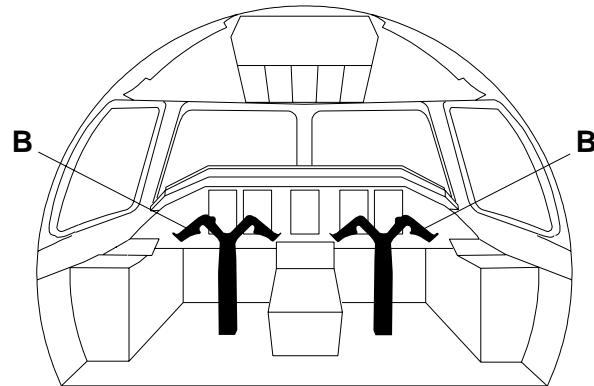
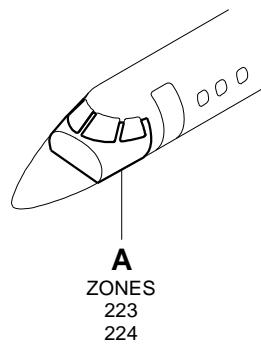
QTY	FUNCTION	PLACE
1	Does the task	Cockpit

I. Repair ([Figure 801](#))

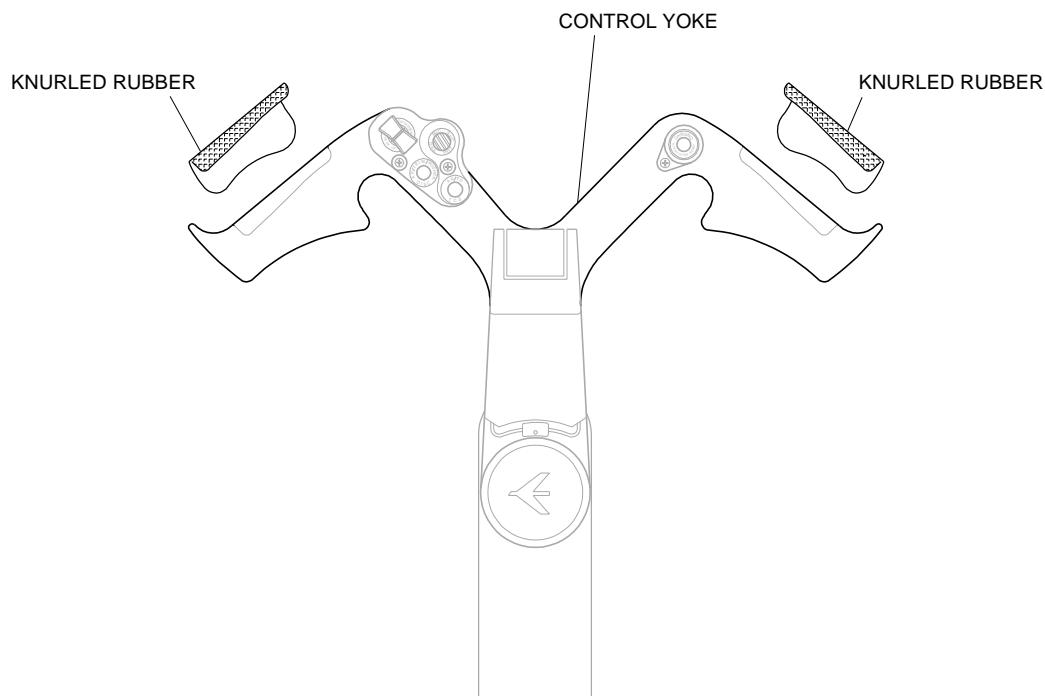
SUBTASK 340-002-A

- (1) Clean the repair area to remove unwanted residues (SRM 51-71-05).
- (2) Remove the knurled rubber from the grip. Refer to [AMM TASK 27-11-09-000-801-A/400](#).
- (3) Grind away the damaged resin compound and remove the damage fully.
NOTE: Grind down only until the fiber exposure starts.
- (4) Apply Epocast 50A1/9816 resin with 15 to 30% of chopped fiberglass on the blended-out area.
- (5) Let the compound cure fully (SRM 51-71-11).
- (6) Grind the reworked area to a smooth finish, and make the original shape again.
- (7) Apply epoxy primer to the repair parts and reworked areas. Refer to CPM 51-21-05.
- (8) Paint the reworked area and the reworked parts. Refer to CPM 51-21-04.
- (9) Install the knurled rubber or replace it with a new one. Refer to [AMM TASK 27-11-09-400-801-A/400](#).

EFFECTIVITY: ALL
Control Yoke - Repair
Figure 801



DET. A



DET. B
(TYPICAL)

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