

HYDRAULIC FUSE - REMOVAL/INSTALLATION

EFFECTIVITY: ALL

1. General

- A. This section gives the procedure to remove and install the hydraulic fuses of the brake system.
- B. This procedure is applicable to the four hydraulic fuses (two for the outboard brakes and two for the inboard brakes).
- C. The hydraulic fuse of the LH outboard brake and the hydraulic fuse of the LH inboard brake are installed in the LH wing.
- D. The hydraulic fuse of the RH outboard brake and the hydraulic fuse of the RH inboard brake are installed in the RH wing.
- E. 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
32-41-07-000-801-A	HYDRAULIC FUSE - REMOVAL	ALL
32-41-07-400-801-A	HYDRAULIC FUSE - INSTALLATION	ALL



AIRCRAFT
MAINTENANCE MANUAL

TASK 32-41-07-000-801-A

EFFECTIVITY: ALL

2. HYDRAULIC FUSE - REMOVAL

A. General

(1) This procedure gives the procedures to remove the hydraulic fuse.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
AMM MPP 06-44-00/100	- COMPONENT LOCATION
AMM TASK 20-40-01-860-801-A/200	ENERGIZATION OF THE AIRCRAFT WITH AN EXTERNAL POWER SOURCE
AMM TASK 29-10-00-860-802-A/200	HYDRAULIC SYSTEM - PRESSURIZATION WITH EMDP
AMM TASK 32-44-02-910-801-A/200	HYDRAULIC ACCUMULATOR EMERGENCY/PARKING BRAKE - RELEASE

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
114	114CR	Nose hydraulic compartment - RH
532	532AB	LH Wing
632	632AB	RH Wing

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Rubber Gloves, Phosphate Ester-Base, Fluid-Resistant	Protection for the Hands	1
Commercially available	Rubber Goggles, Phosphate Ester-Base, Fluid-Resistant	Protection for the Eyes	1

F. Consumable Materials

Not Applicable

G. Expandable Parts

Not Applicable

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	LH or RH wing



EMB145 – EMB135

AIRCRAFT
MAINTENANCE MANUAL

I. Preparation

SUBTASK 841-002-A

- (1) Energize the aircraft with the external AC power supply ([AMM TASK 20-40-01-860-801-A/200](#)).
- (2) On the Circuit Breaker Panel, open the ELEC PUMP 1 (to outbd) or ELEC PUMP 2 (to inbd) circuit breakers and attach a DO-NOT-CLOSE tag to them.
- (3) Open access door 114CR (AMM MPP 06-41-01/100).
- (4) Depressurize hydraulic system 1 and hydraulic system 2 ([AMM TASK 29-10-00-860-802-A/200](#)).
- (5) Control the rudder to the left and to the right, until the pressure of the hydraulic system shows zero PSI on the EICAS.
- (6) Fully release the pressure from the fluid chamber of the emergency/parking brake system hydraulic accumulator ([AMM TASK 32-44-02-910-801-A/200](#)).
- (7) Remove access panel 532AB (LH wing) or panel 632AB (RH wing) ([AMM MPP 06-44-00/100](#)).
- (8) Identify the hydraulic fuse to be removed.

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

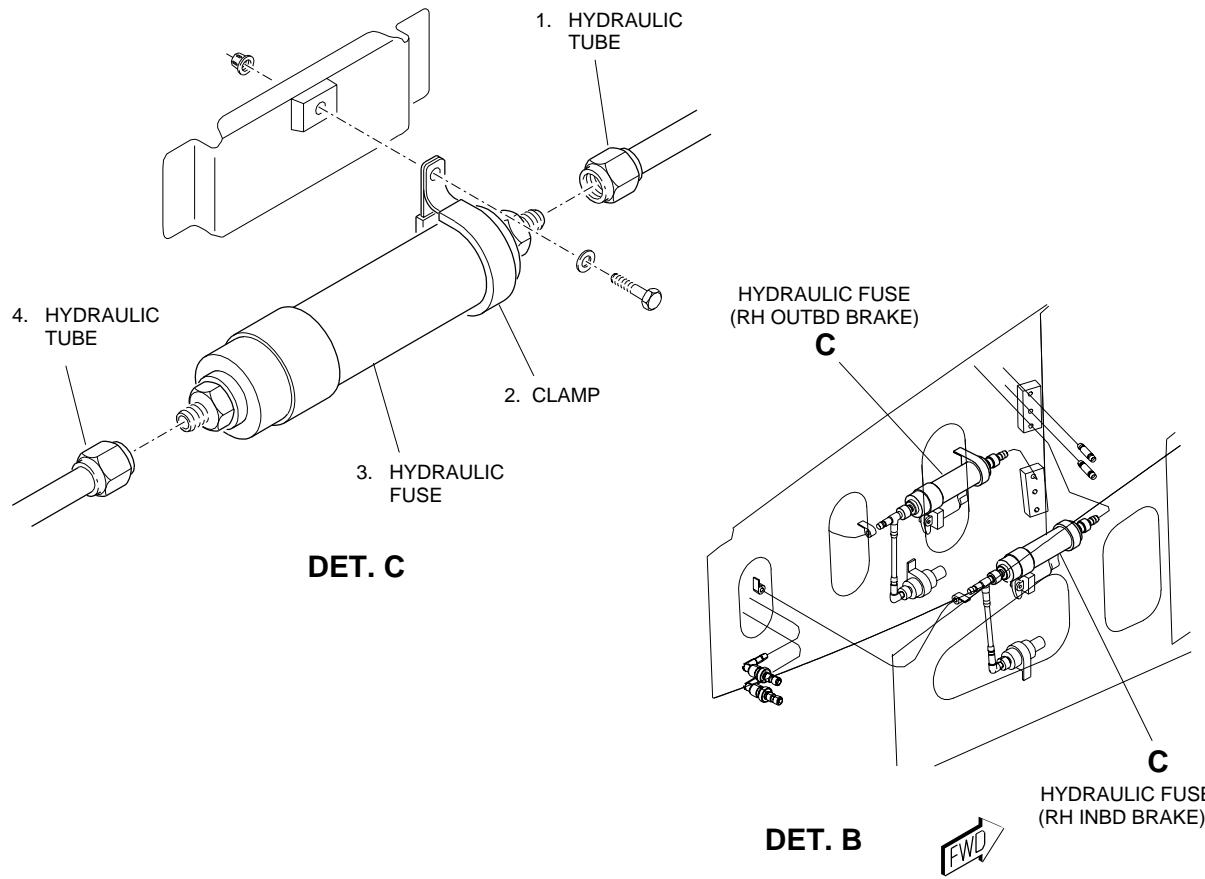
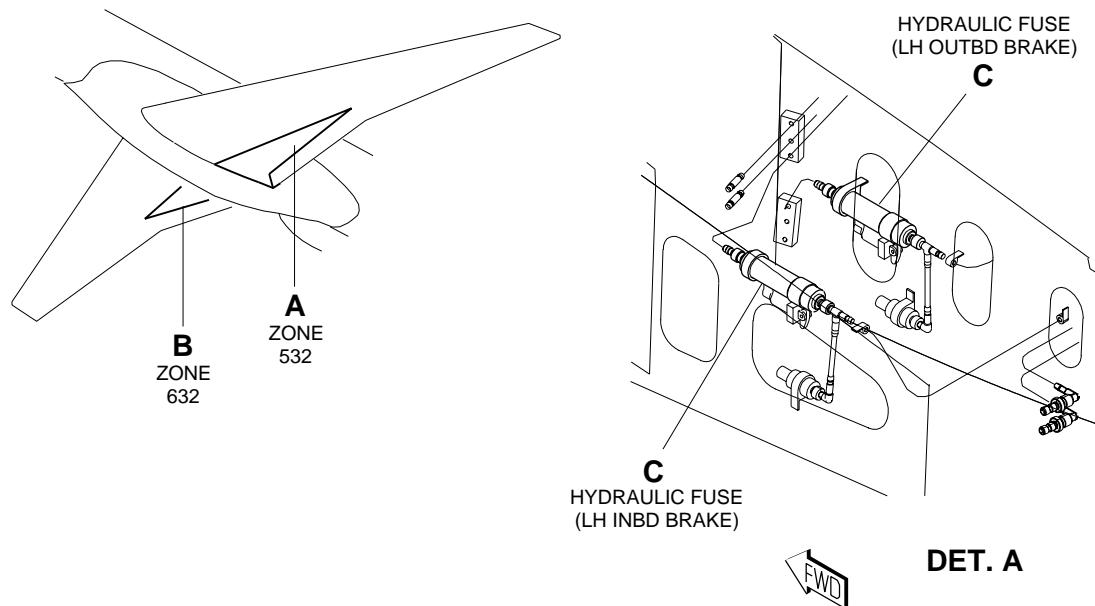
SUBTASK 020-002-A

- (1) Disconnect the hydraulic tubes (1) and (4).
- (2) Release the clamp (2).
- (3) Remove the hydraulic fuse (3).

EFFECTIVITY: ALL

Hydraulic Fuse - Removal/Installation

Figure 401



145AMM320129.MCE B



EMB145 - EMB135

AIRCRAFT
MAINTENANCE MANUAL

TASK 32-41-07-400-801-A

EFFECTIVITY: ALL

3. HYDRAULIC FUSE - INSTALLATION

A. General

(1) This task gives the procedures to install the hydraulic fuse.

B. References

REFERENCE	DESIGNATION
AMM 06-44-01/101	-
AMM MPP 06-41-01/100	-
AMM TASK 20-40-01-860-801-A/200	ENERGIZATION OF THE AIRCRAFT WITH AN EXTERNAL POWER SOURCE
AMM TASK 29-10-00-860-802-A/200	HYDRAULIC SYSTEM - PRESSURIZATION WITH EMDP
AMM TASK 32-40-00-800-801-A/200	NORMAL BRAKE AND EMERGENCY PARKING BRAKE SYSTEMS - BLEEDING
AMM TASK 32-41-00-700-801-A/500	MAIN BRAKE SYSTEM - FUNCTIONAL CHECK

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
114	114CR	Nose hydraulic compartment - RH
532	532AB	LH Wing
632	632AB	RH Wing

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Rubber Gloves, Phosphate Ester-Base, Fluid-Resistant	Protection for the Hands	1
Commercially available	Rubber Goggles, Phosphate Ester-Base, Fluid-Resistant	Protection for the Eyes	1

F. Consumable Materials

Not Applicable

G. Expandable Parts

Not Applicable

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	LH or RH wing



AIRCRAFT MAINTENANCE MANUAL

I. Installation (Figure 401)

SUBTASK 420-002-A

- (1) Put the hydraulic fuse (3) in its installation position in the clamp (2).
- (2) Connect the hydraulic tubes (1) and (4).
- (3) Tighten the clamp (2).

J. Follow-on

SUBTASK 842-002-A

- (1) On the Circuit Breaker Panel, close the ELEC PUMP 1 (to outbd) or ELEC PUMP 2 (to inbd) circuit breakers and remove the DO-NOT-CLOSE tags from them.
- (2) Pressurize the hydraulic system 1 and hydraulic system 2 ([AMM TASK 29-10-00-860-802-A/200](#)).
- (3) Do a check on the hydraulic connections of the hydraulic fuse for leaks.
- (4) Bleed the hydraulic lines ([AMM TASK 32-40-00-800-801-A/200](#)).
- (5) Do the functional check of the Main Brake System ([AMM TASK 32-41-00-700-801-A/500](#)).
- (6) Install access panel 532AB (LH wing) or the panel 632AB (RH wing) (AMM 06-44-01/101).
- (7) Close the access door 114CR (AMM MPP 06-41-01/100).
- (8) De-energize the aircraft ([AMM TASK 20-40-01-860-801-A/200](#)).