



EMB145 - EMB135

AIRCRAFT  
MAINTENANCE MANUAL

EJECTOR PUMP - REMOVAL/INSTALLATION

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to remove/install the ejector pump.
- 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
28-21-02-000-801-A	EJECTOR PUMP - REMOVAL	ALL
28-21-02-400-801-A	EJECTOR PUMP - INSTALLATION	ALL



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TASK 28-21-02-000-801-A

EFFECTIVITY: ALL

2. EJECTOR PUMP - REMOVAL

A. General

- (1) This task is applicable to the ejector pump installed in the RH and LH fuel tanks.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-44-00/100	- COMPONENT LOCATION
AMM MPP 28-00-00/200	- MAINTENANCE PRACTICES
AMM TASK 12-11-01-600-802-A/300	FUEL-TANK PRESSURE DEFUELING - SERVICING
AMM TASK 28-11-01-000-801-A/400	FUEL-TANK ACCESS PANELS - REMOVAL
AMM TASK 28-11-01-000-802-A/400	FUEL-TANK ACCESS PANELS - REMOVAL

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
631	631CB	RH underwing area
531	531CB	LH underwing area

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	Fuel tank

I. Preparation

SUBTASK 841-002-A

- (1) Make sure that the aircraft is safe for maintenance.
- (2) Defuel the applicable fuel tank ( [AMM TASK 12-11-01-600-802-A/300](#)).
- (3) Remove access panel 531CB or 631CB as applicable. Refer to [AMM MPP 06-44-00/100](#) and [AMM TASK 28-11-01-000-801-A/400](#) or [AMM TASK 28-11-01-000-802-A/400](#) as applicable.



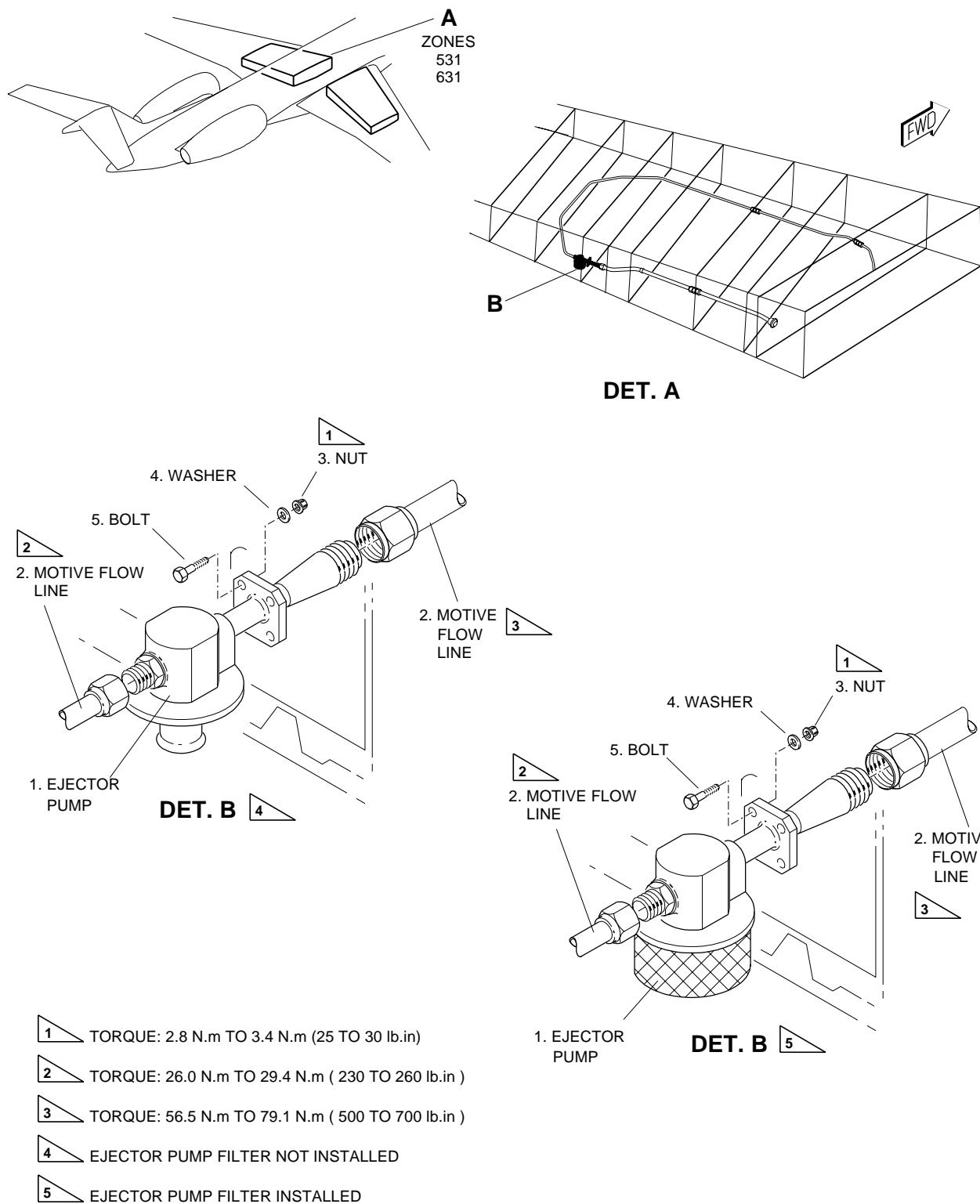
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J. Removal ([Figure 401](#))

SUBTASK 020-002-A

**WARNING: BEFORE YOU DO THE TASK, OBEY THE SAFETY PRECAUTIONS GIVEN IN AMM MPP 28-00-00/200 TO PREVENT INJURY TO PERSONS AND DAMAGE TO THE MATERIAL.**

- (1) Disconnect the motive flow lines (2) from the ejector pump (1).
- (2) Remove the bolts (5), washers (4), and nuts (3) which attach the ejector pump to the fuel tank support, and then remove the ejector pump.
- (3) Install protection caps at the disconnected points.

**EFFECTIVITY: ALL**
**Ejector Pump - Removal/Installation**
**Figure 401**




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TASK 28-21-02-400-801-A

EFFECTIVITY: ALL

3. EJECTOR PUMP - INSTALLATION

## A. General

(1) This task is applicable to the ejector pump installed in the RH and LH fuel tanks.

## B. References

REFERENCE	DESIGNATION
AMM MPP 06-44-00/100	- COMPONENT LOCATION
AMM MPP 28-00-00/200	- MAINTENANCE PRACTICES
AMM TASK 12-11-01-600-801-A/300	FUEL-TANK PRESSURE REFUELING - SERVICING
AMM TASK 28-11-01-400-801-A/400	FUEL-TANK ACCESS PANELS - INSTALLATION
AMM TASK 28-11-01-400-802-A/400	FUEL-TANK ACCESS PANELS - INSTALLATION

## C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
631	631CB	RH underwing area
531	531CB	LH underwing area

## D. Tools and Equipment

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Torque Wrench - (Torque Range - Ref. Figure 401)	To apply controlled torque	

## 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	Fuel tank

## I. Installation (Figure 401)

SUBTASK 420-002-A

**WARNING: BEFORE YOU DO THE TASK, OBEY THE SAFETY PRECAUTIONS GIVEN IN AMM MPP 28-00-00/200 TO PREVENT INJURY TO PERSONS AND DAMAGE TO THE MATERIAL.**



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- (1) Remove the protection caps from the disconnected points, if applicable.

**CAUTION:** MAKE SURE THAT THE ATTACHING BOLTS, NUTS, WASHERS, MOTIVE FLOW LINE FITTINGS AND FAYING SURFACES BETWEEN THE EJECTOR PUMP AND THE FUEL TANK SUPPORT ARE CLEAN TO PREVENT AN UNSATISFACTORY ELECTRICAL BONDING.

- (2) Put the ejector pump (1) in its installation position, on the fuel tank support.
- (3) Put the bolts (5), washers (4), and nuts (3) in their installation position. Tighten the bolts.
- (4) Connect the motive flow lines (2).

J. Follow-on

SUBTASK 842-002-A

- (1) Install access panel 531CB or 631CB as applicable. Refer to [AMM MPP 06-44-00/100](#) and [AMM TASK 28-11-01-400-801-A/400](#) or [AMM TASK 28-11-01-400-802-A/400](#) as applicable.
- (2) Refuel the aircraft ([AMM TASK 12-11-01-600-801-A/300](#)) as applicable.
- (3) Examine for fuel leakage the underwing access panels which were removed.