



# AIRCRAFT MAINTENANCE MANUAL

## FUEL RESTRICTOR - REMOVAL/INSTALLATION

EFFECTIVITY: ALL

### 1. General

- A. This section gives the procedures to remove/install the fuel restrictor of the fueling/defueling system.
- 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
28-23-06-000-801-A	FUEL RESTRICTOR - REMOVAL	ACFT WITH WET WINGSTUB
28-23-06-400-801-A	FUEL RESTRICTOR - INSTALLATION	ACFT WITH WET WINGSTUB
28-23-06-000-802-A	FUEL RESTRICTOR - REMOVAL	ACFT WITH DRY WINGSTUB
28-23-06-400-802-A	FUEL RESTRICTOR - INSTALLATION	ACFT WITH DRY WINGSTUB



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TASK 28-23-06-000-801-A

EFFECTIVITY: ACFT WITH WET WINGSTUB

2. FUEL RESTRICTOR - REMOVAL

A. General

- (1) Obey the instructions below to remove the fuel restrictor.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
AMM MPP 28-00-00/200	- MAINTENANCE PRACTICES

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
192	192AL	Center lower fairing
192	192BR	Center lower fairing

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Containers	To collect residual fuel from open lines	1

F. Consumable Materials

Not Applicable

G. Expandable Parts

Not Applicable

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Center lower fairing

I. Preparation

SUBTASK 841-002-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 MATERIAL.**

- (1) On the circuit breaker panel, open the circuit breakers below and attach a DO-NOT-CLOSE tag to them:
- FUEL PUMPS 1A/1B/1C.



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- FUEL PUMPS 2A/2B/2C.
- DEFUELING.
- REFUELING.

- (2) Open access panels 192AL and 192BR (AMM MPP 06-41-01/100) to get access to the fuel restrictor.

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

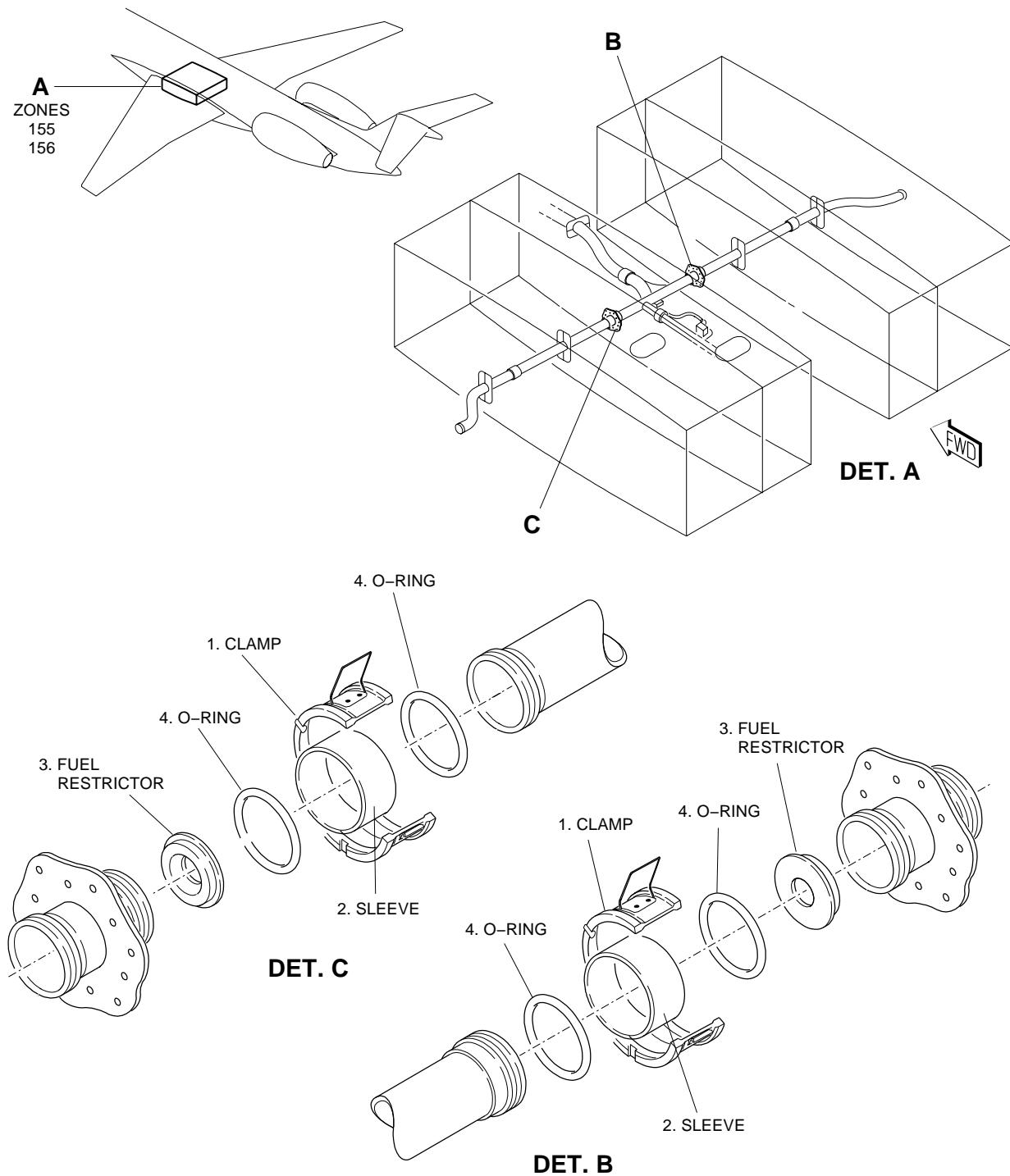
SUBTASK 020-002-A

- (1) Open and remove the clamp (1) and the sleeve (2).
- (2) Remove the fuel restrictor (3) and the O-rings (4). Discard the O-rings.
- (3) Cover all disconnected points with applicable plugs or caps to prevent contamination.

**EFFECTIVITY: ACFT WITH WET WINGSTUB**

Fuel Restrictor - Removal/Installation

Figure 401



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TASK 28-23-06-400-801-A

EFFECTIVITY: ACFT WITH WET WINGSTUB

### 3. FUEL RESTRICTOR - INSTALLATION

#### A. General

- (1) Obey the instructions below to install the fuel restrictor.

#### B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
AMM MPP 28-00-00/200	- MAINTENANCE PRACTICES
AMM TASK 28-10-00-910-801-A/200	WING-TO-WING FUEL TRANSFER
AMM TASK 28-41-00-200-801-A/600	-
IPC 28-23-00	FUELING /DEFUELING SYSTEM

#### C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
192	192AL	Center lower fairing
192	192BR	Center lower fairing

#### D. Tools and Equipment

Not Applicable

#### E. Auxiliary Items

Not Applicable

#### F. Consumable Materials

SPECIFICATION (BRAND)	DESCRIPTION	QTY
Molykote DC-33 Light	Lubricant	AR

#### G. Expendable Parts

ITEM	IPC REFERENCE (VENDOR REFERENCE)	QTY
O-ring	IPC 28-23-00	4

#### H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Center lower fairing



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I. Preparation

SUBTASK 841-003-A

- (1) On the circuit breaker panel, make sure that the circuit breakers below are open and with a DO-NOT-CLOSE tag attached to them:
  - FUEL PUMPS 1A/1B/1C.
  - FUEL PUMPS 2A/2B/2C.
  - DEFUELING.
  - REFUELING.
- (2) Remove the protection caps or plugs from the disconnected points, if applicable.

J. 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 MATERIAL.**

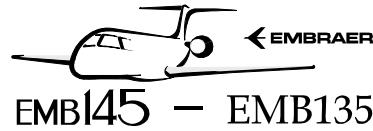
- (1) Lightly apply Molykote lubricant to the O-rings (4).
- (2) Install the O-rings (4) and the fuel restrictor (3).
- (3) Install the sleeve (2) and the clamp (1).

K. Follow-on

SUBTASK 842-002-A

- (1) On the circuit breaker panel, close the circuit breakers below and remove the DO-NOT-CLOSE tag from them:
  - FUEL PUMPS 1A/1B/1C.
  - FUEL PUMPS 2A/2B/2C.
  - DEFUELING.
  - REFUELING.
- (2) Do a wing-to-wing fuel transfer procedure ([AMM TASK 28-10-00-910-801-A/200](#)), and examine the connections for leakage. Correct as necessary.
- (3) Do an inspection on the fuel quantity indication harness (AMM TASK 28-41-00-200-801-A/600).

**NOTE:** The inspection of fuel quantity indication harness is a part of Critical Design Configuration Control Limitations (CDCCL) in the Airworthiness Limitations of the Maintenance Review Board Report (MRB).
- (4) Close access panels 192AL and 192BR (AMM MPP 06-41-01/100).



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TASK 28-23-06-000-802-A

EFFECTIVITY: ACFT WITH DRY WINGSTUB

4. FUEL RESTRICTOR - REMOVAL

A. General

- (1) Obey the instructions below to remove the fuel restrictor.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
AMM MPP 28-00-00/200	- MAINTENANCE PRACTICES

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
192	192AL	Center lower fairing
192	192BR	Center lower fairing

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Containers	To collect residual fuel from open lines	1

F. Consumable Materials

Not Applicable

G. Expandable Parts

Not Applicable

H. Persons Recommended

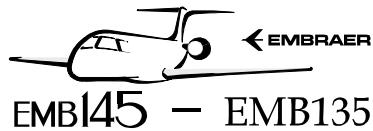
QTY	FUNCTION	PLACE
1	Does the task	Center lower fairing

I. Preparation

SUBTASK 841-004-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 MATERIAL.**

- (1) On the circuit breaker panel, open the circuit breakers below and attach a DO-NOT-CLOSE tag to them:
- FUEL PUMPS 1A/1B/1C.



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- FUEL PUMPS 2A/2B/2C.
- DEFUELING.
- REFUELING.

(2) Open access panels 192AL and 192BR (AMM MPP 06-41-01/100) to get access to the fuel restrictor.

### J. Removal (Figure 402)

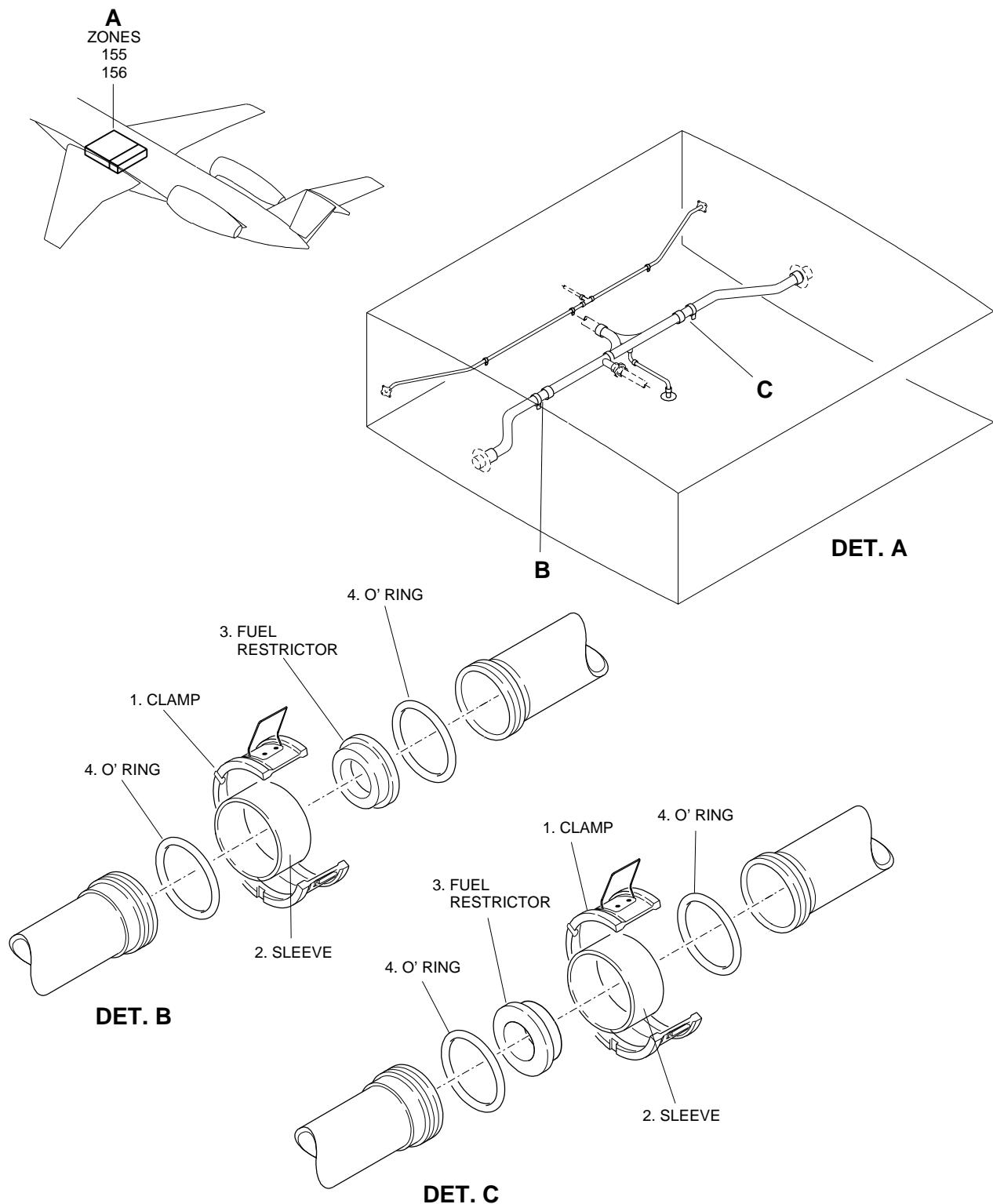
#### SUBTASK 020-003-A

- (1) Open and remove the clamp (1) and the sleeve (2).
- (2) Remove the fuel restrictor (3) and the O-rings (4). Discard the O-rings.
- (3) Cover all disconnected points with applicable plugs or caps to prevent contamination.

**EFFECTIVITY: ACFT WITH DRY WINGSTUB**

Fuel Restrictor - Removal/Installation

Figure 402



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TASK 28-23-06-400-802-A

EFFECTIVITY: ACFT WITH DRY WINGSTUB

5. FUEL RESTRICTOR - INSTALLATION

A. General

- (1) Obey the instructions below to install the fuel restrictor.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
AMM MPP 28-00-00/200	- MAINTENANCE PRACTICES
AMM TASK 28-10-00-910-801-A/200	WING-TO-WING FUEL TRANSFER
AMM TASK 28-41-00-200-801-A/600	-
IPC 28-23-00	FUELING /DEFUELING SYSTEM

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
192	192AL	Center lower fairing
192	192BR	Center lower fairing

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

Not Applicable

F. Consumable Materials

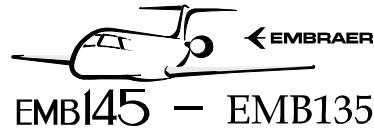
SPECIFICATION (BRAND)	DESCRIPTION	QTY
Molykote DC-33 Light	Lubricant	AR

G. Expendable Parts

ITEM	IPC REFERENCE (VENDOR REFERENCE)	QTY
O-ring	IPC 28-23-00	4

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Center lower fairing



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I. Preparation

SUBTASK 841-005-A

- (1) On the circuit breaker panel, make sure that the circuit breakers below are open and with a DO-NOT-CLOSE tag attached to them:
  - FUEL PUMPS 1A/1B/1C.
  - FUEL PUMPS 2A/2B/2C.
  - DEFUELING.
  - REFUELING.
  
- (2) Remove the protection caps or plugs from the disconnected points, if applicable.

J. Installation (Figure 402)

SUBTASK 420-003-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 MATERIAL.**

- (1) Lightly apply Molykote lubricant to the O-rings (4).
- (2) Install the O-rings (4) and the fuel restrictor (3).
- (3) Install the sleeve (2) and the clamp (1).

K. Follow-on

SUBTASK 842-003-A

- (1) On the circuit breaker panel, close the circuit breakers below and remove the DO-NOT-CLOSE tag from them:
  - FUEL PUMPS 1A/1B/1C.
  - FUEL PUMPS 2A/2B/2C.
  - DEFUELING.
  - REFUELING.
  
- (2) Do a wing-to-wing fuel transfer procedure ([AMM TASK 28-10-00-910-801-A/200](#)), and examine the connections for leakage. Correct as necessary.
  
- (3) Do an inspection on the fuel quantity indication harness (AMM TASK 28-41-00-200-801-A/600).

**NOTE:** The inspection of fuel quantity indication harness is a part of Critical Design Configuration Control Limitations (CDCCL) in the Airworthiness Limitations of the Maintenance Review Board Report (MRB).

- (4) Close access panels 192AL and 192BR (AMM MPP 06-41-01/100).

