

## 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

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	-
<a href="#">AMM MPP 28-00-00/200</a>	- 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.

- 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](#))

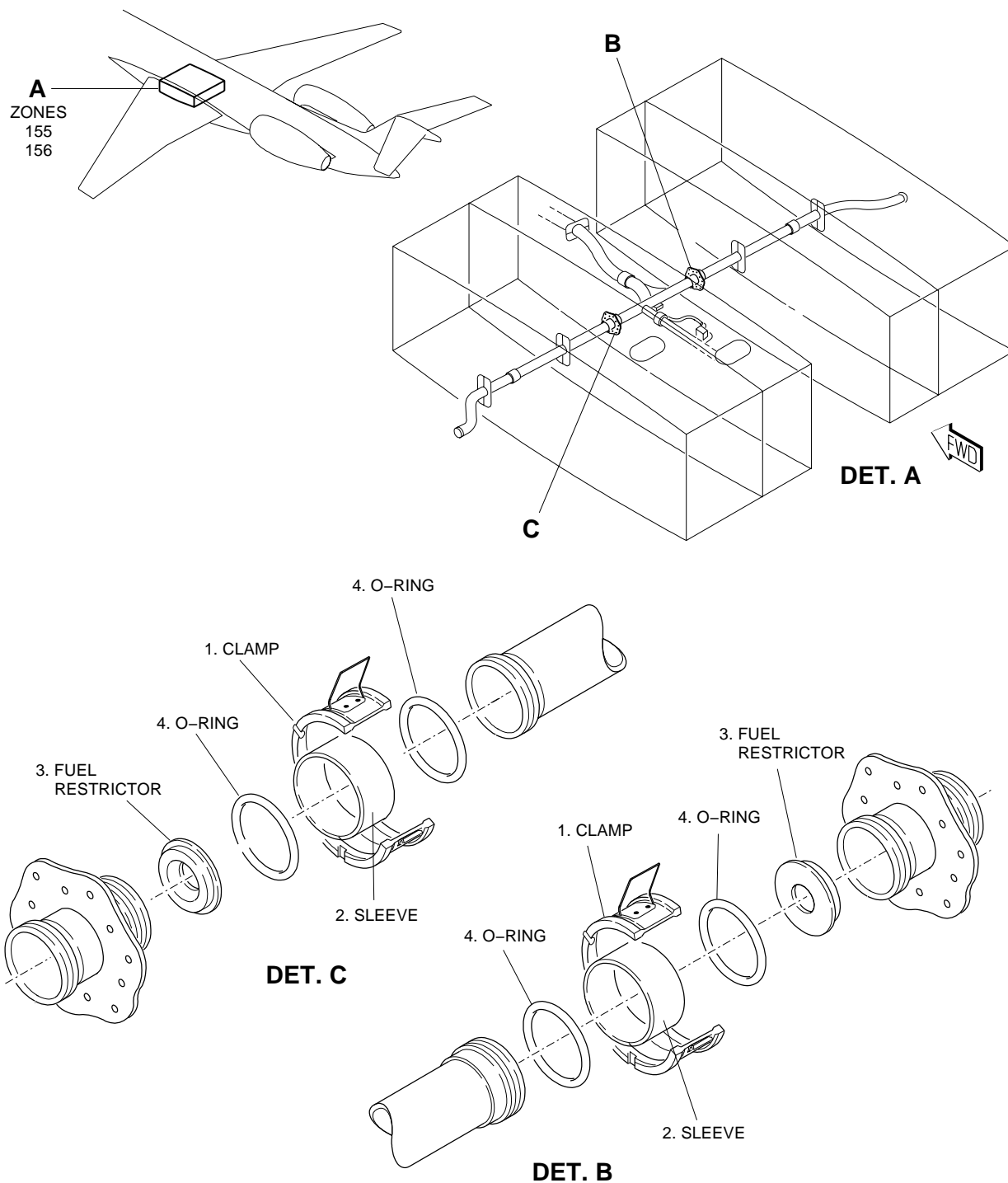
*SUBTASK 020-002-A*

- (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

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).

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	-
<a href="#">AMM MPP 28-00-00/200</a>	- 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.

- 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*

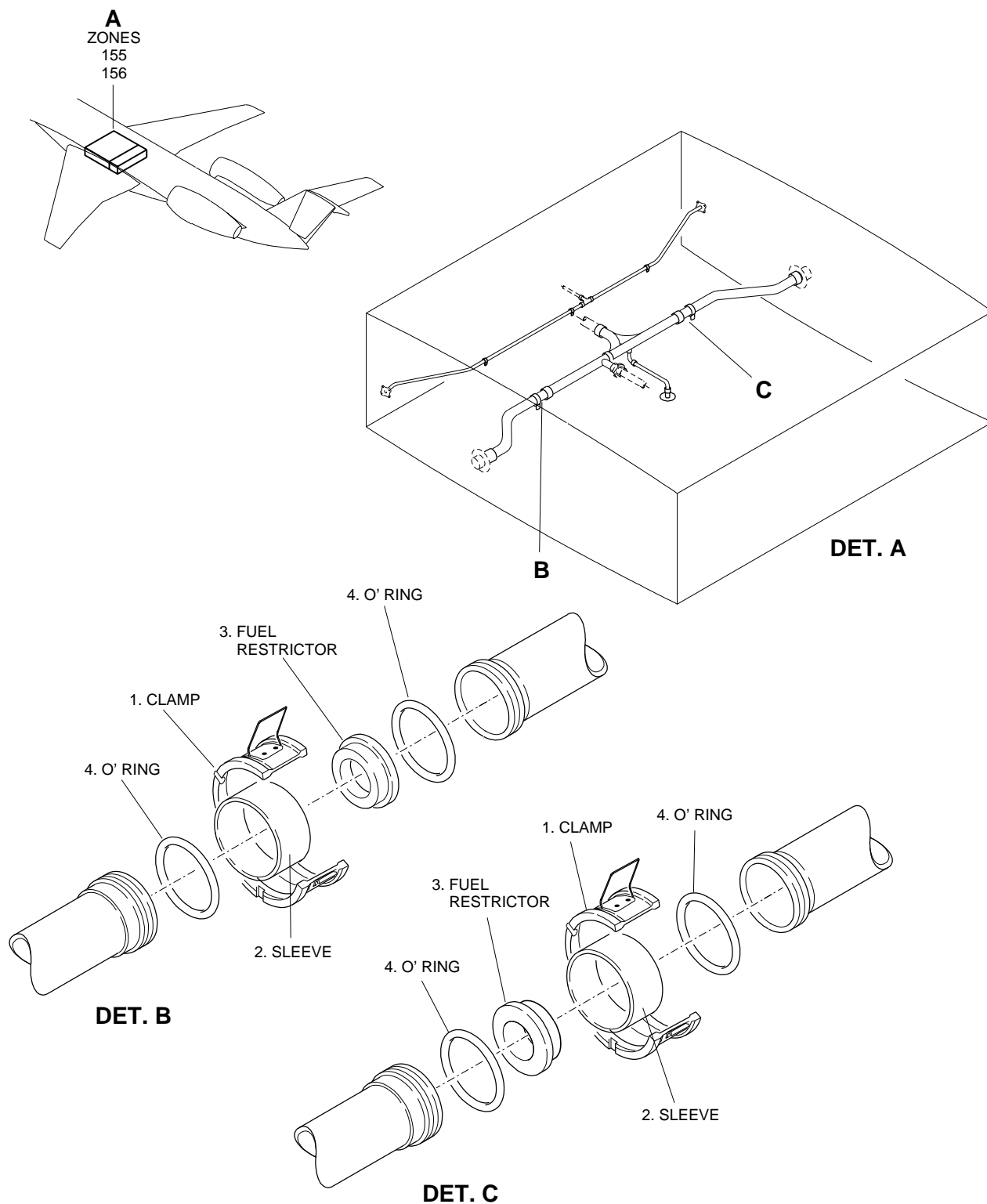
- (1) Open and remove the clamp (1) and the sleeve (2).
- (2) Remove the fuel restrictor (3) and the O-rings (4). Discard the O-rings.
- (3) Cover all disconnected points with applicable plugs or caps to prevent contamination.



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

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).

