

## ENGINE BLEED-AIR PNEUMATIC REGULATOR - REMOVAL/INSTALLATION

*EFFECTIVITY: ALL*

### 1. General

- A. This section gives the procedures to remove and install the pneumatic regulator of the engine bleed-air system.
- B. The pneumatic regulator is connected to the pack valve and to the pack overpressure switch through a tubing.
- C. These procedures are the same for the LH and RH sides.
- D. 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
36-11-12-000-801-A	ENGINE BLEED-AIR PNEUMATIC REGU- LATOR - REMOVAL	ALL
36-11-12-400-801-A	ENGINE BLEED-AIR PNEUMATIC REGU- LATOR - INSTALLATION	ALL

TASK 36-11-12-000-801-A

EFFECTIVITY: ALL

## 2. ENGINE BLEED-AIR PNEUMATIC REGULATOR - REMOVAL

### A. General

(1) This task gives the instructions to remove the engine bleed-air pneumatic regulator.

### B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
<a href="#">AMM TASK 20-00-00-910-801-A/200</a>	AIRCRAFT SAFE PROCEDURES FOR MAINTENANCE SERVICES - MAINTENANCE PRACTICES

### C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
191	191KL	LH side of the forward lower fairing
191	191LR	RH side of the forward lower fairing

### D. Tools and Equipment

Not Applicable

### E. Auxiliary Items

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Protective Cap/Plug	To protect open connections/lines	AR

### F. Consumable Materials

Not Applicable

### G. Expandable Parts

Not Applicable

### H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	LH or RH side of the forward lower fairing

### I. Preparation

SUBTASK 841-002-A

**WARNING: MAKE SURE THAT THE AIRCRAFT IS IN A SAFE CONDITION BEFORE YOU DO THE MAINTENANCE PROCEDURES. THIS IS TO PREVENT INJURY TO PERSONS AND/OR DAMAGE TO THE EQUIPMENT.**

(1) Do the procedure to make the aircraft safe for maintenance ( [AMM TASK 20-00-00-910-801-A/200](#) ).

- (2) On the Circuit Breaker Panel, open the PACK 1 and PACK 2 circuit breakers and attach a DO-NOT-CLOSE tag to them.
- (3) Remove the access panel 191KL or 191LR (AMM MPP 06-41-01/100).

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

*SUBTASK 020-002-A*

- (1) Disconnect the tube assembly (3) from the pneumatic regulator (2).
- (2) Disconnect the pneumatic regulator (2) from the Tee connection (1).
- (3) Remove the pneumatic regulator (2).

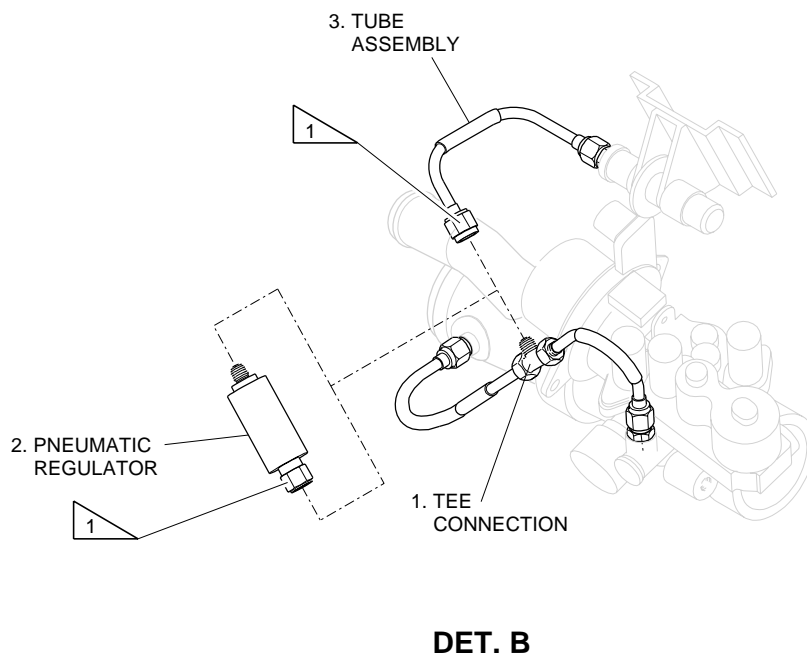
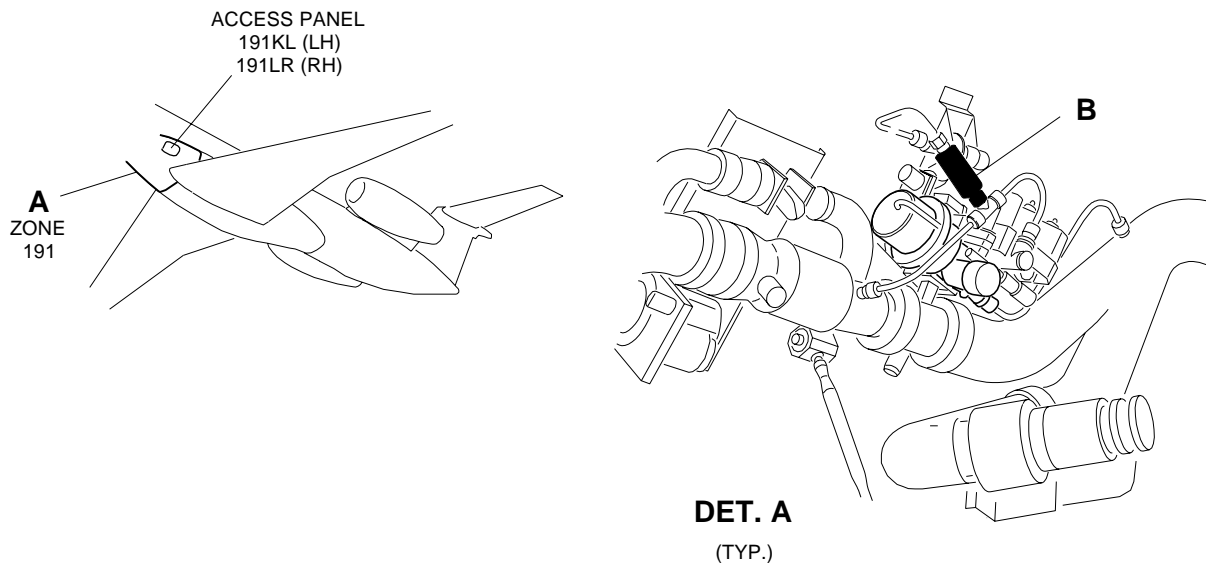
CAUTION: YOU MUST PROTECT ALL OPEN CONNECTIONS TO PREVENT CONTAMINATION OF THE LINES WITH FOREIGN PARTICLES.


- (4) Put protective caps/plugs on all open connections.

**EFFECTIVITY: ALL**

Engine Bleed-Air Pneumatic Regulator - Removal/Installation

Figure 401




**TORQUE: 15.3 – 17 N.m (135 – 150 lb.in)**

EM145AMM360594A.DGN

TASK 36-11-12-400-801-A

EFFECTIVITY: ALL

### 3. ENGINE BLEED-AIR PNEUMATIC REGULATOR - INSTALLATION

#### A. General

(1) This task gives the instructions to install the engine bleed-air pneumatic regulator.

#### B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
<a href="#">AMM TASK 20-00-00-910-801-A/200</a>	AIRCRAFT SAFE PROCEDURES FOR MAINTENANCE SERVICES - MAINTENANCE PRACTICES
<a href="#">AMM TASK 36-00-00-700-803-A/500</a>	AIR BLEED SYSTEM - OPERATIONAL TEST

#### C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
191	191KL	LH side of the forward lower fairing
191	191LR	RH side of the forward lower fairing

#### D. Tools and Equipment

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Torque wrench (Range: 50 - 250 lb.in)	To tighten the connections	

#### 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	LH or RH side of the forward lower fairing

#### I. Installation (Figure 401)

##### SUBTASK 420-002-A

- (1) Remove the protective caps/plugs from the open connections.
- (2) Put the pneumatic regulator (2) in position.
- (3) Connect the pneumatic regulator (2) to the Tee connection (1).

- (4) Connect the tube assembly (3) to the pneumatic regulator (2).
- (5) Tighten the connections of the pneumatic regulator (2) and tube assembly (3). With a torque wrench, apply a tightening torque of 15.3 – 17 N.m (135 – 150 lb.in).

J. Follow-on

*SUBTASK 842-002-A*

- (1) Install the access panel 191KL or 191LR (AMM MPP 06-41-01/100).
- (2) On the Circuit Breakers Panel, close the PACK 1 and PACK 2 circuit breakers and remove the DO-NOT-CLOSE tag from them.
- (3) Do an operational test of the Air Bleed System ( [AMM TASK 36-00-00-700-803-A/500](#)).
- (4) Put the aircraft on its initial configuration ( [AMM TASK 20-00-00-910-801-A/200](#)).