



AIRCRAFT  
MAINTENANCE MANUAL

**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 REGULATOR - REMOVAL	ALL
36-11-12-400-801-A	ENGINE BLEED-AIR PNEUMATIC REGULATOR - INSTALLATION	ALL



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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	-
AMM TASK 20-00-00-910-801-A/200	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).



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- (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).

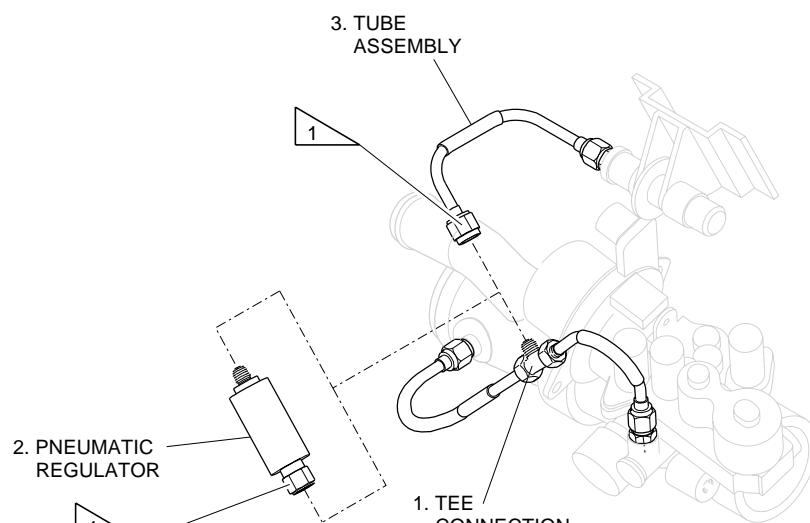
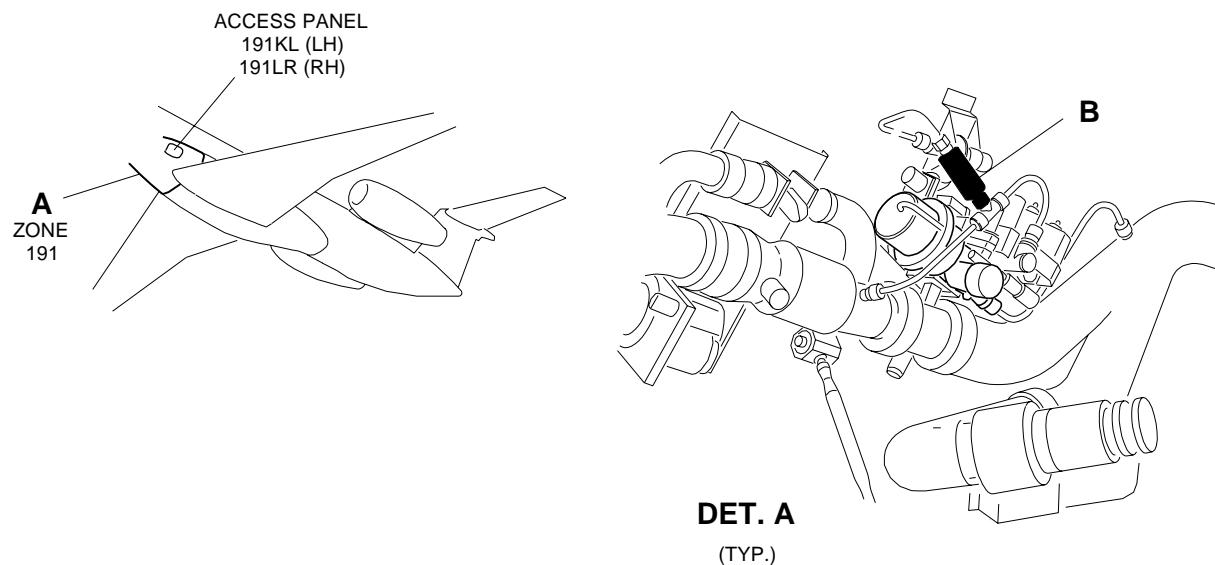
**CAUTION: YOU MUST PROTECT ALL OPEN CONNECTIONS TO PREVENT CONTAMINATION OF THE LINES WITH FOREIGN PARTICLES.**

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

**EFFECTIVITY: ALL**

Engine Bleed-Air Pneumatic Regulator - Removal/Installation

Figure 401



**DET. B**

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

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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	-
AMM TASK 20-00-00-910-801-A/200	AIRCRAFT SAFE PROCEDURES FOR MAINTENANCE SERVICES - MAINTENANCE PRACTICES
AMM TASK 36-00-00-700-803-A/500	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).



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- (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](#)).