



# AIRCRAFT MAINTENANCE MANUAL

## TORQUE-MOTOR DUAL VALVE - MAINTENANCE PRACTICES

EFFECTIVITY: POST-MOD. S.B. 145-21-0039

### 1. General

- A. The air filter is installed on the line that connects the relief valve to the torque motor in the Torque-Motor Dual Valve (TMDV) assembly which is part of the ECU. The filter element can be discarded and replaced when necessary.
- 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
21-60-08-960-801-A ♦	TORQUE-MOTOR DUAL-VALVE FILTER - REPLACEMENT	POST-MOD. S.B. 145-21-0039



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TASK 21-60-08-960-801-A

EFFECTIVITY: POST-MOD. S.B. 145-21-0039

2. TORQUE-MOTOR DUAL-VALVE FILTER - REPLACEMENT

A. General

(1) This task gives the procedures to replace the TMDV air filter element.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
IPC 21-51-00	COOLING PACK SYSTEM

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	5/8" wrench	To secure the flange.	1
Commercially available	Torque wrench - 0 - 10 N.m (0 - 88 lb.in)	To attach the air filter body to the flange.	1

E. Auxiliary Items

Not Applicable

F. Consumable Materials

SPECIFICATION (BRAND)	DESCRIPTION	QTY
MS20995C20	Lockwire	AR

G. Expendable Parts

ITEM	IPC REFERENCE (VENDOR REFERENCE)	QTY
Torque-Motor Dual-Valve Air Filter	IPC 21-51-00	1

H. Persons Recommended

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



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I. Preparation

SUBTASK 841-002-A

- (1) Remove access panel 191KL or 191LR (AMM MPP 06-41-01/100).

J. Air Filter Element Replacement ([Figure 201](#))

SUBTASK 960-002-A

- (1) Remove the lockwires (5).

- (2) Disconnect the tube assembly from the lower end of the air filter body (6).

- (3) Loosen and remove the air filter body (6). Use a 5/8" wrench to secure the flange (1) in place.

**NOTE:** • Use the 5/8" wrench to prevent the flange loosening.  
• Make sure do not lose the spring (2).

- (4) Discard the filter element (4) and O-ring (3).

- (5) Install a new filter element (4) in the air filter body (6).

- (6) Install a new O-ring (3) in the flange (1).

- (7) Install the spring (2) and the air filter body (6) on the flange (1).

- (8) Tighten the air filter body (6) on the flange (1). With a torque wrench, apply a torque of 5 - 6 N.m (44 - 53 lb.in).

- (9) Connect the tube assembly to the lower end of the air filter body (6). Tighten the connection.

- (10) Install the new lockwires (5).

K. Follow-on

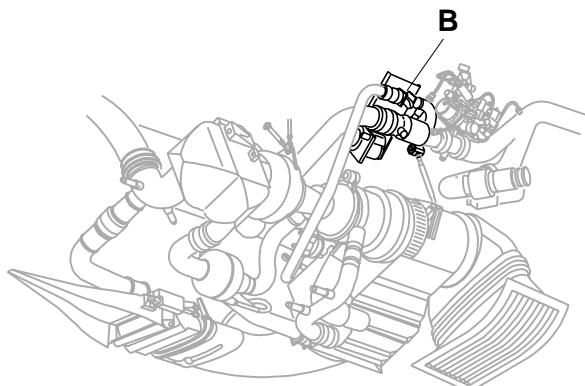
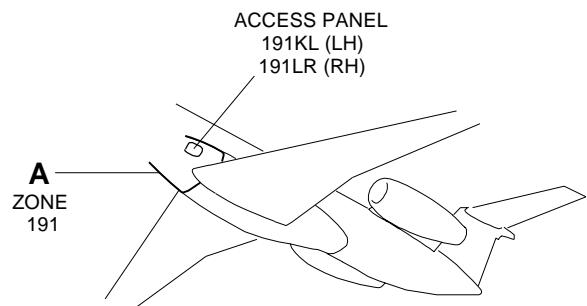
SUBTASK 842-002-A

- (1) Install access panel 191KL or 191LR (AMM MPP 06-41-01/100).

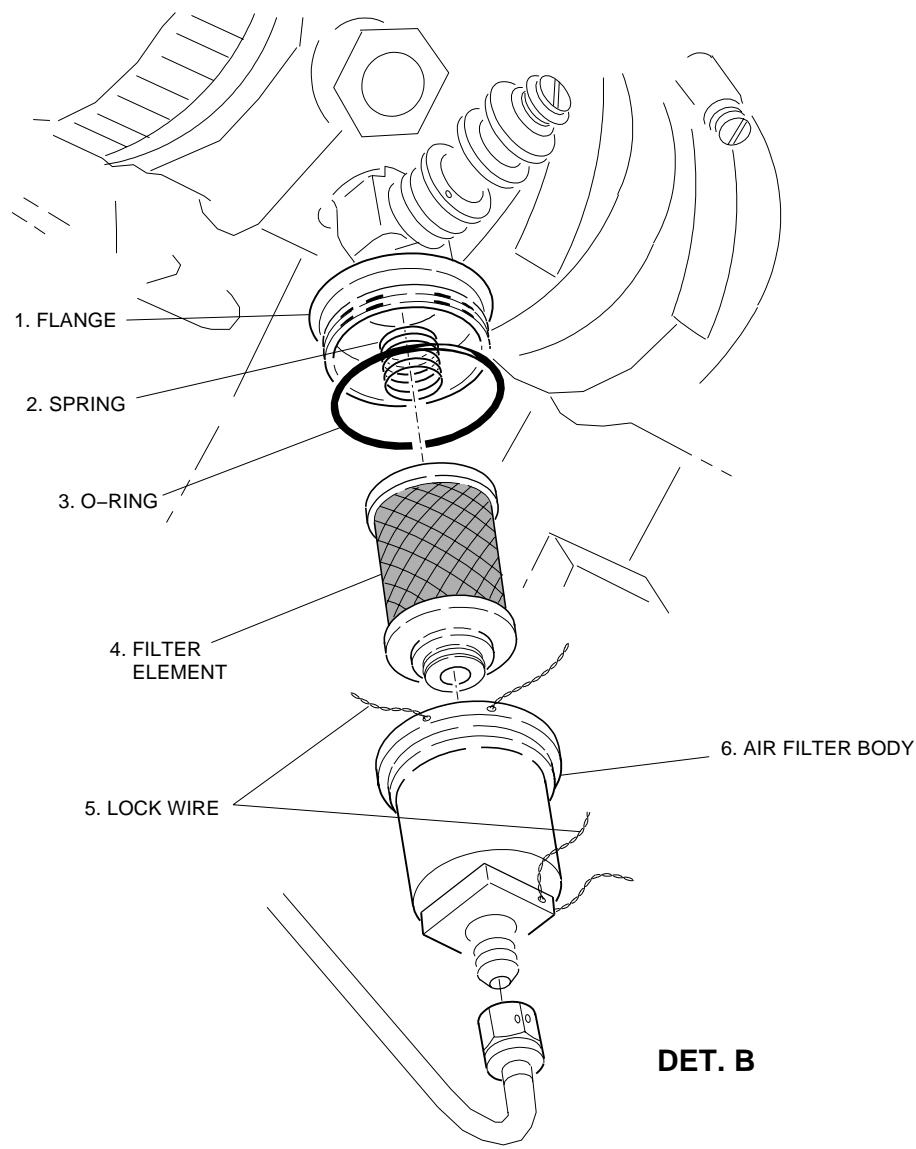
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Filter Element - Replacement

Figure 201



**DET. A**  
(TYP.)



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