

## APU OIL COOLER DUCT - REMOVAL/INSTALLATION

*EFFECTIVITY: AIRCRAFT EQUIPPED WITH APU T-62T-40C14*

### 1. General

- A. This section gives the procedures to remove/install the APU oil-cooler air duct.
- 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
49-92-01-000-801-A	APU OIL-COOLER AIR DUCT - REMOVAL	AIRCRAFT EQUIPPED WITH APU T-62T-40C14
49-92-01-400-801-A	APU OIL-COOLER AIR DUCT - INSTALLATION	AIRCRAFT EQUIPPED WITH APU T-62T-40C14

TASK 49-92-01-000-801-A

EFFECTIVITY: AIRCRAFT EQUIPPED WITH APU T-62T-40C14

## 2. APU OIL-COOLER AIR DUCT - REMOVAL

### A. General

(1) Obey these instructions to remove the APU oil-cooler air duct.

### B. References

REFERENCE	DESIGNATION
<a href="#">AMM MPP 49-00-00/200</a>	- MAINTENANCE PRACTICES
<a href="#">AMM TASK 49-15-00-000-801-A/400</a>	APU COWLING - REMOVAL

### C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
313		APU

### D. Tools and Equipment

Not Applicable

### E. Auxiliary Items

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Workstand	To get access to the work area	1

### F. Consumable Materials

Not Applicable

### G. Expandable Parts

Not Applicable

### H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	APU

### I. Preparation

SUBTASK 841-002-A

**WARNING: BEFORE YOU DO THE TASK, OBEY THE SAFETY PRECAUTIONS GIVEN IN [AMM MPP 49-00-00/200](#) TO PREVENT INJURY TO THE PERSONS AND DAMAGE TO THE MATERIAL.**

- (1) On the circuit breaker panel, open the APU FUEL SOV circuit breaker and attach a DO-NOT-CLOSE tag to it.
- (2) On the left power control and distribution box, open the APU GEN START circuit breaker and attach DO-NOT-CLOSE tag to it.

- (3) Put the workstand under the aircraft tail cone.
- (4) Remove the APU cowl ( [AMM TASK 49-15-00-000-801-A/400](#)).

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

*SUBTASK 020-002-A*

*EFFECTIVITY: ALL AIRCRAFT THAT DO NOT HAVE THE NEW SERIES 145-54858 APU COWLINGS INSTALLED*

- (1) Remove the air inlet duct (11).
- (2) Remove the bolt (5) and the nut (4) and then release the clamp (7) from the bracket (1). Refer to DET. B of [Figure 401](#).
- (3) Remove the bolts (9), washers (3), and nuts (2) and then remove the oil-cooler air duct (8) and the flexible air-inlet duct (6) from the APU oil cooler (10).

K. Removal ([Figure 402](#))

*SUBTASK 020-002-B*

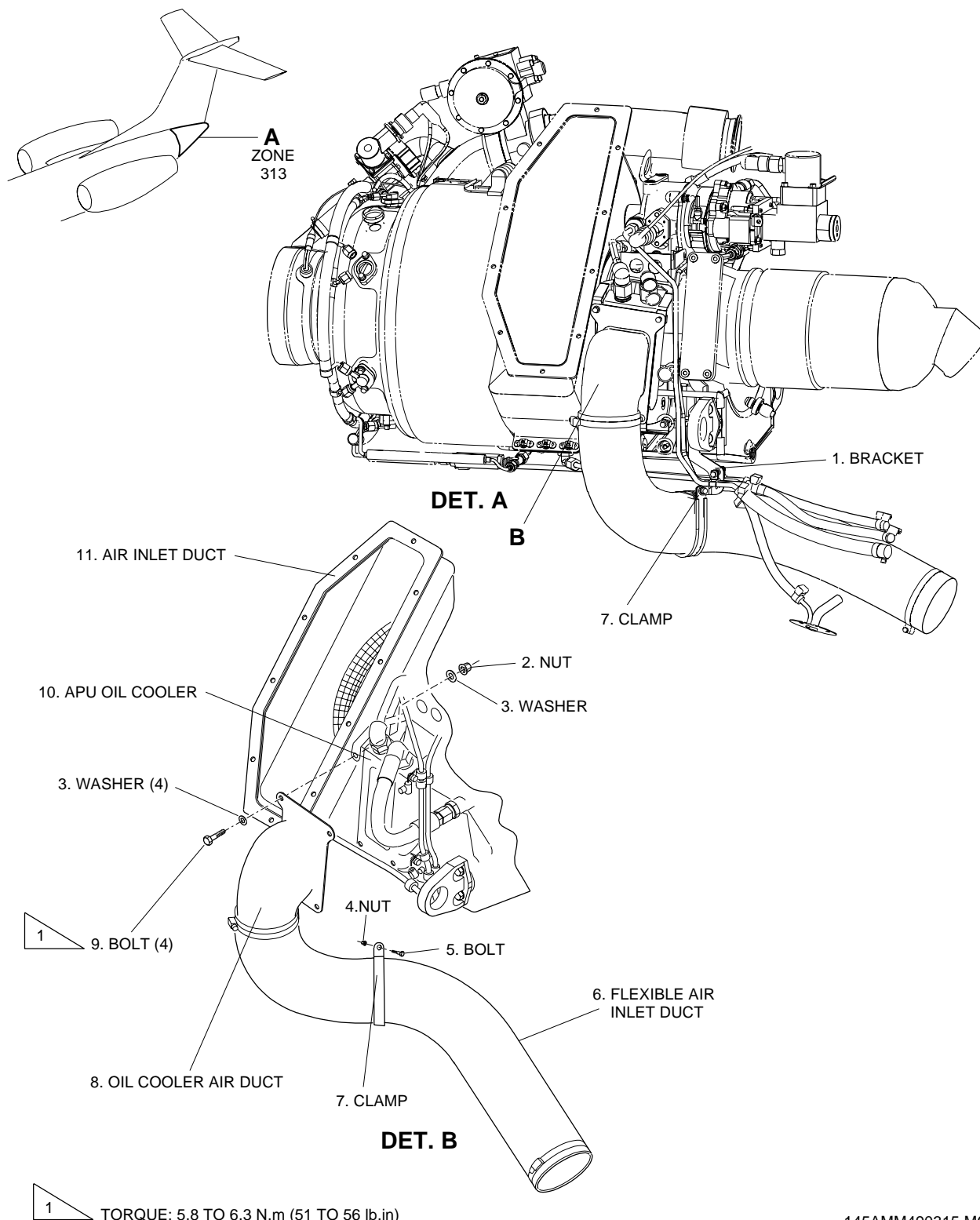
*EFFECTIVITY: APU COWLING SERIES 145-54858*

- (1) Remove the air inlet duct (10).
- (2) Remove the bolts (1), washers (4), and nuts (5) and then remove the oil cooler duct (2) and the bracket (9) from the air/oil cooler (3). Refer to DET. B of [Figure 402](#).
- (3) Remove the bolts (7) at the lower oil cooler bracket (8) and then remove the bracket (6) from the gearbox assembly.

**EFFECTIVITY: ALL AIRCRAFT THAT DO NOT HAVE THE NEW SERIES 145-54858 APU COWLINGS INSTALLED**

APU Oil-Cooler Air Duct - Removal/Installation

Figure 401

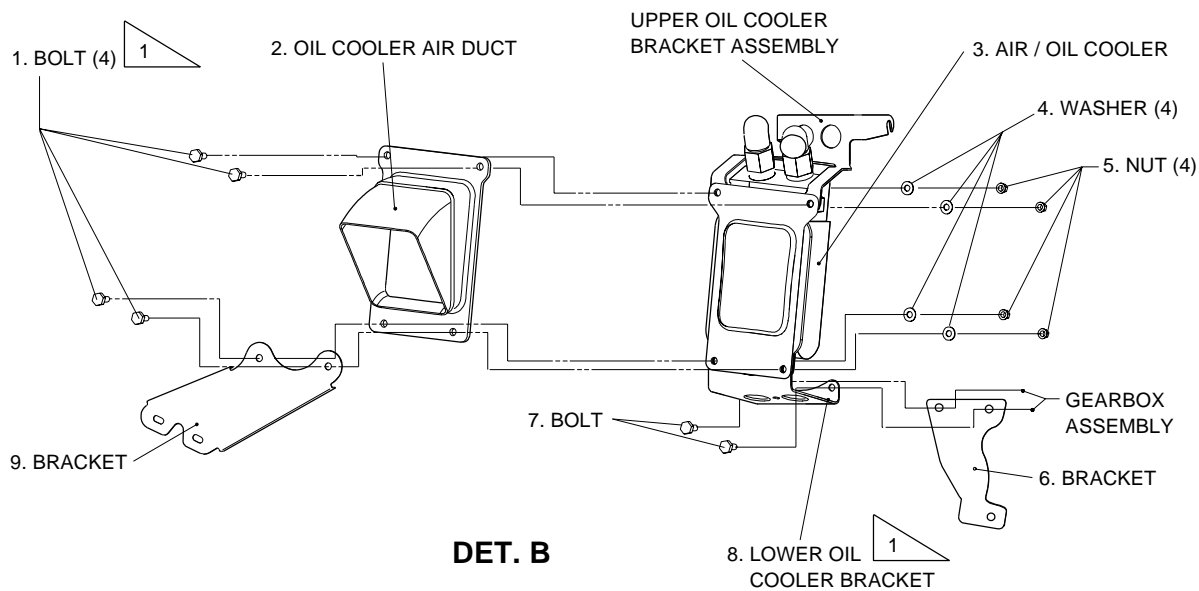
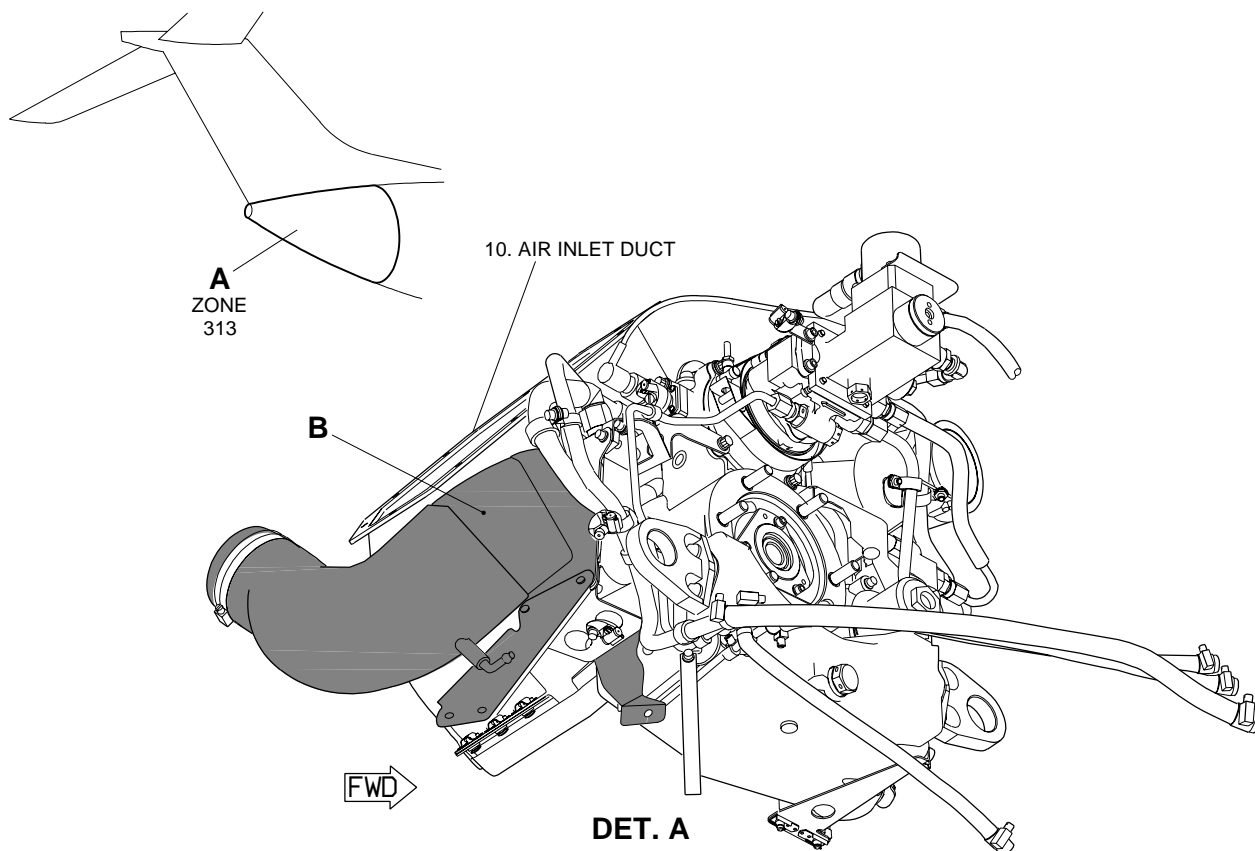


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EFFECTIVITY: APU COWLING 145-54858 SERIES

APU Oil-Cooler Air Duct - Removal/Installation

Figure 402



TORQUE: 5.8 TO 6.3 N.m (51 TO 56 lb.in)

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TASK 49-92-01-400-801-A

*EFFECTIVITY: AIRCRAFT EQUIPPED WITH APU T-62T-40C14*

### 3. APU OIL-COOLER AIR DUCT - INSTALLATION

#### A. General

- (1) Obey these instructions to install the APU oil-cooler air duct.

#### B. References

REFERENCE	DESIGNATION
<a href="#">AMM TASK 49-15-00-400-801-A/400</a>	APU COWLING - INSTALLATION

#### C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
313		APU

#### D. Tools and Equipment

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Torque Wrench	To torque the nuts	

#### E. Auxiliary Items

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Workstand	To get access to the work area	1

#### F. Consumable Materials

Not Applicable

#### G. Expandable Parts

Not Applicable

#### H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	APU

#### I. Installation (Figure 401)

**SUBTASK 420-002-A**

*EFFECTIVITY: ALL AIRCRAFT THAT DO NOT HAVE THE NEW SERIES 145-54858 APU COWLINGS INSTALLED*

- (1) Install the oil-cooler air duct (8) and the flexible air-inlet duct (6) with the bolts (9), washers (3), and nuts (2) at the APU oil cooler (10). Refer to DET. B of (Figure 401).
- (2) Install the clamp (7) with the bolt (5) and nut (4) at the bracket (1).

- (3) Install the air inlet duct (11).

J. Installation (Figure 402)

*SUBTASK 420-002-B*

*EFFECTIVITY: APU COWLING SERIES 145-54858*

- (1) Install the oil cooler duct (2) and bracket (9) with the bolts (1), washers (4), and nuts (5) on the air/oil cooler (3). Refer to DET. B of (Figure 402).
- (2) Install the bracket (6) and the lower oil cooler bracket (8) with the bolts (7) at the gearbox assembly.
- (3) Install the air inlet duct (10).

K. Follow-on

*SUBTASK 842-002-A*

- (1) Install the APU cowling ( [AMM TASK 49-15-00-400-801-A/400](#) ).
- (2) Remove the workstand from the work area.
- (3) On the circuit breaker panel, remove the DO-NOT-CLOSE tag and close the APU FUEL SOV circuit breaker.
- (4) On the left power control and distribution box, remove the DO-NOT-CLOSE tag and close the APU GEN START circuit breaker.

