



## AIRCRAFT MAINTENANCE MANUAL

### APU STARTER/GENERATOR ACCESSORIES - REMOVAL/INSTALLATION

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

#### 1. General

- A. This section gives the procedures to remove/install the starter-generator accessories.
- 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
49-26-02-000-801-A	APU STARTER-GENERATOR ACCESSORIES - REMOVAL	AIRCRAFT EQUIPPED WITH APU T-62T-40C14
49-26-02-400-801-A	APU STARTER-GENERATOR ACCESSORIES - INSTALLATION	AIRCRAFT EQUIPPED WITH APU T-62T-40C14



EMB145 - EMB135

AIRCRAFT  
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TASK 49-26-02-000-801-A

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

2. APU STARTER-GENERATOR ACCESSORIES - REMOVAL

A. General

- (1) Obey these instructions to remove the starter-generator accessories.

B. References

REFERENCE	DESIGNATION
AMM MPP 49-00-00/200	- MAINTENANCE PRACTICES
AMM TASK 49-15-00-000-801-A/400	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 DO-NOT-CLOSE tags 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 cowling ([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[minus ]54858  
APU COWLINGS INSTALLED

- (1) Release the clamp (3) and remove the inlet flexible duct (2) from the starter-generator (1).
- (2) Remove the bolts (6) and washers (7) and then remove the air outlet duct (5) from the starter-generator mounting pad (8). Refer to DET. B of [Figure 401](#).
- (3) Put a cover on the starter-generator air inlet and outlet to prevent damage to the starter-generator.

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

SUBTASK 020-002-B

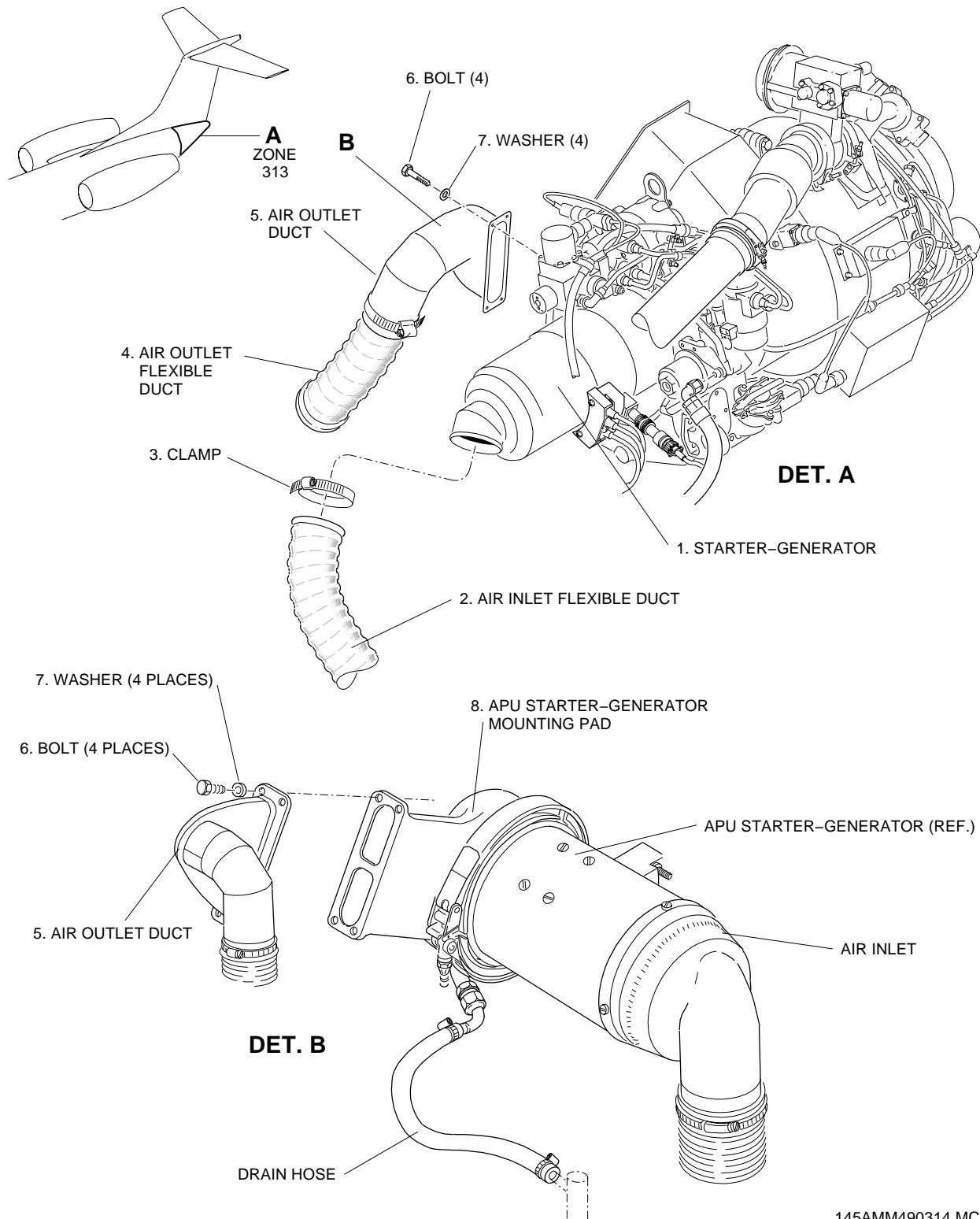
EFFECTIVITY: APU COWLING SERIES 145[minus ]54858

- (1) Release the clamp (2) and remove the inlet flexible duct (3) from the starter-generator (1).
- (2) Release the clamp (4) and remove the drain hose (5) from the inlet drain duct (6)
- (3) Release the clamp (7) from the APU mounting.
- (4) Remove the bolt (11), washers (9) and nut (8) and then release the clamp (10) from the bracket (12).
- (5) Remove the bolts (13), washers (14) and nuts (15) and then remove the adapter duct (16) from the bracket (17).
- (6) Remove the bolts (18), washers (19), and the air outlet duct (20) from the starter-generator mounting pad (21).
- (7) Put a cover on the starter-generator air inlet and outlet to prevent damage to the starter-generator.

**EFFECTIVITY: ALL AIRCRAFT THAT DO NOT HAVE THE NEW SERIES 145[minus]54858 APU COWLING INSTALLED**

Starter/Generator Accessories - Removal/Installation

Figure 401

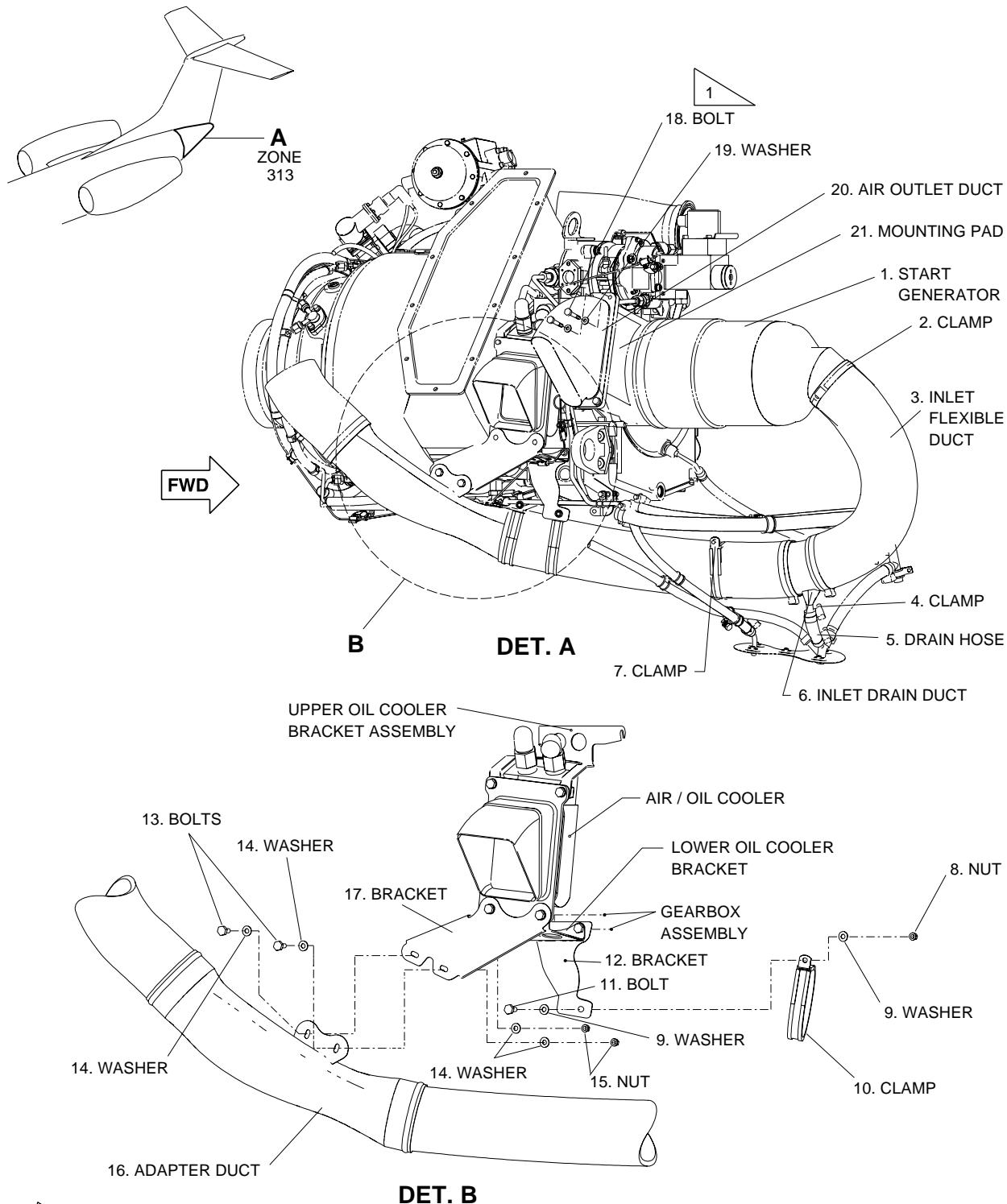


145AMM490314.MCE

**EFFECTIVITY: APU COWLING 145[minus]54858 SERIES**

Starter/Generator Accessories - Removal/Installation

Figure 402



**1** TORQUE: 2.3 TO 2.8 N.m (20 TO 25 lb.in)

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TASK 49-26-02-400-801-A

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

3. APU STARTER-GENERATOR ACCESSORIES - INSTALLATION

## A. General

- (1) Obey these instructions to install the starter-generator accessories.

## B. References

REFERENCE	DESIGNATION
AMM TASK 49-15-00-400-801-A/400	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	Ladder	To get access to the work area	1

## F. Consumable Materials

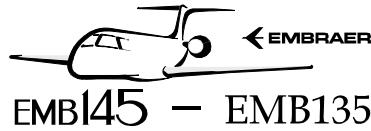
SPECIFICATION (BRAND)	DESCRIPTION	QTY
MS20995	Lockwire	AR

## G. Expandable Parts

Not Applicable

## H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	APU



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I. Installation (Figure 401)

SUBTASK 420-002-A

*EFFECTIVITY: ALL AIRCRAFT THAT DO NOT HAVE THE NEW SERIES 145[minus] J54858 APU COWLING INSTALLED*

- (1) NOTE: All the adjustable clamps that you removed must be lockwired in this installation procedure.

Remove the cover that you put on the starter-generator air inlet and outlet.

- (2) Install the air outlet duct (5) on the starter-generator mounting pad (8) with the bolts (6) and washers (7). Refer to DET. B of (Figure 401).
- (3) Install the inlet flexible duct (2) on the starter generator (1) and tighten the adjustable clamp (3).

J. Installation (Figure 402)

SUBTASK 420-002-B

*EFFECTIVITY: APU COWLING SERIES 145[minus] J54858*

- (1) NOTE: All the adjustable clamps that you removed must be lockwired in this installation procedure.

Remove the cover that you put on the starter-generator air inlet and outlet.

- (2) Install the inlet flexible duct (3) on the starter-generator (1) and tighten the adjustable clamp (2).
- (3) Install the drain hose (5) on the inlet drain duct (6) and tighten the adjustable clamp (4).
- (4) Install the clamp (7) at the APU mounting.
- (5) Install the clamp (10) on the bracket (12) with the bolt (11), washers (9), and nut (8).
- (6) Install the adapter duct (16) on the bracket (17) with the bolts (13), washers (14), and nuts (15).
- (7) Install the air outlet duct (20) on the starter-generator mounting pad (21) with the bolts (18) and washers (19).

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.

