



## AIRCRAFT MAINTENANCE MANUAL

### AIR TURBINE STARTER (ATS) - SERVICING

EFFECTIVITY: ALL

#### 1. General

- A. This section gives the procedures to do the servicing of the ATS.
- 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
80-10-01-600-801-A	AIR TURBINE STARTER - SERVICING	ALL



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TASK 80-10-01-600-801-A

EFFECTIVITY: ALL

2. AIR TURBINE STARTER - SERVICING

A. General

(1) This task permits you to do the servicing of the ATS.

B. References

REFERENCE	DESIGNATION
AMM MPP 20-30-02/200	- MAINTENANCE PRACTICES
AMM MPP 71-00-00/200	- MAINTENANCE PRACTICES
AMM TASK 71-12-01-000-801-A/400	ENGINE LOWER COWLING - OPENING
AMM TASK 71-12-01-400-801-A/400	ENGINE LOWER COWLING - CLOSING
IPC 80-11-00	-

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
413		LH Engine Lower Cowling
423		RH Engine Lower Cowling

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Workstand	To get access to the ATS	1
Commercially available	Container	To collect oil from the ATS	1

F. Consumable Materials

SPECIFICATION (BRAND)	DESCRIPTION	QTY
MS20995C32	Lockwire	AR

G. Expendable Parts

ITEM	IPC REFERENCE (VENDOR REFERENCE)	QTY
O-ring	IPC 80-11-00	2

**H. Persons Recommended**

QTY	FUNCTION	PLACE
1	Does the task	Engine

**I. Preparation**
**SUBTASK 841-002-A**

**WARNING: BEFORE YOU DO THE TASK, OBEY THE SAFETY PRECAUTIONS GIVEN IN AMM MPP 71-00-00/200 TO PREVENT INJURY TO PERSONS AND DAMAGE TO THE MATERIAL.**

- (1) On the circuit breaker panel, open the circuit breakers below and attach a DO-NOT-CLOSE tag to them:
  - START 1/2.
- (2) Put the workstand in the work area.
- (3) Open the lower cowling ([AMM TASK 71-12-01-000-801-A/400](#)) to get access the ATS.

**J. Air Turbine Starter Oil Servicing ([Figure 301](#))**
**SUBTASK 610-002-A**

- (1) Do the servicing of the ATS as follows:

(a) Cut the lockwire and remove the refilling plug (3) from the ATS. Discard the O-ring (2).

**CAUTION: TO PREVENT DAMAGE, FILL THE ATS WITH THE SAME OIL AS THE ONE APPROVED FOR THE ENGINE (SEE AMM [AMM MPP 20-30-02/200](#)).**

- FOR AIRCRAFT WITH STARTER PNEUMATIC UNIT UP TO P/N 3505910-6 INSTALLED, DO NOT USE MIL-PRF-23699 HTS OILS.
- FOR AIRCRAFT WITH STARTER PNEUMATIC UNIT P/N 3505910-7 INSTALLED, YOU CAN ALSO USE MIL-PRF-23699 HTS OILS.

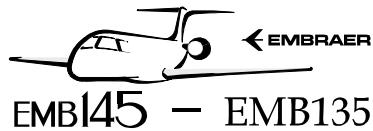
- (b) Fill the ATS with the approved oil until the oil level comes to the plug housing (1) (an oil overflow must occur).

**NOTE:** • Have a correct container to collect the oil drained from the ATS.  
           • Do not mix the oil brands and types.

- (c) Lubricate the O-ring (2) with the oil used in the ATS and install it in the refilling plug (3).

- (d) Install the refilling plug (3) to the ATS.

- (e) Torque and safety the refilling plug with lockwire.



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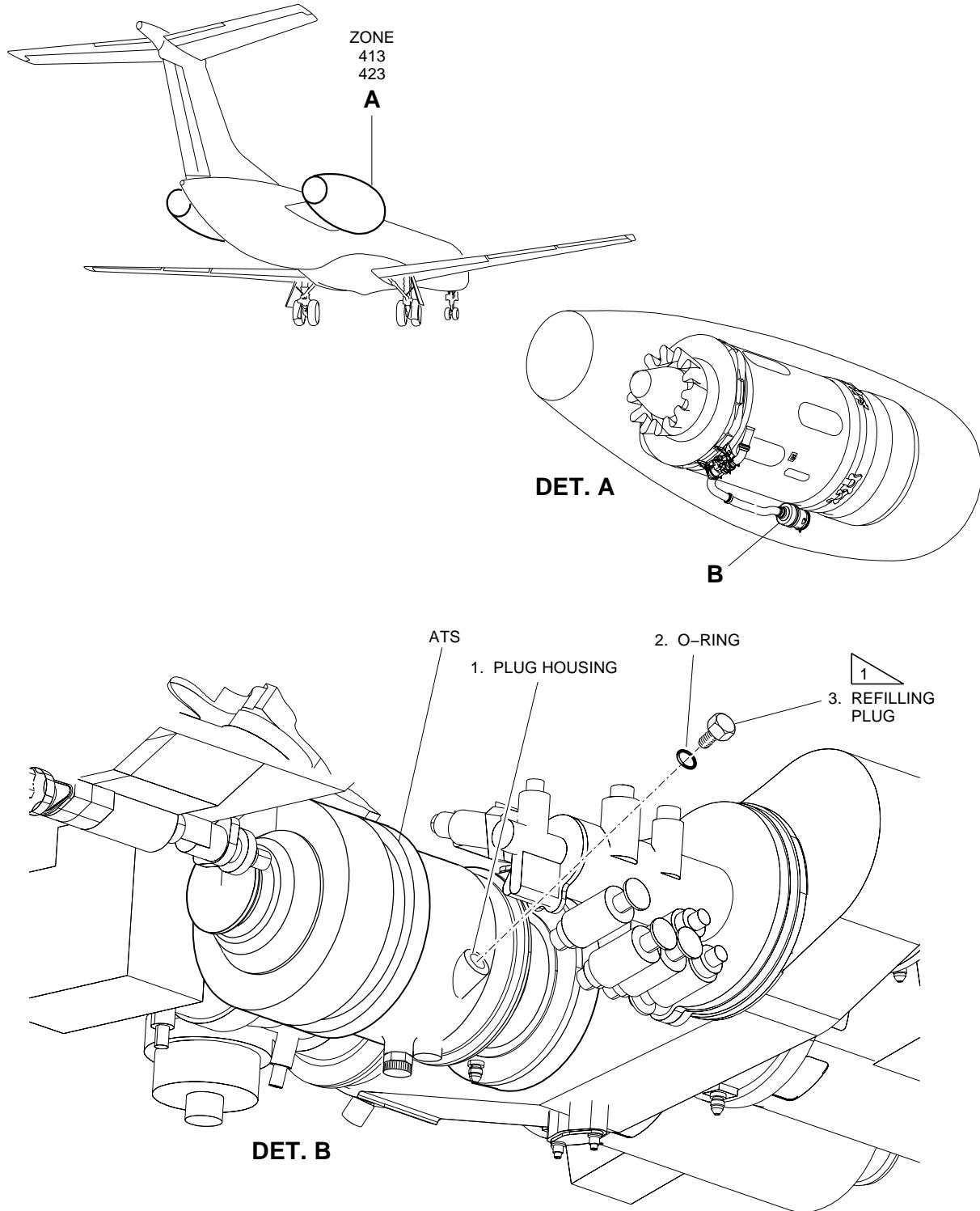
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K. Follow-on

SUBTASK 842-002-A

- (1) Close the lower cowling ( [AMM TASK 71-12-01-400-801-A/400](#)).
- (2) Remove the workstand from the work area.
- (3) On the circuit breaker panel, close the circuit breakers below and remove the DO-NOT-CLOSE tag from them:
  - START 1/2.

**EFFECTIVITY: ALL**  
 ATS - Servicing  
 Figure 301



 1 TORQUE: 3.95 – 4.52 N.m (35 – 40 lb.in)

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