

AIRCRAFT MAINTENANCE MANUAL

APU FIRE EXTINGUISHER BOTTLE - INSPECTION/CHECK

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to do the check of the APU fire extinguisher bottle weight and pressure.
- 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
26-22-01-200-801-A	APU FIRE EXTINGUISHER BOTTLE - IN-SPECTION	ALL



EMB145 – EMB135

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TASK 26-22-01-200-801-A

EFFECTIVITY: ALL

2. APU FIRE EXTINGUISHER BOTTLE - INSPECTION

A. General

- (1) To do this inspection, it is necessary to remove the APU fire extinguisher bottle from the aircraft.
- (2) The weight check can be performed beside/under the aircraft.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-42-00/100	-
AMM MPP 49-00-00/200	- MAINTENANCE PRACTICES
AMM TASK 26-22-01-000-801-A/400	APU FIRE-EXTINGUISHER BOTTLE - REMOVAL
AMM TASK 26-22-01-400-801-A/400	APU FIRE-EXTINGUISHER BOTTLE - INSTALLATION
Pacific Scientific CMM 26-20-202 and Supplement 30100050	-

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
312	312AR	Tail cone compartment

D. Tools and Equipment

ITEM	DESCRIPTION	PURPOSE	QTY
Pacific Scientific	Cradle, Fire Extinguisher (P/N 83000346)	To position the fire extinguisher bottle on the weighing scale	
Commercially available	Weighing Scale – up to 65 kg (120 lb) ± 0.005 kg (0.01 lb)	To weigh the fire extinguisher bottle	

E. Auxiliary Items

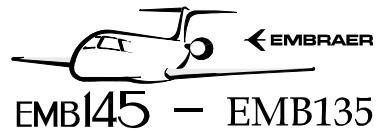
ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Ladder	To get access to the tail cone compartment	1

F. Consumable Materials

Not Applicable

G. Expandable Parts

Not Applicable



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H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Tail cone compartment

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 PERSONS AND DAMAGE TO MATERIAL.

- (1) On the circuit breaker panel, open these circuit breakers and attach a DO-NOT-CLOSE tag to them:
 - APU FIRE EXTG.
 - APU CONTROL.
- (2) Put the ladder in the work area.
- (3) Open access panel 312AR (AMM MPP 06-42-00/100) to get access to the tail cone compartment.
- (4) Remove the APU fire extinguisher bottle ([AMM TASK 26-22-01-000-801-A/400](#)).

NOTE: The clamp kit must be removed and kept together with the APU fire extinguisher bottle. The total weight specified by the manufacturer incorporates the clamp kit weight.

J. APU Fire Extinguisher Bottle – Weight and Pressure Checks ([Figure 601](#))

SUBTASK 280-002-A

WARNING: INCORRECT HANDLING OF A CHARGED FIRE EXTINGUISHER BOTTLE CAN CAUSE ACCIDENTAL DISCHARGE OF THE EXTINGUISHING AGENT AND POSSIBLE INJURY TO PERSONS. MAKE SURE THAT THERE IS A PROTECTION ON THE OUTLETS OF THE DISCHARGE TUBING BEFORE YOU MOVE THE BOTTLE. DO NOT HIT THE BOTTLE AGAINST AIRCRAFT PARTS AND PREVENT DAMAGE TO THE BOTTLE. DO NOT APPLY PRESSURE TO, OR INSERT ANYTHING INTO THE DISCHARGE OUTLET OR FILL FITTING.

WARNING: IF THE FIRE EXTINGUISHER BOTTLE DISCHARGES, DO NOT BREATHE THE HALON GASES OR GET HALON ON YOUR SKIN OR IN YOUR EYES. MAKE SURE ALL PERSONNEL GO TO A SAFE AREA WITH A GOOD AIRFLOW. HALON GASES CAN CAUSE SKIN AND EYE IRRITATION.

- (1) Do the weight and pressure checks of the APU fire extinguisher bottle (1). You can refer to the latest revision of Pacific Scientific CMM 26-20-202 and Supplement 30100050, or do the steps that follow:
 - (a) Put the cradle on the weighing scale. Adjust the weighing scale to zero.
 - (b) Put the fire extinguisher bottle on the cradle.

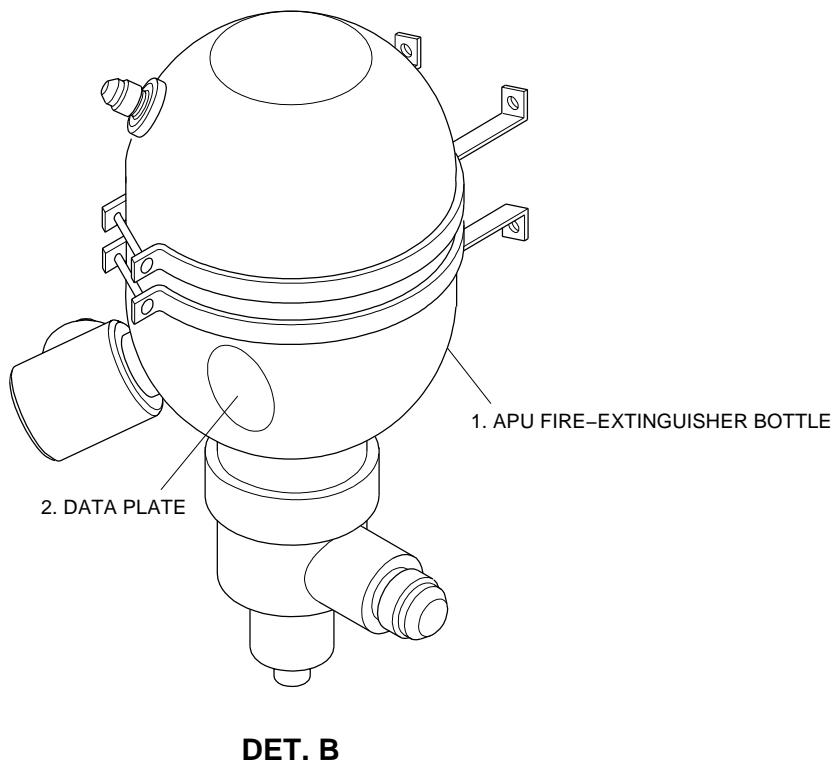
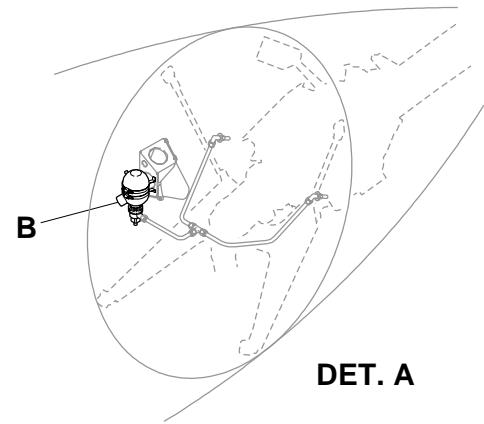
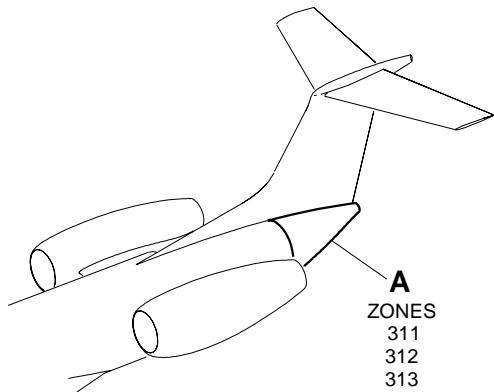
- (c) Weigh the fire extinguisher bottle. Record the weight to the nearest 0.005 kg (0.01 lb).
- (d) Compare the current weight to the last weight recorded on the identification plate.
 - 1 If the weight is less than 0.05 kg (0.10 lb) below or above the last recorded weight, it is within the acceptable parameters.
 - 2 If the weight is more than 0.05 kg (0.10 lb) below or above the last recorded weight, replace the fire extinguisher bottle.
- (e) Examine the pressure gauge of the fire extinguisher bottle for correct indication.
NOTE: Refer to data plate (2) that shows specified information about temperature - pressure range.
 - 1 If the pressure indication is in the specified range, it is within the acceptable parameters.
 - 2 If the pressure indication is out of the specified range, replace the fire extinguisher bottle.

K. Follow-on

SUBTASK 842-002-A

- (1) Install the APU fire extinguisher bottle ([AMM TASK 26-22-01-400-801-A/400](#)).
- (2) Close access panel 312AR (AMM MPP 06-42-00/100).
- (3) Remove the ladder from the work area.
- (4) On the circuit breaker panel, close these circuit breakers and remove the DO-NOT-CLOSE tag from them:
 - APU FIRE EXTG.
 - APU CONTROL.
- (5) On the EICAS display, make sure that the message APU EXTBTL INOP is not shown.

EFFECTIVITY: ALL
 APU Fire Extinguisher Bottle
 Figure 601



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