



AIRCRAFT  
MAINTENANCE MANUAL

APU FIRE EXTINGUISHER BOTTLE - ADJUSTMENT/TEST

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to do the adjustment/test of the APU fire extinguishing bottle.
- 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
26-22-01-700-801-A ♦	APU FIRE EXTINGUISHING BOTTLE - HY- ALL DROSTATIC CHECK	
26-22-01-700-803-A ♦	APU FIRE EXTINGUISHING BOTTLE - FUNCTIONAL CHECK	ALL



EMB145 – EMB135

AIRCRAFT  
MAINTENANCE MANUAL

TASK 26-22-01-700-801-A

EFFECTIVITY: ALL

2. APU FIRE EXTINGUISHING BOTTLE - HYDROSTATIC CHECK

A. General

- (1) To do this check, it is necessary to remove the fire extinguishing bottle from the aircraft.
- (2) To do the task, refer to the instructions in Pacific Scientific CMM 26-20-202.

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	-

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
312	312AR	Tail cone compartment

D. Tools and Equipment

Not Applicable

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

H. Persons Recommended

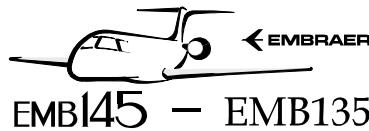
QTY	FUNCTION	PLACE
1	Does the task	Tail cone compartment

I. Preparation

SUBTASK 720-002-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 the circuit breakers below and attach a DO-NOT-CLOSE tag to them:
    - APU FIRE EXTG.
    - APU CONTROL.
  - (2) Install 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 extinguishing bottle ([AMM TASK 26-22-01-000-801-A/400](#)).
- J. Perform Hydrostatic Check of APU Fire Extinguishing Bottle
- SUBTASK 720-002-B*
- (1) Do a hydrostatic check of the APU fire extinguishing bottle. Refer to the last revision of Pacific Scientific CMM 26-20-202.
- K. Follow-on
- SUBTASK 842-002-A*
- (1) Install the APU fire extinguishing bottle ([AMM TASK 26-22-01-400-801-A/400](#)).
  - (2) On the circuit breaker panel, close the circuit breakers below and remove the DO-NOT-CLOSE tag from them:
    - APU FIRE EXTG.
    - APU CONTROL.
  - (3) On the EICAS display make sure that the message APU EXTBTL INOP is not shown.
  - (4) Close access panel 312AR (AMM MPP 06-42-00/100).
  - (5) Remove the ladder.



EMB145 – EMB135

AIRCRAFT  
MAINTENANCE MANUAL

TASK 26-22-01-700-803-A

EFFECTIVITY: ALL

3. APU FIRE EXTINGUISHING BOTTLE - FUNCTIONAL CHECK

A. General

- (1) To do this functional check, it is necessary to remove the APU fire extinguisher bottle from the aircraft.
- (2) The weight check can be done 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

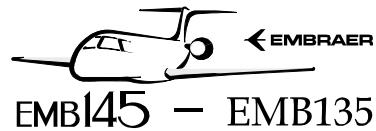
ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Ladder	To get access to the tail cone compartment	1

F. Consumable Materials

Not Applicable

G. Expandable Parts

Not Applicable



EMB145 – EMB135

AIRCRAFT  
MAINTENANCE MANUAL

---

## H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Tail cone compartment

## I. Preparation

## SUBTASK 840-002-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 501](#))

## SUBTASK 720-005-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) The maximum weight of the charged fire extinguisher bottle (with the clamp kit installed) must be 1.95 kg (4.30 lb)  $\pm$  0.05 kg (0.10 lb).
- (e) 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 in 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.
- (f) Examine the pressure gauge of the fire extinguisher bottle for correct indication. The pressure indication must be from 4.14 to 4.31 MPa (600 to 625 psi) at 70°F (21°C).

NOTE: Refer to the data plate (2) that shows the specified information about temperature - pressure range, if necessary.

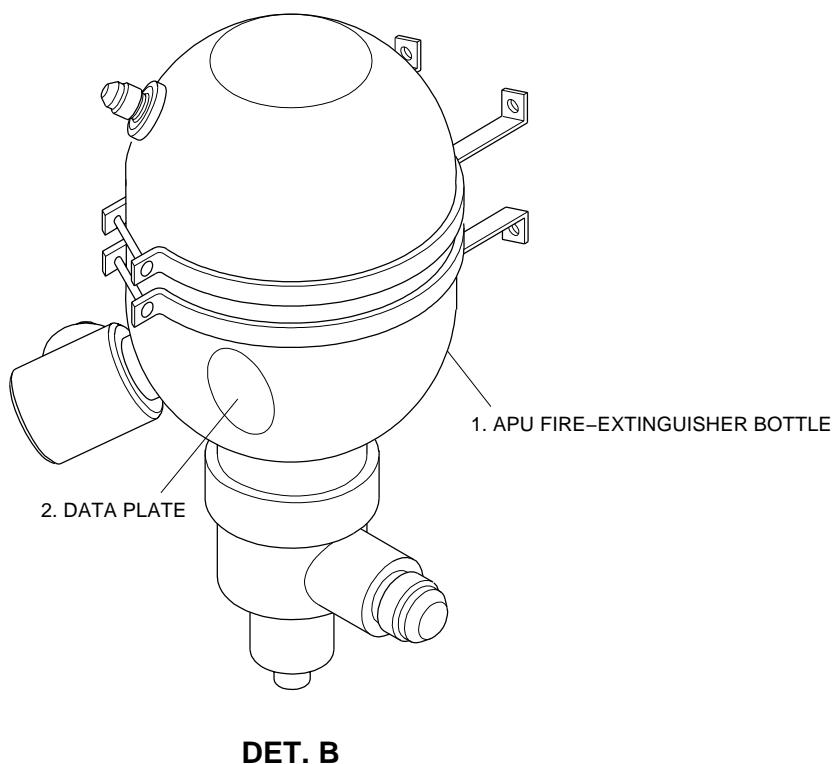
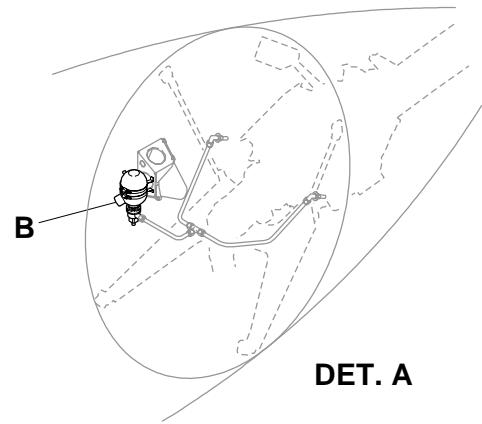
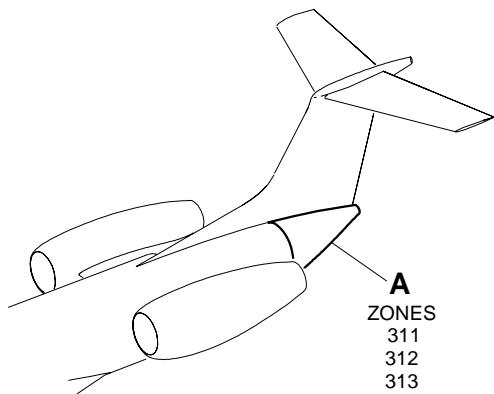
  - 1 If the pressure indication is in the specified range, it is in the acceptable parameters.
  - 2 If the pressure indication is out of the specified range, replace the fire extinguisher bottle.

**K. Follow-on**

**SUBTASK 840-003-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 501



EM145AMM260302A.DGN

