

## ENGINE FIRE EXTINGUISHING BOTTLE - ADJUSTMENT/TEST

*EFFECTIVITY: ALL*

### 1. General

- A. This section gives the procedures to do the adjustment/test of the engine fire extinguishing bottles.
- 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
26-21-02-700-801-A ◆	ENGINE FIRE EXTINGUISHING BOTTLE - ALL HYDROSTATIC CHECK	
26-21-02-700-802-A ◆	ENGINE FIRE EXTINGUISHING BOTTLE - ALL FUNCTIONAL CHECK	

TASK 26-21-02-700-801-A

EFFECTIVITY: ALL

## 2. ENGINE 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 71-00-00/200	- MAINTENANCE PRACTICES
AMM TASK 26-21-02-000-801-A/400	ENGINE FIRE-EXTINGUISHING BOTTLE - REMOVAL
AMM TASK 26-21-02-400-801-A/400	ENGINE FIRE-EXTINGUISHING 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 71-00-00/200](#) 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:
  - FIRE EXTG BTL A 1/2.
  - FIRE EXTG BTL B 1/2.
- (2) Install the ladder in the work area.
- (3) Open the access panel 312AR (AMM MPP 06-42-00/100) to get access to the tail cone compartment.
- (4) Remove the engine fire extinguishing bottle ([AMM TASK 26-21-02-000-801-A/400](#)).

J. Perform Hydrostatic Check of the Engine Fire Extinguishing Bottle

*SUBTASK 720-002-B*

- (1) Do a hydrostatic test of the engine 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 engine fire extinguishing bottle ( [AMM TASK 26-21-02-400-801-A/400](#)).
- (2) On the circuit breaker panel, close the circuit breakers below and remove the DO-NOT-CLOSE tag from them:
  - FIRE EXTG BTL A 1/2.
  - FIRE EXTG BTL B 1/2.
- (3) On the EICAS display, make sure that the messages below are not shown.
  - E1 EXT BTLA INOP.
  - E1 EXT BTLB INOP.
  - E2 EXT BTLA INOP.
  - E2 EXT BTLB INOP.
- (4) Close the access panel 312AR (AMM MPP 06-42-00/100).
- (5) Remove the ladder.

TASK 26-21-02-700-802-A

EFFECTIVITY: ALL

### 3. ENGINE FIRE EXTINGUISHING BOTTLE - FUNCTIONAL CHECK

#### A. General

- (1) To do the functional check, it is necessary to remove the engine fire extinguishing bottle from the aircraft.
- (2) You can do the weight check beside/under the aircraft.

#### B. References

REFERENCE	DESIGNATION
<a href="#">AMM TASK 26-21-02-000-801-A/400</a>	ENGINE FIRE-EXTINGUISHING BOTTLE - REMOVAL
<a href="#">AMM TASK 26-21-02-400-801-A/400</a>	ENGINE FIRE-EXTINGUISHING BOTTLE - INSTALLATION

#### C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
312	312AR	Tail cone compartment

#### D. Tools and Equipment

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

#### E. Auxiliary Items

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Ladder	To give 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 840-002-A*

- (1) On the circuit breaker panel, open the circuit breakers that follow and attach a DO-NOT-CLOSE tag to them.
  - FIRE EXTG BTL A 1/2.
  - FIRE EXTG BTL B 1/2.
- (2) Put the ladder in the work area.
- (3) Remove the engine fire extinguishing bottle ([AMM TASK 26-21-02-000-801-A/400](#)).

J. Engine Fire Extinguishing Bottle - Weight and Pressure Check ([Figure 501](#))

*SUBTASK 720-003-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) Weigh the engine fire extinguisher bottle (1) as follows:
  - (a) Put a cradle on the Weighing Scale. Adjust the weighing scale to zero.

NOTE: You can use equivalent materials for these items.
  - (b) Remove all protective caps from the unit and put the unit on the scale.
  - (c) Weigh the unit. Adjust the accuracy of the weighing scale to nearest 0.005 kg (0.01 lb).

NOTE: • The weight on the identification plate (2) does not include the protective caps.
  - (d) Compare the current weight of the engine fire extinguishing bottle (1) to the last weight written on the identification plate (2). If the engine fire extinguishing bottle weight is more than 0.05 kg (0.10 lb) below or above the last recorded weight, replace the engine fire extinguishing bottle (1).
  - (e) Install the protective caps.
- (2) Examine the pressure gauge of the engine fire extinguishing bottle (1) as follows:
  - (a) Do the check of the pressure indication of the engine fire extinguishing bottle (1). The pressure indication must be in the range shown in the data plate (3).

NOTE: Refer to the data plate (3) that shows the specified information about temperature - pressure range.

- 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 engine fire extinguishing bottle.

K. Follow-on

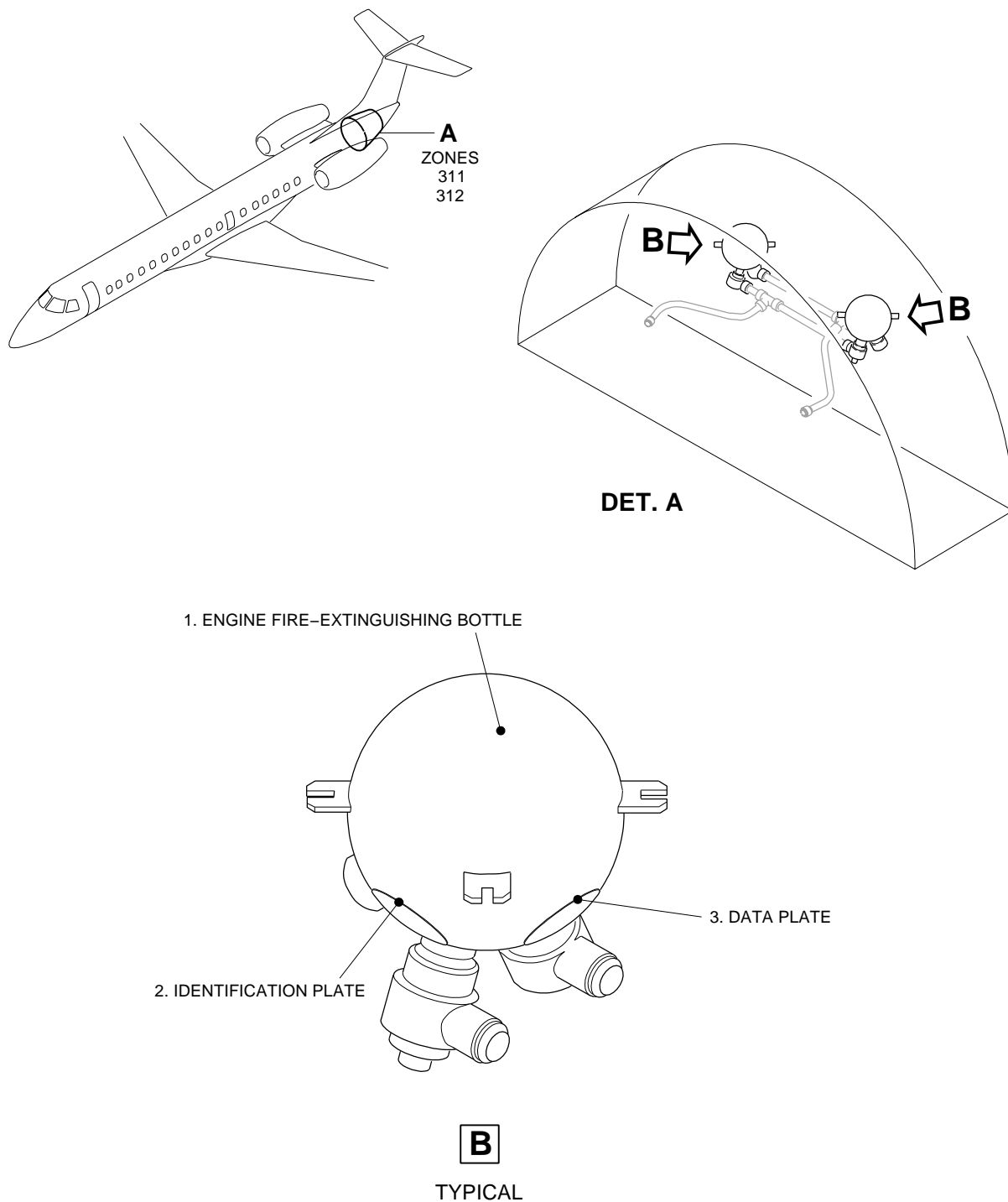
*SUBTASK 840-003-A*

- (1) Install the engine-fire extinguishing bottle ( [AMM TASK 26-21-02-400-801-A/400](#)).
- (2) Remove the ladder from the work area.
- (3) On the circuit breaker panel, close the circuit breakers that follow and remove the DO-NOT-CLOSE tag from them:
  - FIRE EXTG BTL A 1/2.
  - FIRE EXTG BTL B 1/2.

EFFECTIVITY: ALL

Engine Fire Extinguishing Bottle

Figure 501



EM145AMM260301A.DGN

