

EMB145 – EMB135

AIRCRAFT
MAINTENANCE MANUAL

BAGGAGE-COMPARTMENT FIRE EXTINGUISHER BOTTLES - ADJUSTMENT/TEST

EFFECTIVITY: CLASS-C BAGGAGE COMPARTMENT

1. General

- A. This section gives the procedures to do the hydrostatic check of the baggage-compartment fire-extinguisher bottles (high rate and metering).
- 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
26-23-01-700-801-A ♦	BAGGAGE FIRE EXTINGUISHER BOTTLES (HIGH RATE AND METERING)- HYDROSTATIC CHECK	CLASS-C BAGGAGE COMPARTMENT
26-23-01-720-801-A ♦	Baggage-Compartment Fire-Extinguisher Bottles (High Rate and Metering) - Weight Check	CLASS-C BAGGAGE COMPARTMENT



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TASK 26-23-01-700-801-A

EFFECTIVITY: CLASS-C BAGGAGE COMPARTMENT

2. **BAGGAGE FIRE EXTINGUISHER BOTTLES (HIGH RATE AND METERING)- HYDROSTATIC CHECK**

A. General

- (1) To do the inspection, it is necessary to remove the fire extinguisher bottles from the aircraft.
- (2) To do the check, obey the instructions in the Pacific Scientific CMM ATA 26-23-46 (for high-rate bottle) and Pacific Scientific CMM ATA 26-23-47 (for metering bottle).

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
AMM TASK 26-23-01-000-801-A/400	BAGGAGE FIRE EXTINGUISHER BOTTLES - REMOVAL
AMM TASK 26-23-01-400-801-A/400	BAGGAGE FIRE EXTINGUISHER BOTTLES - INSTALLATION
Pacific Scientific CMM ATA 26-23-46	-
Pacific Scientific CMM ATA 26-23-47	-
TASK 20-10-02-200-801-A	-

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
272	272DR	Electronic compartment

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

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

F. Consumable Materials

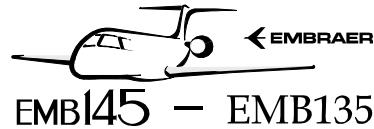
Not Applicable

G. Expandable Parts

Not Applicable

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Electronic compartment



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I. Preparation

SUBTASK 841-002-A

- (1) On the circuit breaker panel, open the BAGGAGE FIRE EXTG circuit breaker and attach a DO-NOT-CLOSE tag to it.
- (2) Put the ladder in the work area.
- (3) Open access door 272DR (AMM MPP 06-41-01/100) to get access to the electronic compartment.
- (4) Remove the baggage-compartment fire-extinguisher bottles ([AMM TASK 26-23-01-000-801-A/400](#)).

J. Hydrostatic Check of Baggage Compartment Fire Extinguishing Bottles (high-rate and metering)

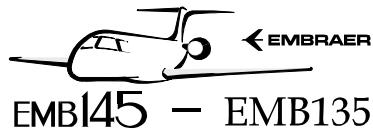
SUBTASK 720-002-A

- (1) For the hydrostatic test of the fire-extinguisher high-rate bottle, send the fire extinguishing bottle to a repair shop which will obey the instructions on the latest revision of the Pacific Scientific CMM ATA 26-23-46 to put the fire-extinguisher high-rate bottle back to a serviceable condition..
- (2) For the hydrostatic test of the fire-extinguisher metering bottle, send the fire-extinguishing metering bottle to a repair shop which will obey the instructions on the latest revision of the Pacific Scientific CMM ATA 26-23-47 to put the fire-extinguisher metering bottle back to a serviceable condition.

K. Follow-on

SUBTASK 842-002-A

- (1) Install a safety wire on the swivel nut of the discharge outlet of the bottles (TASK 20-10-02-200-801-A).
- (2) Install the baggage-compartment fire-extinguisher bottles ([AMM TASK 26-23-01-400-801-A/400](#)).
- (3) Close access door 272DR (AMM MPP 06-41-01/100).
- (4) On the circuit breaker panel, close the BAGGAGE FIRE EXTG circuit breaker and remove the DO-NOT-CLOSE tag from it.
- (5) Remove the ladder from the work area.



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TASK 26-23-01-720-801-A

EFFECTIVITY: CLASS-C BAGGAGE COMPARTMENT

3. Baggage-Compartment Fire-Extinguisher Bottles (High Rate and Metering) - Weight Check

A. General

- (1) To do this inspection, it is necessary to remove the baggage-compartment fire-extinguisher bottles (High-rate and Metering) from the aircraft.
- (2) The weight check can be performed beside/under the aircraft.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
AMM TASK 26-23-01-000-801-A/400	BAGGAGE FIRE EXTINGUISHER BOTTLES - REMOVAL
AMM TASK 26-23-01-400-801-A/400	BAGGAGE FIRE EXTINGUISHER BOTTLES - INSTALLATION
Pacific Scientific CMM 26-23-47	-
Pacific Scientific CMM 26-23-46	-
TASK 20-10-02-200-801-A	-

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
272	272DR	Electronic compartment

D. Tools and Equipment

ITEM	DESCRIPTION	PURPOSE	QTY
Pacific Scientific	Cradle, Fire Extinguisher (P/N 83000373)	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

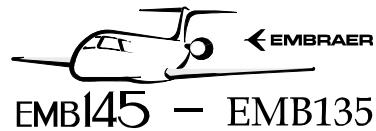
ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Ladder	To get access to the electronic compartment	1

F. Consumable Materials

Not Applicable

G. Expandable Parts

Not Applicable



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H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Electronic Compartment

I. Preparation

SUBTASK 840-002-A

- (1) On the circuit breaker panel, open the BAGGAGE FIRE EXTG circuit breaker and attach a DO-NOT-CLOSE tag to it.
- (2) Put the ladder in the work area.
- (3) Open access door 272DR (AMM MPP 06-41-01/100) to get access to the electronic compartment.
- (4) Remove the baggage-compartment fire-extinguisher bottles ([AMM TASK 26-23-01-000-801-A/400](#)).

NOTE: Install a protective cap only on the cartridge located at the discharge outlet. It is not necessary to install protective caps on the other disconnected points. The weight check must be done without protective caps installed.

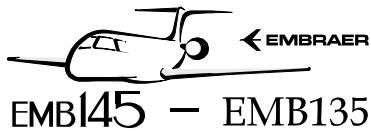
J. Baggage-Compartment Fire-Extinguisher Bottles (High Rate and Metering) - Weight Check ([Figure 501](#))

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) Do the weight check of the baggage-compartment fire-extinguisher bottles, High-rate (1) and Metering (2). You can refer to the last revision of Pacific Scientific CMM 26-23-46 (for High-rate) and Pacific Scientific CMM 26-23-47 (for Metering), 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. Adjust the accuracy of the weighing scale near 0.005 kg (0.01 lb).
 - (d) Compare the current weight to the last weight recorded on the identification plate.



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- 1 If the weight is less than 0.05 kg (0.10 lb) below or above the last recorded weight, it is with 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 (high rate and/or metering).

K. Follow-on

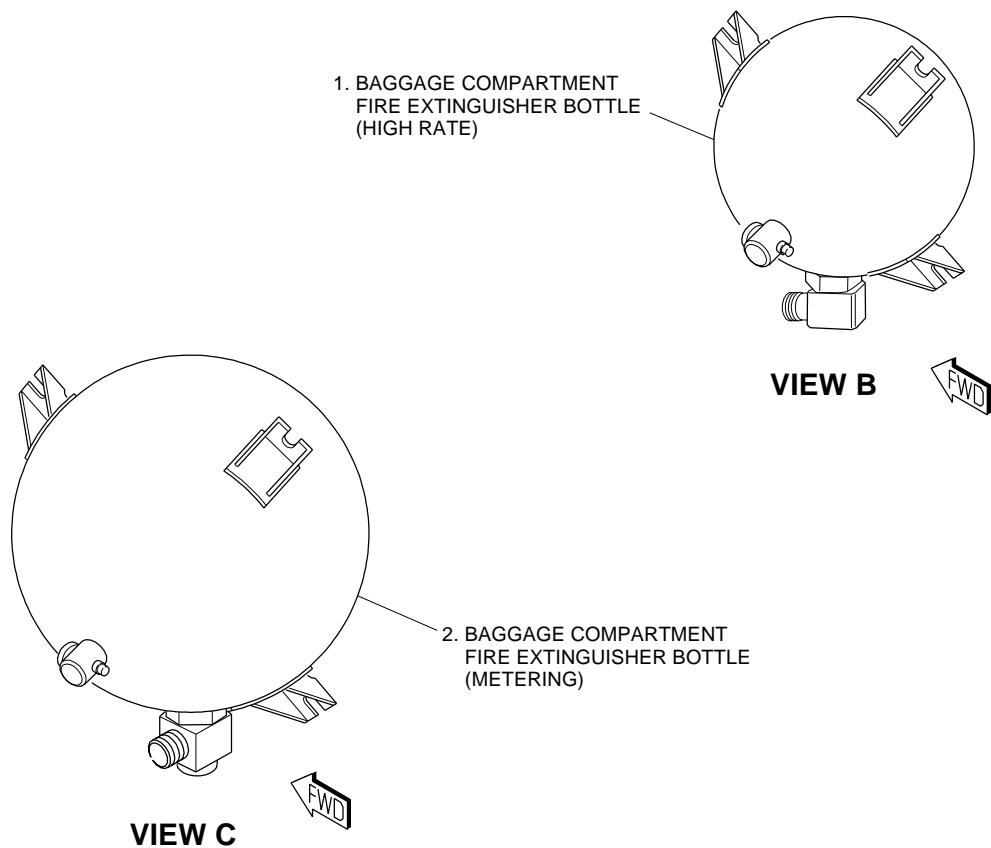
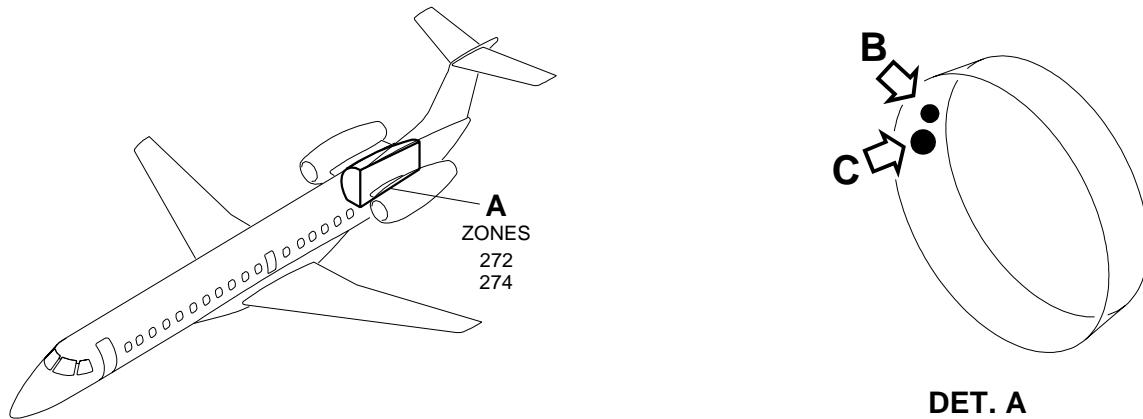
SUBTASK 840-003-A

- (1) Install a safety wire on the swivel nut of the discharge outlet of the bottles (TASK 20-10-02-200-801-A).
- (2) Install the baggage-compartment fire-extinguisher bottles ([AMM TASK 26-23-01-400-801-A/400](#)).
- (3) Close access door 272DR (AMM MPP 06-41-01/100).
- (4) Remove the ladder from the work area.
- (5) On the circuit breaker panel, make sure that the BAGGAGE FIRE EXTG circuit breaker is closed and remove the DO-NOT-CLOSE tag from it.

EFFECTIVITY: CLASS-C BAGGAGE COMPARTMENT

Baggage-Compartment Fire-Extinguisher Bottles (High-rate and Metering)

Figure 501



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