

FLASHLIGHT - ADJUSTMENT/TEST

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to do the check of the flashlight assembly.
- 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 |
|----------------------|--------------------------------|---|
| 33-51-01-700-802-A ◆ | FLASHLIGHTS - FUNCTIONAL CHECK | AIRCRAFT WITH RE-CHARGEABLE FLASH-LIGHT |
| 33-51-01-700-803-A ◆ | FLASHLIGHTS - FUNCTIONAL CHECK | AIRCRAFT WITH NON-RECHARGEABLE FLASHLIGHT |

TASK 33-51-01-700-802-A

EFFECTIVITY: AIRCRAFT WITH RECHARGEABLE FLASHLIGHT

2. FLASHLIGHTS - FUNCTIONAL CHECK

A. General

- (1) For this task, you must do a check of the flashlight assembly and do a test of the battery pack. When the flashlight is on the cradle, its battery is automatically charged. To do the test of the battery pack, it is necessary to charge it to full capacity before and after the test, before you put the battery back to service. It is possible to do this task on the workbench or on the aircraft. It is important to know that this functional check takes a minimum of 25 hours, on the workbench or on the aircraft.

B. References

| REFERENCE | DESIGNATION |
|---|------------------------------------|
| AMM TASK 33-50-16-000-801-A/400 | FLASHLIGHT ASSEMBLY - REMOVAL |
| AMM TASK 33-50-16-400-801-A/400 | FLASHLIGHT ASSEMBLY - INSTALLATION |
| CMM 25-60-11 (DME Corporation) | - |

C. Zones and Accesses

| ZONE | PANEL/DOOR | LOCATION |
|------|------------|---|
| 224 | | Copilot console |
| 223 | | Cockpit partition, behind the pilot seat |
| 223 | | Cockpit partition, over the attendant seat |
| 262 | | Toilet forward partition, behind the last double seat |

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

Not Applicable

F. Consumable Materials

Not Applicable

G. Expandable Parts

Not Applicable

H. Persons Recommended

| QTY | FUNCTION | PLACE |
|-----|---------------|-----------------------------|
| 1 | Does the task | Cockpit and passenger cabin |

I. Preparation

SUBTASK 841-006-A

- (1) Make sure that the battery pack is charged to full capacity before the test.

NOTE: You must charged the battery for a minimum of 24 hours to make sure that the battery pack is charged to full capacity.

J. Flashlight Functional Check ([Figure 501](#))

SUBTASK 720-004-A

EFFECTIVITY: AIRCRAFT WITH RECHARGEABLE FLASHLIGHT

- (1) To do the functional check of the flashlight assembly on the workbench, do as follows:

- (a) Remove the flashlight assembly ([AMM TASK 33-50-16-000-801-A/400](#)).

NOTE: It is possible to put other flashlight assembly in conditions for flight in place ([AMM TASK 33-50-16-400-801-A/400](#)).

- (b) Refer to the last revision of CMM 25-60-11 (DME Corporation) to do the functional check of the flashlight assembly.

NOTE: In the CMM 25-60-11 (DME Corporation) the flashlight assembly is identified as flashlight system.

- (2) To do the functional check of the flashlight assembly in the airplane, do as follows:

- (a) Pull the flashlight (5), bottom first, off the cradle (3).
 - (b) Make sure that the cradle (3) is tight and attached to the structure.
 - (c) Make sure that the battery (7) has no electrolyte leakage, swelling, bulging, or signs of corrosion of exposed metal.
 - (d) Turn on the flashlight (5) and do as follows:
 - 1 Make sure that the battery will supply a minimum of 30 minutes of useful light.

NOTE: The term useful light means that the intensity of the flashlight system is sufficient to do the tasks and/or jobs in which the flashlight is necessary (no measurement is necessary).
 - 2 Discharge the battery (keep it on).
 - 3 Replace the battery if it does not supply 30 minutes of useful light.
 - (e) Set the flashlight to off.
 - (f) Examine the O-rings (4) for cracks, nicks or other signs of damage.
 - (g) Examine all wires (6) in the battery compartment.
 - (h) Remove the flashlight assembly ([AMM TASK 33-50-16-000-801-A/400](#)).

- 1 Examine the open wires external to the bracket and the open wires external to the system (open/free the wiring between the bracket and the electrical

buss connection) (1) for signs of insulation, damage or degradation. Wires that were immobilized in wire bundles it is not necessary to examine.

2 Examine all electrical connectors (2) for signs of too much wear or damage.

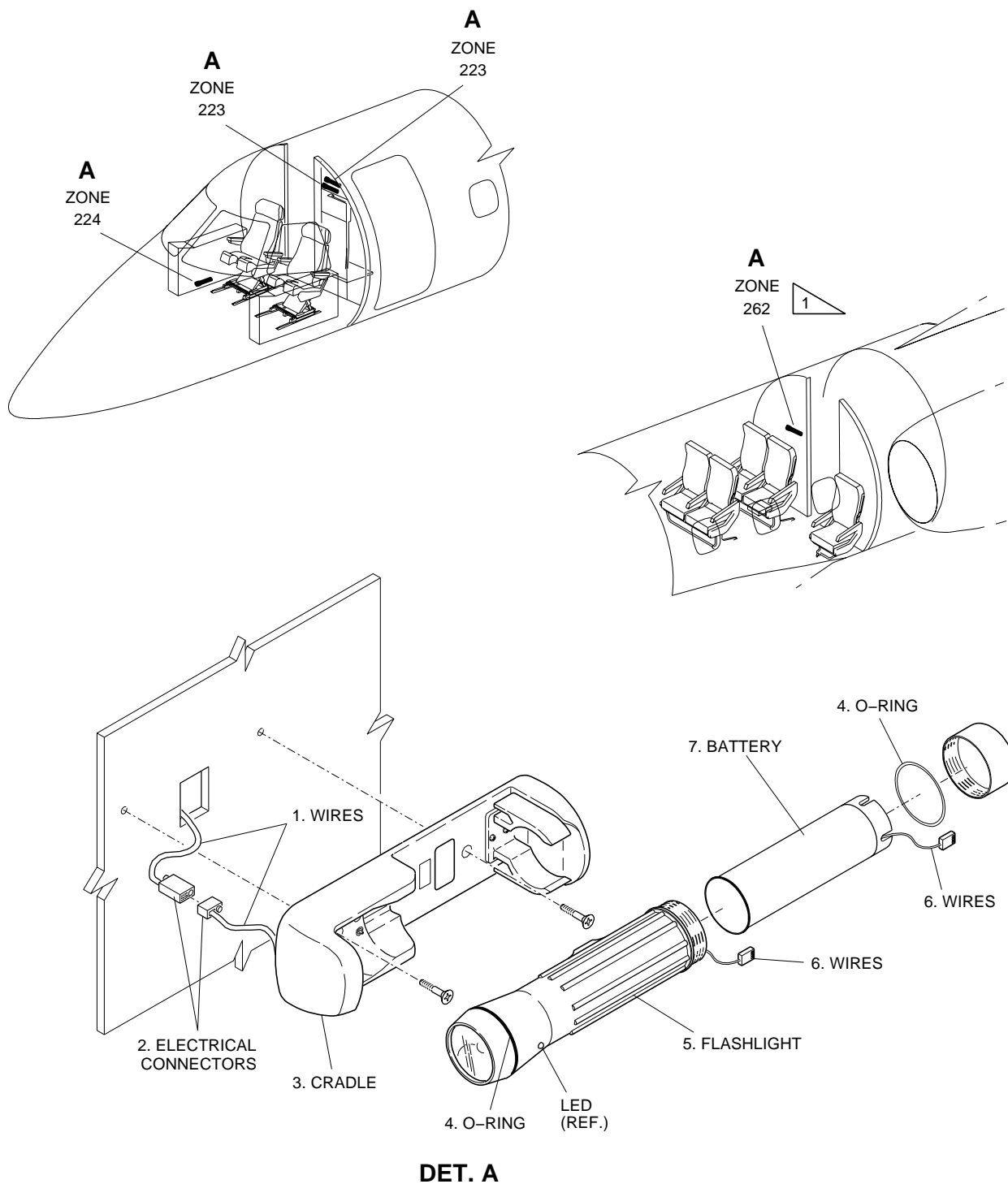
3 Examine the flashlight (5) and cradle (3) for signs of overheating or material damage (nicks, cracks, abrasions).

- (i) Install the flashlight assembly to the aircraft ([AMM TASK 33-50-16-400-801-A/400](#)).
- (j) Charge the serviceable battery for a minimum of 24 hours before you put the battery back to service.

EFFECTIVITY: AIRCRAFT WITH RECHARGEABLE FLASHLIGHT

Flashlights - Functional Check

Figure 501



1 FOR AIRCRAFT WITH FLASHLIGHT ON THE TOILET FORWARD PARTITION.

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TASK 33-51-01-700-803-A

EFFECTIVITY: AIRCRAFT WITH NON-RECHARGEABLE FLASHLIGHT

3. FLASHLIGHTS - FUNCTIONAL CHECK

A. General

- (1) This task gives the procedures to do the functional check of the flashlight.
- (2) The electronic monitoring circuit in the flashlight body gives an indication of battery pack readiness and lamp integrity through a flashing light-emitting diode (LED), on the head of the flashlight. The LED flashes at regular intervals. Flashing intervals longer than 5 seconds are a sign of low battery power.

B. Zones and Accesses

| ZONE | PANEL/DOOR | LOCATION |
|------|------------|---|
| 224 | | Copilot console |
| 223 | | Cockpit partition, behind the pilot seat |
| 223 | | Cockpit partition, over the attendant seat |
| 262 | | Toilet forward partition, behind the last double seat |

C. Tools and Equipment

Not Applicable

D. Auxiliary Items

Not Applicable

E. Consumable Materials

Not Applicable

F. Expandable Parts

Not Applicable

G. Persons Recommended

| QTY | FUNCTION | PLACE |
|-----|---------------|-----------------------------|
| 1 | Does the task | Cockpit and passenger cabin |

H. Flashlight Functional Check ([Figure 502](#))

SUBTASK 720-006-A

EFFECTIVITY: AIRCRAFT WITH NON-RECHARGEABLE FLASHLIGHT

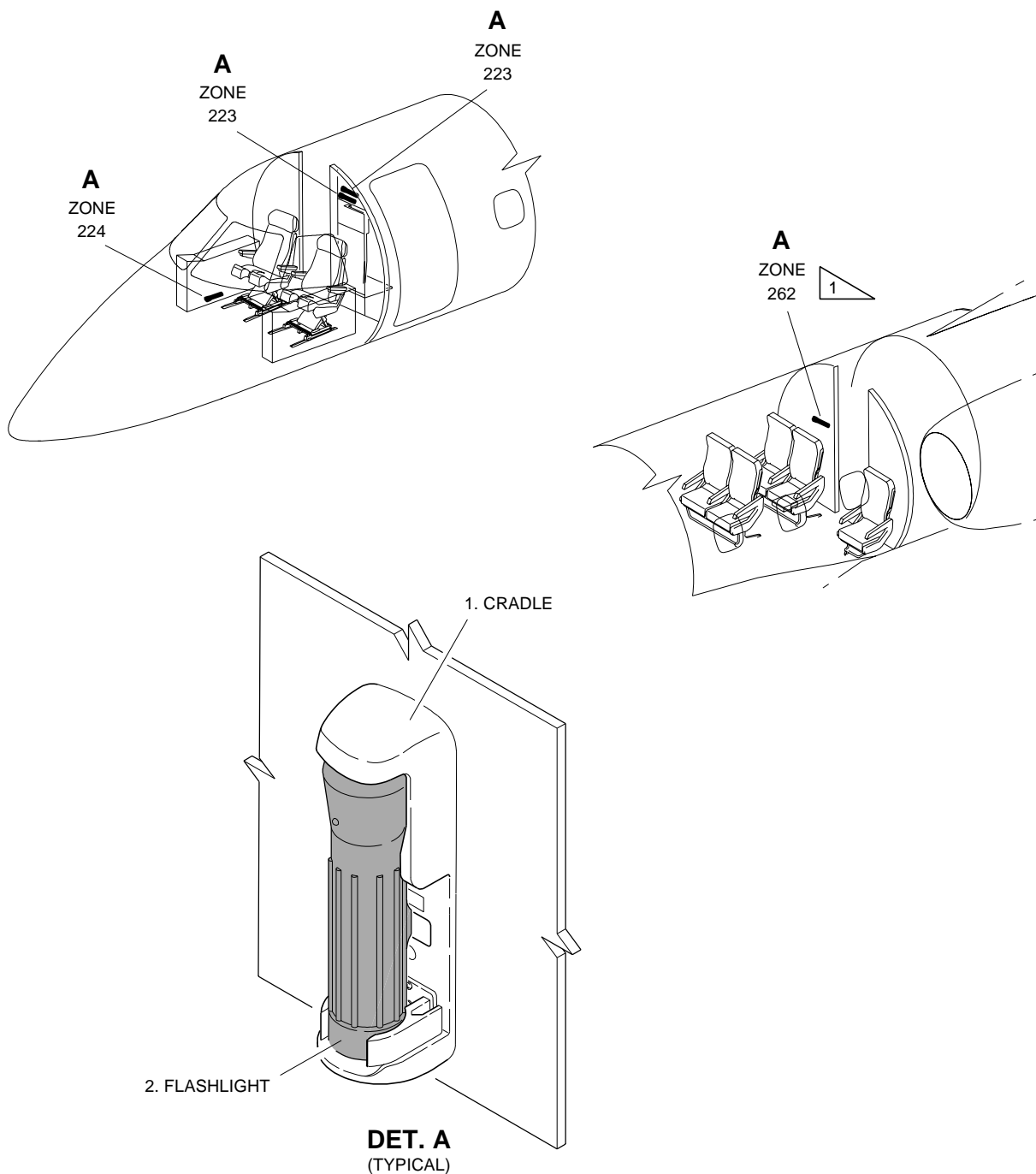
- (1) Examine the flashlights (2). Make sure that the flashing interval of the LED on the flashlight body is up to five seconds and that it can be easily seen in normal lighting conditions.

NOTE: It is not necessary to remove the flashlight (2) from its cradle (1).

EFFECTIVITY: AIRCRAFT WITH NON-RECHARGEABLE FLASHLIGHT

Flashlights - Functional Check

Figure 502



1 FOR AIRCRAFT WITH FLASHLIGHT ON THE TOILET FORWARD PARTITION.

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