

CVR UNDERWATER LOCATOR BEACON - ADJUSTMENT/TEST

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to do an operational test on the CVR underwater locator beacon (ULB).
- 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
23-71-02-700-801-A ◆	CVR UNDERWATER LOCATOR BEACON - OPERATIONAL TEST	ALL

TASK 23-71-02-700-801-A

EFFECTIVITY: ALL

2. CVR UNDERWATER LOCATOR BEACON - OPERATIONAL TEST

A. General

- (1) This task gives the procedures to test the underwater locator beacon (ULB).
- (2) (AIRCRAFT WITH HONEYWELL CVR INSTALLED) Data related to this operational test and alternative procedures are available on Honeywell CMM 23-70-44.
- (3) (AIRCRAFT WITH L3 CVR INSTALLED) Data related to this operational test and alternative procedures are available on L3 CMM 23-70-04.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
AMM TASK 23-71-02-000-801-A/400	CVR UNDERWATER LOCATOR BEACON - REMOVAL
AMM TASK 23-71-02-400-801-A/400	CVR UNDERWATER LOCATOR BEACON - INSTALLATION
Honeywell CMM 23-70-44	-
L3 CMM 23-70-04	-

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
272	272DR	Fuselage rear section I - Right side

D. Tools and Equipment

ITEM	DESCRIPTION	PURPOSE	QTY
GSE 036	Platform - Hydraulic, Aircraft	To get access to the rear electronic compartment	
GSE 050	Digital Multimeter	To measure the ULB battery voltage	
GSE 605	Ultrasonic Test Set	To test the ULB	

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	Rear electronic compartment

I. Preparation

SUBTASK 841-002-A

- (1) Put the hydraulic platform (GSE 036) at the necessary height.
- (2) Open access door 272DR (AMM MPP 06-41-01/100).
- (3) Remove the underwater locator beacon ([AMM TASK 23-71-02-000-801-A/400](#)).

NOTE: • (AIRCRAFT WITH HONEYWELL CVR INSTALLED) If the date marked on the ULB is expired or almost expired, send the ULB back to the manufacturer for servicing. Refer to the last revision of Honeywell CMM 23-70-44.

• (AIRCRAFT WITH L3 CVR INSTALLED) If the date marked on the ULB is expired or almost expired, send the ULB back to the manufacturer for servicing. Refer to the last revision of L3 CMM 23-70-04.

- (4) Make sure the ULB is clean and dry.

J. CVR ULB - Operational Test ([Figure 501](#)) ([Figure 502](#))

SUBTASK 710-002-A

- (1) Do the test of the ULB battery as follows: ([Figure 501](#))
 - (a) (AIRCRAFT WITH TELEDYNE-BENTHOS ULB BATTERY) With a multimeter (GSE 050) (3), measure the voltage between the ULB case (1) and the water activation switch (2). If the battery voltage is below 6.00 V, replace the ULB (1) with a serviceable unit.
 - (b) (AIRCRAFT WITH ULB BATTERY DIFFERENT FROM TELEDYNE-BENTHOS) With a multimeter (GSE 050) (3), measure the voltage between the ULB case (1) and the water activation switch (2). If the battery voltage is below 2.97 V, replace the ULB (1) with a serviceable unit.
- (2) Do the operational test of the ULB (1) as follows: ([Figure 502](#))
 - (a) Configure the Ultrasonic Test Set (GSE 605) (5) as follows:
 1. Turn the GAIN knob (4) fully clockwise to turn the Ultrasonic Test Set (5) on and to select the maximum gain.
 2. Turn the TUNING knob (7) to a setting between 35 and 40 kHz.
 3. If available on the Ultrasonic Test Set model, set the INPUT switch to INT.
 - (b) Use an electric lead (3) to establish a short-circuit between the ULB case (1) and the water activation switch (2).
 - (c) Put the Ultrasonic Test Set (5) next to the ULB (1).

Result:

- 1 The Ultrasonic Test Set (5) receives, through its microphone (8), the inaudible ultrasonic waves emitted by the ULB (1) and reproduces the signal as repetitive beeps through its speaker (6).

- NOTE:
- In a setting between 35 and 40 kHz, adjust the TUNNING knob (7) as necessary to have the best signal.
 - Adjust the GAIN knob (4) as necessary for a comfortable listening level.

- (d) Remove the electric lead (3) to stop the short-circuit in the ULB (1).
- (e) Turn the GAIN knob (4) fully counterclockwise to turn the Ultrasonic Test Set (5) off.

- NOTE:
- (AIRCRAFT WITH HONEYWELL CVR INSTALLED) If the test results are not satisfactory, send the ULB back to the manufacturer for servicing. Refer to the last revision of Honeywell CMM 23-70-44.
 - (AIRCRAFT WITH L3 CVR INSTALLED) If the test results are not satisfactory, send the ULB back to the manufacturer for servicing. Refer to the last revision of L3 CMM 23-70-04.

K. Follow-on

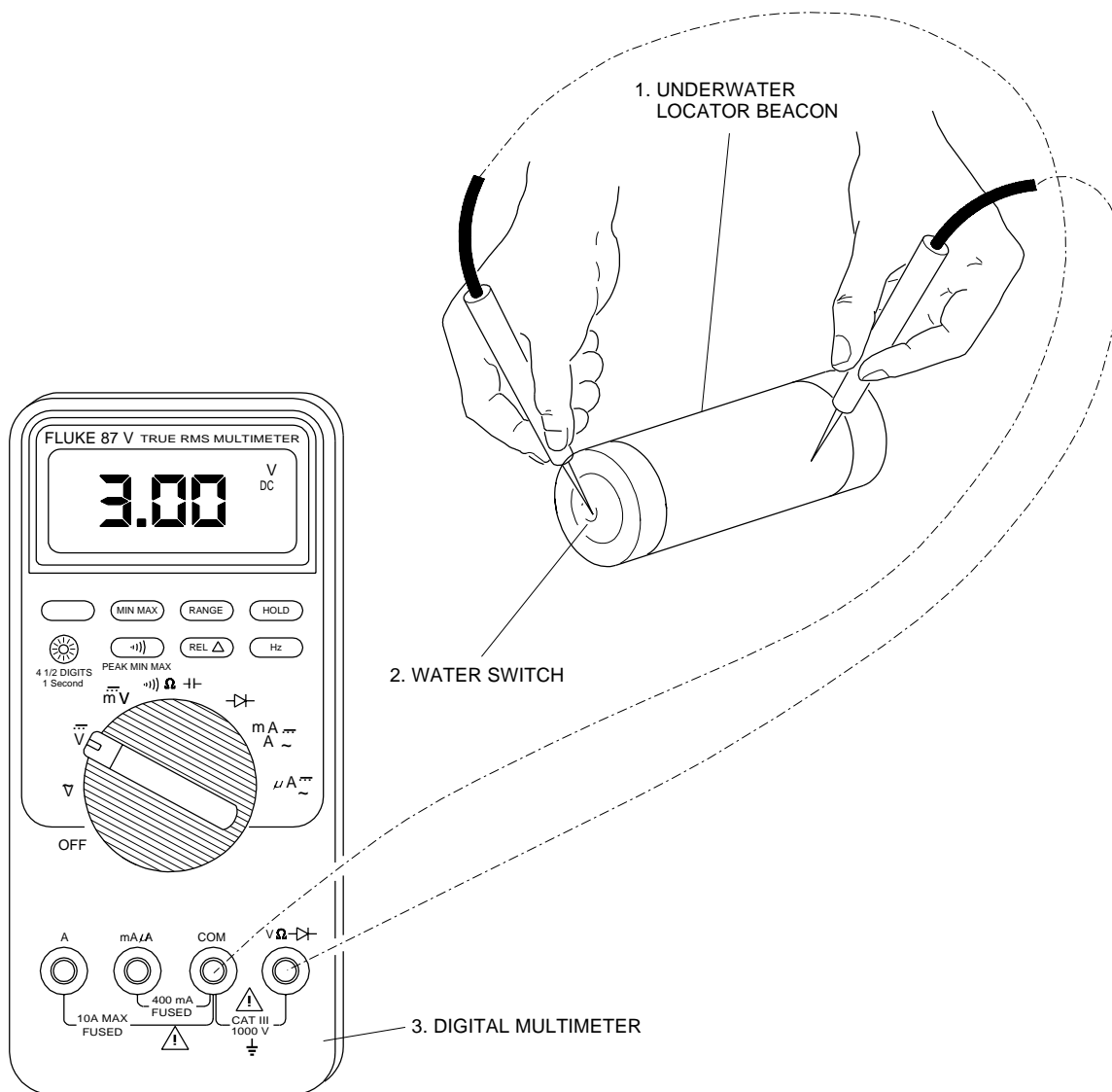
SUBTASK 842-002-A

- (1) Install the ULB ([AMM TASK 23-71-02-400-801-A/400](#)).
- (2) Close access door 272DR (AMM MPP 06-41-01/100).
- (3) Remove the hydraulic platform (GSE 036).

EFFECTIVITY: ALL

CVR UNDERWATER LOCATOR BEACON - BATTERY TEST

Figure 501

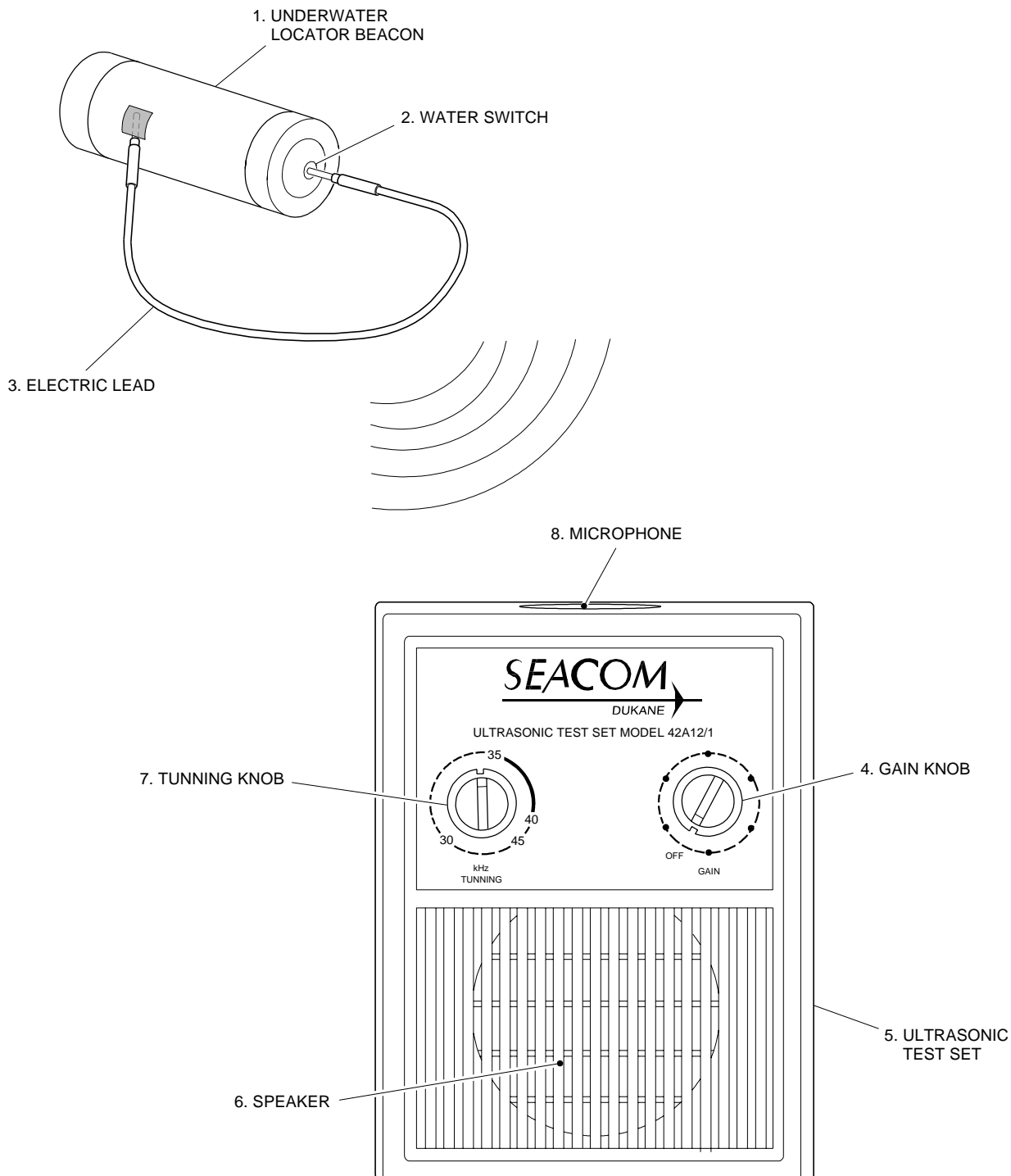


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EFFECTIVITY: ALL

CVR UNDERWATER LOCATOR BEACON - OPERATIONAL TEST

Figure 502



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