



AIRCRAFT
MAINTENANCE MANUAL

ICU INHIBITION MICROSWITCH - ADJUSTMENT/TEST

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to adjust the ICU inhibition microswitch.
- B. These procedures are applicable to ICU1 and ICU2, which are installed in the fuselage tail cone.
- C. 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
78-33-02-820-801-A	ICU INHIBITION MICROSWITCH - ADJUSTMENT/TEST	ALL



EMB145 - EMB135

AIRCRAFT
MAINTENANCE MANUAL

TASK 78-33-02-820-801-A

EFFECTIVITY: ALL

2. ICU INHIBITION MICROSWITCH - ADJUSTMENT/TEST

A. General

- (1) For this adjustment procedure, it is necessary to remove the ICU from the aircraft.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-42-00/100	-
AMM TASK 78-33-01-000-801-A/400	ISOLATION CONTROL UNIT (ICU) - REMOVAL
AMM TASK 78-33-01-400-801-A/400	ISOLATION CONTROL UNIT (ICU) - INSTALLATION

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
225	225DTC	Cockpit
312	312AR	Rear Fuselage II

D. Tools and Equipment

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Multimeter	To do the continuity test	

E. Auxiliary Items

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Ladder	To get access to rear fuselage II	

F. Consumable Materials

Not Applicable

G. Expandable Parts

Not Applicable

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	In the work area

I. Preparation

SUBTASK 841-002-A

- (1) On the circuit breaker panel, open these circuit breakers and attach a DO-NOT-CLOSE tag to them:

- THRUST REVERSER 1/2.
 - HYD. ELEC. PUMP 1/2.
- (2) Put a DO-NOT-OPERATE-THE-THRUST-REVERSERS sign on the instrument panel, in the cockpit.
- (3) Put the ladder near the tail cone.
- (4) Open access panel 312AR (AMM MPP 06-42-00/100) to get access to the ICU.
- (5) Remove the ICU ([AMM TASK 78-33-01-000-801-A/400](#)).

J. Adjustment/Test

SUBTASK 820-002-A

- (1) Put the inhibition lever (1) in the inhibit position, and then install the quick release pin (2) through the lever housing to lock the lever (3).
- (2) Do a check in the ICU electrical connector (4) to find a short circuit between pins 3 (common) and 1, and an open circuit between pins 4 (common) and 6.
- (3) Release the inhibition lever, and then do a check to find an open circuit between pins 3 and 1, and a short circuit between pins 4 and 6.
- (4) If the results referred to above are not found, find them as follows: cut the lockwire between the locknuts, loosen the locknut (8), washer (7), and tabwasher (6), and adjust the inhibit switch locknut (5).
- (5) Attach the inhibit switch (9) with the tabwasher (6), washer (7) and torque-tighten the locknut (8).
- (6) Lockwire the locknuts.

K. Follow-on

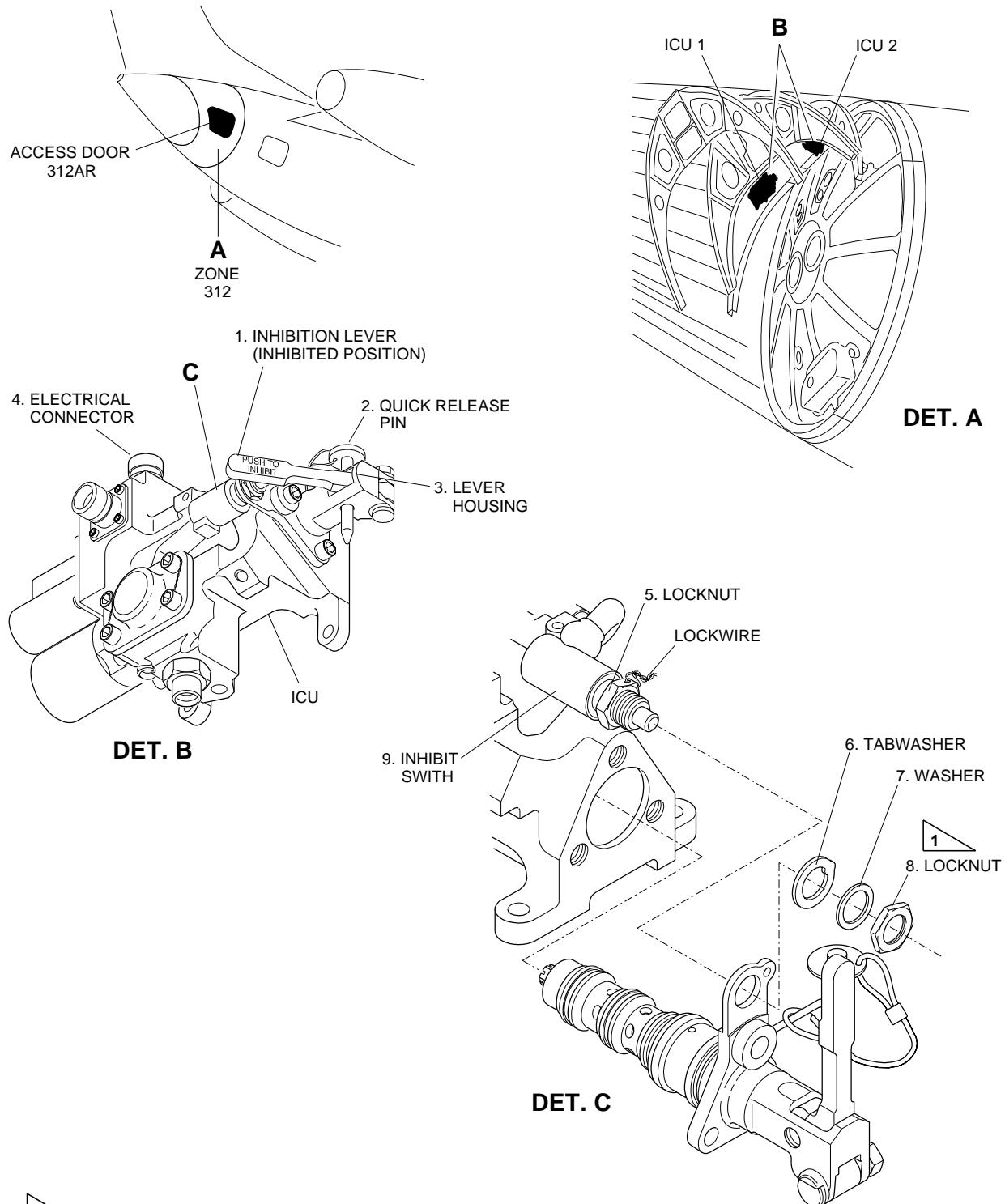
SUBTASK 842-002-A

- (1) Install the ICU ([AMM TASK 78-33-01-400-801-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:
- THRUST REVERSER 1/2.
 - HYD. ELEC. PUMP 1/2.
- (5) Remove the DO-NOT-OPERATE-THE-THRUST-REVERSERS sign from the instrument panel, in the cockpit.

EFFECTIVITY: ALL

ICU Inhibit Switch - Adjustment/Test

Figure 501



TORQUE: 7.29 N.m TO 8.91 N.m (64.52 lb.in TO 78.86 lb.in)

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