

## ICU FILTER ELEMENT - REMOVAL/INSTALLATION

*EFFECTIVITY: ALL*

1. General

- A. This section gives the procedures to remove and install the ICU filter element.
- 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
78-33-03-000-801-A	ICU FILTER ELEMENT - REMOVAL	ALL
78-33-03-400-801-A	ICU FILTER ELEMENT - INSTALLATION	ALL

TASK 78-33-03-000-801-A

EFFECTIVITY: ALL

## 2. ICU FILTER ELEMENT - REMOVAL

### A. General

- (1) For this removal, it is necessary to remove the applicable ICU from the aircraft.
- (2) Refer to the instructions given in the latest revision of Lucas Aerospace CMM 78-30-54 to remove the filter element from the ICU.

### B. References

REFERENCE	DESIGNATION
AMM MPP 06-42-00/100	-
AMM MPP 78-30-00/200	- MAINTENANCE PRACTICES
AMM TASK 29-10-00-860-801-A/200	HYDRAULIC SYSTEM - PRESSURIZATION WITH HTS
AMM TASK 78-33-01-000-801-A/400	ISOLATION CONTROL UNIT (ICU) - REMOVAL

### C. Zones and Accesses

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

### D. Tools and Equipment

Not Applicable

### E. Auxiliary Items

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Ladder	To get access to rear fuselage II	
Commercially available	Container	To catch oil	
Commercially available	Rubber gloves, phosphate ester-base, fluid-resistant	Protection for the hands	1
Commercially available	Rubber goggles, phosphate ester-base, fluid-resistant	Protection for the eyes	1

### 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

**WARNING:** • REFER TO THE GROUND SAFETY PRECAUTIONS GIVEN IN [AMM MPP 78-30-00/200](#) MAINTENANCE PROCEDURES.

- MAKE SURE THAT THE HYDRAULIC TEST STAND IS NOT CONNECTED.
- THE PHOSPHATE-ESTER-BASE OIL IS HIGHLY CORROSIVE AND CAUSES INJURY TO THE EYES AND SKIN. BE CAREFUL NOT TO TOUCH THIS OIL. YOU MUST USE GLOVES AND GOGGLES.

**CAUTION:** • ALWAYS CLEAN THE HYDRAULIC FLUID THAT FALLS FROM THE HYDRAULIC LINES. DAMAGE COULD COME FROM ITS CORROSIVE ACTION.

- USE APPLICABLE CONTAINERS TO COLLECT THE REMAINING FLUIDS FROM THE OPEN LINES, TO KEEP THE WORK AREA CLEAN AND SAFE.

- (1) Put the ladder near the tail cone.
- (2) Open access panel 312AR (AMM MPP 06-42-00/100) to get access to the ICU.
- (3) 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.
- (4) Put a DO-NOT-OPERATE-THE-THRUST-REVERSERS sign on the instrument panel, in the cockpit.
- (5) Make sure that, on the circuit breaker panel, the circuit breakers below are closed:
  - N2 SIGNAL 1A/1B.
  - N2 SIGNAL 2A/2B.
- (6) Make sure that the pressure from the hydraulic system is released ( [AMM TASK 29-10-00-860-801-A/200](#)).
- (7) Remove the ICU ([AMM TASK 78-33-01-000-801-A/400](#)).

J. Removal

SUBTASK 020-002-A

- (1) Remove the ICU filter element. Refer to the last revision of Lucas Aerospace CMM 78-30-54.

TASK 78-33-03-400-801-A

EFFECTIVITY: ALL

### 3. ICU FILTER ELEMENT - INSTALLATION

#### A. General

- (1) Refer to the instructions given in the latest revision of Lucas Aerospace CMM 78-30-54 to install the filter element in the ICU.

#### B. References

REFERENCE	DESIGNATION
AMM MPP 06-42-00/100	-
<a href="#">AMM TASK 78-33-01-400-801-A/400</a>	ISOLATION CONTROL UNIT (ICU) - INSTALLATION
<a href="#">AMM TASK 78-33-01-700-801-A/500</a>	ISOLATION CONTROL UNIT (ICU) - OPERATIONAL CHECK

#### C. Zones and Accesses

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

#### D. Tools and Equipment

Not Applicable

#### 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	Rear fuselage II

#### I. Installation

SUBTASK 420-002-A

- WARNING:**
- **MAKE SURE THAT THE ELECTRICAL POWER SUPPLY IS REMOVED.**
  - **MAKE SURE THAT THE HYDRAULIC TEST STAND IS NOT CONNECTED.**

- (1) Install the ICU filter element. Refer to the latest revision of Lucas Aerospace CMM 78-30-54.

J. Follow-on

*SUBTASK 842-002-A*

- (1) Install the ICU ([AMM TASK 78-33-01-400-801-A/400](#)).
- (2) Install access panel 312AR (AMM MPP 06-42-00/100).
- (3) 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.
- (4) Remove the DO-NOT-OPERATE-THE-THRUST-REVERSERS sign from the instrument panel, in the cockpit.
- (5) Remove the ladder from the work area.
- (6) Do the ICU operational check ([AMM TASK 78-33-01-700-801-A/500](#)).

