

OQAR UNIT - REMOVAL/INSTALLATION

EFFECTIVITY: AIRCRAFT WITH OQAR

1. General

- A. This section gives the procedure to remove/install the Optical Quick-Access Recorder (OQAR) Unit.
- 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 |
|--------------------|--------------------------|--------------------|
| 31-34-02-000-801-A | OQAR UNIT - REMOVAL | AIRCRAFT WITH OQAR |
| 31-34-02-400-801-A | OQAR UNIT - INSTALLATION | AIRCRAFT WITH OQAR |

TASK 31-34-02-000-801-A

EFFECTIVITY: AIRCRAFT WITH OQAR

2. OQAR UNIT - REMOVAL

A. General

- (1) This task gives the procedure to remove the OQAR Unit.
- (2) The OQAR recorder is installed in the rear electronic compartment.

B. References

| REFERENCE | DESIGNATION |
|---------------------------------|-------------|
| AMM TASK 31-34-01-000-801-A/400 | - |

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 290 | OQAR Transit Disk | Protect the optical lens and carriage assembly inside the optical drive | |

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 841-003-A

- (1) On the overhead panel, open the QAR circuit breaker.
- (2) Open door 272DR to get access to the rear electronic compartment.
- (3) Remove the optical disk from the OQAR (AMM TASK 31-34-01-000-801-A/400) if installed .

J. Removal ([Figure 401](#))

SUBTASK 020-003-A

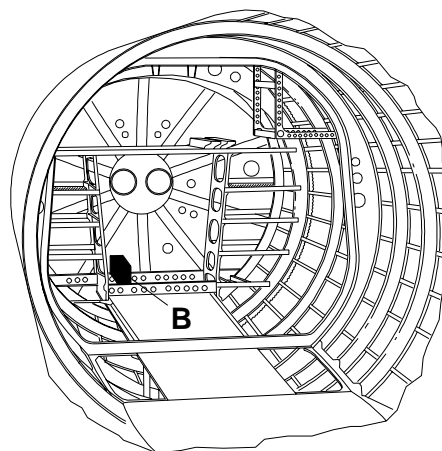
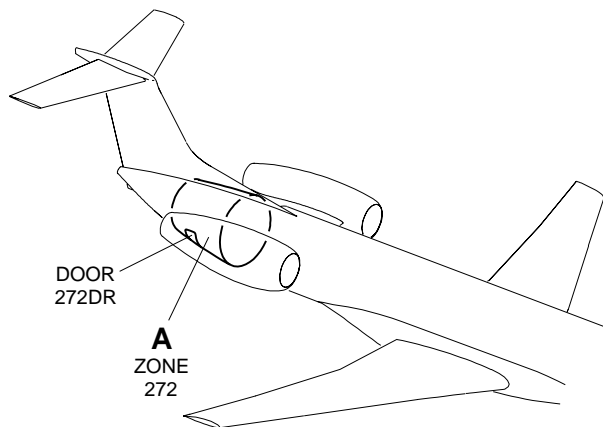
CAUTION: BEFORE THE OQAR IS INSTALLED AND REMOVED, THE QAR CIRCUIT BREAKER MUST BE OPENED TO MAKE SURE THAT NO POWER IS APPLIED TO THE ARINC CONNECTOR IN THE OQAR RACK ASSEMBLY. THIS WILL PREVENT DAMAGE TO THE ARINC CONNECTOR.

- (1) Put the transit disk (GSE 290) into the OQAR drive.
- (2) Turn the tray thumbscrews counterclockwise to disengage them from the equipment hold-down hooks.
- (3) Slowly pull the OQAR recorder handle forward to disconnect the OQAR and tray connectors from each other and slide the unit out of the tray.
- (4) Put the protective cover on the electrical connector.

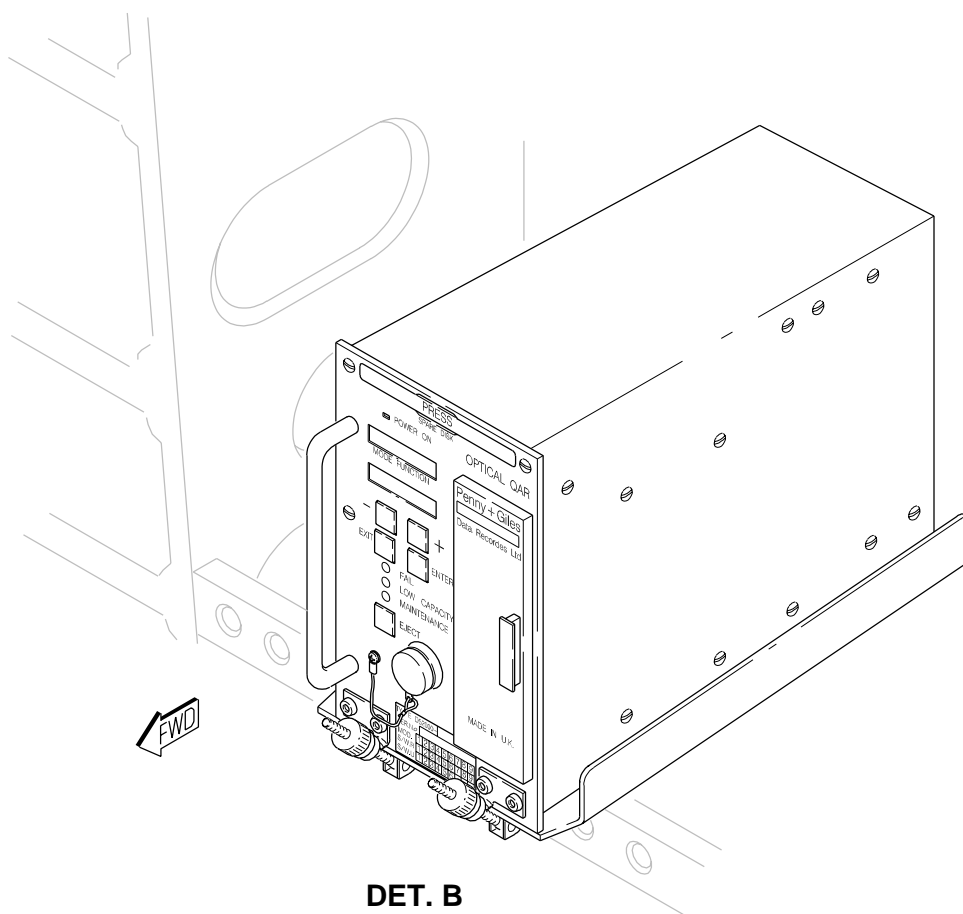
EFFECTIVITY: AIRCRAFT WITH OQAR

OQAR Unit - Removal/Installation

Figure 401



DET. A



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TASK 31-34-02-400-801-A

EFFECTIVITY: AIRCRAFT WITH OQAR

3. OQAR UNIT - INSTALLATION

A. General

- (1) This task gives the procedures to install the OQAR Unit.
- (2) The OQAR recorder is installed in the rear electronic compartment.

B. References

| REFERENCE | DESIGNATION |
|---------------------------------|-------------|
| AMM TASK 31-34-00-700-801-A/500 | - |

C. Zones and Accesses

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

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 | Rear electronic compartment |

I. Installation (Figure 401)

SUBTASK 420-003-A

CAUTION: BEFORE THE OQAR IS INSTALLED AND REMOVED, THE QAR CIRCUIT BREAKER MUST BE OPENED TO MAKE SURE THAT NO POWER IS APPLIED TO THE ARINC CONNECTOR IN THE OQAR RACK ASSEMBLY. THIS WILL PREVENT DAMAGE TO THE ARINC CONNECTOR.

- (1) On the circuit breaker panel, make sure that the QAR circuit breaker is open.
- (2) Put the OQAR into the tray and slide it rearwards until its connector is fully engaged with the mating connector of the tray.
- (3) Put the thumbscrews on the equipment hold-down hooks.

- (4) Screw until the back connector is correctly engaged.
- (5) Remove the transit disk as follows:
 - (a) Open the OQAR front access door.
 - (b) Remove the eject tool which is stored in the SPARE DISK storage drawer.

CAUTION: USE THE MANUAL EJECTION METHOD VERY CAREFULLY TO PREVENT DAMAGE TO THE PARTS OF THE OQAR DRIVE UNIT.
 - (c) Put the eject pin into the pin hole visible at the right bottom side of the optical disk drive.
 - (d) Remove the transit disk.
 - (e) Replace the eject pin in the SPARE DISK storage drawer.

J. Follow-on

SUBTASK 842-003-A

- (1) Do an OQAR operational test (AMM TASK 31-34-00-700-801-A/500).
- (2) Close door 272DR (rear electronic compartment door).