

OQAR DISK - REMOVAL/INSTALLATION

EFFECTIVITY: AIRCRAFT WITH OQAR

1. General

A. This section gives the procedures:

- To remove the optical disk from the OQAR (OQAR Powered and OQAR Unpowered).
- To install the optical disk in the OQAR.

B. The OQAR is installed in the rear electronic compartment.

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
31-34-01-000-801-A	OQAR OPTICAL DISK - REMOVAL (OQAR POWERED)	AIRCRAFT WITH OQAR
31-34-01-400-801-A	OQAR OPTICAL DISK - INSTALLATION	AIRCRAFT WITH OQAR
31-34-01-000-802-A	OQAR OPTICAL DISK - REMOVAL (OQAR UNPOWERED)	AIRCRAFT WITH OQAR

TASK 31-34-01-000-801-A

EFFECTIVITY: AIRCRAFT WITH OQAR

2. OQAR OPTICAL DISK - REMOVAL (OQAR POWERED)

A. General

- (1) This task gives the procedure to remove the recorded data disk from the OQAR with power available (OQAR energized).
- (2) A delay can occur before the disk ejection because it is necessary to flush the data from the non-volatile buffer to the disk.

B. References

REFERENCE	DESIGNATION
AMM TASK 20-40-01-860-801-A/200	ENERGIZATION OF THE AIRCRAFT WITH AN EXTERNAL POWER SOURCE

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	Remove the recorded disk	Rear electronic compartment

I. Preparation

SUBTASK 841-005-A

- (1) Energize the aircraft ([AMM TASK 20-40-01-860-801-A/200](#)).
- (2) Open door 272DR (rear electronic compartment door).

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

SUBTASK 020-004-A

- (1) On the OQAR front panel, make sure that the POWER ON indicator is on.

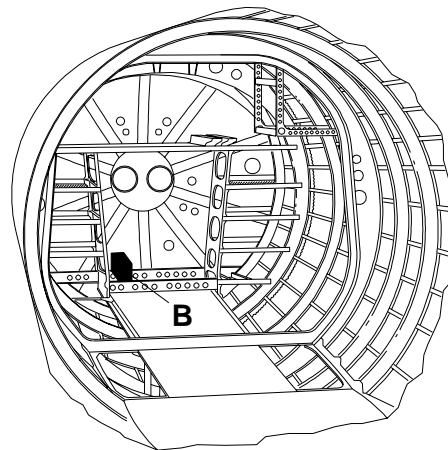
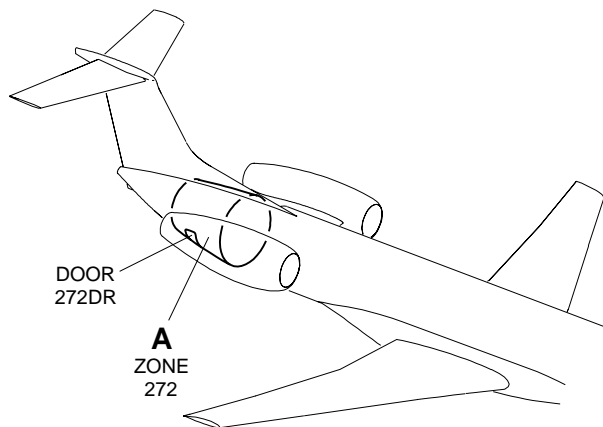
- (2) Open the OQAR front access door.
- (3) Remove the optical disk as follows:
 - (a) Momentarily push the EJECT pushbutton.
Result:
 - 1 The OQAR display shows EJECTING DISK, FLUSHING, then EJECTING DISK/PLEASE WAIT.
 - 2 The FAIL indicator comes on.
 - 3 The disk ejects.
 - 4 The LOW CAPACITY indicator comes on.
 - 5 The INSERT DISK message is shown on the OQAR display.
- (4) Put the disk in a protective box.
- (5) Close the OQAR front access door.
- (6) Send the disk to the analysis department.

K. Follow-on

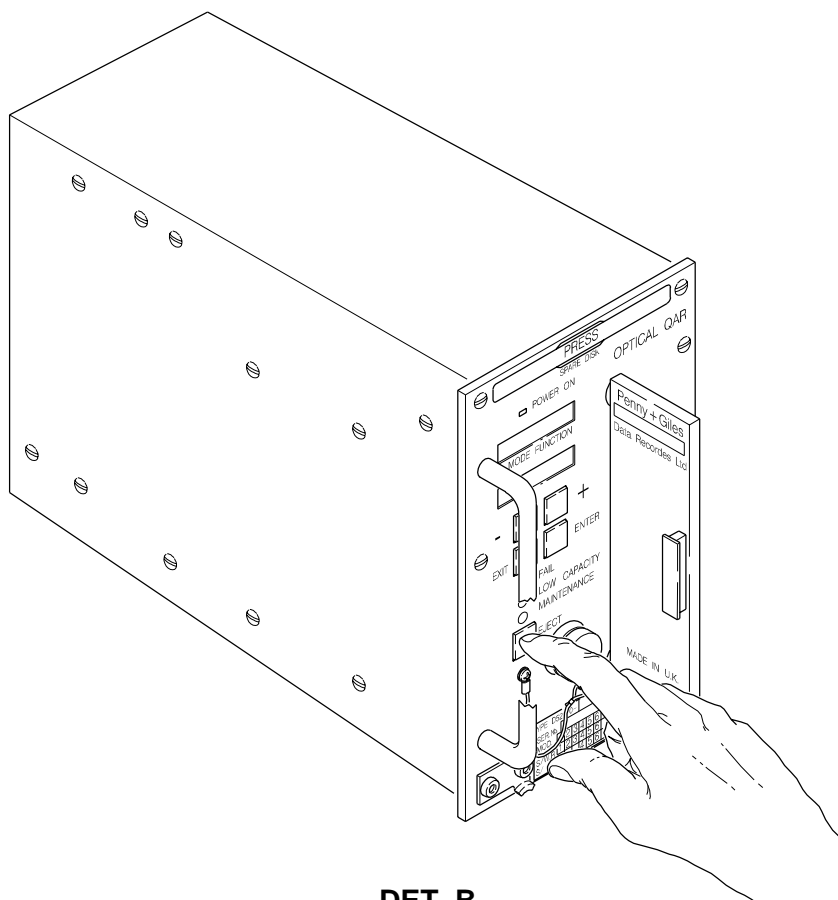
SUBTASK 842-005-A

- (1) Close door 272DR (rear electronic compartment door).
- (2) Deenergize the aircraft ([AMM TASK 20-40-01-860-801-A/200](#)).

EFFECTIVITY: AIRCRAFT WITH OQAR
OQAR Disk - Removal (OQAR Powered)
Figure 401



DET. A



DET. B

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TASK 31-34-01-400-801-A

EFFECTIVITY: AIRCRAFT WITH OQAR

3. OQAR OPTICAL DISK - INSTALLATION

A. General

(1) This task gives the procedure to install the optical disk into the OQAR.

B. References

REFERENCE	DESIGNATION
AMM TASK 20-40-01-860-801-A/200	ENERGIZATION OF THE AIRCRAFT WITH AN EXTERNAL POWER SOURCE

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
272	272DR	Rear electronic compartment

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	3.5 inch (90 mm) Rewritable Magnetic Optical Disk (ISO10090 128 Mbyte)	Record the data	1

F. Consumable Materials

Not Applicable

G. Expandable Parts

Not Applicable

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Install the disk	Rear electronic compartment

I. Preparation

SUBTASK 841-006-A

- (1) Energize the aircraft ([AMM TASK 20-40-01-860-801-A/200](#)).
- (2) On the circuit breaker panel, make sure that the QAR circuit breaker is closed.
- (3) Open door 272DR (rear electronic compartment).

J. Optical Disk Installation ([Figure 402](#))

SUBTASK 420-003-A

- (1) Make sure that the POWER ON, FAIL, and LOW CAPACITY indicators are on.

- (2) Make sure that the display shows the INSERT DISK message.
- (3) NOTE: An optical disk can be installed when TOO HOT or TOO COLD is shown. The LOW CAPACITY and FAIL indicators will then stay on until the unit has the normal operating temperature.

Open the OQAR front door.

- (4) Install the optical disk as follows:
 - (a) Put the optical disk into the recess and push in fully
Result:
 - 1 The display shows CHECKING DISK
 - 2 LOW CAPACITY and FAIL indicators go off.
- (5) Make sure that the display shows the time and the date.
- (6) Close the OQAR front access door.

K. Follow-on

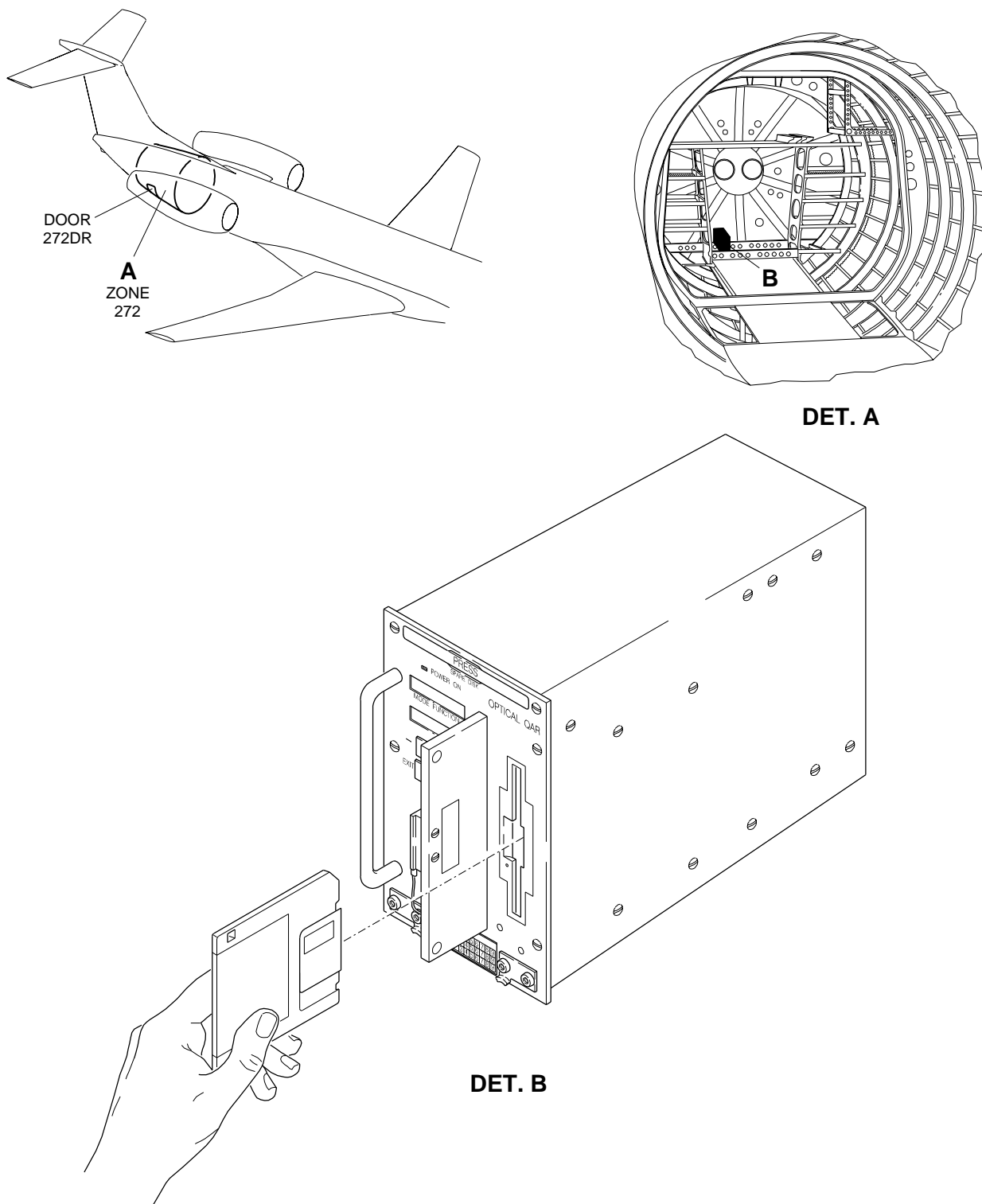
SUBTASK 842-006-A

- (1) Close door 272DR (rear electronic compartment door).
- (2) Deenergize the aircraft ([AMM TASK 20-40-01-860-801-A/200](#)).

EFFECTIVITY: AIRCRAFT WITH OQAR

OQAR Disk - Installation

Figure 402



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TASK 31-34-01-000-802-A

EFFECTIVITY: AIRCRAFT WITH OQAR

4. OQAR OPTICAL DISK - REMOVAL (OQAR UNPOWERED)

A. General

- (1) This task gives the procedure to remove the recorded data disk from the OQAR if power is not available (OQAR deenergized).
- (2) If power is not available, it is not possible to remove the optical disk with the aid of the EJECT pushbutton.

B. Zones and Accesses

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

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	Remove the recorded disk	Rear electronic compartment

H. Preparation

SUBTASK 841-007-A

- (1) Open door 272DR (rear electronic compartment door).

I. Optical Disk Removal (Figure 403)

SUBTASK 020-005-A

- (1) **NOTE:** Use the manual ejection method to remove the optical disk from the drive unit only as a last resort.

Open the OQAR front access door.

- (2) 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.

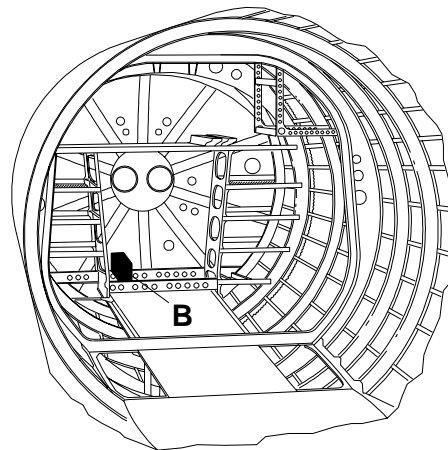
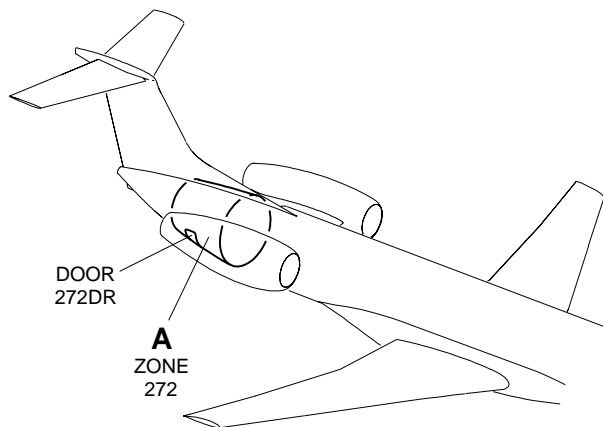
- (3) Put the eject pin into the pin hole visible at the right bottom side of the optical disk drive.
- (4) Remove the optical disk.
- (5) Replace the eject pin in the SPARE DISK storage drawer.
- (6) Close the OQAR front access door.

J. Follow-on

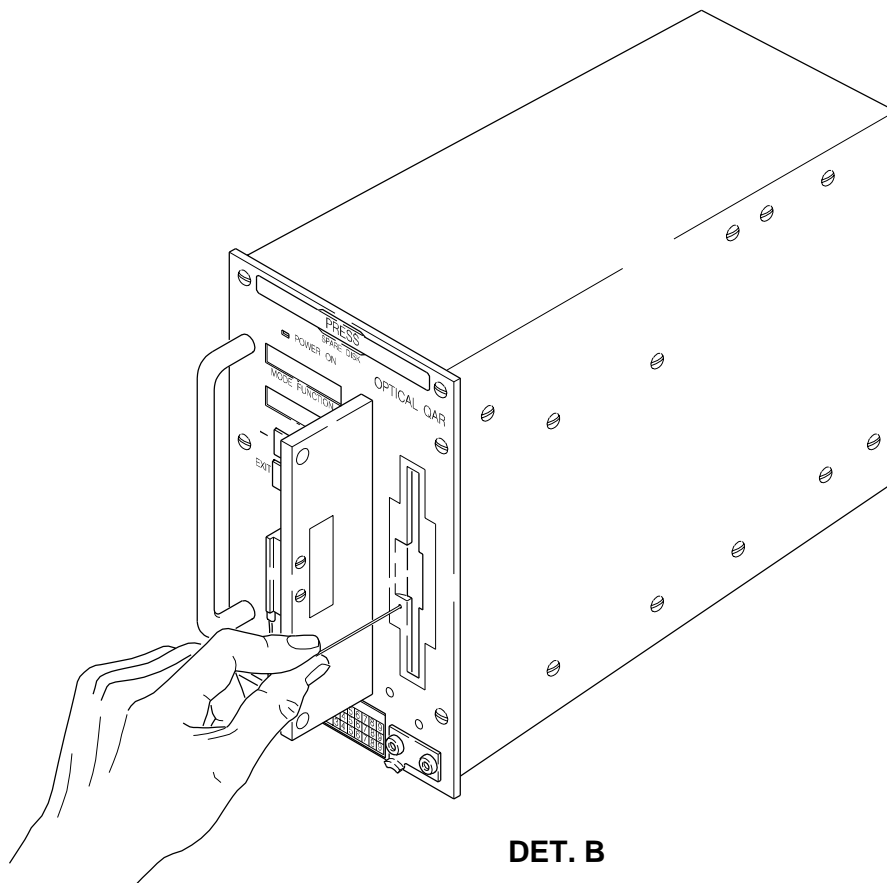
SUBTASK 842-007-A

- (1) Close door 272DR (rear electronic compartment door).

EFFECTIVITY: AIRCRAFT WITH OQAR
OQAR Disk - Removal (OQAR Unpowered)
Figure 403



DET. A



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