

## FADEC - ADJUSTMENT/TEST

*EFFECTIVITY: ALL*

### 1. General

- A. This section gives the procedures to do the FADEC data downloading and the MFD check for no FADEC maintenance messages. The FADEC data can be downloaded with the ARINC 429 Bus Reader or with a Personal Computer, whichever is available.
- 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 |
|----------------------|---|-------------|
| 73-22-01-700-801-A   | FADEC DISCRETE LABELS - INSPECTION  | ALL         |
| 73-22-01-700-802-A   | FADEC MAINTENANCE MESSAGES - INSPECTION   | ALL         |
| 73-22-01-700-803-A ♦ | MFD ENG ( ) LT FAULT AND ENG ( ) SCHED MAINT REPAIR MAINTENANCE MESSAGES - INSPECTION | ALL         |

TASK 73-22-01-700-801-A

EFFECTIVITY: ALL

## 2. FADEC DISCRETE LABELS - INSPECTION

### A. General

- (1) This task gives the procedures to do the FADEC discrete labels inspection. The FADEC data can be downloaded with the ARINC 429 Bus Reader or with a Personal Computer, whichever is available.
- (2) This task gives the procedure to read the labels at real time mode. You can download the labels from the CMC through the Personal Computer and the applicable CMC DAS software. Refer to the applicable DAS handbook and [AMM MPP 45-45-00/200](#).

### B. References

| REFERENCE                                       | DESIGNATION  |
|---|--|
| AMM MPP 06-41-02/100                            | -  |
| <a href="#">AMM MPP 45-45-00/200</a>            | - MAINTENANCE PRACTICES                                    |
| <a href="#">AMM TASK 20-40-01-860-801-A/200</a> | ENERGIZATION OF THE AIRCRAFT WITH AN EXTERNAL POWER SOURCE |
| AMM TASK 28-41-00-200-801-A/600                 | -  |
| <a href="#">AMM TASK 45-45-00-970-802-A/200</a> | CMC DOWNLOADING WITH THE PERSONAL COMPUTER                 |
| <a href="#">AMM TASK 45-45-01-000-801-A/400</a> | CENTRAL MAINTENANCE COMPUTER (CMC) - REMOVAL               |
| <a href="#">AMM TASK 45-45-01-400-801-A/400</a> | CENTRAL MAINTENANCE COMPUTER (CMC) - INSTALLATION          |
| <a href="#">AMM TASK 53-01-01-000-801-A/400</a> | COCKPIT FLOOR PANELS - REMOVAL                             |
| <a href="#">AMM TASK 53-01-01-400-801-A/400</a> | COCKPIT FLOOR PANELS - INSTALLATION                        |
| <a href="#">AMM TASK 71-00-01-910-801-A/200</a> | ENGINE START PROCEDURE (NORMAL)                            |
| <a href="#">AMM TASK 71-00-01-910-804-A/200</a> | ENGINE STOP PROCEDURE                                      |
| Rolls-Royce Maintenance Manual CSP34022         | -  |

### C. Zones and Accesses

| ZONE | PANEL/DOOR | LOCATION          |
|------|------------|-------------------|
| 221  | 221GF      | Floor panel       |
| 223  |            | Maintenance panel |

### D. Tools and Equipment

| ITEM                    | DESCRIPTION                       | PURPOSE     | QTY |
|-------------------------|-----------------------------------|-------------|-----|
| <a href="#">GSE 175</a> | Adapter Box, ARINC 429 Bus Reader | Downloading |     |
| <a href="#">GSE 163</a> | ARINC 429 Bus Reader              | Downloading |     |

### 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 | Cockpit |

I. Preparation (for FADEC Downloading with the ARINC 429 Bus Reader) (Figure 501)

SUBTASK 841-005-A

- (1) Remove cockpit floor 221GF (AMM MPP 06-41-02/100) ( [AMM TASK 53-01-01-000-801-A/400](#)).
- (2) On the circuit breaker panel, open the CMC circuit breaker.
- (3) Remove the CMC ([AMM TASK 45-45-01-000-801-A/400](#)).
- (4) Install the adapter box (GSE 175) in the location of the CMC.
- (5) Connect the ARINC 429 Bus Reader (GSE 163) to the adapter box.
- (6) On the circuit breaker panel, close the CMC circuit breaker.
- (7) Energize the aircraft with an External DC Power Supply ( [AMM TASK 20-40-01-860-801-A/200](#)).

J. Preparation (for FADEC Downloading with the Personal Computer) (Figure 501)

SUBTASK 841-006-A

- (1) Install the personal computer to read the FADEC data ( [AMM TASK 45-45-00-970-802-A/200](#)).

K. Inspect the FADEC Discrete Labels (Figure 501)

SUBTASK 720-004-A

- (1) Start the engine ( [AMM TASK 71-00-01-910-801-A/200](#)).
- (2) Let the engine stay idle for one minute.
- (3) The procedure below uses the ARINC 429 BUS Reader (GSE 163) to read the FADEC discrete labels. Do the FADEC downloading as follows:
  - (a) On the adapter box (GSE 175), select FADEC 1A.
  - (b) Set the ARINC 429 Bus Reader (GSE 163) as follows:

**NOTE:** To initialize and operate the ARINC 429 Bus Reader, refer to the Operator's Manual of the Reader.

- 1 Energize the ARINC 429 Bus Reader.

- 2 Set the receiver speed to LO (low speed).
- 3 Set the bus type to ARINC 429.
- 4 Set the mode to RCV (receiver).
- 5 Select the BIT signal to the binary mode.
- 6 Select FADEC discrete labels.

**NOTE:** Refer to the latest revision of Rolls-Royce Maintenance Manual CSP34022 05-14-00 to know which labels must be selected.

- (c) Use the latest revision of Rolls-Royce Maintenance Manual CSP34022 05-14-00 to know which are the bit numbers for each discrete label.
- (d) On the ARINC 429 Bus Reader (GSE 163), read the bit status for each discrete label of the related FADEC and write them in table 501. Do as follows:

**NOTE:**

- The bit status is shown in binary code.
- Table 501 can be photocopied and filled out after each FADEC check.

- 1 If the bit status shows 0 (zero), no maintenance procedures are necessary.
- 2 If the bit status shows 1 (one), there are maintenance procedures to do. Refer to the latest revision of Rolls-Royce Maintenance Manual CSP34022 05-14-00.

- (e) Do steps (a) to (d) again for the other FADECs.

- (4) This step shows the table which identifies the bit numbers (BIT No.) for each label on the ARINC 429 Bus Reader, for each FADEC. This table can be used as an example or can be photocopied for use.

Table 501 - RELATIONSHIP BETWEEN LABEL NO. X BIT NO.

| FADEC IDENTIFICATION: |                        |    |    |    |    |    |    | ( )1A |    |    |    | ( )1B |    |    | ( )2A |    |    | ( )2B |    |  |
|-----------------------|------------------------|----|----|----|----|----|----|-------|----|----|----|-------|----|----|-------|----|----|-------|----|--|
| LABEL<br>No.          | BIT No. <sup>[1]</sup> |    |    |    |    |    |    |       |    |    |    |       |    |    |       |    |    |       |    |  |
|                       | 29                     | 28 | 27 | 26 | 25 | 24 | 23 | 22    | 21 | 20 | 19 | 18    | 17 | 16 | 15    | 14 | 13 | 12    | 11 |  |
| 264                   |                        |    |    |    |    |    |    |       |    |    |    |       |    |    |       |    |    |       |    |  |
| 265                   |                        |    |    |    |    |    |    |       |    |    |    |       |    |    |       |    |    |       |    |  |
| 351                   |                        |    |    |    |    |    |    |       |    |    |    |       |    |    |       |    |    |       |    |  |
| 352                   |                        |    |    |    |    |    |    |       |    |    |    |       |    |    |       |    |    |       |    |  |
| 353                   |                        |    |    |    |    |    |    |       |    |    |    |       |    |    |       |    |    |       |    |  |
| 354                   |                        |    |    |    |    |    |    |       |    |    |    |       |    |    |       |    |    |       |    |  |
| 355                   |                        |    |    |    |    |    |    |       |    |    |    |       |    |    |       |    |    |       |    |  |
| 356                   |                        |    |    |    | X  | X  | X  |       |    |    |    | X     | X  |    |       |    |    |       |    |  |
| 357                   |                        |    |    |    |    |    |    |       |    |    |    |       |    |    |       |    |    |       |    |  |

[1] The cells must be filled out with the value (0 or 1) read on the ARINC 429 Bus Reader, as applicable.

Table 501 - RELATIONSHIP BETWEEN LABEL NO. X BIT NO. (Continued)

| FADEC IDENTIFICATION: |                        |    |    |    |    |    |    | ( )1A |    |    | ( )1B |    |    | ( )2A |    |    | ( )2B |    |    |
|-----------------------|------------------------|----|----|----|----|----|----|-------|----|----|-------|----|----|-------|----|----|-------|----|----|
| LABEL<br>No.          | BIT No. <sup>[1]</sup> |    |    |    |    |    |    |       |    |    |       |    |    |       |    |    |       |    |    |
|                       | 29                     | 28 | 27 | 26 | 25 | 24 | 23 | 22    | 21 | 20 | 19    | 18 | 17 | 16    | 15 | 14 | 13    | 12 | 11 |
| 360                   |                        |    |    |    |    |    |    |       |    |    |       |    |    |       |    |    |       |    |    |

[1] The cells must be filled out with the value (0 or 1) read on the ARINC 429 Bus Reader, as applicable.

- (5) The procedure below uses a personal computer to read the FADEC discrete labels.
- Find in the latest revision of Rolls-Royce Maintenance Manual CSP34022 05-14-00 the table of discrete labels that must be read.
  - Select FADEC 1A to do the downloading with the personal computer.

**NOTE:**

- Refer to the applicable DAS handbook documentation.
- The bit status on the fields where there is an "X" indication on [Table 501](#), are non-significant readings. They can be 0 (zero) or 1 (one), and it does not require any maintenance action according to Rolls-Royce Maintenance Manual CSP34022 05-14-00. For the other bit status that are contained in the Rolls-Royce Maintenance Manual CSP34022 05-14-00, steps C.(1) (a) and (b) must be followed.

- Do the readings of the bit status of each FADEC discrete label as follows:
  - On the personal computer, read the bit status for each FADEC discrete label.
    - The bit status found must be equal to 0 (zero). Thus, no maintenance procedures are necessary.
    - If the bit status is 1 (one), there are maintenance procedures to do. Refer to the latest revision of Rolls-Royce Maintenance Manual CSP34022 05-14-00.
- Do steps (b) and (c) again for the other FADECs.

- Stop the Engine ( [AMM TASK 71-00-01-910-804-A/200](#) )

L. Follow-on (for FADEC Downloading with the ARINC 429 Bus Reader)

*SUBTASK 842-005-A*

- De-energize the ARINC 429 Bus Reader.
- De-energize the aircraft ( [AMM TASK 20-40-01-860-801-A/200](#) ).
- Disconnect the ARINC 429 Bus Reader (GSE 175) from the adapter box.
- Remove the adapter box (GSE 175) from the location of the CMC.
- Install the CMC ( [AMM TASK 45-45-01-400-801-A/400](#) ).

- (6) Do an inspection on the fuel quantity indication harness (AMM TASK 28-41-00-200-801-A/600).

NOTE: The inspection of fuel quantity indication harness is part of Critical Design Configuration Control Limitations (CDCCL) in the Airworthiness Limitations of the Aircraft Maintenance Program.

- (7) Install cockpit floor 221GF (AMM MPP 06-41-02/100) ( [AMM TASK 53-01-01-400-801-A/400](#)).

M. Follow-on (for FADEC Downloading with the Personal Computer)

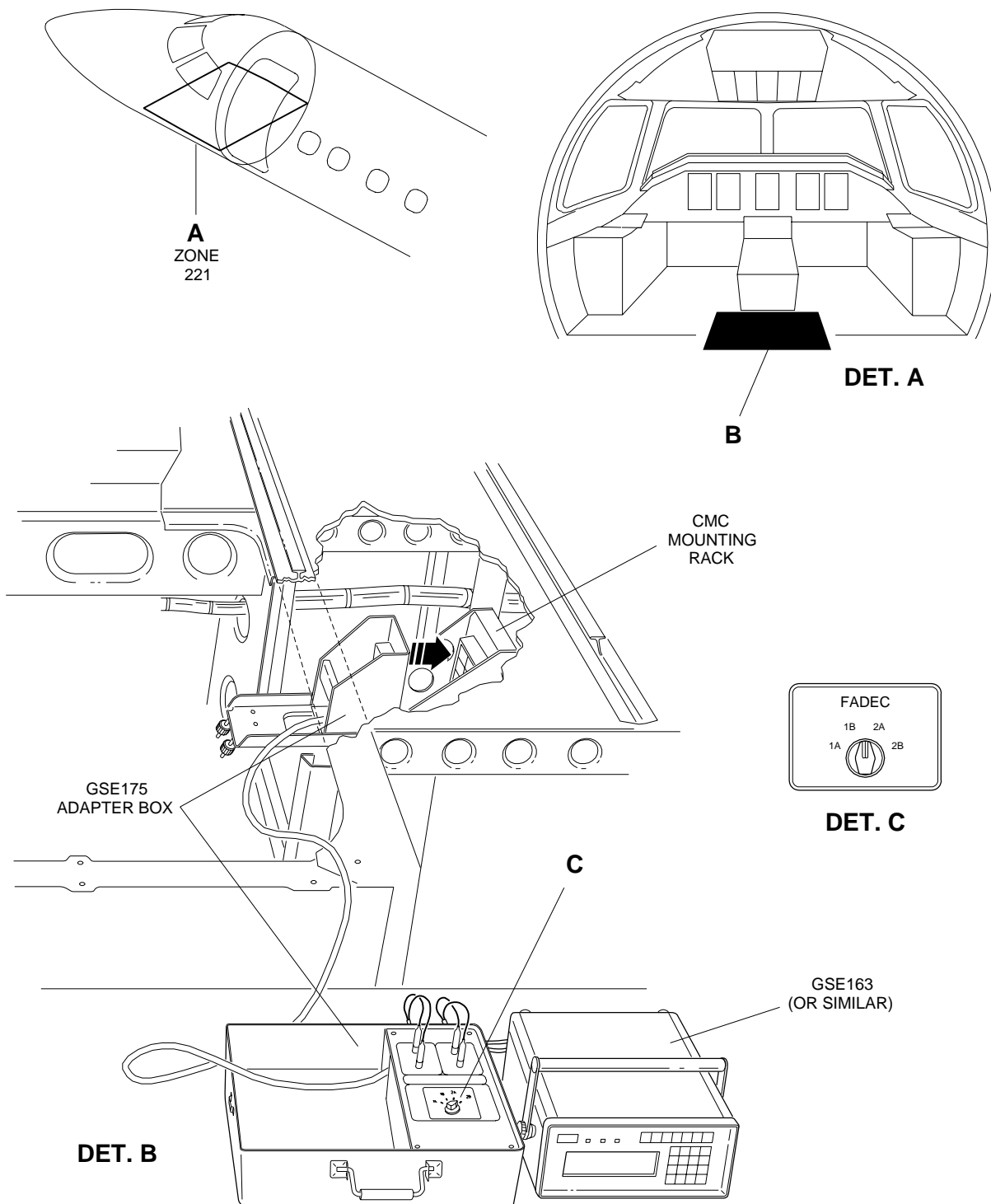
*SUBTASK 842-006-A*

- (1) Remove the personal computer ( [AMM TASK 45-45-00-970-802-A/200](#)).

EFFECTIVITY: ALL

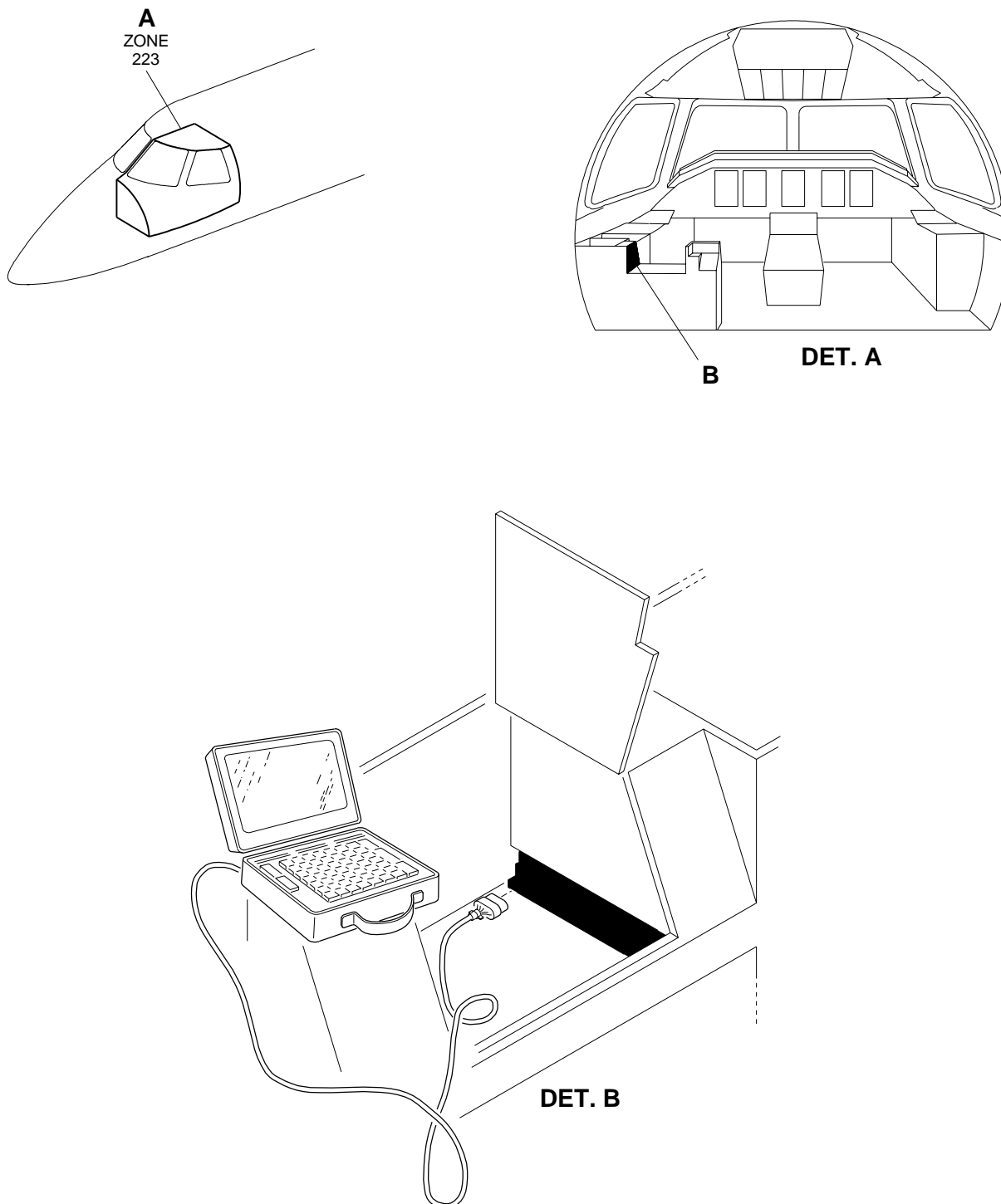
FADEC Downloading - Component Locations

Figure 501 - Sheet 1



145AMM760037.MCE A

EFFECTIVITY: ALL  
FADEC Downloading - Component Locations  
Figure 501 - Sheet 2



145AMM760041.MCE C



TASK 73-22-01-700-802-A

EFFECTIVITY: ALL

### 3. FADEC MAINTENANCE MESSAGES - INSPECTION

#### A. General

- (1) This task gives the procedures to do the FADEC maintenance messages inspection. The FADEC data can be downloaded with the ARINC 429 Bus Reader or with a Personal Computer, whichever is available.
- (2) This task gives the procedure to read the labels at real time mode. You can download the labels from the CMC through the Personal Computer and the applicable CMC DAS software. Refer to the applicable DAS handbook and [AMM MPP 45-45-00/200](#).

#### B. References

| REFERENCE                                       | DESIGNATION  |
|---|--|
| AMM MPP 06-41-02/100                            | -  |
| <a href="#">AMM MPP 45-45-00/200</a>            | - MAINTENANCE PRACTICES                                    |
| <a href="#">AMM TASK 20-40-01-860-801-A/200</a> | ENERGIZATION OF THE AIRCRAFT WITH AN EXTERNAL POWER SOURCE |
| AMM TASK 28-41-00-200-801-A/600                 | -  |
| <a href="#">AMM TASK 45-45-00-970-802-A/200</a> | CMC DOWNLOADING WITH THE PERSONAL COMPUTER                 |
| <a href="#">AMM TASK 45-45-01-000-801-A/400</a> | CENTRAL MAINTENANCE COMPUTER (CMC) - REMOVAL               |
| <a href="#">AMM TASK 45-45-01-400-801-A/400</a> | CENTRAL MAINTENANCE COMPUTER (CMC) - INSTALLATION          |
| <a href="#">AMM TASK 53-01-01-000-801-A/400</a> | COCKPIT FLOOR PANELS - REMOVAL                             |
| <a href="#">AMM TASK 53-01-01-400-801-A/400</a> | COCKPIT FLOOR PANELS - INSTALLATION                        |
| <a href="#">AMM TASK 71-00-01-910-801-A/200</a> | ENGINE START PROCEDURE (NORMAL)                            |
| <a href="#">AMM TASK 71-00-01-910-804-A/200</a> | ENGINE STOP PROCEDURE                                      |
| Rolls-Royce Maintenance Manual CSP34022         | -  |

#### C. Zones and Accesses

| ZONE | PANEL/DOOR | LOCATION          |
|------|------------|-------------------|
| 221  | 221GF      | Floor panel       |
| 223  |            | Maintenance panel |

#### D. Tools and Equipment

| ITEM                    | DESCRIPTION                       | PURPOSE     | QTY |
|-------------------------|-----------------------------------|-------------|-----|
| <a href="#">GSE 175</a> | Adapter Box, ARINC 429 Bus Reader | Downloading |     |
| <a href="#">GSE 163</a> | ARINC 429 Bus Reader              | Downloading |     |

#### 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 | Cockpit |

I. Preparation (for FADEC Downloading with the ARINC 429 Bus Reader) (Figure 501)

**SUBTASK 841-002-A**

- (1) Remove cockpit floor 221GF (AMM MPP 06-41-02/100) ( [AMM TASK 53-01-01-000-801-A/400](#)).
- (2) On the circuit breaker panel, open the CMC circuit breaker.
- (3) Remove the CMC ([AMM TASK 45-45-01-000-801-A/400](#)).
- (4) Install the adapter box (GSE 175) in the location of the CMC.
- (5) Connect the ARINC 429 Bus Reader (GSE 163) to the adapter box.
- (6) On the circuit breaker panel, close the CMC circuit breaker.
- (7) Energize the aircraft with an External DC Power Supply ( [AMM TASK 20-40-01-860-801-A/200](#)).

J. Preparation (for FADEC Downloading with the Personal Computer) (Figure 501)

**SUBTASK 841-003-A**

- (1) Install the personal computer to read the FADEC data ( [AMM TASK 45-45-00-970-802-A/200](#)).

K. Inspect the FADEC Maintenance Messages (Figure 501)

**SUBTASK 720-002-A**

- (1) Start the engine ( [AMM TASK 71-00-01-910-801-A/200](#)).
- (2) Let the engine stay idle for one minute.
- (3) The procedure below uses the ARINC 429 BUS Reader (GSE 163) to read the FADEC maintenance messages. Do the FADEC downloading as follows:
  - (a) On the adapter box (GSE 175), select FADEC 1A.
  - (b) Set the ARINC 429 Bus Reader (GSE 163) as follows:

**NOTE:** To initialize and operate the ARINC 429 Bus Reader, refer to the Operator's Manual of the Reader.

- 1 Energize the ARINC 429 Bus Reader.

- 2 Set the receiver speed to LO (low speed).
- 3 Set the bus type to ARINC 429.
- 4 Set the mode to RCV (receiver).
- 5 Select the BIT signal to the binary mode.
- 6 Select FADEC discrete labels.

**NOTE:** Refer to the latest revision of Rolls-Royce Maintenance Manual CSP34022 05-14-00 to know which labels must be selected.

- (c) Use the latest revision of Rolls-Royce Maintenance Manual CSP34022 05-14-00 to identify the bit number for each maintenance message text.
- (d) On the ARINC 429 Bus Reader (GSE 163), read the bit status for each maintenance message of the related FADEC and write them in table 502. Do as follows:

**NOTE:** • The bit status is shown in binary code.

- Table 502 can be photocopied and filled out after each FADEC check.

- 1 If the bit status shows 0 (zero), no maintenance procedures are necessary.

**WARNING:** • **IF BIT STATUS 14 (DISCRETE LABEL 360/FADLRU) SHOWS 1 (ONE) FOR FADEC A AND FADEC B SIMULTANEOUSLY FOR AN ENGINE, THEN THERE IS NO PROTECTION FOR N1 OVERSPEED.**

- **IF BIT STATUS 15 (DISCRETE LABEL 360/FADLRU) SHOWS 1 (ONE) FOR FADEC A AND FADEC B SIMULTANEOUSLY FOR AN ENGINE, THEN THERE IS NO PROTECTION FOR N2 OVERSPEED.**

- 2 If the bit status shows 1 (one), there are maintenance procedures to do. Refer to the latest revision of Rolls-Royce Maintenance Manual CSP34022 05-14-00.

- (e) Do steps (a) to (d) again for the other FADECs.

- (4) This step shows the table which identifies the bit numbers (BIT No.) for each label on the ARINC 429 Bus Reader, for each FADEC. This table can be used as an example or can be photocopied for use.

Table 502 - RELATIONSHIP BETWEEN LABEL NO. X BIT NO.

| FADEC IDENTIFICATION: |                        |    |    |    |    |    |    | ( )1A |    |    |    | ( )1B |    |    | ( )2A |    |    | ( )2B |    |  |
|-----------------------|------------------------|----|----|----|----|----|----|-------|----|----|----|-------|----|----|-------|----|----|-------|----|--|
| LABEL<br>No.          | BIT No. <sup>[1]</sup> |    |    |    |    |    |    |       |    |    |    |       |    |    |       |    |    |       |    |  |
|                       | 29                     | 28 | 27 | 26 | 25 | 24 | 23 | 22    | 21 | 20 | 19 | 18    | 17 | 16 | 15    | 14 | 13 | 12    | 11 |  |
| 264                   |                        |    |    |    |    |    |    |       |    |    |    |       |    |    |       |    |    |       |    |  |
| 265                   |                        |    |    |    |    |    |    |       |    |    |    |       |    |    |       |    |    |       |    |  |
| 351                   |                        |    |    |    |    |    |    |       |    |    |    |       |    |    |       |    |    |       |    |  |
| 352                   |                        |    |    |    |    |    |    |       |    |    |    |       |    |    |       |    |    |       |    |  |
| 353                   |                        |    |    |    |    |    |    |       |    |    |    |       |    |    |       |    |    |       |    |  |
| 354                   |                        |    |    |    |    |    |    |       |    |    |    |       |    |    |       |    |    |       |    |  |
| 355                   |                        |    |    |    |    |    |    |       |    |    |    |       |    |    |       |    |    |       |    |  |
| 356                   |                        |    |    |    | X  | X  | X  |       |    |    |    | X     | X  |    |       |    |    |       |    |  |
| 357                   |                        |    |    |    |    |    |    |       |    |    |    |       |    |    |       |    |    |       |    |  |
| 360                   |                        |    |    |    |    |    |    |       |    |    |    |       |    |    |       |    |    |       |    |  |

[1] The cells must be filled out with the value (0 or 1) read on the ARINC 429 Bus Reader, as applicable.

- (5) The procedure below uses the personal computer to read the FADEC maintenance messages.

- (a) Find in the latest revision of Rolls-Royce Maintenance Manual CSP34022 05-14-00 the table of maintenance messages that must be read.

- (b) Select FADEC 1A to do the downloading with the personal computer.

**NOTE:** Refer to the applicable DAS handbook documentation.

- (c) Do the readings of the bit status of each FADEC maintenance message as follows:

- 1 On the personal computer, read the bit status for each FADEC maintenance message.

- a The bit status found must be equal to 0 (zero); thus, no maintenance procedures are necessary.

**WARNING:** • IF BIT STATUS 14 (DISCRETE LABEL 360/FADLRU) SHOWS 1 (ONE) FOR FADEC A AND FADEC B SIMULTANEOUSLY FOR AN ENGINE, THEN THERE IS NO PROTECTION FOR N1 OVERSPEED.

- IF BIT STATUS 15 (DISCRETE LABEL 360/FADLRU) SHOWS 1 (ONE) FOR FADEC A AND FADEC B SIMULTANEOUSLY FOR AN ENGINE, THEN THERE IS NO PROTECTION FOR N2 OVERSPEED.

- b If the bit value is 1 (one), there are maintenance procedures to do. Refer to the latest revision of Rolls-Royce Maintenance Manual CSP34022 05-14-00.

- (d) Do steps (b) and (c) again for the other FADECs.
- (6) Stop the Engine ( [AMM TASK 71-00-01-910-804-A/200](#))
- L. Follow-on (for FADEC Downloading with the ARINC 429 Bus Reader)
- SUBTASK 842-002-A*
- (1) De-energize the ARINC 429 Bus Reader.
  - (2) De-energize the aircraft ( [AMM TASK 20-40-01-860-801-A/200](#)).
  - (3) Disconnect the ARINC 429 Bus Reader (GSE 175) from the adapter box.
  - (4) Remove the adapter box (GSE 175) from the location of the CMC.
  - (5) Install the CMC ( [AMM TASK 45-45-01-400-801-A/400](#)).
  - (6) Do an inspection on the fuel quantity indication harness (AMM TASK 28-41-00-200-801-A/600).
- NOTE: The inspection of fuel quantity indication harness is part of the Critical Design Configuration Control Limitations (CDCCL) in the Airworthiness Limitations of the Aircraft Maintenance Program.
- (7) Install cockpit floor 221GF (AMM MPP 06-41-02/100) ( [AMM TASK 53-01-01-400-801-A/400](#)).
- M. Follow-on (for FADEC Downloading with the Personal Computer)
- SUBTASK 842-003-A*
- (1) Remove the personal computer ( [AMM TASK 45-45-00-970-802-A/200](#)).

TASK 73-22-01-700-803-A

EFFECTIVITY: ALL

4. MFD ENG ( ) LT FAULT AND ENG ( ) SCHED MAINT REPAIR MAINTENANCE MESSAGES - INSPECTION

A. General

(1) This task gives the procedures to do the MFD check for no FADEC maintenance messages.

B. References

| REFERENCE                                       | DESIGNATION  |
|---|--|
| <a href="#">AMM SDS 32-30-00/1</a>              |  |
| <a href="#">AMM SDS 45-45-00/1</a>              |  |
| <a href="#">AMM TASK 20-40-01-860-801-A/200</a> | ENERGIZATION OF THE AIRCRAFT WITH AN EXTERNAL POWER SOURCE |

C. Zones and Accesses

| ZONE | PANEL/DOOR | LOCATION          |
|------|------------|-------------------|
| 223  |            | Maintenance panel |

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 | Cockpit |

I. Preparation ([Figure 502](#))

SUBTASK 841-004-A

- (1) Energize the aircraft with the External DC Power Supply ( [AMM TASK 20-40-01-860-801-A/200](#)).
- (2) Make sure that the CMC system ([AMM SDS 45-45-00/1](#)) is operational and on.

- J. Inspect Multi-Function Display for ENG ( ) LT FAULT and ENG ( ) SCHED MAINT REPAIR Maintenance Messages ([Figure 502](#))

*SUBTASK 720-003-A*

- (1) On the main instrument panel, set MFD 1 to the maintenance page.

NOTE: This page is available only on the ground (WOW) ([AMM SDS 32-30-00/1](#)).

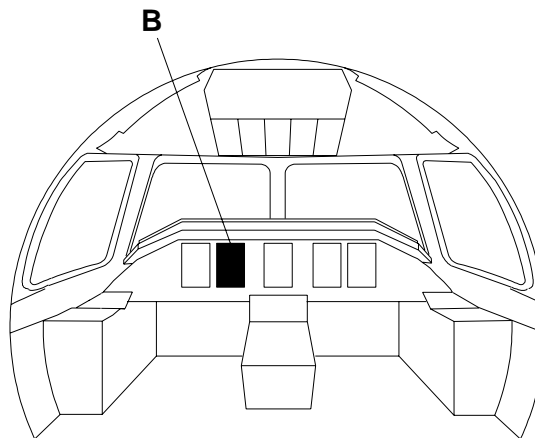
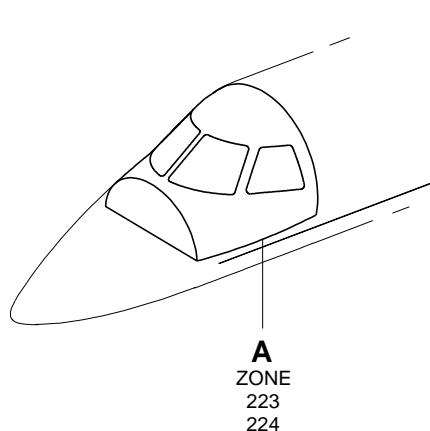
- (a) Push the MFD button.
- (b) (Applicable to aircraft with dual FMS). Push the JSTK button.
- (c) Push the MAINT button.
- (d) (Applicable to aircraft with -011 CMC and on) A message with the CMC software version comes into view. Push the NEXT button.
- (e) Make sure that the CMC FADEC ( ) INPUT FAIL message is not shown on the MFD maintenance page.
- (f) Check for no ENG ( ) LT FAULT and ENG ( ) SCHED MAINT REPAIR Maintenance Message on the MFD maintenance page.

- K. Follow-on

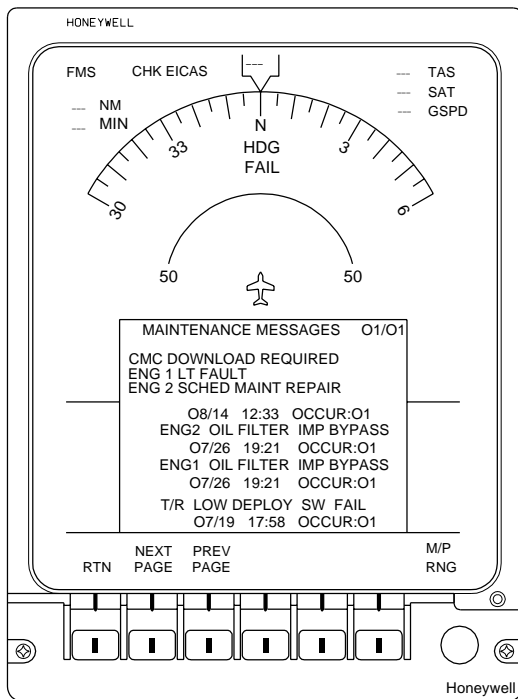
*SUBTASK 842-004-A*

- (1) Deenergize the aircraft ( [AMM TASK 20-40-01-860-801-A/200](#)).

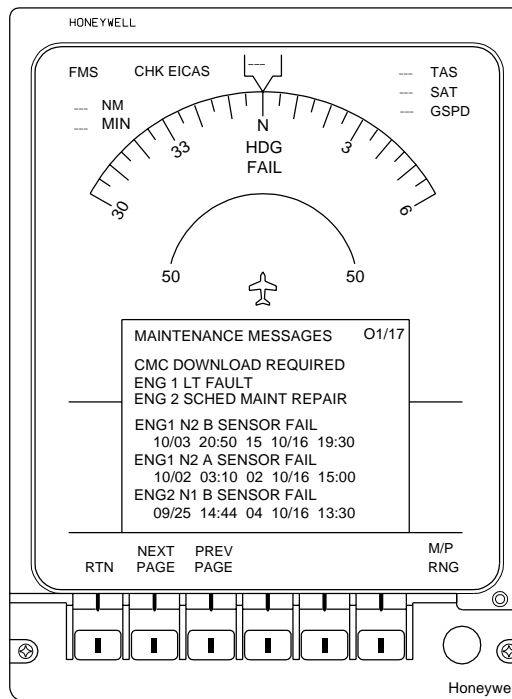
EFFECTIVITY: ALL  
CMC Data - MFD Downloading  
Figure 502



DET. A



DET. B



DET. B



1 AIRCRAFT WITH CMC -009 AND -010.

2 AIRCRAFT WITH CMC -011 AND ON.

EM145AMM730046A.DGN