



**FAULT ISOLATION MANUAL**

**MAINTENANCE PRACTICES**

\*\*ON A/C ALL

**TASK 36-20-00-810-801**

**#1 BLEED HOT (Caution) – Fault Isolation**

1. General

- A. This fault isolation procedure is for when the caution and warning panel (CAWP) #1 BLEED HOT caution light is on or came on more than one time.
- B. The CAWP #1 BLEED HOT caution light comes on for the conditions that follow:
  - Bleed overtempertaure
  - Bleed overpressure
  - Bleed duct leak.
- C. The central diagnostic system (CDS) can show the related messages that follow:
  - L HPSOV
  - L BLD OVR TMP
  - L BLD TMP SW
  - L WING LEAK
  - L DUCT LEAK SW
  - L BLD OVR PR
  - L BLD PR SW
  - L ANA WING LEAK
  - L ANA AFT LEAK
  - L BLD ANA OT
  - L BLD ANA OP
  - L NAPR SOV
  - L BLD DIFF PR
  - L PR CLR TMP SW
  - L AFT DUCT LEAK SW
  - L BLD TMP

2. Job Set-Up Information

Subtask 36-20-00-910-006

- A. Reference Information



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| REFERENCE                 | DESIGNATION   |
|---------------------------|---|
| AMM TASK 36-11-00-710-802 | Operational Test of the Bleed Air System  |
| AMM TASK 45-00-21-742-801 | Retrieval of Data from the Central Diagnostic System – Environmental Control System (ECS) |
| AMM TASK 45-00-21-743-801 | Erase the Data from the Central Diagnostic System – Environmental Control System (ECS)    |
| FIM TASK 36-10-00-810-801 | L NAPRSOV(Status) – Fault Isolation   |
| FIM TASK 36-10-00-810-802 | L HPSOV (Status) – Fault Isolation  |
| FIM TASK 36-10-00-810-807 | L BLD PR SW (Status) – Fault Isolation  |
| FIM TASK 36-10-00-810-808 | L BLD TMP SW (Status) – Fault Isolation   |
| FIM TASK 36-10-00-810-809 | L DUCT LEAK SW (Status) – Fault Isolation   |
| FIM TASK 36-10-00-810-810 | L PR CLR TMP SW (Status) – Fault Isolation  |
| FIM TASK 36-10-00-810-853 | L WING LEAK (Status) – Fault Isolation  |
| FIM TASK 36-10-00-810-854 | L BLD OVR PR (Status) – Fault Isolation   |
| FIM TASK 36-10-00-810-857 | L BLD ANA OP (Status) – Fault Isolation   |
| FIM TASK 36-10-00-810-864 | L BLD OVR TMP (Status) – Fault Isolation  |
| FIM TASK 36-10-00-810-868 | L AFT DUCT LEAK SW (Status) – Fault Isolation   |
| FIM TASK 36-10-00-810-869 | L BLD TMP – 1A01 – Fault Isolation  |
| FIM TASK 36-11-16-810-801 | L BLD ANA OT (Status) – Fault Isolation   |
| FIM TASK 36-11-34-810-801 | L ANA WING LEAK (Status) – Fault Isolation  |
| FIM TASK 36-11-41-810-804 | L BLD DIFF PR(Status) – Fault Isolation   |
| FIM TASK 36-11-46-810-801 | L ANA AFT LEAK (Status) – Fault Isolation   |

### 3. Fault Confirmation

#### Subtask 36-20-00-810-009

##### A. Confirm the fault as follows:

- (1) Do the CDS fault indication retrieval (Refer to AMM TASK 45-00-21-742-801).
- (2) Record present and historical faults linked to the event in the appropriate maintenance log book. Include the operational hours for historical faults.
- (3) Erase the data from the CDS (Refer to AMM TASK 45-00-21-743-801).
- (4) Do the operational test of the bleed air system (Refer to AMM TASK 36-11-00-710-802 ) to clear the caution light.
  - (a) If the #1 BLEED HOT caution light does not come on, no maintenance procedure is necessary. Do the Close Out.
  - (b) If the #1 BLEED HOT caution light does come on, do the CDS fault indication retrieval again (Refer to AMM TASK 45-00-21-742-801). Do the fault isolation.



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### 4. Fault Isolation

Subtask 36-20-00-810-011

#### A. Isolate the fault as follows:

- (1) If the message is 1101, 1102, or 1104 — L HPSOV, do the fault isolation for this message (Refer to FIM TASK 36-10-00-810-802 ).
- (2) If the message is 7001 — L BLD OVR TMP, do the fault isolation for this message (Refer to FIM TASK 36-10-00-810-852 ).
- (3) If the message is 1701 — L BLD TMP SW, do the fault isolation for this message (Refer to FIM TASK 36-10-00-810-808 ).
- (4) If the message is 7002 — L WING LEAK, do the fault isolation for this message (Refer to FIM TASK 36-10-00-810-853 ).
- (5) If the message is 1801 — L DUCT LEAK SW, do the fault isolation for this message (Refer to FIM TASK 36-10-00-810-809 ).
- (6) If the message is 1802 — L AFT DUCT LEAK SW, do the fault isolation for this message (Refer to FIM TASK 36-10-00-810-868 ).
- (7) If the message is 7004 — L BLD OVR PR, do the fault isolation for this message (Refer to FIM TASK 36-10-00-810-854 ).
- (8) If the message is 1601 — L BLD PR SW, do the fault isolation for this message (Refer to FIM TASK 36-10-00-810-807 ).
- (9) If the message is 7006 — L ANA WING LEAK , do the fault isolation for this message (Refer to FIM TASK 36-11-34-810-801 ).
- (10) If the message is 7007 — L ANA AFT LEAK , do the fault isolation for this message (Refer to FIM TASK 36-11-46-810-801 ).
- (11) If the message is 7005 — L BLD ANA OT, do the fault isolation for this message (Refer to FIM TASK 36-11-16-810-801 ). Do the Close Out.
- (12) If the message is 7008 — L BLD ANA OP, do the fault isolation for this message (Refer to FIM TASK 36-10-00-810-857 ).
- (13) If the message is 1002, 1005, 1006, or 1007 — L NAPR SOV, do the fault isolation for this message FIM TASK 36-10-00-810-801 ).
- (14) If the message is 1501, 1502, or 1503 — L BLD DIFF PR, do the fault isolation for this message (Refer to FIM TASK 36-11-41-810-804 ).
- (15) If the message is 1901 — L PR CLR TMP SW, do the fault isolation for this message (Refer to FIM TASK 36-10-00-810-810 ).
- (16) If the message is 1A01 — L BLD TMP, do the fault isolation for this message (Refer to FIM TASK 36-10-00-810-869).



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### 5. Close Out

Subtask 36-20-00-941-004

- A. Make sure that the CAWP #1 BLEED HOT caution light is not on.
- B. Remove all tools, equipment and unwanted materials from the work area.