



FAULT ISOLATION MANUAL

MAINTENANCE PRACTICES

**ON A/C ALL

TASK 49-20-00-810-801

APU (Caution) – Fault Isolation

1. General

- A. This fault isolation procedure is for when the APU caution light on the Caution and Warning Panel (CAWP) is on.
- B. The APU caution light on the CAWP comes on when the Auxiliary Power Unit (APU) Full Authority Digital Electronic Control (FADEC) or fire control amplifier has automatically stopped the APU operation.
- C. The APU CONTROL panel FAIL light will also come on.

NOTE: The APU FADEC will automatically stop APU operation and make the APU caution light come on when it senses a condition that follows:

- APU FADEC has malfunctioned
- Illogical switch input
- Airborne operation
- Low oil pressure
- The two speed signals failed
- Underspeed
- Overspeed
- The two EGT thermocouple probes have malfunctioned
- Overtemperature
- High oil temperature
- Main fuel valve has malfunctioned (open circuit, short circuit, or stuck open).

NOTE: The APU FADEC will stop the start sequence and make the APU caution light come on when it senses a condition that follows:

- Fail to crank
- Low acceleration
- Deceleration
- Fail to light.

NOTE: The APU FADEC will cause the APU caution light to come on during the shutdown sequence when it senses that the main fuel valve has stuck open.

NOTE: The fire control amplifier will automatically stop APU operation and make the APU caution light come on when it senses an APU fire condition. This is not a malfunction.



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NOTE: The APU relay panel will automatically stop APU operation when it senses that the APU DC starter/generator temperature is more than 166°C (330°F). The APU caution light will not come on.

NOTE: The fire control amplifier will automatically stop APU operation when it senses that the APU fire extinguisher bottle pressure is less than 225 psig. The APU caution light will not come on.

D. The Audio and Radio Control Display Unit (ARCDU) can show the related Central Diagnostic System (CDS) messages that follow:

- 001–0 FADEC FAULT
- 006–0 FADEC FAULT
- 007–1, 007–2, 007–3 or 007–4 ILLOGICAL SWITCHES
- 031–0 FADEC FAULT
- 032–2 or 032–3 AIRBORNE OPERATION
- 061–3 LOW OIL PRESSURE
- 062–1 LOW OIL PRESSURE SW FLT
- 064–0 LOW SW STIM FAIL
- 101–0, 101–1, 101–2, 101–3 or 101–4 SPEED 1 AND 2 FAULT
- 102–3 UNDERSPEED
- 103–2 FAIL TO CRANK
- 104–2 LOW ACCELERATION
- 106–1, 106–2, 106–3 or 106–4 OVERSPEED
- 110–0 SPEED AT POWER UP
- 123–0, 123–1, 123–2, 123–3 or 123–4 BACK-UP OVERSPEED
- 124–2 DECELERATION
- 130–1, 130–2, 130–3 or 130–4 EGT T/C 1 AND 2 FAULT
- 131–2 OVERTEMP AT START
- 132–3 OVERTEMP AT RUN
- 133–2 FAIL TO LIGHT
- 161–1, 161–2 or 161–3 HIGH OIL TEMP
- 162–0 FADEC FAULT
- 251–0, 251–1, 251–2, 251–3 or 251–4 FADEC FAULT
- 252–0, 252–1, 252–2, 252–3 or 252–4 FADEC FAULT
- 253–0 FADEC FAULT
- 254–0, 254–1, 254–2, 254–3 or 254–4 FADEC FAULT
- 255–0, 255–1, 255–2, 255–3 or 255–4 FADEC FAULT



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- 256–0, 256–1, 256–2, 256–3 or 256–4 FADEC FAULT
- 257–0, 257–1, 257–2, 257–3 or 257–4 FADEC FAULT
- 258–0, 258–1, 258–2, 258–3 or 258–4 FADEC FAULT

2. Job Set-Up Information

Subtask 49–20–00–946–024

- A. Do a general visual inspection of the electrical wiring, connectors, and backshells (Refer to WM20–31–01–201).
- B. If necessary, chemically clean the data memory module (Refer to AMM 49–70–10–110–801).
- C. Do a check of the oil level of the APU (Refer to AMM 12–10–49–210–802)
- D. Do a visual check of the impending bypass indication of the APU oil filter (Refer to AMM 49–90–00–210–801 0).
- E. Do a general visual inspection of the APU magnetic drain–plug (Refer to AMM 49–90–15–210–801).
- F. Do a visual check of the impending bypass indication of the APU fuel filter (Refer to AMM 49–30–00–210–803).
- G. Do a general visual inspection of the APU fuel system (Refer to AMM 49–30–00–210–801).

REFERENCE	DESIGNATION
AMM45–00–49–742–801	Retrieval of Data from the Central Diagnostic System – Auxiliary Power Unit (APU)
AMM45–00–49–743–801	Erase the Data from the Central Diagnostic System – Auxiliary Power Unit (APU)
FIM49–10–00–810–801	007–1, 007–2, 007–3 or 007–4 ILLOGICAL SWITCHES (Status) – Fault Isolation
FIM49–10–00–810–802	32–3 AIRBORNE OPERATION (Status) – Fault Isolation
FIM49–10–00–810–803	166–5 START OUTPUT SHORT (Status) – Fault Isolation
FIM49–10–00–810–805	211–5 RTL OUTPUT SHORT (Status) – Fault Isolation
FIM49–10–00–810–807	216–5 FAULT OUTPUT SHORT (Status) – Fault Isolation
FIM49–20–00–810–802	104–3 LOW ACCELERATION (Status) – Fault Isolation
FIM49–20–00–810–803	133–3 FAIL TO LIGHT (Status) – Fault Isolation
FIM49–20–00–810–804	102–3 UNDERSPEED (Status) – Fault Isolation
FIM49–20–00–810–805	106–3 OVERSPEED (Status) – Fault Isolation
FIM49–20–00–810–806	124–3 DECELERATION (Status) – Fault Isolation

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REFERENCE	DESIGNATION
FIM49-20-00-810-807	131-4 OVERTEMP AT START (Status) – Fault Isolation
FIM49-20-00-810-808	132-4 OVERTEMP AT RUN (Status) – Fault Isolation
FIM49-20-00-810-811	123-2 BACK-UP OVERSPEED (Status) – Fault Isolation
FIM49-30-00-810-801	171-5 START FUEL VALVE SHORT (STATUS) – Fault Isolation
FIM49-30-00-810-802	172-5 START FUEL VALVE OPEN (STATUS) – Fault Isolation
FIM49-30-00-810-803	176-5 MAIN FUEL VALVE SHORT (Status) – Fault Isolation
FIM49-30-00-810-804	177-5 MAIN FUEL VALVE OPEN CIRCUIT (Status) – Fault Isolation
FIM49-30-00-810-805	178-4 MN FUEL VLV STUCK OPEN (Status) – Fault Isolation
FIM49-30-00-810-806	242-5 FUEL SERVO SHORT (Status) – Fault Isolation
FIM49-30-00-810-807	244-5 FUEL SERVO OPEN (Status) – Fault Isolation
FIM49-40-00-810-801	53-5 EXCITER FAULT (Status) – Fault Isolation
FIM49-40-00-810-802	54-5 IGNITOR PLUG A OPEN (Status) – Fault Isolation
FIM49-40-00-810-803	55-5 IGNITOR PLUG B OPEN (Status) – Fault Isolation
FIM49-40-00-810-804	191-5 EXCITER SHORT (Status) – Fault Isolation
FIM49-40-00-810-806	103-3 FAIL TO CRANK (Status) – Fault Isolation
FIM49-50-00-810-801	47-5 BLEED VLV STUCK OPEN (Status) – Fault Isolation
FIM49-50-00-810-802	48-5 BLEED VLV STUCK CLOSED (Status) – Fault Isolation
FIM49-50-00-810-803	49-5 BLEED VLV SWITCH FAILURE (Status) – Fault Isolation>
FIM49-50-00-810-804	232-5 BLEED SERVO SHORT (Status) – Fault Isolation
FIM49-50-00-810-805	234-5 BLEED SERVO OPEN (Status) – Fault Isolation
FIM49-60-00-810-801	001-3 FADEC FAULT (Status) – Fault Isolation

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REFERENCE	DESIGNATION
FIM49-60-00-810-802	143-5 FADEC OVERTEMPERATURE (Status) – Fault Isolation
FIM49-60-00-810-806	11-5 FADEC FAULT (Status) – Fault Isolation
FIM49-60-00-810-807	141-5 FADEC FAULT (Status) – Fault Isolation
FIM49-60-00-810-809	153-5 FADEC FAULT (Status) – Fault Isolation
FIM49-60-00-810-810	154-5 FADEC FAULT (Status) – Fault Isolation
FIM49-60-00-810-811	162-4 FADEC FAULT (Status) – Fault Isolation
FIM49-60-00-810-812	16-5 FADEC FAULT (Status) – Fault Isolation
FIM49-60-00-810-813	168-5 FADEC FAULT (Status) – Fault Isolation
FIM49-60-00-810-814	173-5 FADEC FAULT (Status) – Fault Isolation
FIM49-60-00-810-815	179-5 FADEC FAULT (Status) – Fault Isolation
FIM49-60-00-810-817	188-5 FADEC FAULT (Status) – Fault Isolation
FIM49-60-00-810-818	193-5 FADEC FAULT (Status) – Fault Isolation
FIM49-60-00-810-819	213-5 FADEC FAULT (Status) – Fault Isolation
FIM49-60-00-810-820	218-5 FADEC FAULT (Status) – Fault Isolation
FIM49-60-00-810-822	233-5 FADEC FAULT (Status) – Fault Isolation
FIM49-60-00-810-823	243-5 FADEC FAULT (Status) – Fault Isolation
FIM49-60-00-810-825	251-3 FADEC FAULT (Status) – Fault Isolation
FIM49-60-00-810-826	252-1 FADEC FAULT (Status) – Fault Isolation
FIM49-60-00-810-827	253-2 FADEC FAULT (Status) – Fault Isolation
FIM49-60-00-810-828	254-2 FADEC FAULT (Status) – Fault Isolation
FIM49-60-00-810-829	255-2 FADEC FAULT (Status) – Fault Isolation
FIM49-60-00-810-830	256-2 FADEC FAULT (Status) – Fault Isolation
FIM49-60-00-810-831	257-2 FADEC FAULT (Status) – Fault Isolation
FIM49-60-00-810-832	258-2 FADEC FAULT (Status) – Fault Isolation
FIM49-60-00-810-834	31-3 FADEC FAULT (Status) – Fault Isolation
FIM49-60-00-810-835	46-5 FADEC FAULT (Status) – Fault Isolation
FIM49-60-00-810-836	50-5 FADEC FAULT (Status) – Fault Isolation
FIM49-60-00-810-837	51-5 FADEC FAULT (Status) – Fault Isolation
FIM49-60-00-810-838	52-5 FADEC FAULT (Status) – Fault Isolation
FIM49-60-00-810-839	6-3 FADEC FAULT (Status) – Fault Isolation
FIM49-60-00-810-840	64-4 FADEC FAULT (Status) – Fault Isolation
FIM49-60-00-810-841	91-5 FADEC FAULT (Status) – Fault Isolation
FIM49-60-00-810-842	92-5 FADEC FAULT (Status) – Fault Isolation

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FIM49-60-00-810-843	94-5 FADEC FAULT (Status) – Fault Isolation
FIM49-60-00-810-844	95-5 FADEC FAULT (Status) – Fault Isolation
FIM49-60-00-810-845	96-5 FADEC FAULT (Status) – Fault Isolation
FIM49-60-00-810-846	97-5 FADEC FAULT (Status) – Fault Isolation
FIM49-60-00-810-847	99-5 FADEC FAULT (Status) – Fault Isolation
FIM49-60-00-810-850	110-3 SPEED AT POWERUP (Status) – Fault Isolation
FIM49-60-00-810-851	100-5 FADEC FAULT (Status) – Fault Isolation
FIM49-70-00-810-801	93-5 SPEED 1 OPEN (Status) – Fault Isolation
FIM49-70-00-810-802	98-2 SPEED 2 OPEN (Status) – Fault Isolation
FIM49-70-00-810-803	151-5 AMB PRESS SENSOR HIGH (Status) – Fault Isolation
FIM49-70-00-810-804	152-5 AMB PRESS SENSOR LOW (Status) – Fault Isolation
FIM49-70-00-810-805	270-5 DMM TEMP SENSOR (Status) – Fault Isolation
FIM49-70-00-810-806	271-5 DMM FAULT (Status) – Fault Isolation
FIM49-70-00-810-807	126-5 EGT T/C 1 SHORT (Status) – Fault Isolation
FIM49-70-00-810-808	127-5 EGT T/C 2 SHORT (Status) – Fault Isolation
FIM49-70-00-810-809	128-5 EGT T/C 1 OPEN (Status) – Fault Isolation
FIM49-70-00-810-810	129-5 EGT T/C 2 OPEN (Status) – Fault Isolation
FIM49-70-00-810-811	130-4 EGT T/C 1 AND 2 FAULT (Status) – Fault Isolation
FIM49-70-00-810-812	101-3 SPEED 1 AND 2 FAULT (Status) – Fault Isolation
FIM49-70-00-810-813	62-4 LOW OIL PRESSURE SW FLT (Status) – Fault Isolation
FIM49-90-00-810-801	186-5 OIL DE-PRIME VLV SHORT (Status) – Fault Isolation
FIM49-90-00-810-802	187-5 OIL DE-PRIME VLV OPEN (Status) – Fault Isolation
FIM49-90-00-810-803	061-3 LOW OIL PRESSURE (Status) – Fault Isolation
FIM49-90-00-810-804	161-4 HIGH OIL TEMP (Status) – Fault Isolation
WM20-31-01-201	External General Visual Inspection of the Electrical Wiring Connector and Backshell

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3. Fault Confirmation

Subtask 49-20-00-810-001

A. Confirm the fault as follows:

- (1) Do the CDS fault indication retrieval (Refer to AMM45-00-49-742-801).
- (2) Erase the data from the CDS (Refer to AMM45-00-49-743-801).
- (3) Do the operational test of the APU (Refer to AMM49-00-00-710-801).
 - (a) If the CAWP APU caution light does not come on, no maintenance procedure is necessary. Do the Close Out.
 - (b) If the CAWP APU caution light does come on, do the fault indication retrieval again (Refer to AMM45-00-49-742-801). Do the Fault Isolation.

4. Fault Isolation

Subtask 49-20-00-810-030

NOTE: The message numbers below give the fault code and the operational state (example 001-0 FADEC FAULT).

A. Isolate the fault as follows:

- (1) If the message is 001-0 FADEC FAULT, do the fault isolation for 001-0 FADEC FAULT (Refer to FIM49-60-00-810-801). Do the Close Out.
- (2) If the message is 006-3 FADEC FAULT, do the fault isolation for 6-3 FADEC FAULT (Refer to FIM49-60-00-810-839). Do the Close Out.
- (3) If the message is 007-1, 007-2, 007-3, or 007-4 ILLOGICAL SWITCHES, do the fault isolation for 7-4 ILLOGICAL SWITCHES (Refer to FIM49-10-00-810-801). Do the Close Out.
- (4) If the message is 011-0 FADEC FAULT, do the fault isolation for 11-5 FADEC FAULT (Refer to FIM49-60-00-810-806). Do the Close Out.
- (5) If the message is 016-0 FADEC FAULT, do the fault isolation for 16-5 FADEC FAULT (Refer to FIM49-60-00-810-812). Do the Close Out.
- (6) If the message is 031-0 FADEC FAULT, do the fault isolation for 31-3 FADEC FAULT (Refer to FIM49-60-00-810-834). Do the Close Out.
- (7) If the message is 032-2 or 032-3 AIRBORNE OPERATION, do the fault isolation for 32-3 AIRBORNE OPERATION (Refer to FIM49-10-00-810-802). Do the Close Out.
- (8) If the message is 046-0 FADEC FAULT, do the fault isolation for 46-5 FADEC FAULT (Refer to FIM49-60-00-810-835). Do the Close Out.
- (9) If the message is 047-1, 047-2, 047-3, or 047-4 BLEED VALVE STUCK OPEN do the fault isolation for 47-5 BLEED VLV STUCK OPEN (Refer to FIM49-50-00-810-801). Do the Close Out.
- (10) If the message is 048-3 BLEED VALVE STUCK CLOSED, do the fault isolation for 48-5 BLEED VLV STUCK CLOSED (Refer to FIM49-50-00-810-802). Do the Close Out.



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- (11) If the message is 049-0, 049-1, 049-2, 049-3, or 049-4 BLEED SWITCH FAULT do the fault isolation for 49-5 BLEED VLV SWITCH (Refer to FIM49-50-00-810-803). Do the Close Out.
- (12) If the message is 050-0 FADEC FAULT, do the fault isolation for 50-5 FADEC FAULT (Refer to FIM49-60-00-810-836). Do the Close Out.
- (13) If the message is 051-0 FADEC FAULT, do the fault isolation for 51-5 FADEC FAULT (Refer to FIM49-60-00-810-837). Do the Close Out.
- (14) If the message is 052-0 FADEC FAULT, do the fault isolation for 52-5 FADEC FAULT (Refer to FIM49-60-00-810-838). Do the Close Out.
- (15) If the message is 053-2 EXCITER FAULT, do the fault isolation for 53-5 EXCITER FAULT (Refer to FIM49-40-00-810-803). Do the Close Out.
- (16) If the message is 054-2 IGNITOR PLUG A OPEN, do the fault isolation for 54-5 IGNITOR PLUG A OPEN (Refer to FIM49-40-00-810-802). Do the Close Out.
- (17) If the message is 055-2 IGNITOR PLUG B OPEN, do the fault isolation for 55-5 IGNITOR PLUG B OPEN (Refer to FIM49-40-00-810-803). Do the Close Out.
- (18) If the message is 061-3 LOW OIL PRESSURE, do the fault isolation for 061-3 LOW OIL PRESSURE (Refer to FIM49-90-00-810-803). Do the Close Out.
- (19) If the message is 062-3 LOW OIL PRESSURE SW FLT, do the fault isolation for 62-4 LOW OIL PRESSURE SW FLT (Refer to FIM49-70-00-810-813). Do the Close Out.
- (20) If the message is 064-0 LOW SW STIM FAIL, do the fault isolation for 64-4 FADEC FAULT (Refer to FIM49-60-00-810-840). Do the Close Out.
- (21) If the message is 091-2 or 91-3 FADEC FAULT do the fault isolation for 91-5 FADEC FAULT (Refer to FIM49-60-00-810-841). Do the Close Out.
- (22) If the message is 092-1, 092-2, 092-3, or 092-4 FADEC FAULT do the fault isolation for 92-5 FADEC FAULT (Refer to FIM49-60-00-810-842). Do the Close Out.
- (23) If the message is 093-1, 093-2, 093-3, or 093-4 SPEED 1 OPEN do the fault isolation for 93-5 SPEED 1 OPEN (Refer to FIM49-70-00-810-801). Do the Close Out.
- (24) If the message is 094-0, 094-1, 094-2, 094-3, or 094-4 FADEC FAULT do the fault isolation for 94-5 FADEC FAULT (Refer to FIM49-60-00-810-843). Do the Close Out.
- (25) If the message is 095-0, FADEC FAULT do the fault isolation for 95-5 FADEC FAULT (Refer to FIM49-60-00-810-844). Do the Close Out.
- (26) If the message is 096-2, or 096-3 FADEC FAULT do the fault isolation for 96-5 FADEC FAULT (Refer to FIM49-60-00-810-845). Do the Close Out.
- (27) If the message is 097-1, 097-2, 097-3, or 097-4 FADEC FAULT do the fault isolation for 97-5 FADEC FAULT (Refer to FIM49-60-00-810-846). Do the Close Out.
- (28) If the message is 098-1, 098-2, 098-3, or 098-4 SPEED 2 OPEN do the fault isolation for 98-2 SPEED 2 OPEN (Refer to FIM49-70-00-810-802). Do the Close Out.
- (29) If the message is 099-0, 099-1, 099-2, 099-3, or 099-4 FADEC FAULT do the fault isolation for 99-5 FADEC FAULT (Refer to FIM49-60-00-810-847). Do the Close Out.
- (30) If the message is 100-0 FADEC FAULT, do the fault isolation for 100-5 FADEC FAULT (Refer to FIM49-60-00-810-851). Do the Close Out.

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- (31) If the message is 101-0, 101-1, 101-2, 101-3, or 101-4 SPEED 1 AND 2 FAULT, do the fault isolation for 101-3 SPEED 1 AND 2 FAULT (Refer to FIM49-70-00-810-812). Do the Close Out.
- (32) If the message is 102-3 UNDERSPEED, do the fault isolation for 102-3 UNDERSPEED (Refer to FIM49-20-00-810-804). Do the Close Out.
- (33) If the message is 103-2 FAIL TO CRANK, do the fault isolation for 103-3 FAIL TO CRANK (Refer to FIM49-40-00-810-806). Do the Close Out.
- (34) If the message is 104-2 LOW ACCELERATION, do the fault isolation for 104-3 LOW ACCELERATION (Refer to FIM49-20-00-810-802). Do the Close Out.
- (35) If the message is 106-1, 106-2, 106-3, or 106-4 OVERSPEED, do the fault isolation for 106-1, 106-2, 106-3 or 106-4 OVERSPEED (Refer to FIM49-20-00-810-805). Do the Close Out.>
- (36) If the message is 110-0 SPEED AT POWER UP, do the fault isolation for 110-3 SPEED AT POWER UP (Refer to FIM49-60-00-810-850). Do the Close Out.
- (37) If the message is 123-0, 123-1, 123-2, 123-3, or 123-4 BACK-UP OVERSPEED, do the fault isolation for 123-0,123-1,123-2, 123-3 or 123-4 BACK-UP OVERSPEED (Refer to FIM49-20-00-810-811). Do the Close Out.
- (38) If the message is 124-2 DECELERATION, do the fault isolation for 124-3 DECELERATION (Refer to FIM49-20-00-810-806). Do the Close Out.
- (39) If the message is 126-2, or 126-3 EGT T/C 1 SHORT do the fault isolation for 126-2 or 126-3 EGT T/C 1 SHORT (Refer to FIM49-70-00-810-807). Do the Close Out.
- (40) If the message is 127-2, or 127-3 EGT T/C 2 SHORT do the fault isolation for 127-5 EGT T/C 2 SHORT (Refer to FIM49-70-00-810-808). Do the Close Out.
- (41) If the message is 128-0, 128-1, 128-2, 128-3, or 128-4 EGT T/C 1 OPEN do the fault isolation for 128-5 EGT T/C 1 OPEN (Refer to FIM49-70-00-810-809). Do the Close Out.
- (42) If the message is 129-0, 129-1, 129-2, 129-3, or 129-4 EGT T/C 2 OPEN do the fault isolation for 129-5 EGT T/C 2 OPEN (Refer to FIM49-70-00-810-810). Do the Close Out.
- (43) If the message is 130-1, 130-2, 130-3, or 130-4 EGT T/C 1 AND 2 FAULT, do the fault isolation for 130-4 EGT T/C 1 AND 2 FAULT (Refer to FIM49-70-00-810-811). Do the Close Out.
- (44) If the message is 131-2 OVERTEMP AT START, do the fault isolation for 131-4 OVERTEMP AT START (Refer to FIM49-20-00-810-807). Do the Close Out.
- (45) If the message is 132-3 OVERTEMP AT RUN, do the fault isolation for 132-4 OVERTEMP AT RUN (Refer to FIM49-20-00-810-808). Do the Close Out.
- (46) If the message is 133-2 FAIL TO LIGHT, do the fault isolation for 133-2 FAIL TO LIGHT (Refer to FIM49-20-00-810-803). Do the Close Out.
- (47) If the message is 141-0, 141-1, 141-2, 141-3, or 141-4 FADEC FAULT do the fault isolation for 141-5 FADEC FAULT (Refer to FIM49-60-00-810-807). Do the Close Out.
- (48) If the message is 143-0, 143-1, 143-2, 143-3, or 143-4 FADEC OVERTEMP do the fault isolation for 143-5 FADEC OVERTEMP (Refer to FIM49-60-00-810-802). Do the Close Out.



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- (49) If the message is 151-0, 151-1, 151-2, 151-3, or 151-4 AMB PRESS SENSOR HIGH do the fault isolation for 151-5 AMB PRESS SENSOR HIGH (Refer to FIM49-70-00-810-803). Do the Close Out.
- (50) If the message is 152-0, 152-1 152-2, 152-3, or 152-4 AMB PRESS SENSOR LOW do the fault isolation for 152-5 AMB PRESS SENSOR LOW (Refer to FIM49-70-00-810-804). Do the Close Out.
- (51) If the message is 153-1, 153-2, 153-3, or 153-4 FADEC FAULT do the fault isolation for 153-5 FADEC FAULT (Refer to FIM49-60-00-810-809). Do the Close Out.
- (52) If the message is 154-1, 154-2, 154-3, or 154-4 FADEC FAULT do the fault isolation for 154-5 FADEC FAULT (Refer to FIM49-60-00-810-810). Do the Close Out.
- (53) If the message is 161-1, 161-2, or 161-3 HIGH OIL TEMP, do the fault isolation for 161-4 HIGH OIL TEMP (Refer to FIM49-90-00-810-804). Do the Close Out.
- (54) If the message is 162-0 FADEC FAULT, do the fault isolation for 162-4 FADEC FAULT (Refer to FIM49-60-00-810-811). Do the Close Out.
- (55) If the message is 166-2 START OUTPUT SHORT, do the fault isolation for 166-5 START OUTPUT SHORT (Refer to FIM49-10-00-810-803). Do the Close Out.
- (56) If the message is 168-1, 168-2, 168-3, or 168-4 FADEC FAULT do the fault isolation for 168-5 FADEC FAULT (Refer to FIM49-60-00-810-813). Do the Close Out.
- (57) If the message is 171-0, or 171-2 START FUEL VALVE SHORT do the fault isolation for 171-5 START FUEL VALVE SHORT (Refer to FIM49-30-00-810-801). Do the Close Out.
- (58) If the message is 172-0, 172-1, or 172-2 START FUEL VALVE OPEN, do the fault isolation for 172-5 START FUEL VALVE OPEN (Refer to FIM49-30-00-810-8021). Do the Close Out.
- (59) If the message is 173-0, 173-1, 173-2, 173-3, or 173-4 FADEC FAULT do the fault isolation for 173-5 FADEC FAULT (Refer to FIM49-60-00-810-814). Do the Close Out.
- (60) If the message is 176-0, 176-2, or 176-3 MAIN FUEL VALVE SHORT, do the fault isolation for 176-4 MAIN FUEL VALVE SHORT (Refer to FIM49-30-00-810-803). Do the Close Out.>
- (61) If the message is 177-0, or 177-1 MAIN FUEL VALVE OPEN, do the fault isolation for 177-5 MAIN FUEL VALVE OPEN CIRCUIT (Refer to FIM49-30-00-810-804). Do the Close Out.
- (62) If the message is 178-4 MN FUEL VLV STUCK OPEN, do the fault isolation for 178-5 MN FUEL VLV STUCK OPEN (Refer to FIM49-30-00-810-805). Do the Close Out.
- (63) If the message is 179-0, 179-2, or 179-3 FADEC FAULT, do the fault isolation for 179-5 FADEC FAULT (Refer to FIM49-60-00-810-815). Do the Close Out.
- (64) If the message is 186-0, 186-1, 186-2, or 186-4 OIL PUMP DE-PRIME VLV SHORT do the fault isolation for 186-5 OIL DE-PRIME VLV SHORT (Refer to FIM49-90-00-810-801). Do the Close Out.
- (65) If the message is 187-0, or 187-1 OIL PUMP DE-PRIME VALVE OPEN do the fault isolation for 187-5 OIL DE-PRIME VLV OPEN (Refer to FIM49-90-00-810-802). Do the Close Out.



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- (66) If the message is 188-0, 188-1, 188-2, 188-3, or 188-4 FADEC FAULT do the fault isolation for 188-5 FADEC FAULT (Refer to FIM49-60-00-810-817). Do the Close Out.
- (67) If the message is 191-1, 191-2, or 191-3 EXCITER SHORT do the fault isolation for 191-5 EXCITER SHORT (Refer to FIM49-40-00-810-804). Do the Close Out.
- (68) If the message is 193-1, 193-2, 193-3, or 193-4 FADEC FAULT, do the fault isolation for 193-5 FADEC FAULT (Refer to FIM49-60-00-810-818). Do the Close Out.
- (69) If the message is 211-0, or 211-3 RTL OUTPUT SHORT do the fault isolation for 211-5 211-0 RTL OUTPUT SHORT (Refer to FIM49-10-00-810-805). Do the Close Out.
- (70) If the message is 213-0, 213-1, 213-2, 213-3, or 213-4 FADEC FAULT do the fault isolation for 213-5 FADEC FAULT (Refer to FIM49-60-00-810-819). Do the Close Out.
- (71) If the message is 216-0, 216-1, or 216-4 FAULT OUTPUT SHORT do the fault isolation for 216-5 FAULT OUTPUT SHORT (Refer to FIM49-10-00-810-807). Do the Close Out.
- (72) If the message is 218-0, 218-1, 218-2, 218-3, or 218-4 FADEC FAULT do the fault isolation for 218-5 FADEC FAULT (Refer to FIM49-60-00-810-820). Do the Close Out.
- (73) If the message is 232-0, or 232-3 BLEED SERVO SHORT do the fault isolation for 232-5 BLEED SERVO SHORT (Refer to FIM49-50-00-810-804). Do the Close Out.
- (74) If the message is 233-0, or 233-3 FADEC FAULT do the fault isolation for 233-5 FADEC FAULT (Refer to FIM49-60-00-810-822). Do the Close Out.
- (75) If the message is 234-0, or 234-3 BLEED SERVO OPEN do the fault isolation for 234-5 BLEED SERVO OPEN (Refer to FIM49-50-00-810-805). Do the Close Out.
- (76) If the message is 242-0, 242-2, 242-3, or 242-4 FUEL SERVO SHORT do the fault isolation for 242-5 FUEL SERVO SHORT (Refer to FIM49-30-00-810-806). Do the Close Out.
- (77) If the message is 243-0, 243-2, 243-3, or 243-4 FADEC FAULT do the fault isolation for 243-5 FADEC FAULT (Refer to FIM49-60-00-810-824). Do the Close Out.
- (78) If the message is 244-0, 244-2, 244-3, or 244-4 FUEL SERVO OPEN do the fault isolation for 244-5 FUEL SERVO OPEN (Refer to FIM49-30-00-810-807). Do the Close Out.
- (79) If the message is 251-0 , 251-1, 251-2, 251-3, or 251-4 FADEC FAULT, do the fault isolation for 251-3 FADEC FAULT (Refer to FIM49-60-00-810-825). Do the Close Out.
- (80) If the message is 252-0, 252-1, 252-2, 252-3, or 252-4 FADEC FAULT, do the fault isolation for 252-1 FADEC FAULT (Refer to FIM49-60-00-810-826). Do the Close Out.
- (81) If the message is 253-0 FADEC FAULT, do the fault isolation for 253-2 FADEC FAULT (Refer to FIM49-60-00-810-827). Do the Close Out.
- (82) If the message is 254-0, 254-1, 254-2, 254-3, or 254-4 FADEC FAULT, do the fault isolation for 254-2 FADEC FAULT (Refer to FIM49-60-00-810-828). Do the Close Out.
- (83) If the message is 255-0, 255-1, 255-2, 255-3, or 255-4 FADEC FAULT, do the fault isolation for 255-2 FADEC FAULT (Refer to FIM49-60-00-810-829). Do the Close Out.
- (84) If the message is 256-0, 256-1, 256-2, 256-3, or 256-4 FADEC FAULT, do the fault isolation for 256-2 FADEC FAULT (Refer to FIM49-60-00-810-830). Do the Close Out.
- (85) If the message is 257-0, 257-1, 257-2, 257-3, or 257-4 FADEC FAULT, do the fault isolation for 257-2 FADEC FAULT (Refer to FIM49-60-00-810-831). Do the Close Out.

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- (86) If the message is 258-0, 258-1, 258-2, 258-3, or 258-4 FADEC FAULT, do the fault isolation for 258-2 FADEC FAULT (Refer to FIM49-60-00-810-832). Do the Close Out.
- (87) If the message is 270-0, 270-1, 270-2, 270-3, or 270-4 DMM TEMP SENSOR do the fault isolation for 270-5 DMM TEMP SENSOR (Refer to FIM49-70-00-810-805). Do the Close Out.
- (88) If the message is 271-0, 271-1, 271-2, 271-3, or 271-4 DMM FAULT do the fault isolation for 271-5 DMM FAULT (Refer to FIM49-70-00-810-806). Do the Close Out.

5. Close Out

Subtask 49-20-00-941-018

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