



FAULT ISOLATION MANUAL

**ON A/C ALL

TASK 29-30-00-810-803

#1 HYD FLUID HOT (Caution) – Fault Isolation

1. General

- A. This fault isolation procedure is for when the caution and warning panel (CAWP) #1 HYD FLUID HOT caution light is on.
- B. The CAWP #1 HYD FLUID HOT caution light comes on when the hydraulic reservoir fluid temperature is more than 225°F (107°C).
- C. There are no related central diagnostic system messages.

2. Job Set-Up Information

Subtask 29-30-00-946-004

A. Reference Information

REFERENCE	DESIGNATION
AMM TASK 29-11-00-710-801	Operational Test of the No. 1 and No. 2 Main Hydraulic Systems
AMM TASK 29-11-01-000-801	Removal of the Variable Delivery Hydraulic Pump
AMM TASK 29-11-01-400-801	Installation of the Variable Delivery Hydraulic Pump
WM 29-11-00-1	Main Hydraulic (No. 1 and No. 2) System
AMM TASK 29-11-34-000-801	Removal of the No. 1 and No. 2 Hydraulic System Case-Drain Filter Elements
AMM TASK 29-11-34-400-801	Installation of the No. 1 and No. 2 Hydraulic System Case-Drain Filter Elements
AMM TASK 29-11-41-000-801	Removal of the Hydraulic Fluid to Fuel Heat Exchanger
AMM TASK 29-11-41-400-801	Installation of the Hydraulic Fluid to Fuel Heat Exchanger
AMM TASK 29-11-51-000-801	Removal of the No. 1 Hydraulic System Balanced Relief Valve
AMM TASK 29-11-51-400-801	Installation of the No. 1 Hydraulic System Balanced Relief Valve
AMM TASK 29-30-06-000-801	Removal of the 225°F Temperature Switch
AMM TASK 29-30-06-400-801	Installation of the 225°F Temperature Switch
AMM TASK 31-51-01-000-801	Removal of the Caution and Warning Panel
AMM TASK 31-51-01-400-801	Installation of the Caution and Warning Panel

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3. Fault Confirmation

Subtask 29-30-00-810-009

A. Confirm the fault as follows:

- (1) Do the operational test of the No. 1 and No. 2 main hydraulic systems (Refer to AMM TASK 29-11-00-710-801).
 - (a) If the #1 HYD FLUID HOT caution light does not come on, no maintenance procedure is necessary. Do the Close out.
 - (b) If #1 HYD FLUID HOT caution light does come on, do the Fault Isolation.

4. Fault Isolation

Subtask 29-30-00-810-010

A. Isolate the fault as follows:

- (1) Remove and replace the No. 1 case drain filter element (Refer to AMM TASK 29-11-34-000-801 and AMM TASK 29-11-34-400-801).
- (2) If the fault still continues and over-pressure condition is sensed, remove and replace the No. 1 engine driven pump (EDP) (Refer to AMM TASK 29-11-01-000-801 and AMM TASK 29-11-01-400-801).
- (3) If the fault still continues and an under-pressure condition is sensed, remove and replace the pressure relief valve (Refer to AMM TASK 29-11-51-000-801 and AMM TASK 29-11-51-400-801).
- (4) If the fault still continues and the pressure is within limits, remove and replace the oil fuel heat exchanger (Refer to AMM TASK 29-11-41-000-801 and AMM TASK 29-11-41-400-801).
- (5) If the fault still continues, remove and replace the 225°F temperature switch (Refer to AMM TASK 29-30-06-000-801 and AMM TASK 29-30-06-400-801).
- (6) If the fault still continues, remove and replace the CAWP (Refer to AMM TASK 31-51-01-000-801 and AMM TASK 31-51-01-400-801).
- (7) If the fault still continues, check the wiring between the 225°F temperature switch and the CAWP (Refer to WM 29-11-00-1):

2921-P10 (225° F Temperature Switch)	3312-P3 (CAWP)
B	29

- (8) If the wiring is unserviceable, repair the wiring. Do the Close Out.



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5. Close Out

Subtask 29-30-00-941-004

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

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