



FAULT ISOLATION MANUAL

**ON A/C ALL

TASK 29-30-00-810-804

#1 STBY HYD PUMP HOT (Caution) – Fault Isolation

1. General

- A. This fault isolation procedure is for when the caution and warning panel (CAWP) #1 STBY HYD PUMP HOT caution light is on.
- B. The CAWP #1 STBY HYD PUMP HOT caution light comes on when the standby power unit (SPU) electrical motor is operating at a too high temperature.
- C. There are no related central diagnostic system (CDS) messages.

2. Job Set-Up Information

Subtask 29-30-00-943-003

A. Tools & Equipment

- (1) GSB2400001 Multimeter Digital — Volt/ohm

Subtask 29-30-00-946-016

REFERENCE	DESIGNATION
AMM TASK 12-10-29-210-801	Fluid Quantity Check of the No. 1 and No. 2 Hydraulic Systems
AMM TASK 29-11-00-210-802	Visual Check of the No. 1 and No. 2 Hydraulic System Filter Differential Pressure Indicators
AMM TASK 29-11-36-000-801	Removal of the Standby Power Unit
AMM TASK 29-11-36-400-801	Installation of the Standby Power Unit
AMM TASK 29-11-36-710-801	Operational Test of the Standby Power Unit
WM 29-11-00-1	Main Hydraulic (No. 1 and No. 2) System
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

3. Fault Confirmation

Subtask 29-30-00-810-013

A. Confirm the fault as follows:

- (1) Do an operational test of the standby power unit (SPU) (Refer to AMM TASK 29-11-36-710-801).
 - (a) If the #1 STBY HYD PUMP HOT caution light does not come on, no maintenance procedure is necessary. Do the Close Out.



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- (b) If the #1 STBY HYD PUMP HOT caution light does come on, do the Fault Isolation.

4. Fault Isolation

Subtask 29-30-00-810-036

A. Isolate the fault as follows:

- (1) Disconnect the SPU electrical connector (P25) (Refer to WM 29-11-00-1) and do a check of the SPU temperature switch circuit.
- (2) Measure for continuity between Pins B and D of the SPU.
- (3) If there is no continuity between Pins B and D, do a check of the wiring between the SPU and CAWP (Refer to WM 29-11-00-1).

2921-P25 (SPU)	3312-P3 (CAWP)
B	50

- (4) If there is continuity between Pins B and D, change the wiring at connector J25 to use Pin F for the temperature switch connection (Refer to WM 29-11-00-1).

NOTE: This will use the spare temperature switch of the electric motor.

- (5) Do an operational test of the SPU (Refer to AMM TASK 29-11-36-710-801).
- (6) If the #1 STBY HYD PUMP HOT caution light does not come on, do the close out.
- (7) If the #1 STBY HYD PUMP HOT caution light is shown, replace the SPU (Refer to AMM TASK 29-11-36-000-801 and AMM TASK 29-11-36-400-801).
- (8) Return the connector J25 wiring to use Pin D for the temperature switch connection WM 29-11-00-1).

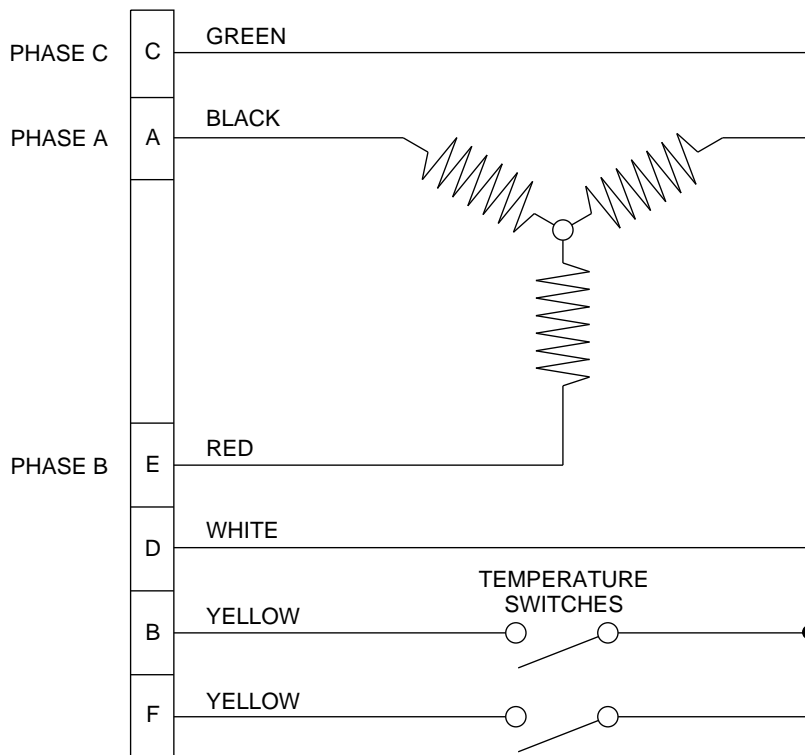
5. Close Out

Subtask 29-30-00-941-003

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



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SPU Motor Electrical Diagram

pa162a01.cgm

No. 1 Standby Hydraulic Pump Hot (Caution) – Fault Isolation
Figure 201

PSM 1-84-23
EFFECTIVITY:
See First Effectivity on Page 212 of 29-30-00

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Nov 05/2021