

ZONES: 133 134 210

W/C NUMBER: 317F2901

DATE:

A/C NUMBER:

REV. DATE: 11/15/07

FREQUENCY: 4C

TOOLS	DESCRIPTION	QTY
BH24944-7	Kit - Heater Probes, TEMPCAL	1
H394R	Tester, Thermo Switch	1
BH16440-40	Heater Probe (Alt. to BH24944-7)	1

## REFERENCES

AMM 29-32-12

MECH INSP

MPD ITEM: 29-310-00

FUNCTIONALLY CHECK A &amp; B HYDRAULIC SYSTEM CASE DRAIN WARNING SWITCHES.

## 1. Case Drain Overheat Switch Test

## A. Case Drain Overheat Switch Test (Hydraulic System A)

\_\_\_\_\_ XXXXX (1) Remove the system A case drain overheat switch (S798).  
To remove it, do this task: Hydraulic Fluid Overheat  
Warning Switch Removal, AMM TASK 29-32-12-000-801.

(a) Make sure that this circuit breaker is open and  
install a DO-NOT-CLOSE tag:

1) F/O Electrical System Panel, P6-3

a) 6F12 INDICATOR MASTER DIM SECT 6

(b) Reconnect electrical connector D2688 to the  
overheat switch (S798).

(c) Remove the DO-NOT-CLOSE tag and close this circuit  
breaker:

1) F/O Electrical System Panel, P6-3

a) 6F12 INDICATOR MASTER DIM SECT 6

\_\_\_\_\_ XXXXX (2) Connect the K-Type thermocouple switch tester, H394R  
and heater probe BH16440-40 to the overheat switch.

NOTE: The heater probe BH16440-40 is for use with the  
hydraulic fluid overheat warning switches, and is  
found in this heater probe kit: TEMPCAL,  
BH24944-7.

\_\_\_\_\_ XXXXX (3) Do these steps to functionally check the overheat

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switch:

NOTE: The following steps should be repeated twice.

(a) Do a check of the overheat switch's actuation "closed" temperature:

- 1) Stabilize the overheat switch temperature at 200+/-5 degrees F (93.3+/-2.8 degrees C) for a minimum of two (2) minutes.
- 2) Slowly increase the overheat switch temperature at a rate of 5+/-1 degrees F/minute (2.8+/-0.6 degrees C/minute) until the OVERHEAT light (ELEC 2) on the Hydraulic Panel (P5) comes on.
- 3) Make a record of the temperature when OVERHEAT light (ELEC 2) came on.

1st Light On Temperature: \_\_\_\_\_

2nd Light On Temperature: \_\_\_\_\_

- 4) Make sure the overheat switch actuated "closed" at a temperature of 220+/-5 degrees F (104.4+/-2.8 degrees C) when the OVERHEAT light (ELEC 2) came on.

(b) Do a check of the overheat switch's actuation "open" temperature:

- 1) Slowly decrease the overheat switch temperature at a rate of 5+/-1 degrees F/minute (2.8+/-0.6 degrees C/minute) until the OVERHEAT light (ELEC 2) on the Hydraulic Panel (P5) goes off.
- 2) Make a record of the temperature when OVERHEAT light (ELEC 2) went off.

1st Light Off Temperature: \_\_\_\_\_

2nd Light Off Temperature: \_\_\_\_\_

- 3) Make sure the overheat switch actuated "open" at a temperature no less than 165 degrees F (73.9 degrees C) when the OVERHEAT light (ELEC 2)

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went off.

(c) Make sure there is no less than 5 degrees F (2.8 degrees C) of temperature differential between the recorded temperatures of the overheat switch "closed" and "open" actuations.

(d) Do each of the above steps a second time.

\_\_\_\_\_ XXXXX (4) Disconnect the K-Type thermocouple switch tester, H394R and heater probe BH16440-40 from the overheat switch.

\_\_\_\_\_ XXXXX (5) Reinstall the system A case drain overheat switch (S798):

(a) Open this circuit breaker and install DO-NOT-CLOSE tag:

1) F/O Electrical System Panel, P6-3

a) 6F12 INDICATOR MASTER DIM SECT 6

(b) Disconnect electrical connector D2688 from overheat switch (S798).

(c) Install the system A case drain overheat switch (S798). To install it, do this task: Hydraulic Fluid Overheat Warning Switch Installation, AMM TASK 29-32-12-400-801.

(d) Remove the DO-NOT-CLOSE tag and close this circuit breaker:

1) F/O Electrical System Panel, P6-3

a) 6F12 INDICATOR MASTER DIM SECT 6

B. Case Drain Overheat Switch Test (Hydraulic System B)

\_\_\_\_\_ XXXXX (1) Remove the system B case drain overheat switch (S799). To remove it, do this task: Hydraulic Fluid Overheat Warning Switch Removal, AMM TASK 29-32-12-000-801.

(a) Make sure that this circuit breaker is open and install a DO-NOT-CLOSE tag:

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1) F/O Electrical System Panel, P6-3

a) 6F11 INDICATOR MASTER DIM SECT 5

(b) Reconnect electrical connector D2690 to the  
overheat switch (S799).

(c) Remove the DO-NOT-CLOSE tag and close this circuit  
breaker:

1) F/O Electrical System Panel, P6-3

a) 6F11 INDICATOR MASTER DIM SECT 5

\_\_\_\_\_ XXXXX (2) Connect the K-Type thermocouple switch tester, H394R  
and heater probe BH16440-40 to the overheat switch.

NOTE: The heater probe BH16440-40 is for use with the  
hydraulic fluid overheat warning switches, and is  
found in this heater probe kit: TEMPCAL,  
BH24944-7.

\_\_\_\_\_ XXXXX (3) Do these steps to functionally check the overheat  
switch:

NOTE: The following steps should be repeated twice.

(a) Do a check of the overheat switch's actuation  
"closed" temperature:

1) Stabilize the overheat switch temperature at  
200+/-5 degrees F (93.3+/-2.8 degrees C) for a  
minimum of two (2) minutes.

2) Slowly increase the overheat switch temperature  
at a rate of 5+/-1 degrees F/minute (2.8+/-0.6  
degrees C/minute) until the OVERHEAT light  
(ELEC 1) on the Hydraulic Panel (P5) comes on.

3) Make a record of the temperature when OVERHEAT  
light (ELEC 1) came on.

1st Light On Temperature: \_\_\_\_\_

2nd Light On Temperature: \_\_\_\_\_

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4) Make sure the overheat switch actuated "closed" at a temperature of 220+/-5 degrees F (104.4+/-2.8 degrees C) when the OVERHEAT light (ELEC 1) came on.

(b) Do a check of the overheat switch's actuation "open" temperature:

1) Slowly decrease the overheat switch temperature at a rate of 5+/-1 degrees F/minute (2.8+/-0.6 degrees C/minute) until the OVERHEAT light (ELEC 1) on the Hydraulic Panel (P5) goes off.

2) Make a record of the temperature when OVERHEAT light (ELEC 1) went off.

1st Light Off Temperature: \_\_\_\_\_

2nd Light Off Temperature: \_\_\_\_\_

3) Make sure the overheat switch actuated "open" at a temperature no less than 165 degrees F (73.9 degrees C) when the OVERHEAT light (ELEC 1) went off.

(c) Make sure there is no less than 5 degrees F (2.8 degrees C) of temperature differential between the recorded temperatures of the overheat switch "closed" and "open" actuations.

(d) Do each of the above steps a second time.

\_\_\_\_\_ XXXXX (4) Disconnect the K-Type thermocouple switch tester, H394R and heater probe BH16440-40 from the overheat switch.

\_\_\_\_\_ XXXXX (5) Reinstall the system B case drain overheat switch (S799):

(a) Make sure that this circuit breaker is open and install a DO-NOT-CLOSE tag:

1) F/O Electrical System Panel, P6-3

a) 6F11 INDICATOR MASTER DIM SECT 5

(b) Disconnect electrical connector D2690 from overheat

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switch (S799).

(c) Install the system B case drain overheat switch (S799). To install it, do this task: Hydraulic Fluid Overheat Warning Switch Installation, AMM TASK 29-32-12-400-801.

(d) Remove the DO-NOT-CLOSE tag and close this circuit breaker:

1) F/O Electrical System Panel, P6-3

a) 6F11 INDICATOR MASTER DIM SECT 5

\*\*\*\*\* END OF WORKCARD \*\*\*\*\*