



COOLING PACK OVERHEAT SWITCH

A/C NUMBER:

CHECK BEING PERFORMED: Cust

W/C NUMBER: 215M2101 (continued)

MECH: INSP:

- | \_\_\_\_\_ XXXXX 2 TO DO THE TEST ON THE LEFT PACK OVERHEAT SWITCH:
- |
- | A TURN THE L PACK SELECTOR, ON THE PILOT'S OVERHEAD
- | PANEL, P5, TO THE OFF POSITION.
- |
- | 1 MAKE SURE THE PACK OFF LIGHT COMES ON.
- |
- | 2 PUT A DO-NOT-OPERATE TAG ON THE SELECTOR.
- |
- | B OPEN AND ATTACH A DO-NOT-CLOSE TAG TO THIS CIRCUIT
- | BREAKER, ON THE OVERHEAD CIRCUIT BREAKER PANEL, P11:
- |
- | 1 11A14, AIR COND PACK LEFT FLOW CONT

- | \_\_\_\_\_ XXXXX 3 TO DO THE TEST ON THE RIGHT PACK OVERHEAT SWITCH:
- |
- | A TURN THE R PACK SELECTOR, ON THE PILOT'S OVERHEAD
- | PANEL, P5, TO THE OFF POSITION.
- |
- | 1 MAKE SURE THE PACK OFF LIGHT COMES ON.
- |
- | 2 PUT THE DO-NOT-OPERATE TAG ON THE SELECTOR.
- |
- | B OPEN THE ATTACH A DO-NOT-CLOSE TAG TO THIS CIRCUIT
- | BREAKER, ON THE OVERHEAD CIRCUIT BREAKER PANEL, P11:
- |
- | 1 11A29, AIR COND PACK RIGHT FLOW CONT

- |
- | E REMOVE THE LEFT PACK OVERHEAT SWITCH
- |
- | \_\_\_\_\_ XXXXX 1 DISCONNECT THE ELECTRICAL CONNECTOR FROM THE SWITCH.
- |
- | CAUTION: USE TWO WRENCHES TO REMOVE THE SWITCH. IF YOU ONLY
- | USE ONE WRENCH TO REMOVE THE SWITCH, DAMAGE TO THE
- | DUCT CAN OCCUR.

- | \_\_\_\_\_ XXXXX 2 REMOVE THE SWITCH USING TWO WRENCHES
- |
- | NOTE: USE ONE WRENCH TO HOLD THE BOSS. USE THE OTHER
- | WRENCH TO TURN THE SWITCH.

- | \_\_\_\_\_ XXXXX 3 ATTACH AN M-31 TAG TO THE REMOVED SWITCH AND ROUTE TO

COOLING PACK OVERHEAT SWITCH

A/C NUMBER:

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W/C NUMBER: 215M2101 (continued)

MECH: INSP:

STORES. IN THE "REMOVAL REMARKS" SECTION OF THE M-31 WRITE, "SWITCH REQUIRES FUNCTIONAL CHECK OF TEMPERATURE SETTINGS."

F REMOVE THE RIGHT PACK OVERHEAT SWITCH

XXXXX 1 DISCONNECT THE ELECTRICAL CONNECTOR FROM THE SWITCH.

CAUTION: USE TWO WRENCHES TO REMOVE THE SWITCH. IF YOU ONLY USE ONE WRENCH TO REMOVE THE SWITCH, DAMAGE TO THE DUCT CAN OCCUR.

XXXXX 2 REMOVE THE SWITCH USING TWO WRENCHES

NOTE: USE ONE WRENCH TO HOLD THE BOSS. USE THE OTHER WRENCH TO TURN THE SWITCH.

XXXXX 3 ATTACH AN M-31 TAG TO THE REMOVED SWITCH AND ROUTE TO STORES. IN THE "REMOVAL REMARKS" SECTION OF THE M-31 WRITE, "SWITCH REQUIRES FUNCTIONAL CHECK OF TEMPERATURE SETTINGS."

2 PACK OVERHEAT SWITCH - INSTALLATION

A INSTALL LEFT PACK OVERHEAT SWITCH

XXXXX 1 INSTALL A NEW O-RING ON THE SWITCH.

XXXXX 2 MAKE SURE THE MATING SURFACE OF THE BOSS AND THE SWITCH NUT ARE CLEAN, TO ALLOW FOR ELECTRICAL GROUND.

XXXXX 3 APPLY A THIN LAYER OF THE ANTI-SEIZE COMPOUND TO THE THREADS OF THE SWITCH.

CAUTION: USE TWO WRENCHES TO INSTALL THE SWITCH. IF YOU ONLY USE ONE WRENCH TO INSTALL THE SWITCH, DAMAGE TO THE DUCT CAN OCCUR.

XXXXX 4 INSTALL THE SWITCH INTO THE DUCT BOSS AND LOCKWIRE THE SWITCH.

NOTE: USE ONE WRENCH TO HOLD THE BOSS. USE THE OTHER

COOLING PACK OVERHEAT SWITCH

A/C NUMBER:

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W/C NUMBER: 215M2101 (continued)

MECH: INSP:

WRENCH TO TURN THE SWITCH.

XXXXX 5 CONNECT THE ELECTRICAL CONNECTOR TO THE SWITCH.

B INSTALL RIGHT PACK OVERHEAT SWITCH

XXXXX 1 INSTALL A NEW O-RING ON THE SWITCH.

XXXXX 2 MAKE SURE THE MATING SURFACE OF THE BOSS AND THE SWITCH NUT ARE CLEAN, TO ALLOW FOR ELECTRICAL GROUND.

XXXXX 3 APPLY A THIN LAYER OF THE ANTI-SEIZE COMPOUND TO THE THREADS OF THE SWITCH.

CAUTION: USE TWO WRENCHES TO INSTALL THE SWITCH. IF YOU ONLY USE ONE WRENCH TO INSTALL THE SWITCH, DAMAGE TO THE DUCT CAN OCCUR.

XXXXX 4 INSTALL THE SWITCH INTO THE DUCT BOSS AND LOCKWIRE THE SWITCH.

NOTE: USE ONE WRENCH TO HOLD THE BOSS. USE THE OTHER WRENCH TO TURN THE SWITCH.

XXXXX 5 CONNECT THE ELECTRICAL CONNECTOR TO THE SWITCH.

3 PREPARE FOR SYSTEM TEST

THE FOLLOWING PROCEDURE APPLIES TO THE ON-AIRCRAFT PORTION OF THIS TASK (CIRCUIT VERIFICATION).

A PREPARE FOR THE TEST

XXXXX 1 PUSH THE ECS MSG SWITCH ON THE EICAS MAINT PANEL, ON THE RIGHT SIDE PANEL, P61.

XXXXX B TEST LEFT PACK OVERHEAT SWITCH

1 DISCONNECT THE ELECTRICAL CONNECTOR FROM THE LEFT PACK OVERHEAT SWITCH.

2 INSTALL A JUMPER BETWEEN THE PIN 1 AND THE PIN 2 OF THE

COOLING PACK OVERHEAT SWITCH

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W/C NUMBER: 215M2101 (continued)

MECH: INSP:

ELECTRICAL CONNECTOR.

3 REMOVE THE DO-NOT CLOSE TAG AND CLOSE THIS CIRCUIT BREAKER, ON THE P11 PANEL:

A 11A14, AIR COND PACK LEFT FLOW CONT

4 REMOVE THE DO-NOT-OPERATE TAG FROM THE L PACK SELECTOR, ON THE P5 PANEL.

A TURN THE SELECTOR TO THE AUTO POSITION.

5 MAKE SURE THE L PACK INOP LIGHT, ON THE P5 PANEL, COMES ON.

6 MAKE SURE THE EICAS MESSAGE, L PACK TEMP, SHOWS ON THE TOP DISPLAY.

7 OPEN AND ATTACH A DO-NOT-CLOSE TAG TO THIS CIRCUIT BREAKER, ON THE P11 PANEL:

A 11A14, AIR COND PACK LEFT FLOW CONT

8 REMOVE THE JUMPER FROM THE ELECTRICAL CONNECTOR.

9 CONNECT THE ELECTRICAL CONNECTOR TO THE LEFT PACK OVERHEAT SWITCH.

10 TURN L PACK SELECTOR, ON THE P5 PANEL, TO THE OFF AND THEN TO THE AUTO POSITIONS.

11 MAKE SURE THE L PACK INOP LIGHT, ON THE P5 PANEL, GOES OFF.

12 MAKE SURE THE EICAS MESSAGE, L PACK TEMP, DOES NOT SHOW ON THE TOP DISPLAY.

13 REMOVE THE DO-NOT-CLOSE TAG AND CLOSE THIS CIRCUIT BREAKER, ON THE P11 PANEL:

A 11A14, AIR COND PACK LEFT FLOW CONT

XXXXX C TEST RIGHT PACK OVERHEAT SWITCH

COOLING PACK OVERHEAT SWITCH

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A/C NUMBER:

CHECK BEING PERFORMED: Cust

W/C NUMBER: 215M2101 (continued)

MECH: INSP:

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- 1 DISCONNECT THE ELECTRICAL CONNECTOR FROM THE RIGHT PACK OVERHEAT SWITCH.
- 2 INSTALL A JUMPER BETWEEN THE PIN 1 AND THE PIN 2 OF THE ELECTRICAL CONNECTOR.
- 3 REMOVE THE DO-NOT CLOSE TAG AND CLOSE THIS CIRCUIT BREAKER, ON THE P11 PANEL:  
  
A 11A29 AIR COND PACK RIGHT FLOW CONT
- 4 REMOVE THE DO-NOT-OPERATE TAG FROM THE R PACK SELECTOR, ON THE P5 PANEL.  
  
A TURN THE SELECTOR TO THE AUTO POSITION.
- 5 MAKE SURE THE R PACK INOP LIGHT, ON THE P5 PANEL, COMES ON.
- 6 MAKE SURE THE EICAS MESSAGE, R PACK TEMP, SHOWS ON THE TOP DISPLAY.
- 7 OPEN AND ATTACH A DO-NOT-CLOSE TAG TO THIS CIRCUIT BREAKER, ON THE P11 PANEL:  
  
A 11A29 AIR COND PACK RIGHT FLOW CONT
- 8 REMOVE THE JUMPER FROM THE ELECTRICAL CONNECTOR.
- 9 CONNECT THE ELECTRICAL CONNECTOR TO THE RIGHT PACK OVERHEAT SWITCH.
- 10 TURN R PACK SELECTOR, ON THE P5 PANEL, TO THE OFF AND THEN TO THE AUTO POSITIONS.
- 11 MAKE SURE THE R PACK INOP LIGHT, ON THE P5 PANEL, GOES OFF.
- 12 MAKE SURE THE EICAS MESSAGE, R PACK TEMP, DOES NOT SHOW ON THE TOP DISPLAY.
- 13 REMOVE THE DO-NOT-CLOSE TAG AND CLOSE THIS CIRCUIT

COOLING PACK OVERHEAT SWITCH

A/C NUMBER:

CHECK BEING PERFORMED: Cust

W/C NUMBER: 215M2101 (continued)

MECH: INSP:

BREAKER, ON THE P11 PANEL:

A 11A29, AIR COND PACK RIGHT FLOW CONT

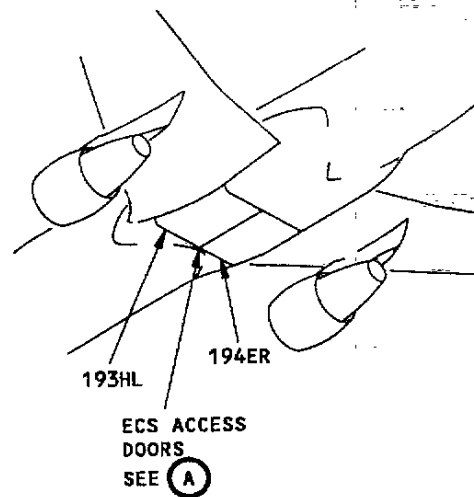
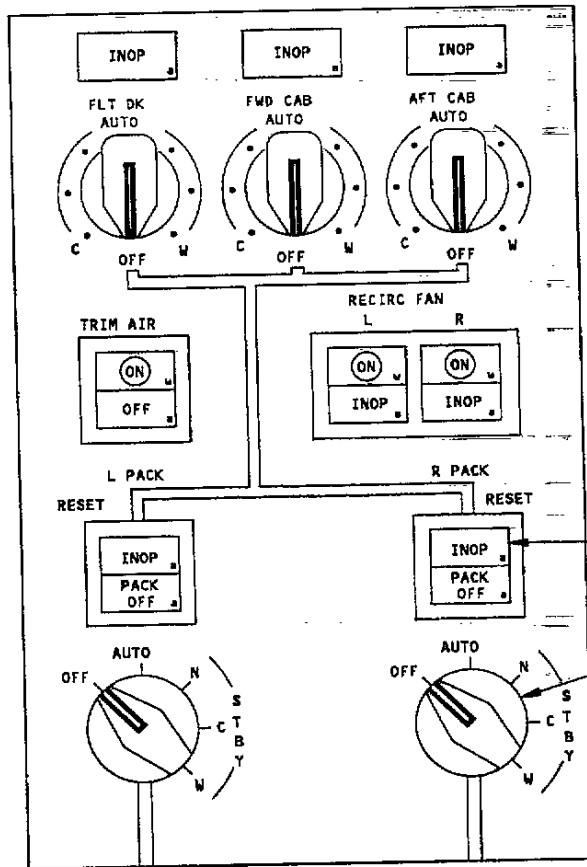
D PUT THE AIRPLANE BACK TO ITS USUAL CONDITION.

XXXXX 1 TURN THE L AND R PACK SELECTORS, ON THE P5 PANEL, TO THE OFF POSITION.

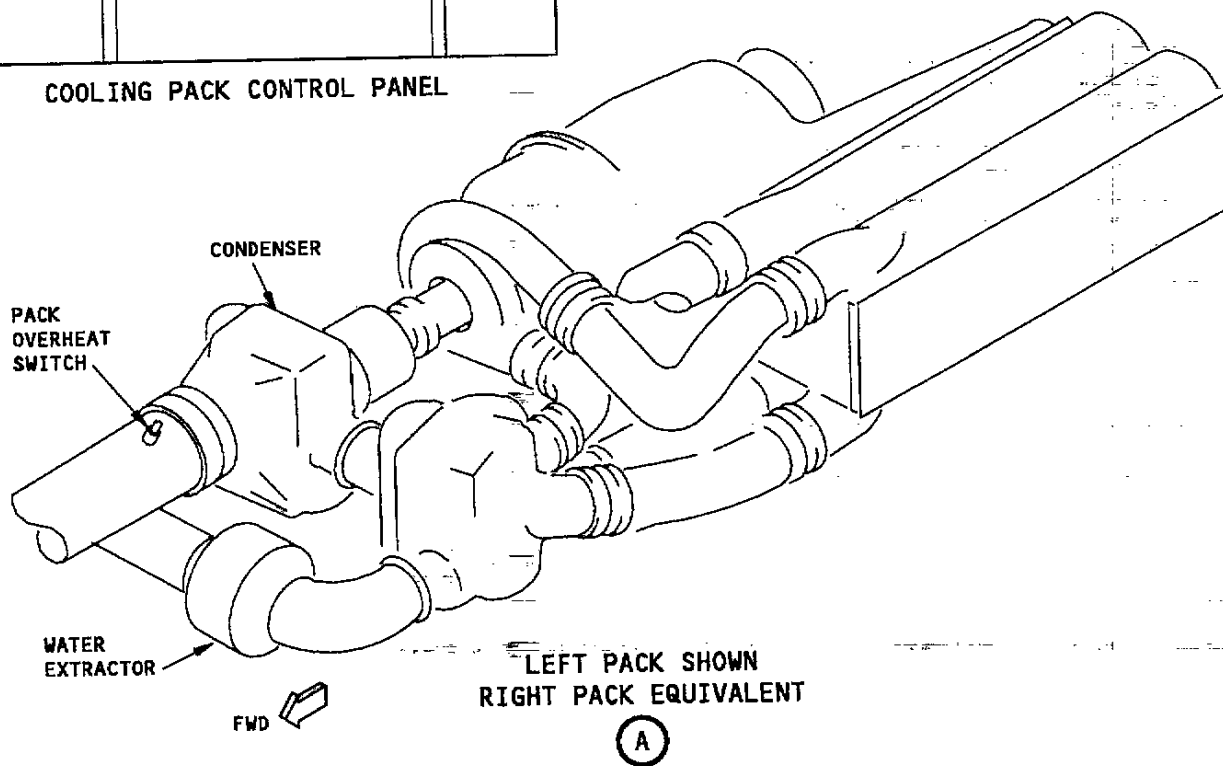
XXXXX 2 REMOVE THE ELECTRICAL POWER, IF IT IS NOT NECESSARY (REF 24-22-00).

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

215M2101



COOLING PACK CONTROL PANEL



PACK OVERHEAT SWITCH

FIGURE 1

08/06/1998