



AIRCRAFT MAINTENANCE MANUAL

THERMAL SWITCH - REMOVAL/INSTALLATION

EFFECTIVITY: ALL

1. General

- A. Six thermal switches are installed in the forward electronic compartment. Four of them are thermal control switches and two are overtemperature switches.
- B. The procedures in this section are given in the sequence below. The tasks identified with (♦) are part of the Scheduled Maintenance Requirements Document (SMRD).

TASK NUMBER	DESCRIPTION	EFFECTIVITY
21-26-04-000-801-A	THERMAL SWITCH - REMOVAL	ALL
21-26-04-400-801-A	THERMAL SWITCH - INSTALLATION	ALL



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TASK 21-26-04-000-801-A

EFFECTIVITY: ALL

2. THERMAL SWITCH - REMOVAL

A. General

- (1) This task gives the procedures to remove the thermal switches.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
AMM TASK 29-10-00-860-802-A/200	HYDRAULIC SYSTEM - PRESSURIZATION WITH EMDP
AMM TASK 32-00-02-910-801-A/200	SAFETY PIN OF THE NLG DOORS SOLENOID VALVE - INSTALLATION AND REMOVAL

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
113	113CZ	Nose-landing-gear compartment

D. Tools and Equipment

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Soldering iron - 30 W	To disconnect the electrical wires	

E. Auxiliary Items

Not Applicable

F. Consumable Materials

Not Applicable

G. Expandable Parts

Not Applicable

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Forward electronic compartment

I. Preparation

SUBTASK 841-002-A

- (1) On the overhead Circuit Breaker Panel, open the applicable circuit breaker(s) shown below, and attach (a) DO-NOT-CLOSE tag(s) to it (them):
- EXHAUST 1 (LH thermal control switches and overtemperature switches). Location tip: DC BUS1/AIR COND/PNEU/EXHAUST 1.



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- EXHAUST 2 (RH thermal control switches). Location tip: DC BUS2/AIR COND/PNEU/EXHAUST 2.

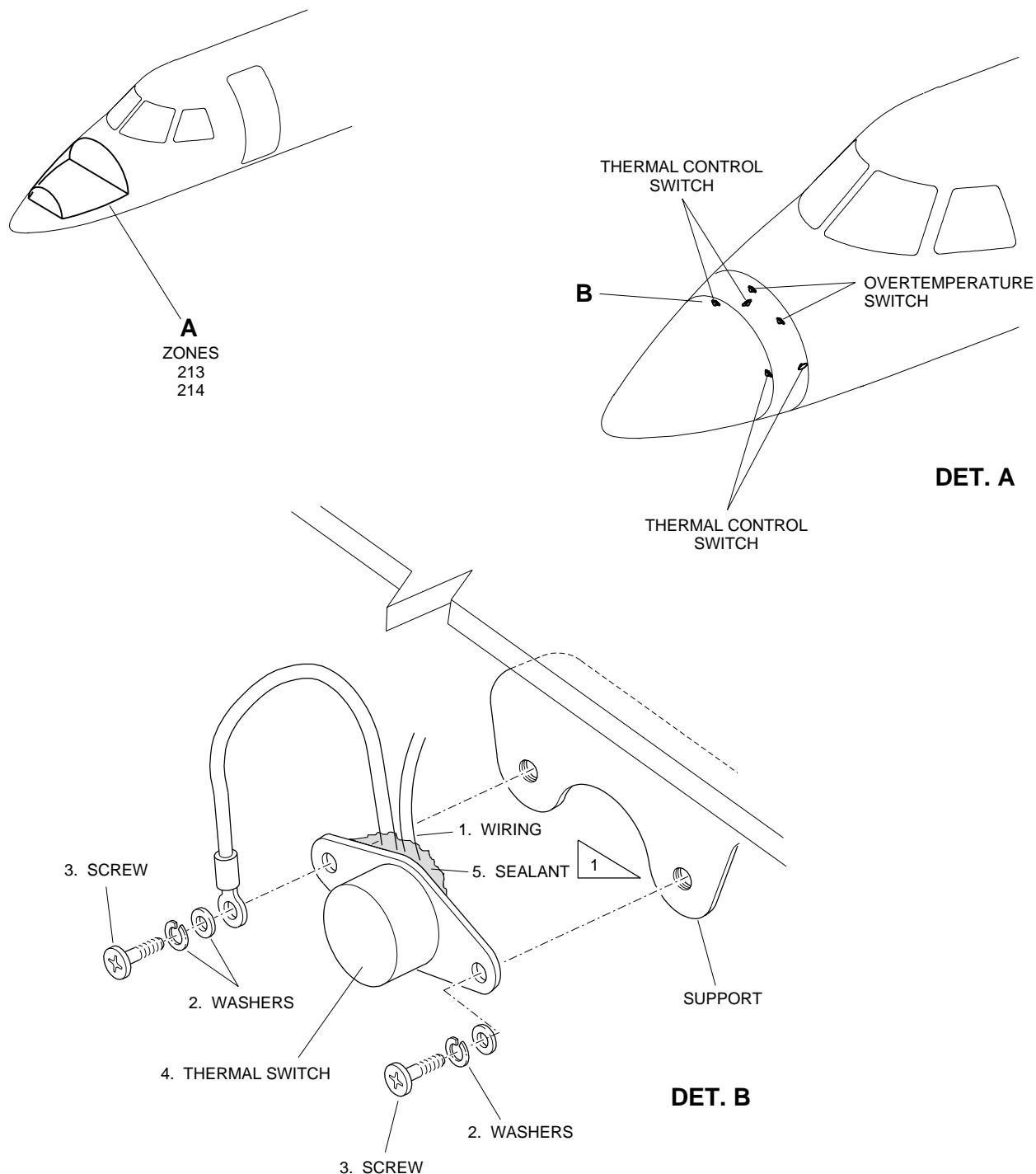
- CAUTION:**
1. FOR AIRCRAFT PRE-MOD SB 145-32-0036, MAKE SURE THAT THE PRESSURE IN HYDRAULIC SYSTEM No. 1 IS FULLY RELEASED ([AMM TASK 29-10-00-860-802-A/200](#)).
 2. FOR AIRCRAFT POST-MOD SB 145-32-0036, INSTALL THE SAFETY PIN OF THE NLG DOORS SOLENOID VALVE ([AMM TASK 32-00-02-910-801-A/200](#)).

(2) Open access panel 113CZ (AMM MPP 06-41-01/100).

J. Removal ([Figure 401](#))

SUBTASK 020-002-A

- (1) Release the attaching screws (3) and washers (2).
- (2) Remove the sealant (5).
- (3) Disconnect the electrical wire (1), with a soldering iron.
- (4) Remove the thermal switch (4).

EFFECTIVITY: ALL
Thermal Switch - Removal/Installation
Figure 401


1
APPLY SEALANT RTV780. REFER TO SRM 51-20-01.
FOR ALTERNATIVE SEALANTS, REFER TO AMM 20-30-03/201.

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TASK 21-26-04-400-801-A

EFFECTIVITY: ALL

3. THERMAL SWITCH - INSTALLATION

A. General

- (1) This task gives the procedures to install the thermal switches.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
AMM TASK 32-00-02-910-801-A/200	SAFETY PIN OF THE NLG DOORS SOLENOID VALVE - INSTALLATION AND REMOVAL
SB145-32-0036	-

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
113	113CZ	Nose-landing-gear compartment

D. Tools and Equipment

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Soldering iron - 30 W	To connect the electrical wires	

E. Auxiliary Items

Not Applicable

F. Consumable Materials

SPECIFICATION (BRAND)	DESCRIPTION	QTY
ASTM C-920	Sealant	AR

G. Expandable Parts

Not Applicable

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Forward electronic compartment

I. Preparation

SUBTASK 841-003-A

- (1) On the overhead Circuit Breaker Panel, make sure that the applicable circuit breaker(s) below is(are) open and with (a) DO-NOT-CLOSE tag(s) attached to it (them):



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- EXHAUST 1 (LH thermal control switches and overtemperature switches). Location tip: DC BUS1/AIR COND/PNEU/EXHAUST 1.
- EXHAUST 2 (RH thermal control switches). Location tip: DC BUS2/AIR COND/PNEU/EXHAUST 2.

J. Installation (Figure 401)

SUBTASK 420-002-A

- (1) Connect the electrical wire (1), with a soldering iron.
- (2) Apply sealant (5) over the electrical terminals.
- (3) Install the thermal switch (4) with the screws (3) and washers (2).

K. Follow-on

SUBTASK 842-002-A

- (1) Install access panel 113CZ (AMM MPP 06-41-01/100).
- (2) On the overhead Circuit Breaker Panel, close the applicable circuit breaker(s) below and remove the DO-NOT-CLOSE tag(s) from it (them):
 - EXHAUST 1 (LH thermal control switches and overtemperature switches). Location tip: DC BUS1/AIR COND/PNEU/EXHAUST 1.
 - EXHAUST 2 (RH thermal control switches). Location tip: DC BUS2/AIR COND/PNEU/EXHAUST 2.
- (3) On aircraft POST-MOD [SB145-32-0036](#), remove the safety pin of the NLG-doors solenoid valve ([AMM TASK 32-00-02-910-801-A/200](#)).