

## 7-DEGREE PROXIMITY SWITCH - REMOVAL/INSTALLATION

*EFFECTIVITY: ALL*

### 1. General

- A. This section gives the instructions to remove and install the 7-Degree Proximity Switch of the nose wheel steering system.
- 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
32-50-06-000-801-A	7-DEGREE PROXIMITY SWITCH - REMOVAL	ALL
32-50-06-400-801-A	7-DEGREE PROXIMITY SWITCH - INSTALLATION	ALL

TASK 32-50-06-000-801-A

EFFECTIVITY: ALL

## 2. 7-DEGREE PROXIMITY SWITCH - REMOVAL

### A. General

- (1) This task gives the instructions to remove and install the 7-Degree Proximity Switch of the nose wheel steering system.
- (2) If the electrical connector (3) presents signs of damage, contamination or corrosion, do the maintenance procedures on the electrical connector:

To clean the electrical connector, refer to WM 20-50-00/201.

To replace the electrical connector, use the repair kit. Refer to IPC 32-50-00. Obey the instructions of the applicable Wiring Manual, Chapter WM 20-50-00/201, Standard Practices.

### B. References

REFERENCE	DESIGNATION
<a href="#">AMM TASK 29-10-00-860-802-A/200</a>	HYDRAULIC SYSTEM - PRESSURIZATION WITH EMDP
<a href="#">AMM TASK 32-00-02-910-801-A/200</a>	SAFETY PIN OF THE NLG DOORS SOLENOID VALVE - INSTALLATION AND REMOVAL
<a href="#">AMM TASK 32-60-00-910-801-A/200</a>	LANDING GEAR PROXIMITY SWITCH AND HARNESS ELECTRICAL CONNECTORS - RESTORATION AND PROTECTION
IPC 32-50-00	NOSE WHEEL STEERING SYSTEM
<a href="#">S.B.145-32-0036</a>	-
WM 20-50-00/201	-

### C. Zones and Accesses

Not Applicable

### D. Tools and Equipment

Not Applicable

### 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	NLG

I. Preparation

*SUBTASK 841-002-A*

- (1) On the circuit breaker panel, open the STEER circuit breaker and attach a DO-NOT-CLOSE tag to it.
- (2) On aircraft PRE-MOD. [S.B.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](#)).
- (3) On aircraft POST-MOD. [S.B.145-32-0036](#), install the safety pin of the NLG door solenoid valve ([AMM TASK 32-00-02-910-801-A/200](#)).

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

*SUBTASK 020-002-A*

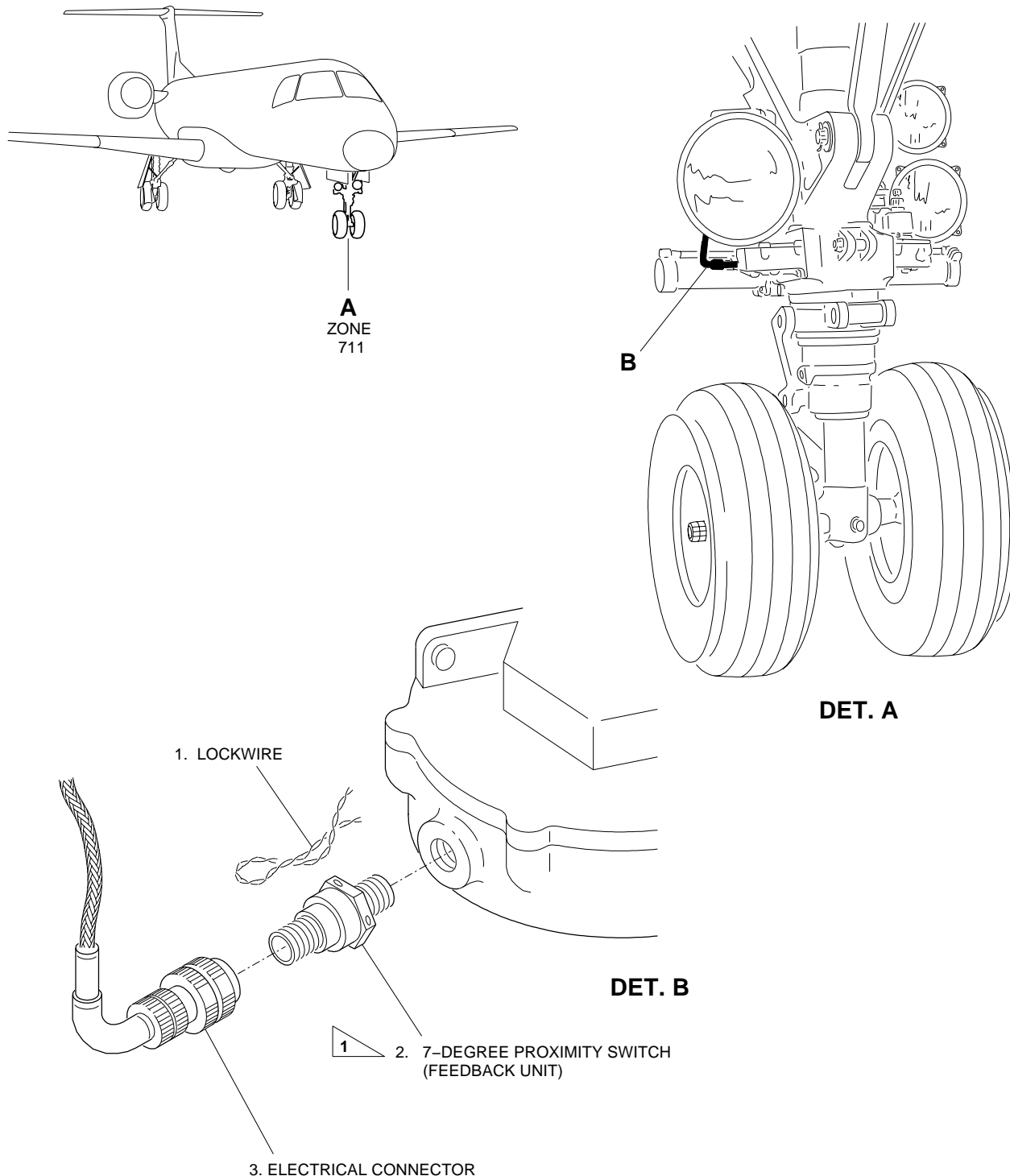
**CAUTION:** BE CAREFUL WHEN YOU REMOVE THE HEAT-SHRINKABLE BOOT TO PREVENT DAMAGE TO ELECTRICAL CABLE AND ITS CONNECTOR.

- (1) For connector that already has heat-shrinkable boot, remove it with a cutting tool.
- (2) Disconnect the electrical connector (3).
- (3) If the electrical connector (3) presents signs of damage, contamination or corrosion, do the maintenance procedures on the electrical connector. Refer to [AMM TASK 32-60-00-910-801-A/200](#).
- (4) Remove the lockwire (1).
- (5) Remove the 7-degree proximity switch (2).

**EFFECTIVITY: ALL**

**7-Degree Proximity Switch (Feedback Unit) - Removal/Installation**

**Figure 401**



**1**

**TORQUE: 16.3–21.7 N.m (144–192 lb.in)**

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TASK 32-50-06-400-801-A  
EFFECTIVITY: ALL

### 3. 7-DEGREE PROXIMITY SWITCH - INSTALLATION

#### A. General

- (1) This procedure gives the instructions to install the 7-Degree Proximity Switch of the nose wheel steering system.

#### B. References

REFERENCE	DESIGNATION
AMM TASK 32-00-02-910-801-A/200	SAFETY PIN OF THE NLG DOORS SOLENOID VALVE - INSTALLATION AND REMOVAL
AMM TASK 32-50-00-700-801-A/500	NOSE WHEEL STEERING SYSTEM DISENGAGEMENT - OPERATIONAL CHECK
AMM TASK 32-60-00-910-801-A/200	LANDING GEAR PROXIMITY SWITCH AND HARNESS ELECTRICAL CONNECTORS - RESTORATION AND PROTECTION
S.B.145-32-0036	-

#### C. Zones and Accesses

Not Applicable

#### D. Tools and Equipment

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Torque wrench (torque range, refer to Figure 401)	To tighten the 7-degree proximity switch	

#### E. Auxiliary Items

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Rubber Goggles, Phosphate Ester-Base, Fluid-Resistant	Protection for Eyes	1
Commercially available	Rubber Gloves, Phosphate Ester-Base, Fluid-Resistant	Protection for Hands	1

#### F. Consumable Materials

SPECIFICATION (BRAND)	DESCRIPTION	QTY
MS20995-C32	Lockwire	AR
MIL-L-87177	Lektro-Tech Super Corr-B-12350	AR

#### G. Expandable Parts

Not Applicable

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	NLG

I. Installation (Figure 401)

*SUBTASK 420-002-A*

- (1) Install the 7-Degree Proximity Switch (2).
- (2) Tighten the 7-Degree Proximity Switch (2) to a torque of 16.3-21.7 N.m (144-192 lb.in).

**WARNING: DO NOT GET LUBRICANT AND ANTICORROSIVE FILM PN LEKTRO-TECH SUPER CORR-B-12350 IN YOUR MOUTH OR EYES, OR ON YOUR SKIN. PUT ON A PROTECTIVE SPLASH GOGGLE AND GLOVES WHEN YOU USE LUBRICANT AND ANTICORROSIVE FILM PN LEKTRO-TECH SUPER CORR-B-12350. KEEP LUBRICANT AND ANTICORROSIVE FILM PN LEKTRO-TECH SUPER CORR-B-12350 AWAY FROM SPARKS, FLAME, AND HEAT. LUBRICANT AND ANTICORROSIVE FILM PN LEKTRO-TECH SUPER CORR-B-12350 IS A POISONOUS AND FLAMMABLE SUBSTANCE.**

- (3) Connect the electrical connector (3).
 

NOTE: Before the connection of the connector, apply the Lektro-Tech Super Corr-B-12350 into the plug connector to prevent corrosion and to clean the contacts.
- (4) Lock the 7-Degree Proximity Switch (2) with the lockwire (1).
- (5) Do the protection of the 7-Degree Proximity Switch (2) and the electrical connector (3) against corrosion. Refer to [AMM TASK 32-60-00-910-801-A/200](#).

J. Follow-on

*SUBTASK 842-002-A*

- (1) On the circuit breaker panel, close the STEER circuit breaker and remove the DO-NOT-CLOSE tag from it.
- (2) Do the operational check of the nose wheel steering system disengagement ( [AMM TASK 32-50-00-700-801-A/500](#)).
- (3) On aircraft POST-MOD. [S.B.145-32-0036](#), remove the safety pin from the NLG doors solenoid valve ([AMM TASK 32-00-02-910-801-A/200](#)).