

## NOSE-LANDING-GEAR LIGHTS PROTECTION - REMOVAL/INSTALLATION

*EFFECTIVITY: ALL*

### 1. General

- A. This section gives the procedures to remove and install the lights protection of the nose landing gear.
- 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
32-20-11-000-801-A	NOSE-LANDING-GEAR LIGHTS PROTECTION - REMOVAL	ALL
32-20-11-400-801-A	NOSE-LANDING-GEAR LIGHTS PROTECTION - INSTALLATION	ALL

TASK 32-20-11-000-801-A

*EFFECTIVITY: ALL*

**2. NOSE-LANDING-GEAR LIGHTS PROTECTION - REMOVAL**

**A. General**

(1) This task gives the procedure to remove the lights protection of the nose landing gear.

**B. References**

REFERENCE	DESIGNATION
<a href="#">AMM TASK 20-00-00-910-801-A/200</a>	AIRCRAFT SAFE PROCEDURES FOR MAINTENANCE SERVICES - MAINTENANCE PRACTICES
<a href="#">AMM TASK 32-00-01-910-801-A/200</a>	LG SAFETY PIN - INSTALLATION AND REMOVAL
<a href="#">AMM TASK 32-00-02-910-801-A/200</a>	SAFETY PIN OF THE NLG DOORS SOLENOID VALVE - INSTALLATION AND REMOVAL

**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	Nose landing gear

**I. Preparation**

*SUBTASK 860-002-A*

**WARNING: MAKE SURE THAT THE AIRCRAFT IS IN A SAFE CONDITION BEFORE YOU DO THE MAINTENANCE PROCEDURES. THIS IS TO PREVENT INJURY TO PERSONS AND/OR DAMAGE TO THE EQUIPMENT.**

(1) Do the procedure to make the aircraft safe for maintenance ( [AMM TASK 20-00-00-910-801-A/200](#)).

(2) Make sure that the safety pin of the NLG doors solenoid valve is installed ([AMM TASK 32-00-02-910-801-A/200](#)).

(3) Make sure that the safety pins of the landing gears are installed ( [AMM TASK 32-00-01-910-801-A/200](#)).

J. Nose-Landing-Gear Lights Protection - Removal (Figure 401)

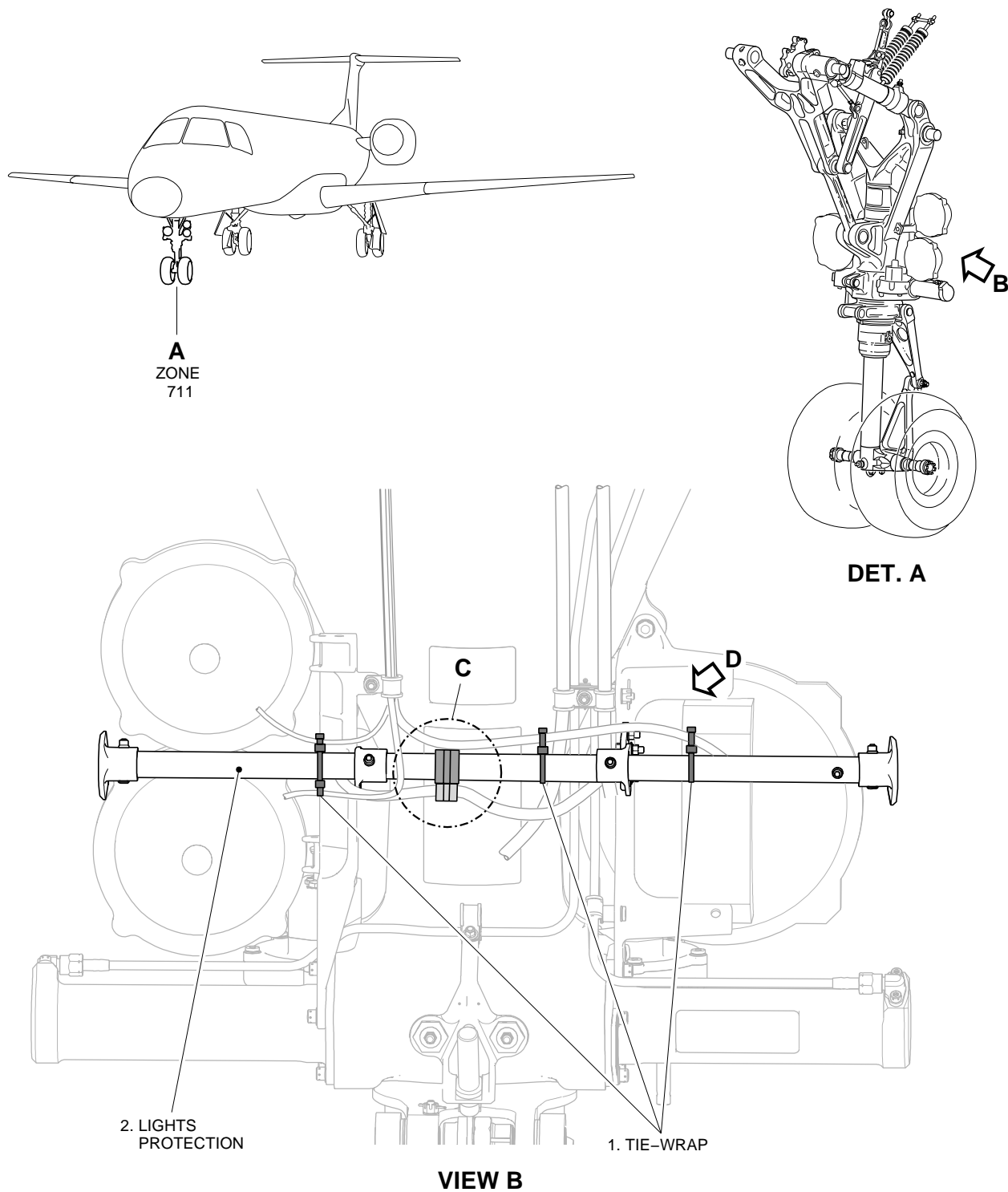
*SUBTASK 020-002-A* (Figure 401, Sheet 1) (Figure 401, Sheet 2)

- (1) Remove the sealants (4) of the nuts (8) and (11), bolts (10) and (13) that attach the lights protection (2) (SRM 51-20-01). Refer to Figure 401, Sheet 2.
- (2) Remove the sealants (4) of the nut (3) and bolt (7) that attach the clamps (6) (SRM 51-20-01). Refer to Figure 401, Sheet 2.
- (3) Remove the nut (3), washers (5) and bolt (7) that attach the clamps (6) on the lights protection (2). Refer to Figure 401, Sheet 2.
- (4) Remove the clamps (6) from the lights protection (2). Refer to Figure 401, Sheet 2.
- (5) Cut, remove and discard the tie-wrap (1) that attach the electrical cable of the lights on the lights protection (2). Refer to Figure 401, Sheet 1.
- (6) Remove the nuts (8) and (11), washers (9) and (12), bolts (10) and (13) to release the lights protection (2). Refer to Figure 401, Sheet 2.
- (7) Remove the lights protection (2). Refer to Figure 401, Sheet 2.

EFFECTIVITY: ALL

Nose-Landing-Gear Lights Protection - Removal/Installation

Figure 401 - Sheet 1

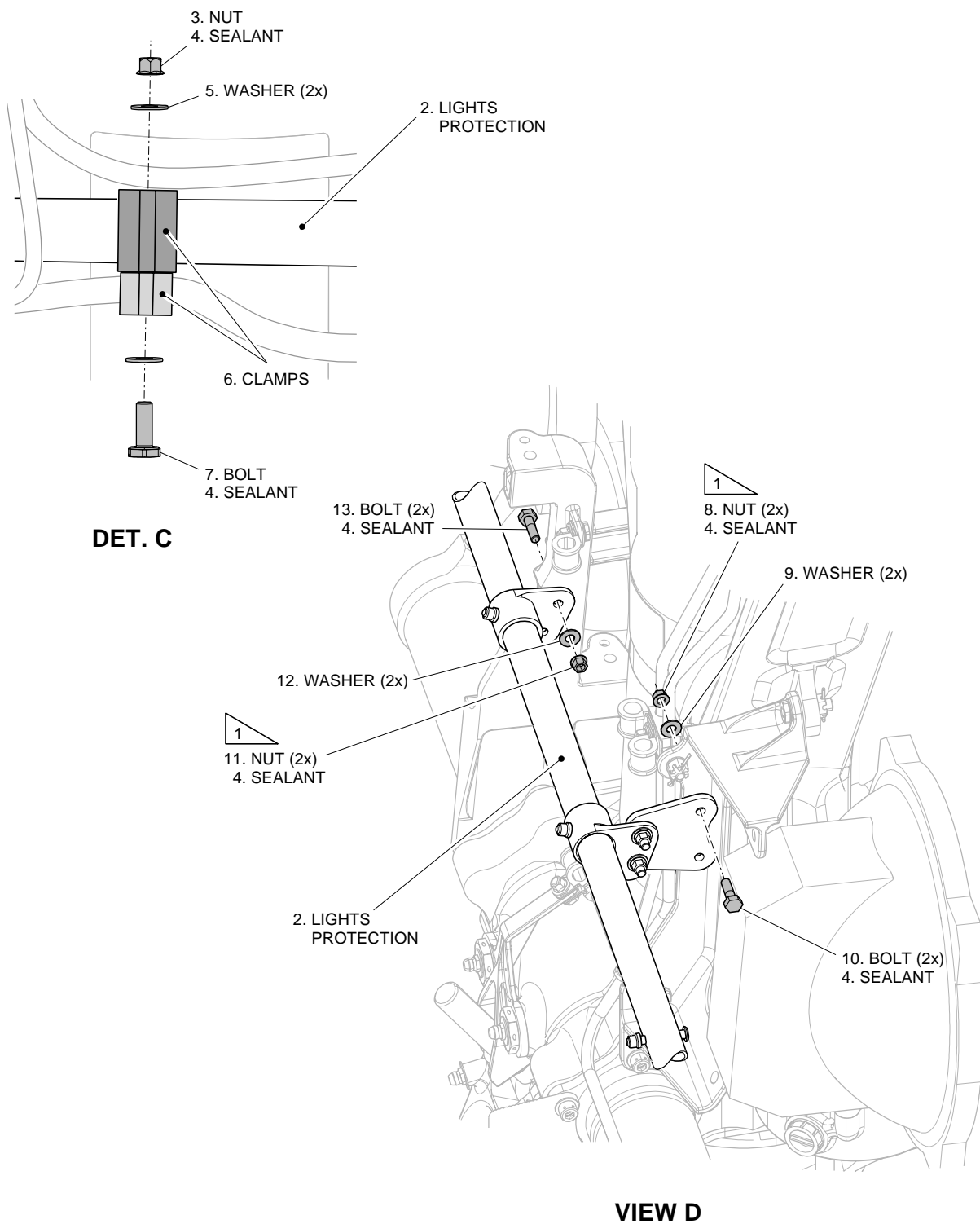


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EFFECTIVITY: ALL

Nose-Landing-Gear Lights Protection - Removal/Installation

Figure 401 - Sheet 2



TASK 32-20-11-400-801-A

*EFFECTIVITY: ALL*

### 3. NOSE-LANDING-GEAR LIGHTS PROTECTION - INSTALLATION

#### A. General

- (1) This task gives the procedure to install the lights protection of the nose landing gear.
- (2) The approved sealants for this procedure are:

NOTE: Do not mix the two sealants.

- PR1776M B2 654 SEMKIT
- PR 1826 B2 ALO + P

#### B. References

REFERENCE	DESIGNATION
<a href="#">AMM TASK 20-00-00-910-801-A/200</a>	AIRCRAFT SAFE PROCEDURES FOR MAINTENANCE SERVICES - MAINTENANCE PRACTICES
<a href="#">AMM TASK 32-20-11-000-801-A/400</a>	NOSE-LANDING-GEAR LIGHTS PROTECTION - REMOVAL

#### C. Zones and Accesses

Not Applicable

#### D. Tools and Equipment

Not Applicable

#### E. Auxiliary Items

Not Applicable

#### F. Consumable Materials

SPECIFICATION (BRAND)	DESCRIPTION	QTY
AMS3277	Polythioeter Sealant PR 1826 B2 ALO + P, Rapid Curing, CLASS B2, TYPE I	AR
AMS3281	Polisulfide Sealant PR1776M B2 654 SEMKIT, Class B2 Low-Density	AR

#### G. Expandable Parts

Not Applicable

#### H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Nose landing gear

I. Preparation

*SUBTASK 860-003-A*

**WARNING: MAKE SURE THAT THE AIRCRAFT IS IN A SAFE CONDITION BEFORE YOU DO THE MAINTENANCE PROCEDURES. THIS IS TO PREVENT INJURY TO PERSONS AND/OR DAMAGE TO THE EQUIPMENT.**

- (1) Do the procedure to make the aircraft safe for maintenance ( [AMM TASK 20-00-00-910-801-A/200](#)).
- (2) Make sure that the aircraft is in the same configuration as it was at the end of the removal task ([AMM TASK 32-20-11-000-801-A/400](#)).

J. Nose-Landing-Gear Lights Protection - Installation ([Figure 401](#))

*SUBTASK 420-002-A* ([Figure 401, Sheet 1](#)) ([Figure 401, Sheet 2](#))

- (1) Put the lights protection [\(2\)](#) in its installation position. Refer to [Figure 401, Sheet 2](#).
- (2) Install the bolts [\(10\)](#) and [\(13\)](#), washers [\(9\)](#) and [\(12\)](#), nuts [\(8\)](#) and [\(11\)](#). Refer to [Figure 401, Sheet 2](#).
- (3) Use the torque wrench to torque the nuts [\(8\)](#) and [\(11\)](#) to 3.95 - 4.52 N.m (35 - 40 lb.in). Refer to [Figure 401, Sheet 2](#).
- (4) Install the tie-wraps [\(1\)](#) that attach the electrical cable of the lights on the lights protection [\(2\)](#). Refer to [Figure 401, Sheet 1](#).
- (5) Install the clamps [\(6\)](#) on the lights protection [\(2\)](#). Refer to [Figure 401, Sheet 2](#).
- (6) Install the bolt [\(7\)](#), washers [\(5\)](#), and nut [\(3\)](#) that attach the clamps [\(6\)](#) on the lights protection [\(2\)](#). Refer to [Figure 401, Sheet 2](#).
- (7) Apply the approved sealant [\(4\)](#) to the nut [\(3\)](#) and head of the bolt [\(7\)](#) that attach the clamps [\(6\)](#) on the lights protection [\(2\)](#) (SRM 51-20-01). Refer to [Figure 401, Sheet 2](#).
- (8) Apply the approved sealant [\(4\)](#) to the nuts [\(8\)](#) and [\(11\)](#), head of the bolts [\(10\)](#) and [\(13\)](#) that attach the lights protection [\(2\)](#) (SRM 51-20-01). Refer to [Figure 401, Sheet 2](#).

K. Follow-on

*SUBTASK 940-002-A*

- (1) Remove from the work area all tools, equipment, and materials that you used.

