

## Main Landing Gear Torque Links - Install procedures

**DMC:** C3D-A-32-10-02-0000-720A-D

**Title:** Main Landing Gear Torque Links - Install procedures

**Issue no:** 003 new

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**Language:** en/

**Security classification :** Class01

**Responsible partner company:** LBS/KA296

**Originator:** LBS/KA296

**Applicability**

**QA:** Unverified

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## Main Landing Gear Torque Links - Install procedures

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### **References**

*Table 1 References*

Data Module/Technical Publication	Title
C3D-A-32-10-02-000-120A-D	Maintenance - Pre Maintenance
C3D-A-24-45-02-000-120A-D	Electrical - Pre Maintenance
C3D-A-32-00-00-0000-012A-D	Landing gear - General - General warnings and cautions and related safety data
C3D-A-32-40-03-0000-720A-D	Main Landing Gear Brakes - Install procedures

### **Preliminary Requirements**

#### Required Conditions

*Table 2 Required Conditions*

Title	Data Module
This task must be done in a hangar or a hardened aircraft shelter	
The aircraft must be safe for maintenance	C3D-A-32-10-02-000-120A-D

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Title	Data Module
The aircraft must be electrically safe	C3D-A-24-45-02-000-120A-D

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**Required Persons**

*Table 3 Required Persons*

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Person	Category/Trade	Skill level	Trade code	Estimated time spent
Man 1	TECHAFR	Basic		2.03h

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**Support Equipment**

*Table 4 Support Equipment*

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Nomenclature	Identification No.	Qty	Remarks
TORQUE WRENCH	NSN : 8928- 9-992-8298 Pt. 1 No : SP80030000 NSCM: PT405		
TOOL KIT	Pt. No : TK-494DF-1 NSCM: PT405	1	

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**Consumables, Materials, and Expendables**

*Table 5 Consumables, Materials, and Expendables*

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Nomenclature	Identification No.	Qty	Remarks
PIN COTTER	Pt. No : BACP10AD02C09P 1 NSCM: V5282		
PIN COTTER	Pt. No : BACP20BC01D07P 1 NSCM: V5282		

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**Spares**

*Table 6 Spares*

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Nomenclature	Identification No.	Qty	Remarks
None			

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## Safety Conditions

### **WARNING**

Review the SAFETY PRECAUTIONS section data before performing this procedure C3D-A-32-00-00-0000-012A-D .

### ***Procedure***

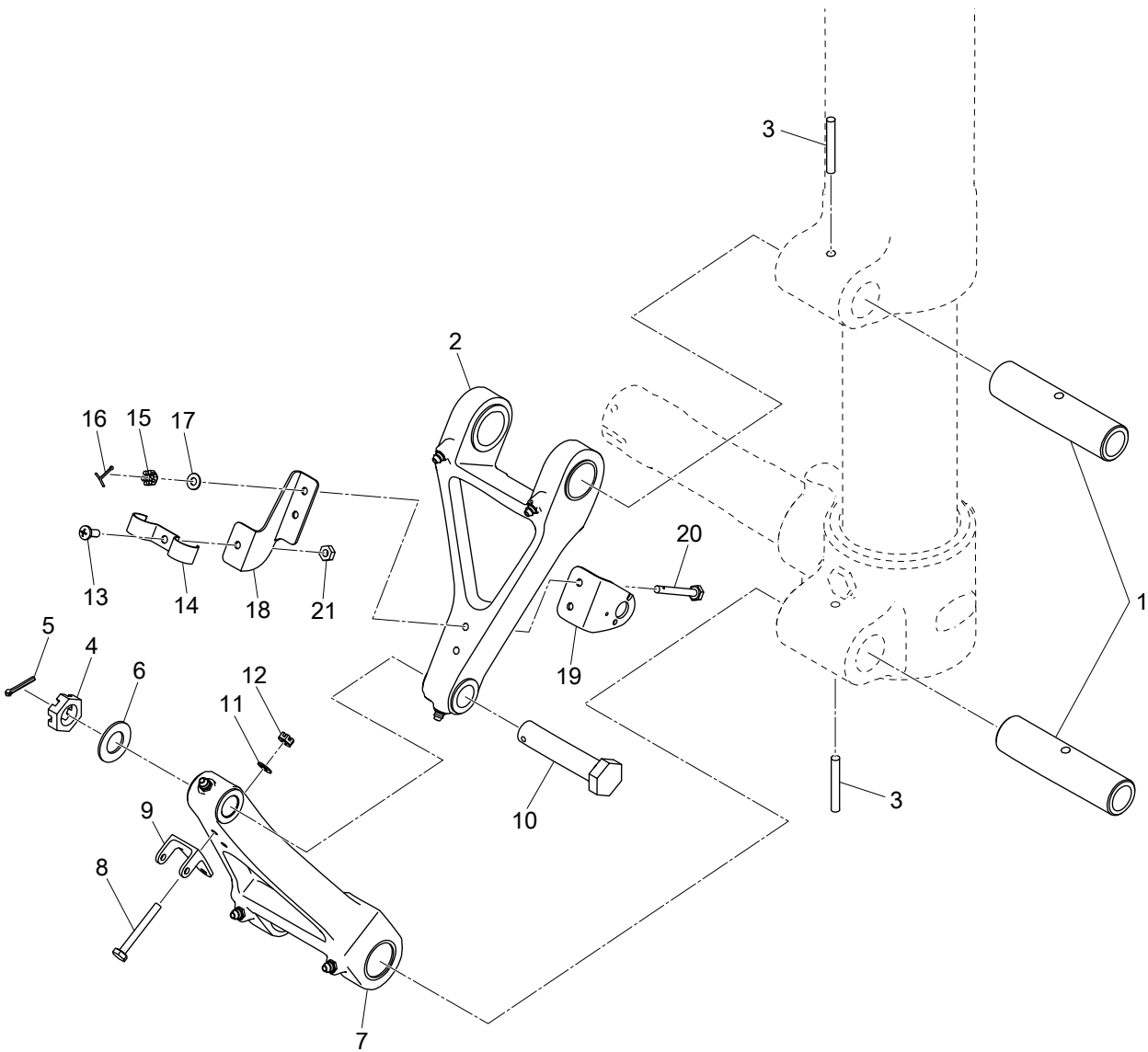
1

#### **Note**

Procedures for the right and left components are the same. Only the procedures for the left are given.

1.1

1.2 Prepare the parts.



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Figure 1 Torque Links Installation

- 
- 1.2.1 Prepare torque link bushings, pins and the strut for an assembly procedure.
  - 1.3 Perform the Main Landing Gear Brakes - Install procedures C3D-A-32-40-03-0000-720A-D
    - 1.3.1 Install the upper torque link (2) and lower torque link (7) to the strut and axle.
    - 1.3.2 Install link pins (1) to the upper (2) and lower (7) torque links.

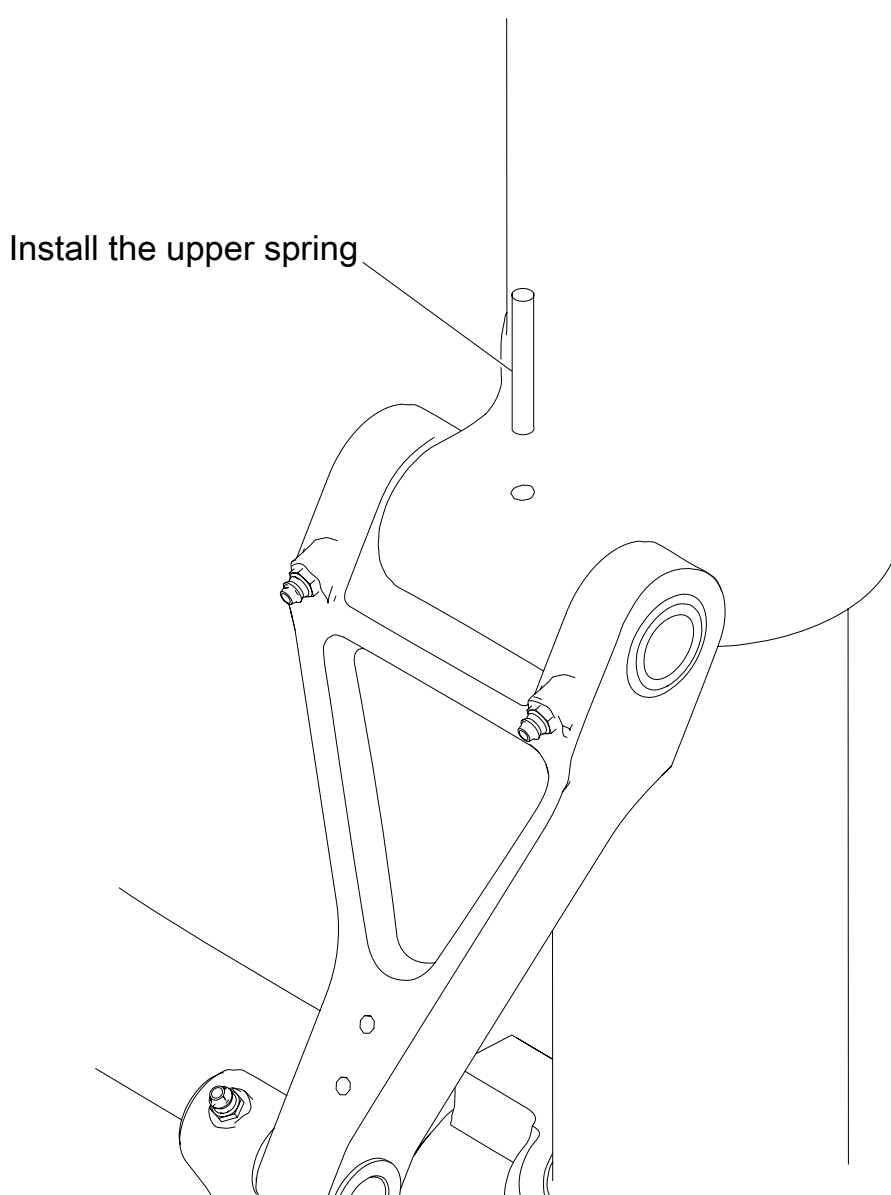


**Install Link Pins**

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*Figure 2 Link Pins*

- 1.3.3 Install the safety wire to each slotted spring pin (3).

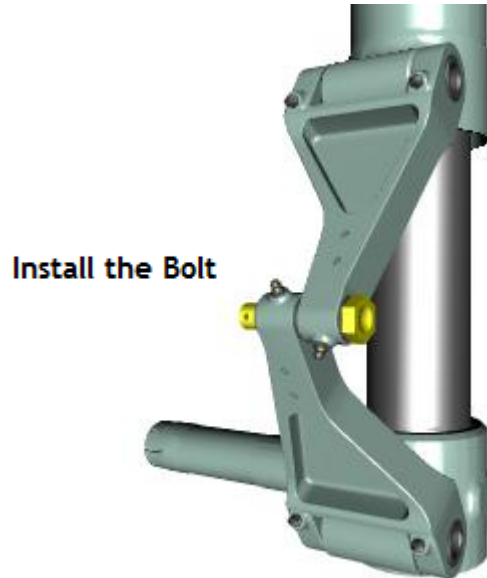


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*Figure 3 Upper Spring*



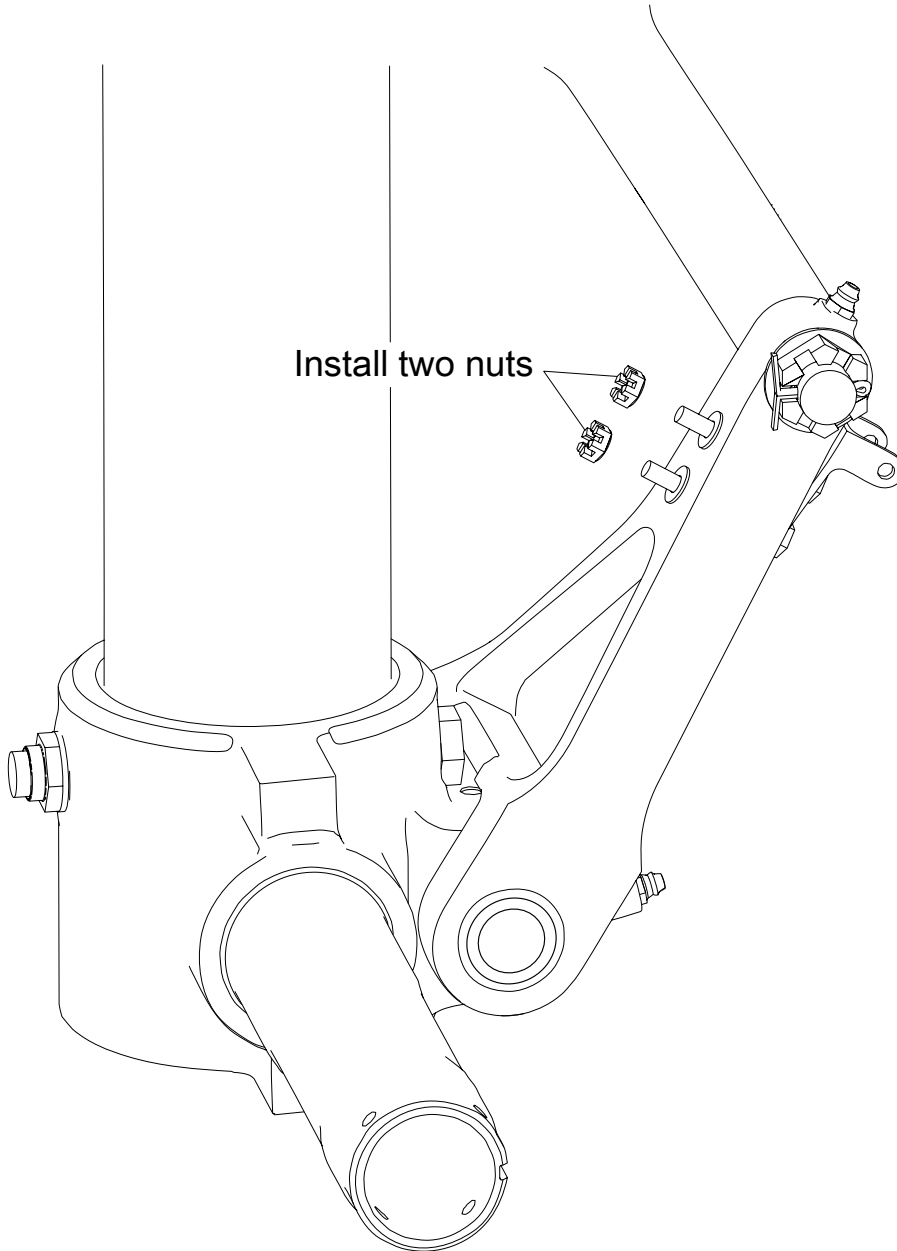
- 
- 1.3.4 Install the bolt (10), washer (6), nut (4) and cotter pin (5) to the torque links (2 and 7).



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*Figure 4 Link Bolt*

- 1.3.5 Install the switch terminal bracket (9), bolts (8), washers (11) and nuts (12) to the lower torque link (7).

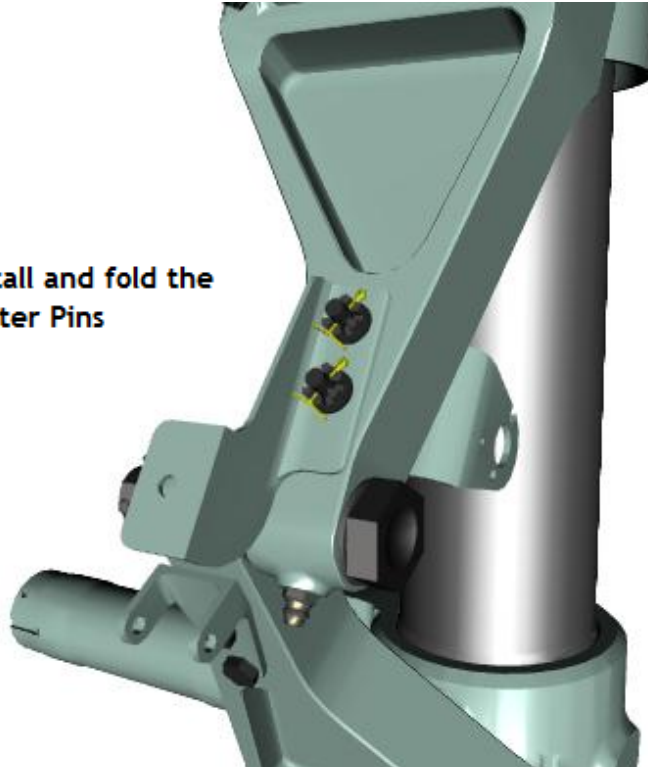


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Figure 5 Switch Terminal Bracket

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- 1.3.6 Install the switch bracket (19), bolts (20), the standoff bracket (18), washers (17), nuts (15) and cotter pins (16) to the upper torque link (2).

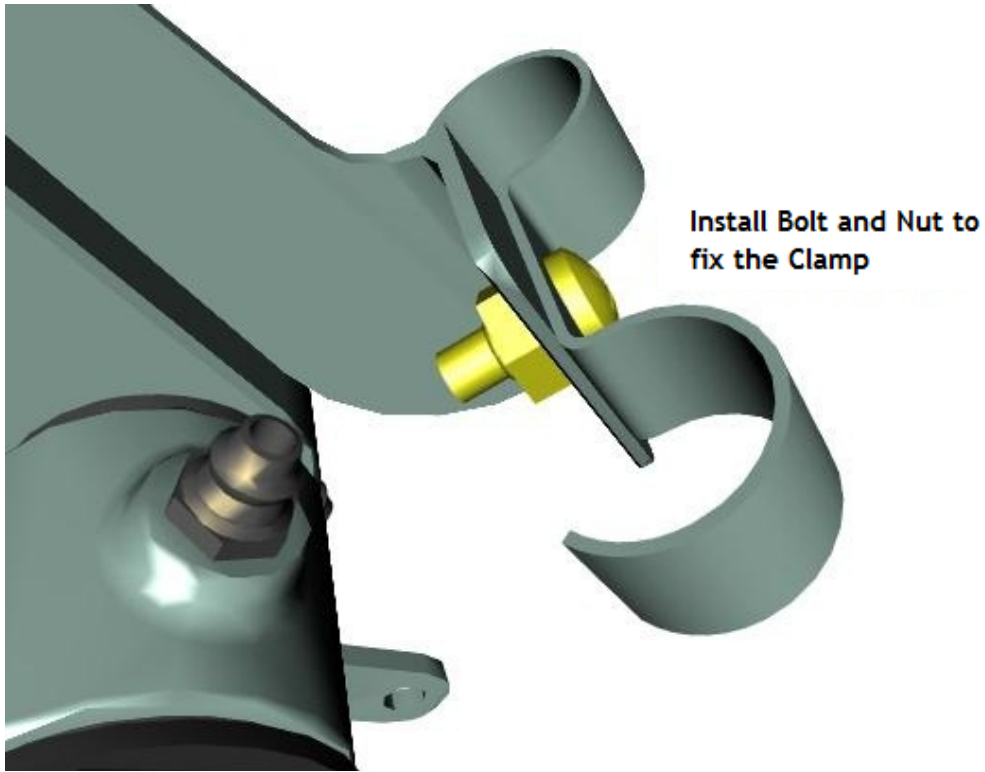
**Install and fold the  
Cotter Pins**



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*Figure 6 Switch Terminal and Standoff Brackets*

- 1.3.7 Install the clamp (14), the screw (13) and the nut (21) to the torque link standoff bracket (18).



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Figure 7 Clamp

1.4 Install the wheel assy.

**Requirements after job completion**

**Required Conditions**

Table 7 Required Conditions

Title	Data Module
None	