

Main Landing Gear Torque Links - Remove procedures

DMC: C3D-A-32-10-02-0000-520A-D
Title: Main Landing Gear Torque Links - Remove procedures
Issue no: 003 new
Issue Date: 2015-01-21
Language: en/
Security classification : Class01
Responsible partner company: LBS/KA296
Originator: LBS/KA296
Applicability
QA: Unverified

Intentionally left blank

Main Landing Gear Torque Links - Remove procedures

Table of Contents Page

References..... 1

Preliminary Requirements..... 1

Procedure..... 3

List of Tables Page

1 References..... 1

2 Required Conditions..... 1

3 Required Persons..... 2

4 Support Equipment..... 2

5 Consumables, Materials, and Expendables..... 2

6 Spares..... 2

7 Required Conditions..... 5

List of Figures Page

1 Torque Links Removal..... 4

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-32-40-03-0000-520A-D | Main Landing Gear Brakes - Remove 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 |
| The aircraft must be electrically safe | C3D-A-24-45-02-000-120A-D |

Required Persons

Table 3 Required Persons

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

Support Equipment

Table 4 Support Equipment

| 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 | |

Consumables, Materials, and Expendables

Table 5 Consumables, Materials, and Expendables

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

Spares

Table 6 Spares

| Nomenclature | Identification No. | Qty | Remarks |
|--------------|--------------------|-----|---------|
| None | | | |

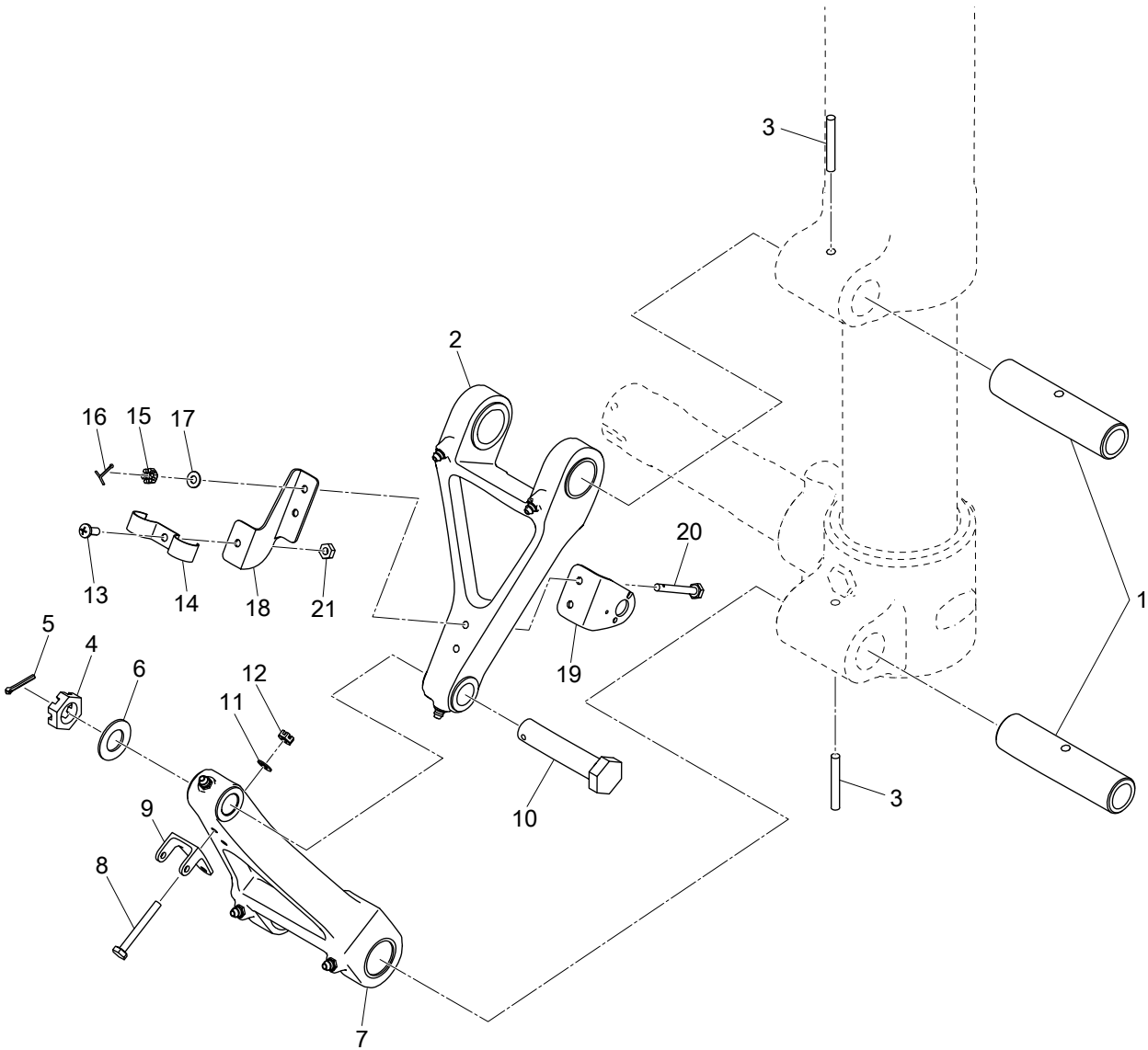
Safety Conditions

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.
- 2 Perform the Main Landing Gear Brakes - Remove procedures C3D-A-32-40-03-0000-520A-D.
- 3 Remove the upper and lower torque link from the strut (Refer to Fig.1):
 - 3.1 Remove the screw (13), clamp (14) and nut (21) from the torque link standoff bracket (18).
 - 3.2 Remove the cotter pins (16), nuts (15), washers (17), bolts (20), standoff bracket (18) and switch bracket (19) from the upper torque link (2).
 - 3.3 Remove the nuts (12), washers (11), bolts (8) and the switch terminal bracket (9) from the lower torque link (7).
 - 3.4 Remove the cotter pin (5), nut (4), washer (6) and bolt (10) from the torque links (2 and 7).
 - 3.5 Remove the safety wires from the upper and lower slotted spring pins (3). Remove the spring pins (3).
 - 3.6 Remove link pins (1) from the upper (2) and lower (7) torque links.
 - 3.7 Remove the upper torque link (2) and lower torque link (7) from the strut and axle.
- 4 Inspect the strut, pins and torque link bushings for damage.



ICN-C3D-A-321002-0-KA296-00001-A-01-1

Figure 1 Torque Links Removal

Requirements after job completion

Required Conditions

Table 7 Required Conditions

| Title | Data Module |
|-------|-------------|
| None | |

Intentionally left blank