

UPPER SECONDARY STRUT CARDAN OF THE MAIN LANDING GEAR - REMOVAL/INSTALLATION

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to remove and install the cardan of the upper secondary strut of the main 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
32-10-11-000-801-A	UPPER SECONDARY STRUT CARDAN OF THE MAIN LANDING GEAR - REMOV- AL	ALL
32-10-11-400-801-A	UPPER SECONDARY STRUT CARDAN OF THE MAIN LANDING GEAR - INSTAL- LATION	ALL

TASK 32-10-11-000-801-A

EFFECTIVITY: ALL

2. UPPER SECONDARY STRUT CARDAN OF THE MAIN LANDING GEAR - REMOVAL

A. General

- (1) This procedure gives the instructions to remove the upper secondary strut cardan of the main landing gear.

B. References

REFERENCE	DESIGNATION
(TASK 52-12-02-000-801-A)	-
AMM TASK 07-10-00-500-801-A/200	-
AMM TASK 29-10-00-860-802-A/200	HYDRAULIC SYSTEM - PRESSURIZATION WITH EMDP
AMM TASK 32-00-01-910-801-A/200	LG SAFETY PIN - 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	RH or LH Main Landing Gear
1	Helps the other technician	RH or LH Main Landing Gear

I. Preparation

SUBTASK 841-002-A

- (1) On the circuit breaker panel, open, safety, and tag the ELEC PUMP 1 circuit breaker.
- (2) Make sure that the pressure in hydraulic system 1 is fully released [AMM TASK 29-10-00-860-802-A/200](#).
- (3) Make sure that the safety pins of the landing gears are installed [AMM TASK 32-00-01-910-801-A/200](#).
- (4) Lift the aircraft on jacks. AMM TASK 07-10-00-500-801-A/200.

(5) Release the pressure from the MLG Pax - Door ACCUM (TASK 52-12-02-000-801-A).

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

SUBTASK 020-002-A

(1) To remove the cardan (13), do as follows:

(a) Release the cardan (13) from the upper secondary strut (8) as follows:

1 Remove the cotter pin (11), the nut (10), the washer (9), and the bolt (7).

(b) Release the cardan (13) from the wing structure (12) as follows:

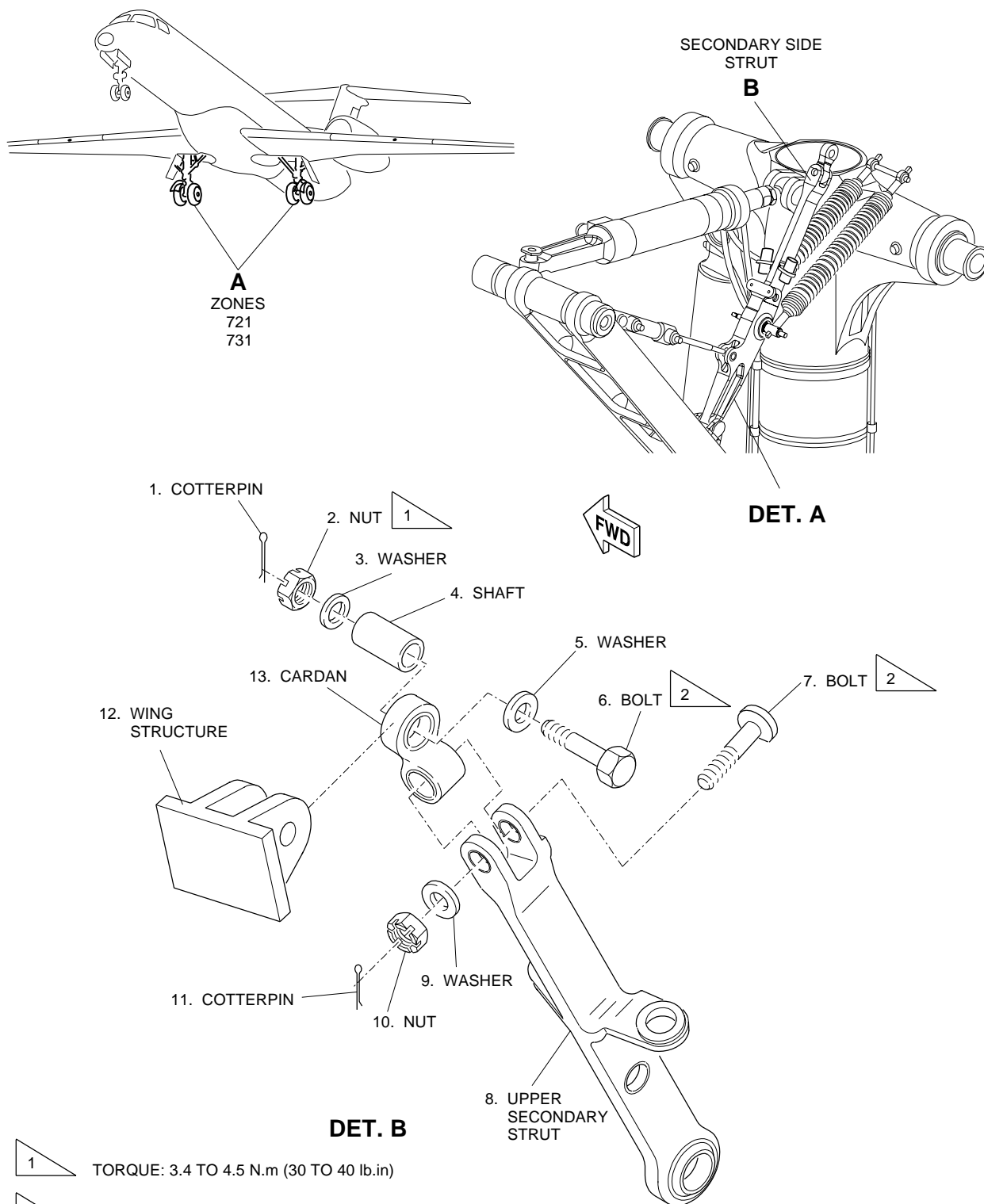
1 Remove the cotter pin (1) , the nut (2), the washers (3) and (5), the shaft (4), and the bolt (6).

(c) Remove the cardan (13).

EFFECTIVITY: ALL

Upper Secondary Strut Cardan of the Main Landing Gear - Removal/Installation

Figure 401



145AMM320494.MCE

TASK 32-10-11-400-801-A
EFFECTIVITY: ALL

3. UPPER SECONDARY STRUT CARDAN OF THE MAIN LANDING GEAR - INSTALLATION

A. General

- (1) This procedure gives the instructions to install the upper secondary strut cardan of the main landing gear.

B. References

REFERENCE	DESIGNATION
AMM TASK 07-10-00-500-802-A/200	-
AMM TASK 12-13-06-600-801-A/300	LANDING GEAR AND MAIN DOOR ACCUMULATOR - CHARGE
AMM TASK 32-30-00-700-801-A/500	EXTENSION AND RETRACTION SYSTEM - OPERATIONAL CHECK

C. Zones and Accesses

Not Applicable

D. Tools and Equipment

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Torque Wrench 3.4 to 4.5 N.m (30 to 40 lb.in.)	To apply torque	

E. Auxiliary Items

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Rubber Gloves, Phosphate Ester-Base, Fluid-Resistant	For protection of the hands	2
Commercially available	Rubber Goggles, Phosphate Ester-Base, Fluid-Resistant	For protection of the eyes	2

F. Consumable Materials

SPECIFICATION (BRAND)	DESCRIPTION	QTY
Commercially available	Compound, corrosion-preventative sealant CA-1000	AR
MS 24665-136	Cotter pin	1
MS 24665-287	Cotter pin	1

G. Expandable Parts

Not Applicable

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	RH or LH Main Landing Gear

I. Installation (Figure 401)

SUBTASK 420-002-A

WARNING: DO NOT GET CA-1000 IN YOUR MOUTH OR EYES, OR ON YOUR SKIN. DO NOT BREATHE THE FUMES FROM CA-1000. PUT ON A PROTECTIVE SPLASH GOGGLE AND GLOVES WHEN YOU USE CA-1000. CA-1000 IS A TOXIC MATERIAL.

- (1) To install the cardan (13), do as follows:
 - (a) Install the cardan (13) on the upper secondary strut (8) as follows:
 - 1 Apply corrosion-preventative sealant CA-1000 to the bolt (7)
 - 2 Install the bolt (7), the washer (9), the nut (10), and the cotter pin (11).
 - (b) Install the cardan (13) on the wing structure (12) as follows:
 - 1 Apply corrosion-preventative sealant CA-1000 to the bolt (6)
 - 2 Install the bolt (6), the washers (5) and (3), the shaft (4), and the nut (2).
 - 3 Apply a torque of 3.4 to 4.5 N.m (30 to 40 lb.in.) to the nut (2).
 - 4 Install the cotter pin (1).

J. Follow-on

SUBTASK 842-002-A

- (1) Pressurize the MLG Pax - Door ACCUM [AMM TASK 12-13-06-600-801-A/300](#).
- (2) On the circuit breaker panel, unsafety, untag, and close the ELEC PUMP 1 circuit breaker.
- (3) Energize the aircraft.
- (4) Remove the safety pins from the landing gears.
- (5) Do an operational check of the MLG [AMM TASK 32-30-00-700-801-A/500](#).
- (6) Do the functional check of the landing gear free-fall system [AMM TASK 32-30-00-700-801-A/500](#).
- (7) Lower the aircraft and remove the jacks [AMM TASK 07-10-00-500-802-A/200](#).