



AIRCRAFT
MAINTENANCE MANUAL

MAIN LANDING GEAR AUXILIARY BRACE STRUT - REMOVAL/INSTALLATION

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to remove and install the auxiliary brace strut of the main landing gear.
- B. These procedures are applicable to the LH and RH Main Landing Gears (MLG).
- C. 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
32-10-04-000-801-A	AUXILIARY BRACE STRUT OF THE MAIN LANDING GEAR - REMOVAL	ALL
32-10-04-400-801-A	AUXILIARY BRACE STRUT OF THE MAIN LANDING GEAR - INSTALLATION	ALL



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TASK 32-10-04-000-801-A

EFFECTIVITY: ALL

2. AUXILIARY BRACE STRUT OF THE MAIN LANDING GEAR - REMOVAL

A. General

- (1) This procedure gives the instructions to remove the auxiliary brace strut of the main landing gear.

B. References

REFERENCE	DESIGNATION
AMM TASK 07-10-00-500-801-A/200	-
AMM TASK 32-10-05-000-801-A/400	SPRING ASSEMBLIES OF THE MAIN LANDING GEAR - REMOVAL
AMM TASK 32-33-09-000-801-A/400	UNLOCKING ACTUATOR OF THE MAIN LANDING GEAR - REMOVAL
AMM TASK 32-61-02-000-801-A/400	DOWNLOCK PROXIMITY SWITCH - REMOVAL
TASK 52-12-02-000-801-A	-

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

I. Preparation

SUBTASK 841-002-A

- (1) On the Circuit Breaker Panel, open the ELEC PUMP 1 circuit breaker and attach a DO-NOT-CLOSE tag to it.
- (2) Make sure that the pressure in hydraulic system 1 is fully released.
- (3) Release the pressure of the MLG Pax - Door ACCUM (TASK 52-12-02-000-801-A).
- (4) Lift the aircraft on jacks. Refer to AMM TASK 07-10-00-500-801-A/200.



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- (5) Disconnect the lower ends of the spring assemblies ([AMM TASK 32-10-05-000-801-A/400](#)).
- (6) Disconnect the lower end of the MLG unlock actuator ([AMM TASK 32-33-09-000-801-A/400](#)).
- (7) Remove the downlock proximity switches ([AMM TASK 32-61-02-000-801-A/400](#)).

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

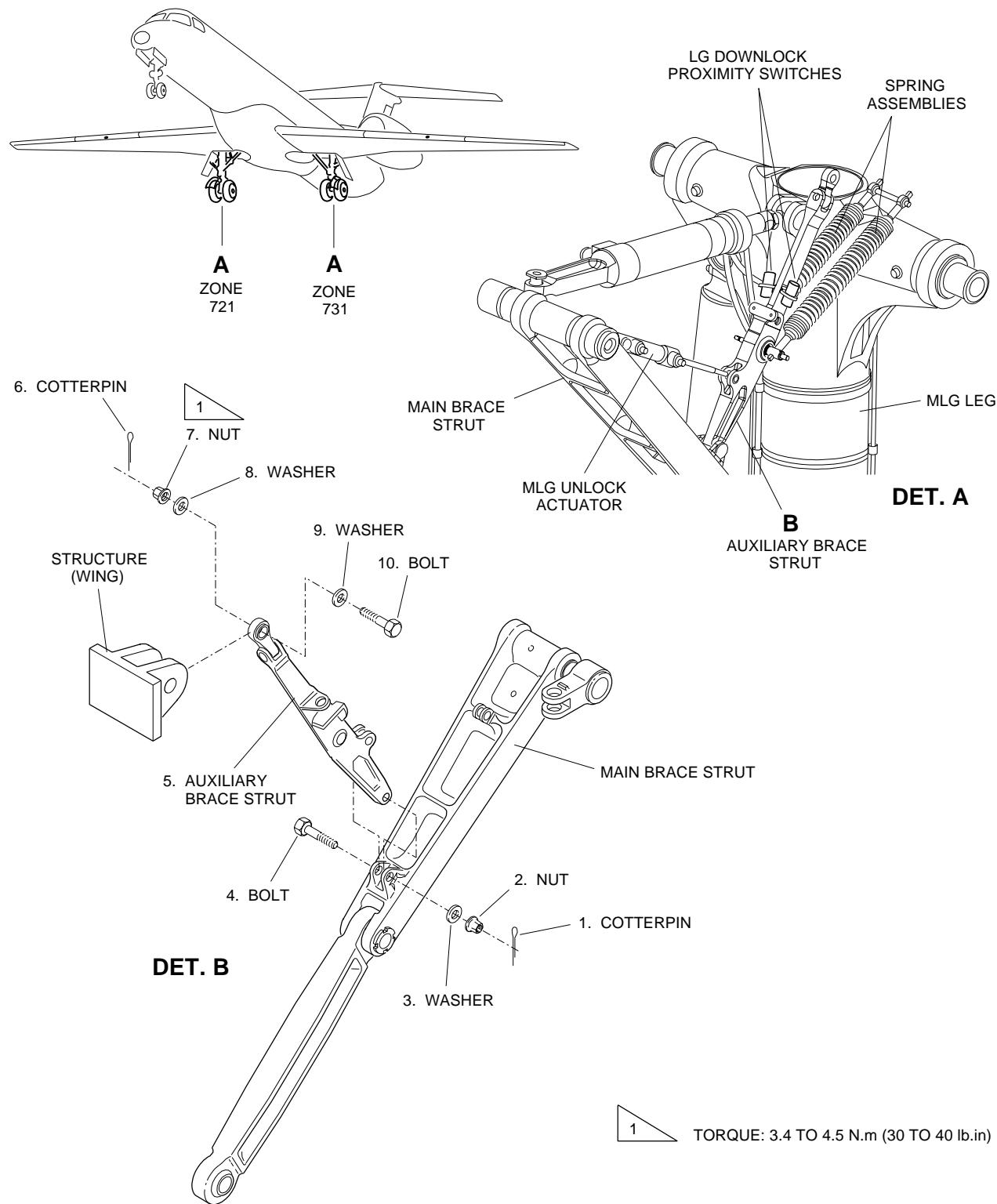
SUBTASK 020-002-A

- (1) Remove the cotter pin (1), nut (2), washer (3), and bolt (4).
- (2) Remove the cotter pin (6), nut (7), washers (8) and (9), and bolt (10).
- (3) Remove the auxiliary brace strut (5).

EFFECTIVITY: ALL

Auxiliary Brace Strut of the Main Landing Gear - Removal/Installation

Figure 401





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TASK 32-10-04-400-801-A

EFFECTIVITY: ALL

3. AUXILIARY BRACE STRUT OF THE MAIN LANDING GEAR - INSTALLATION

A. General

- (1) This procedure gives the instructions to install the auxiliary brace strut 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 32-10-05-400-801-A/400	SPRING ASSEMBLIES OF THE MAIN LANDING GEAR - INSTALLATION
AMM TASK 32-30-00-700-801-A/500	EXTENSION AND RETRACTION SYSTEM - OPERATIONAL CHECK
AMM TASK 32-33-09-400-801-A/400	UNLOCKING ACTUATOR OF THE MAIN LANDING GEAR - INSTALLATION
AMM TASK 32-61-02-400-801-A/400	DOWNLOCK PROXIMITY SWITCH - INSTALLATION

C. Zones and Accesses

Not Applicable

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

Not Applicable

F. Consumable Materials

SPECIFICATION (BRAND)	DESCRIPTION	QTY
MS24665-287	Cotter pin	1
MS24665-136	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

- (1) Put the auxiliary brace strut (5) in its installation position between the main brace strut and the support at the wing structure.
- (2) Install the bolt (10), washers (8) and (9), and nut (7) to attach the auxiliary brace strut (5) to the support at the wing structure.
- (3) Apply a torque of 3.4 to 4.5 N.m (30 to 40 lb.in) on the nut (7).
- (4) Install the bolt (4), washer (3), and nut (2) to attach the auxiliary brace strut (5) to the main brace strut.
- (5) Tighten the nut (2) until a nut slot is aligned with bolt hole.
NOTE: Do not loosen the nut (2) to align the hole.
- (6) Install the cotter pin (1) (MS24665-287) and safety the nut (2).
- (7) Install the cotter pin (6) (MS24665-136) and safety the nut (7).

J. Follow-on

SUBTASK 842-002-A

- (1) Connect the lower ends of the spring assemblies ([AMM TASK 32-10-05-400-801-A/400](#)).
- (2) Connect the lower end of the MLG unlock actuator ([AMM TASK 32-33-09-400-801-A/400](#)).
- (3) Install the downlock proximity switches ([AMM TASK 32-61-02-400-801-A/400](#)).
- (4) Pressurize the MLG Pax - Door ACCUM ([AMM TASK 12-13-06-600-801-A/300](#)).
- (5) On the Circuit Breaker Panel, close the ELEC PUMP 1 circuit breaker and remove the DO-NOT-CLOSE tag from it.
- (6) Energize the aircraft.
- (7) Do the operational test of the extension and retraction system. Refer to [AMM TASK 32-30-00-700-801-A/500](#).
- (8) Lower the aircraft and remove the jacks. Refer to AMM TASK 07-10-00-500-802-A/200.