



AIRCRAFT MAINTENANCE MANUAL

MAIN WHEEL ASSEMBLY - INSPECTION/CHECK

EFFECTIVITY: ALL

1. General

- A. This section gives the procedure to do an inspection of the MLG wheel assembly for general condition and a detailed inspection of the wheel-speed transducer clip in the hub-cap drive clip.
- 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
32-49-02-200-801-A ♦	MLG WHEEL ASSEMBLY - INSPECTION	ALL



EMB145 - EMB135

AIRCRAFT
MAINTENANCE MANUAL

TASK 32-49-02-200-801-A

EFFECTIVITY: ALL

2. MLG WHEEL ASSEMBLY - INSPECTION

A. General

- (1) This procedure gives the instructions to do an inspection of the MLG wheel assembly for general condition and a detailed inspection of the wheel-speed transducer clip in the hub-cap drive clip.

B. References

REFERENCE	DESIGNATION
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
AMM TASK 32-00-02-910-801-A/200	SAFETY PIN OF THE NLG DOORS SOLENOID VALVE - INSTALLATION AND REMOVAL
SB 145-32-0036	-

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
731		LH MLG
721		RH MLG

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 and LH MLG

I. Preparation

SUBTASK 841-002-A

- (1) For aircraft PRE-MOD [SB 145-32-0036](#), make sure that the pressure in hydraulic system No. 1 is fully released ([AMM TASK 29-10-00-860-802-A/200](#)).
- (2) For aircraft POST-MOD [SB 145-32-0036](#), install safety pin of the NLG doors solenoid valve ([AMM TASK 32-00-02-910-801-A/200](#)).



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

J. Visual Inspection of MLG Wheel Assembly ([Figure 601](#))

SUBTASK 212-002-A

- (1) Examine the wheel hubs (flange and web) for cracks.
- (2) Examine the overpressure plug for general condition.
- (3) Examine the nuts of wheel hubs for general condition.
- (4) Examine the wheel hub cap for general condition.

K. Detailed Inspection of Wheel-Speed Transducer Clip in the Hub-Cap Drive Clip ([Figure 602](#))

SUBTASK 220-002-A

- (1) Remove the hub cap (1) from the main landing gear after you remove the attaching bolts (2) and washers (3).
- (2) Examine the hub cap drive clip for cracks, evident damage, distortion, or broken-off pieces.
- (3) Do the check of the drive clip for the attachment to the hub cap (1) and for the correct gap as shown in [Figure 602](#). If necessary, the drive clip gap can be adjusted only once, and then the drive clip must be replaced as soon as possible.
- (4) Inspect the hub cap (1).
- (5) Install the hub cap in the main landing gear with the bolts (2) and washers (3).

L. Follow on

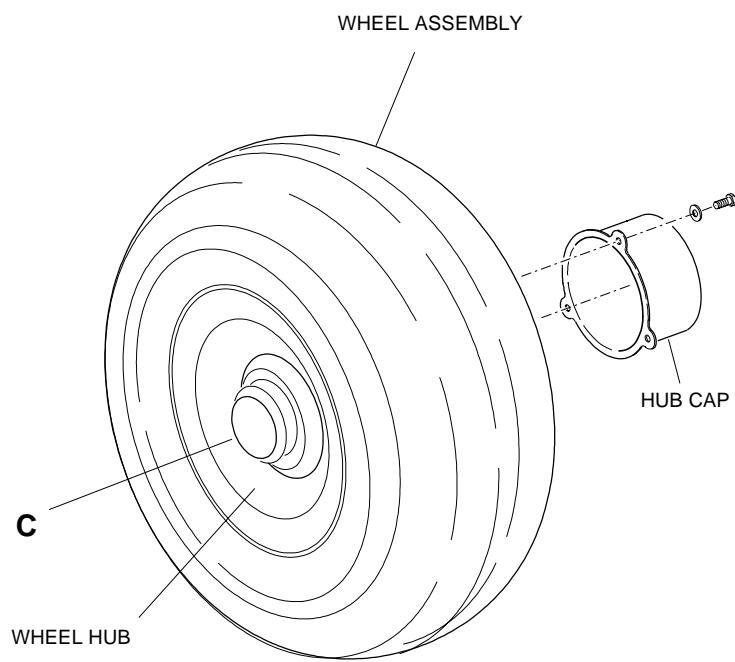
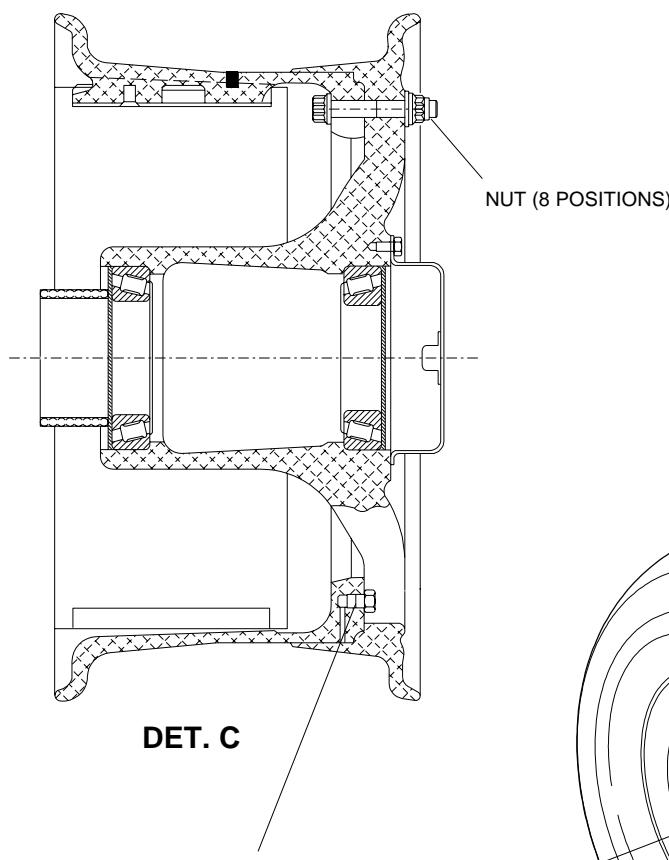
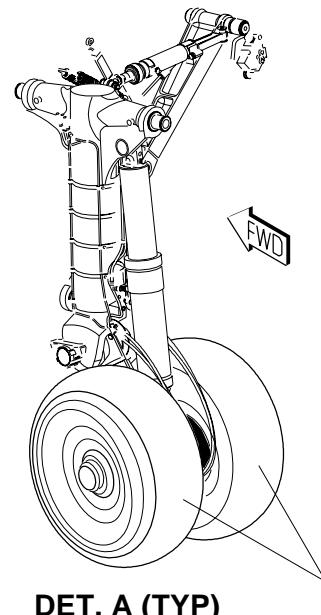
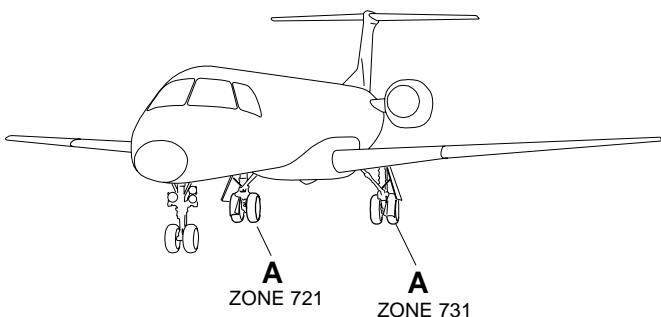
SUBTASK 842-002-A

- (1) Remove the safety pins of the landing gears (TASK 32-00-01-910-801-A).
- (2) For aircraft POST-MOD SB 145-32-0036, remove safety pin from the NLG doors solenoid valve ([AMM TASK 32-00-02-910-801-A/200](#)).

EFFECTIVITY: ALL

MLG Wheel Assembly - Inspection

Figure 601



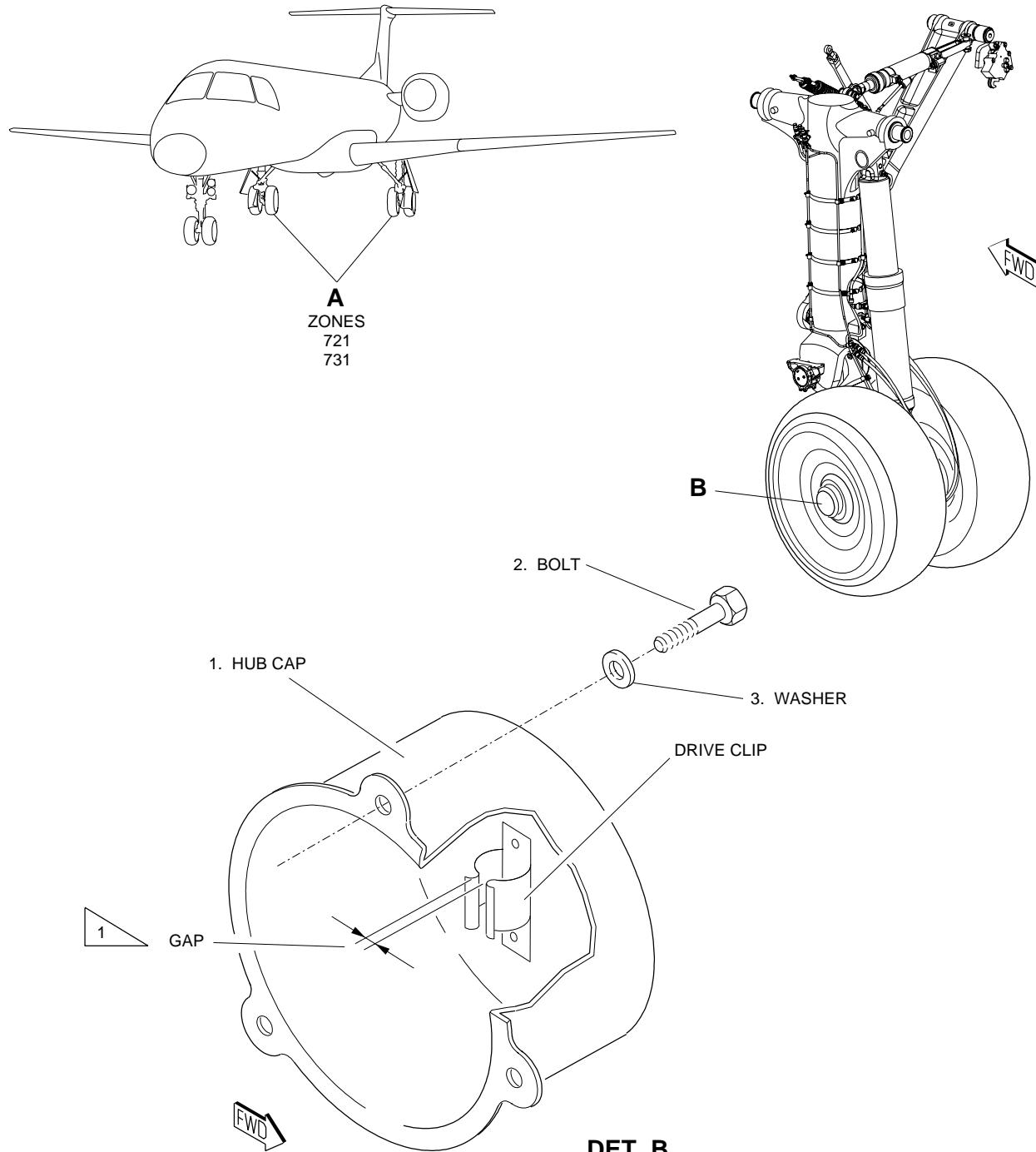
DET. B (TYP)

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EFFECTIVITY: ALL

MLG Wheel Assembly - Detailed Inspection

Figure 602


 DIMENSIONS : MIN. 3.3 mm (0.13 in)
 MAX. 3.8 mm (0.15 in)

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