



AIRCRAFT MAINTENANCE MANUAL

MAIN LANDING GEAR - EXTERNAL - INSPECTION/CHECK

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to do the visual inspection of the main landing gear, gear compartment LH/RH doors and MLG bay for general condition.
- B. Related Zones: 721/722/731/732/532/632.
- C. (Applicable to EMB-145 (ALL) models) Zone Boundaries: STA X = 15315.0 thru STA X = 16783.5.
(Applicable to EMB-135 (ALL) models) Zone Boundaries: STA X = 13309.0 thru STA X = 14777.5.
- D. 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
05-30-24-200-801-A ♦	MAIN LANDING GEAR - EXTERNAL GEN- ERAL VISUAL INSPECTION	ALL



AIRCRAFT
MAINTENANCE MANUAL

EMB145 - EMB135

TASK 05-30-24-200-801-A

EFFECTIVITY: ALL

2. MAIN LANDING GEAR - EXTERNAL GENERAL VISUAL INSPECTION

A. General

- (1) This procedure obeys the EWIS ICA requirement.
- (2) This task gives instructions to do SMRD Zonal Task 32-Z721-213-001-A00.
- (3) You must do the external general visual inspection (GVI) of main landing gear, gear compartment LH/RH doors and MLG bay, in zones 721/722/731/732/532/632, at a distance from which you can touch the items that you will examine.
- (4) The function of the external general visual inspection (GVI) is to find damage, failure, or irregular conditions that can be easily seen.
- (5) After you complete the procedures given in the Zonal Inspection task, you must do a General Visual Inspection (GVI) in all of the specified zones. The inspection must include all installations, components, and structures. Refer to the AMM Introduction for zonal inspection criteria.

B. References

REFERENCE	DESIGNATION
AMM TASK 32-00-01-910-801-A/200	LG SAFETY PIN - INSTALLATION AND REMOVAL
WM 20-22-00	-

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	Main landing gear LH/RH



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I. Preparation

SUBTASK 841-002-A

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

J. External General Visual Inspection ([Figure 601](#))

SUBTASK 212-002-A

- (1) Examine the zone for loose rivets, skin deformation, nicks, cracks, dents, scratches, gouges, creases, erosion, corrosion, deteriorated protective treatment, signs of leakage, and bonding jumper condition.
- (2) Inspect the extension and retraction components: unlocking (1) and main landing gear (2) actuators for general condition ([Figure 601](#)).
- (3) Inspect the upper main brace strut (3) and lower main brace strut (4) for general condition ([Figure 601](#)).
- (4) Examine main landing gear compartment door for signs of damage.
- (5) Examine the gear compartment LH/RH doors and MLG bay for signs of damage.
- (6) Examine the EWIS components for signs of damage, adequate installation, chafing and general condition. Refer to WM 20-22-00.

K. Follow-on

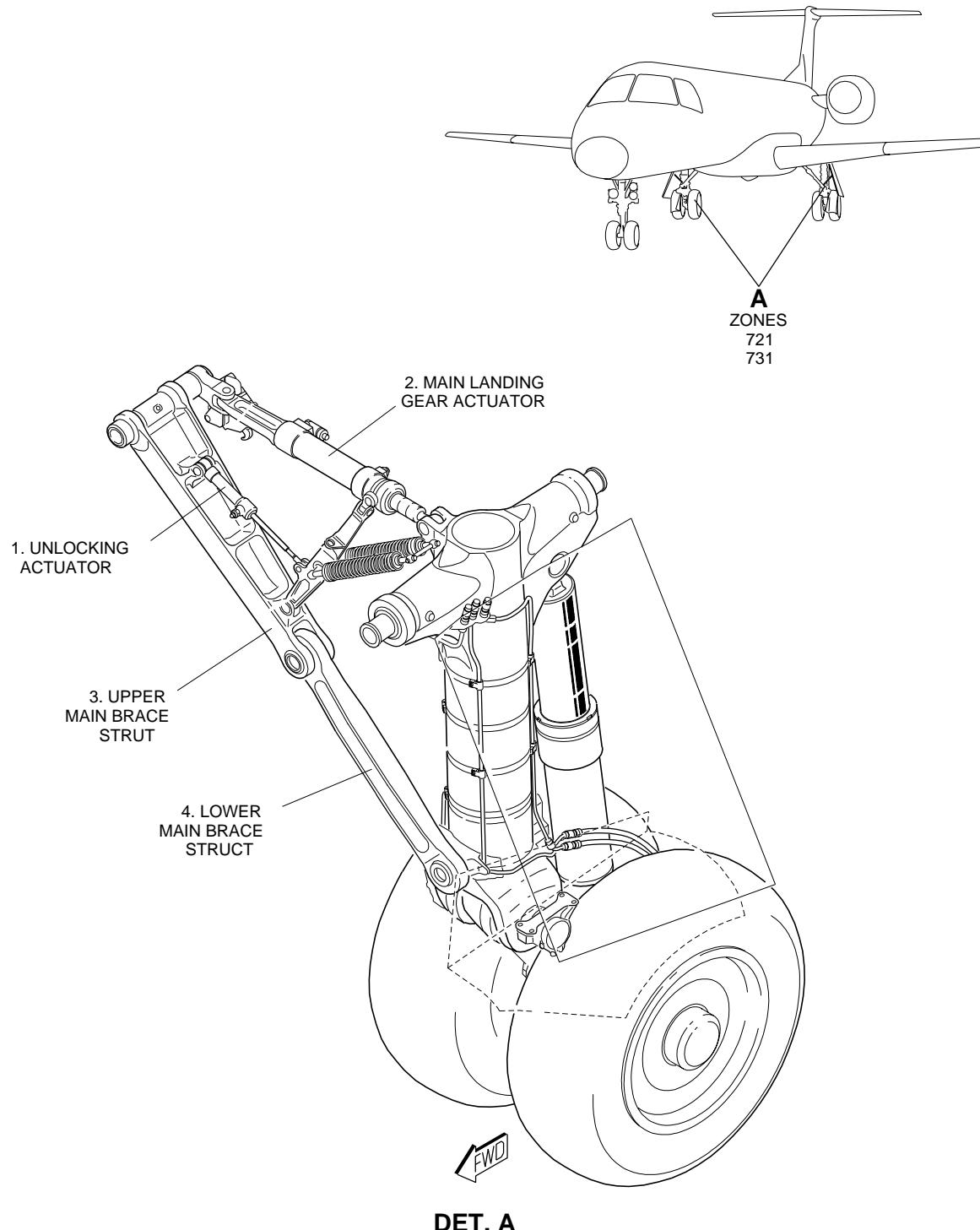
SUBTASK 842-002-A

- (1) Remove the landing gear safety pins ([AMM TASK 32-00-01-910-801-A/200](#)).

EFFECTIVITY: ALL

Main Landing Gear - External General Visual Inspection

Figure 601



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