



EMB145 - EMB135

AIRCRAFT  
MAINTENANCE MANUAL

**LEADING EDGE LENS - CLEANING/PAINTING**

*EFFECTIVITY: ALL*

1. General

- A. The procedures given in this section are applicable to do the cleaning of the landing light lens and navigation light lens.
- 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
57-44-00-100-801-A	LANDING LIGHT LENS AND NAVIGATION ALL LIGHT LENS - CLEANING	



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TASK 57-44-00-100-801-A

EFFECTIVITY: ALL

2. LANDING LIGHT LENS AND NAVIGATION LIGHT LENS - CLEANING

A. General

- (1) Obey these instructions to clean the landing light lens and navigation light lens.

B. Zones and Accesses

Not Applicable

C. Tools and Equipment

Not Applicable

D. Auxiliary Items

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Workstand	To get access to the landing light lens and navigation light lens	1
Commercially available	Soft lint-free cloth	To clean the landing light lens and navigation light lens	1

E. Consumable Materials

SPECIFICATION (BRAND)	DESCRIPTION	QTY
Divoplus V3	Detergent (solution - 10% detergent + 90% warm water)	AR
Triton X-100	Nonionic detergent or equivalent	AR
FED SPEC TT-I-735	Isopropyl alcohol (solution - 50% alcohol + 50% warm water)	AR

F. Expandable Parts

Not Applicable

G. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Outside the aircraft

H. Preparation

*SUBTASK 841-002-A*

- (1) Put the workstand in position and get access to the landing light lens and navigation light lens.

I. Cleaning (Figure 701) (Figure 702)

*SUBTASK 110-002-A*

**WARNING: CLEANING PRODUCTS ARE TOXIC AND FLAMMABLE. A GOOD FLOW OF AIR MUST BE AVAILABLE WHEN THE WORK IS DONE IN A CLOSED AREA.**

- CAUTION: • DO NOT LET THE CLEANING PRODUCTS (SOLVENTS) TOUCH PAINT-FINISH SURFACES, PLASTICS OR SEALANT BEADS NOT TO CAUSE DAMAGE TO THEM.
- DO NOT PUT REMAINING CLEANING MATERIAL BACK INTO ORIGINAL CONTAINERS TO PREVENT CONTAMINATION.
  - DO NOT POUR CLEANING PRODUCT DIRECTLY ON THE SURFACE TO BE CLEANED.
  - DO NOT LET CLEANING PRODUCT EVAPORATE BEFORE IT IS DRIED WITH A LINT-FREE CLOTH.
  - DO NOT WEAR CLOTHES WITH ZIP FASTENERS AND DO NOT USE METAL OBJECTS (SUCH AS WATCHES, BRACELETS, AND RINGS) OR METAL TOOLS WHEN YOU CLEAN THE COVERS. THEY CAN SCRATCH THE TRANSPARENCY AND CAUSE OPTICAL DISTORTIONS.
  - WHEN YOU CLEAN THE COVERS, DO NOT USE ABRASIVE MATERIALS BECAUSE THEY CAN SCRATCH THE TRANSPARENCY.
  - BE CAREFUL DURING CLEANING OF VARNISHED PARTS. THEY ARE VERY FRAGILE AND IT IS NOT POSSIBLE TO REPAIR THEM.

- (1) Clean the surface of the leading edge and wingtip landing light lenses as follows:
  - (a) Clean the lens with a cloth moist with detergent. Choose the necessary material from the Consumable Materials Table.
  - (b) Wash the covers with circular strokes until all dust is removed.
  - (c) Remove all the used solution with a cloth soaked in water.
  - (d) Complete the cleaning of the lens with the aid of a cloth moist with a solution of isopropyl alcohol (50% alcohol + 50% warm water).
  - (e) Rub the lens dry with a dry, clean cloth. Do not rub down too much.

J. Follow-on

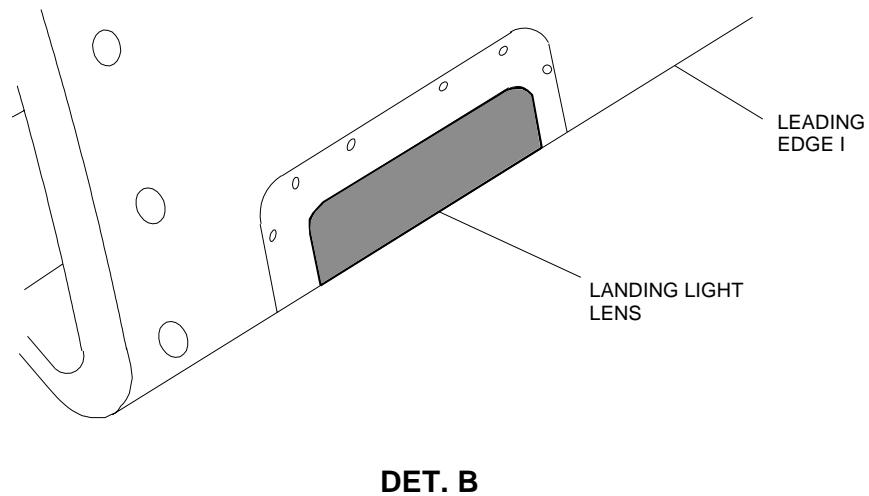
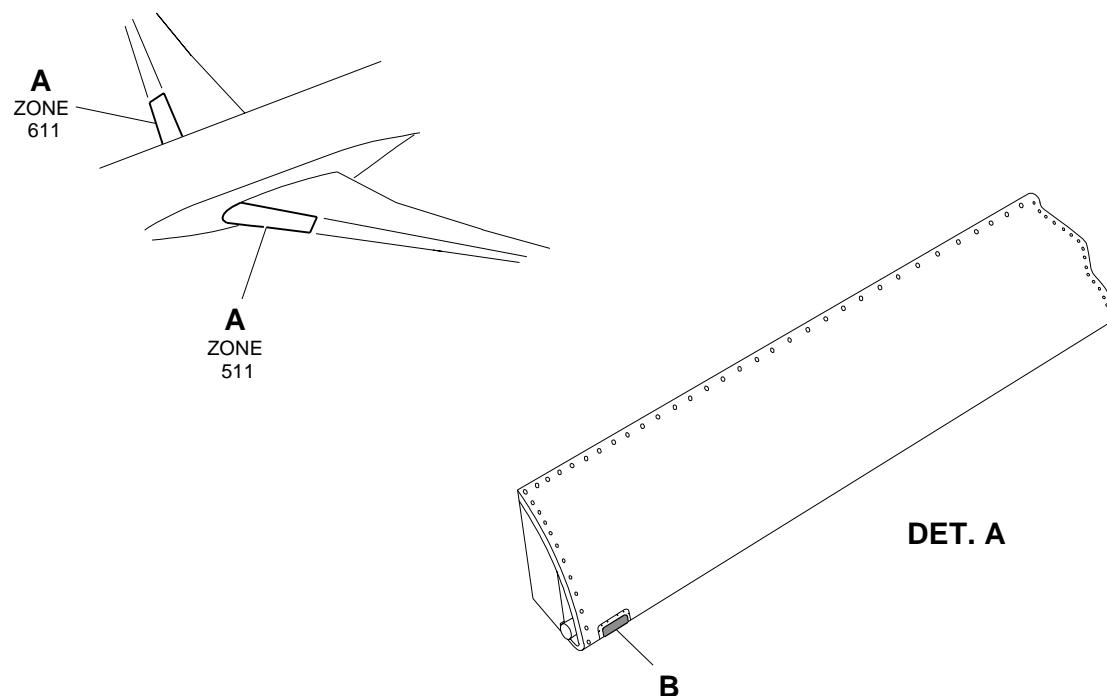
SUBTASK 842-002-A

- (1) Remove the workstand from the work area.

**EFFECTIVITY: ALL**

Landing Light Lens - Cleaning

Figure 701



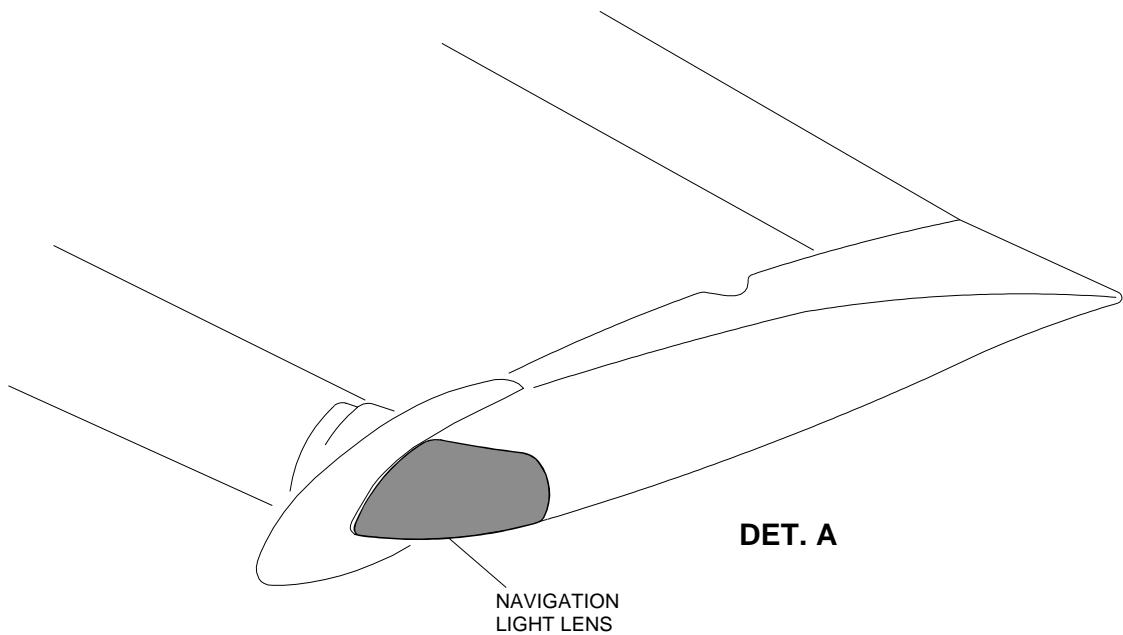
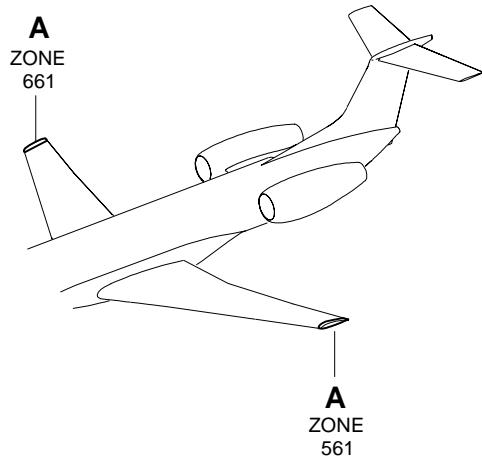
**DET. B**

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EFFECTIVITY: ALL

Wingtip Navigation Light Lens - Cleaning

Figure 702



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**57-44-00**

100-801-A/700  
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