



AIRCRAFT MAINTENANCE MANUAL

WING TIP LENS - REMOVAL/INSTALLATION

EFFECTIVITY: ACFT MODEL(S) EMB-135

1. General

- A. This section gives the procedures to remove and install the wing tip lens.
- B. These procedures are applicable to the LH and RH wing tip lenses.
- 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 |
|--------------------|------------------------------|--------------------------|
| 57-30-01-000-801-A | WING TIP LENS - REMOVAL | ACFT MODEL(S) EMB-135 |
| 57-30-01-400-801-A | WING TIP LENS - INSTALLATION | ACFT MODEL(S) EMB-135 |



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TASK 57-30-01-000-801-A

EFFECTIVITY: ACFT MODEL(S) EMB-135

2. WING TIP LENS - REMOVAL

A. General

- (1) This task gives the instructions to remove the wing tip lens.

B. References

| REFERENCE | DESIGNATION |
|--------------|-------------|
| SRM 51-20-01 | - |

C. Zones and Accesses

| ZONE | PANEL/DOOR | LOCATION |
|------|------------|----------|
| 561 | Wing tip | LH wing |
| 661 | Wing tip | RH wing |

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 | On the wing tip |

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

SUBTASK 020-005-B

- (1) Remove the screws (1) from the fairing strap (2).
- (2) Remove the fairing strap (2).
- (3) Remove the screws (3) from the lens strap (5).
- (4) Remove the lens strap (5).
- (5) Remove the wing tip lens (4).

NOTE: Make sure that the interface sealant is not damaged. If necessary, apply sealant again. Refer to SRM 51-20-01.



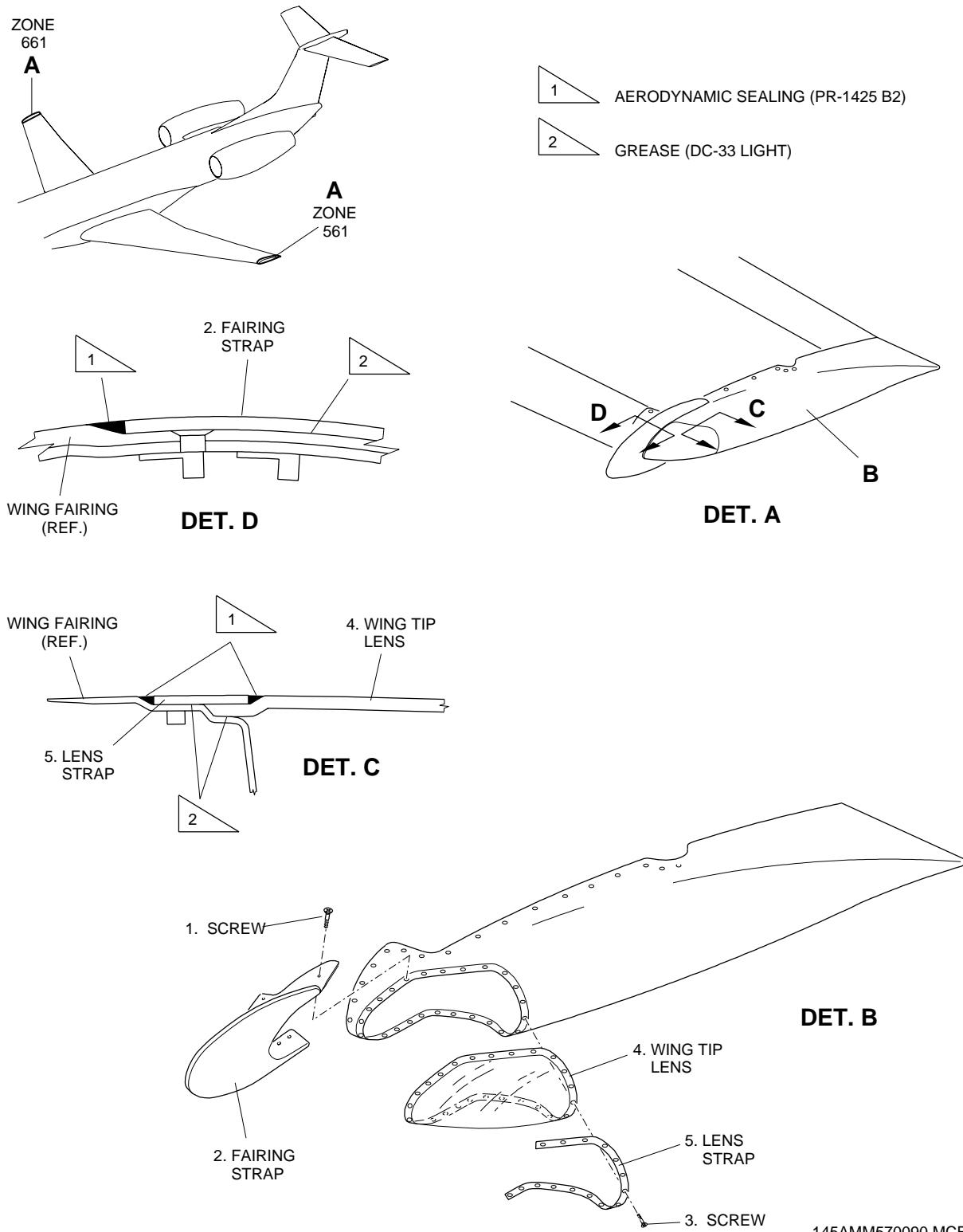
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-
- (6) Remove all the old aerodynamic sealant and prepare the surface (SRM 51-20-01) of the wing fairing, lens strap (5), and wing tip lens (4) (Refer to the [Figure 401 DET. C](#)).

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Wing Tip Lens - Removal/Installation

Figure 401



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TASK 57-30-01-400-801-A

EFFECTIVITY: ACFT MODEL(S) EMB-135

3. WING TIP LENS - INSTALLATION

A. General

(1) This task gives the instructions to install the wing tip lens.

B. References

| REFERENCE | DESIGNATION |
|--------------|-------------|
| SRM 51-20-01 | - |

C. Zones and Accesses

| ZONE | PANEL/DOOR | LOCATION |
|------|------------|----------|
| 561 | Wing tip | LH wing |
| 661 | Wing tip | RH wing |

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

| ITEM | DESCRIPTION | PURPOSE | QTY |
|------------------------|-------------|----------------------------|-----|
| Commercially available | Flannel | To clean the wing tip lens | 1 |

F. Consumable Materials

| SPECIFICATION (BRAND) | DESCRIPTION | QTY |
|------------------------|---|-----|
| Commercially available | Adhesive Tape | AR |
| Commercially available | Aluminum Tape (AL Tape 425) | AR |
| Commercially available | Polyethylene Film | AR |
| MIL-G-46886 | Grease, Molykote, DC-33, light | AR |
| TT-N-95 | Naphtha | AR |
| MEP 09-037 | Sealant, PR 1425 - B 2 | AR |
| MEP 09-060 | Corrosion Inhibiting Compound (CA-1000) | AR |

G. Expandable Parts

Not Applicable

H. Persons Recommended

| QTY | FUNCTION | PLACE |
|-----|---------------|-----------------|
| 1 | Does the task | On the wing tip |



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I. Installation (Figure 401)

SUBTASK 420-005-B

- (1) Clean the inside and the outside of the wing tip lens (4) with a flannel soaked in naphtha.
- (2) Apply Molykote DC-33 light grease to the faying surfaces of the wing tip lens (4) and lens strap (5).
- (3) Install the wing tip lens (4) and the lens strap (5).

WARNING: CA-1000 CORROSION-INHIBITING COMPOUND IS TOXIC TO SKIN, EYES AND RESPIRATORY TRACT. USE GOGGLES AND PROTECTIVE GLOVES. USE ONLY IN WELL VENTILATED AREAS. OBEY THE MANUFACTURE'S HEALTH AND SAFETY INSTRUCTIONS.

- (4) Soak the screws (3) with CA-1000 and install them.
- (5) Apply Molykote DC-33 light grease to the faying surfaces of the fairing strap (2).
- (6) Install the fairing strap (2).
- (7) Soak the screws (1) in CA-1000 and install them.
- (8) Apply aerodynamic sealant PR 1425 - B 2 (SRM 51-20-01) along the gap between the winglet lens (4), the lens strap (5), and the fairing strap (2).