

WING TIP LENS - REMOVAL/INSTALLATION

EFFECTIVITY: ACFT MODEL(S) EMB-145

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-145
57-30-01-400-801-A	WING TIP LENS - INSTALLATION	ACFT MODEL(S) EMB-145

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

EFFECTIVITY: ACFT MODEL(S) EMB-145

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 [\(Figure 401\)](#) [\(Figure 402\)](#)

SUBTASK 020-004-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).

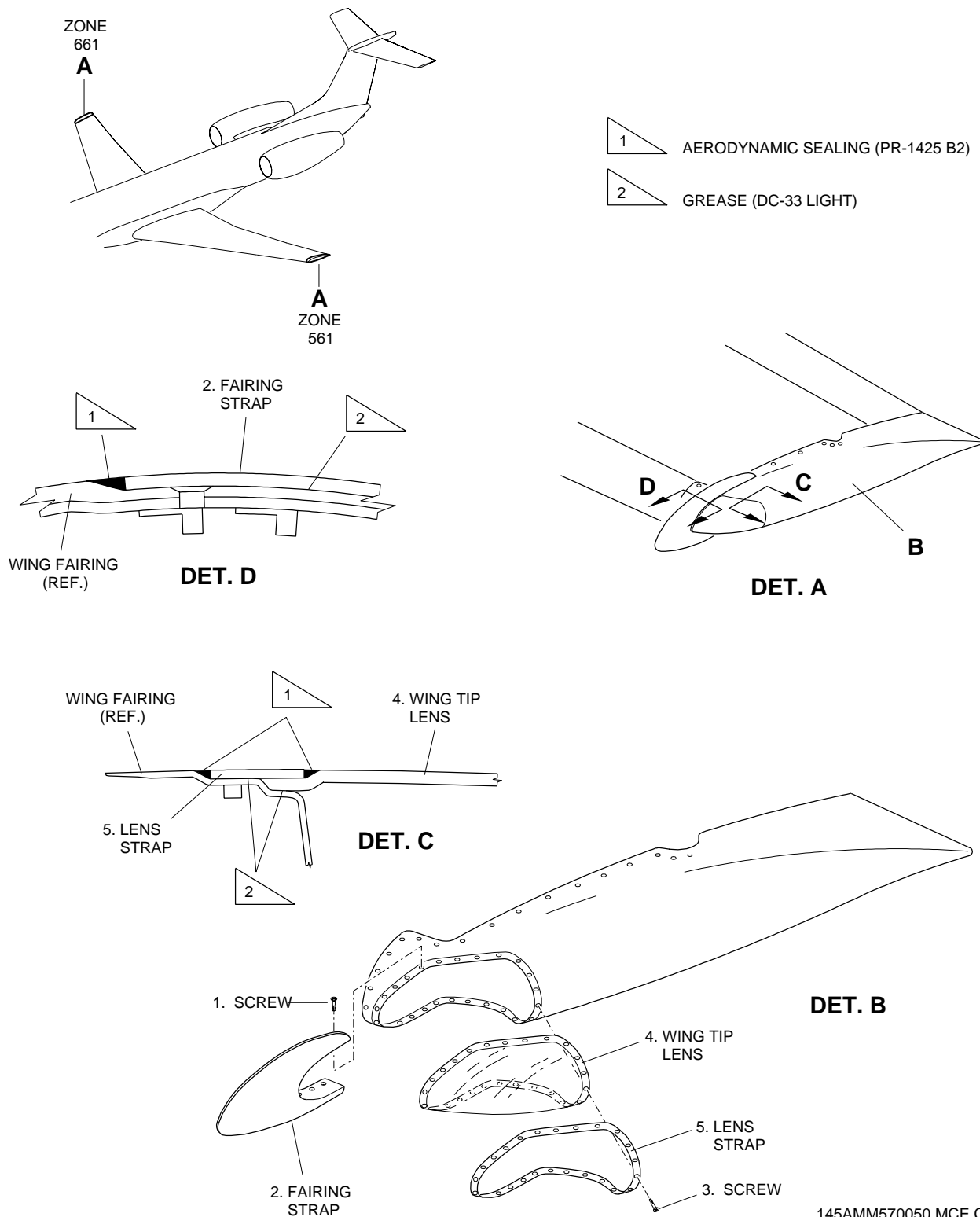
NOTE: Make sure that the interface sealant is not damaged. If necessary, apply sealant again. Refer to SRM 51-20-01.

- (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 [Figure 401](#) or [Figure 402](#), DET. C).

EFFECTIVITY: PRE-MOD S.B. 145-57-0023

Wing Tip Lens - Removal/Installation

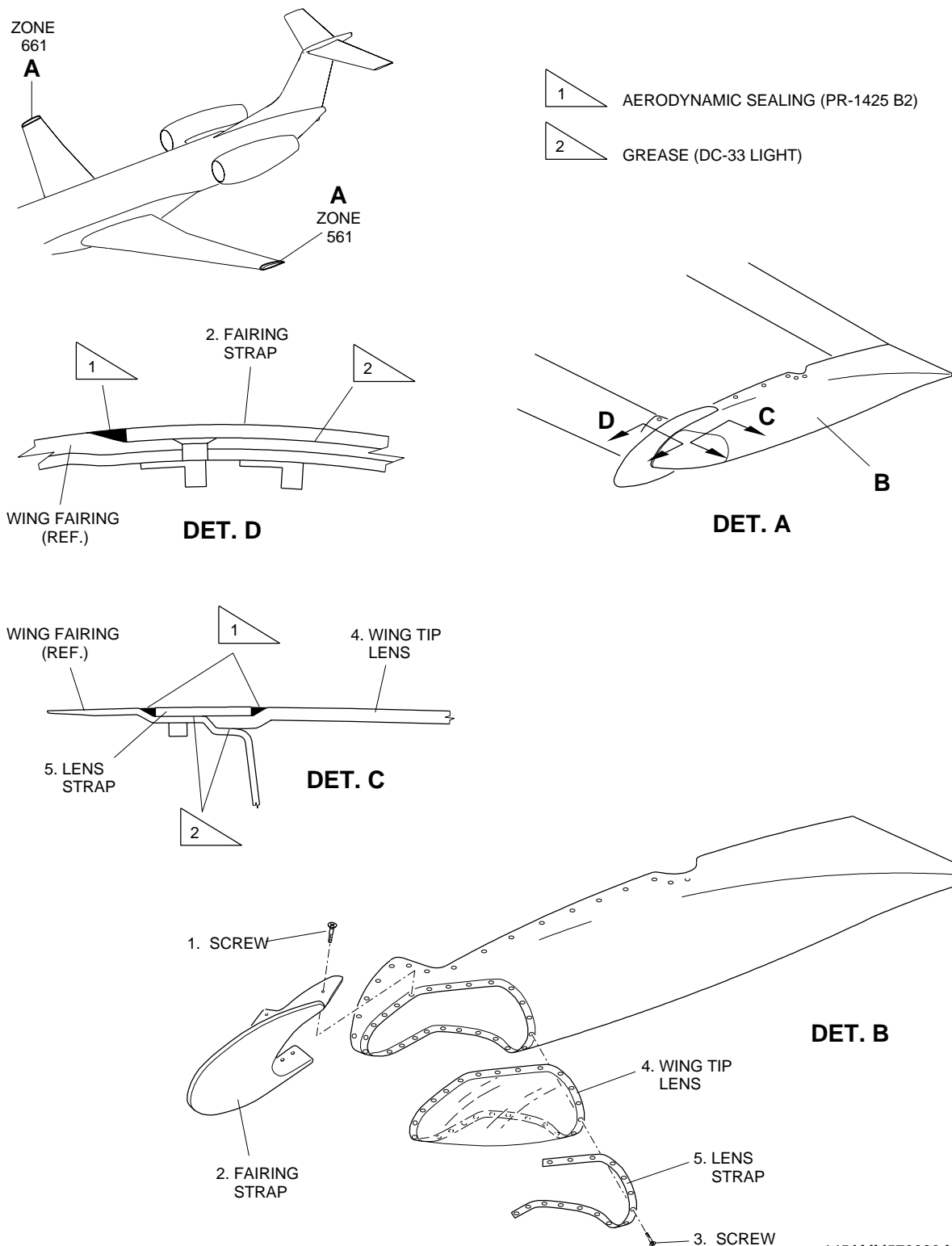
Figure 401



EFFECTIVITY: POST-MOD S.B. 145-57-0023

Wing Tip Lens - Removal/Installation

Figure 402



145AMM570090.MCE

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

EFFECTIVITY: ACFT MODEL(S) EMB-145

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

I. Installation (Figure 401) (Figure 402)

SUBTASK 420-004-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 MANUFACTURES' 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).

