

PYLON FAIRINGS - REMOVAL/INSTALLATION

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to remove and install the pylon fairings.
- 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
54-52-01-000-801-A	PYLON FAIRINGS - REMOVAL	ALL
54-52-01-400-801-A	PYLON FAIRINGS - INSTALLATION	ALL

TASK 54-52-01-000-801-A

EFFECTIVITY: ALL

2. PYLON FAIRINGS - REMOVAL

A. General

(1) This procedure gives the instructions to remove the Pylon Fairings.

B. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
414		LH Pylon
424		RH Pylon

C. Tools and Equipment

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Workstand	To get access to the work area	
Commercially available	Torque wrench	To tighten the screws	

D. Auxiliary Items

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Protective Gloves	For protection of technician's hands	1
Commercially available	Safety Goggles	For protection of technician's eyes	1

E. Consumable Materials

SPECIFICATION (BRAND)	DESCRIPTION	QTY
ASTM-D-740	Methyl Ethyl Ketone - MEK	AR

F. Expandable Parts

Not Applicable

G. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Pylon

H. Preparation

SUBTASK 841-002-A

(1) On the circuit breaker panel, open the circuit breakers below and attach a DO-NOT-CLOSE tag to them:

- THRUST REVERSER 1/2.
- START 1/2.

WARNING: MAKE SURE THAT THE HYDRAULIC TEST STAND IS NOT CONNECTED.

- (2) Put a DO-NOT-OPERATE-THE-THRUST-REVERSERS sign on the instrument panel, in the cockpit.

I. Pylon Leading-edge Fairing - Removal ([Figure 401](#)) ([Figure 402](#))

SUBTASK 020-014-A

- (1) Remove the screw (2). Refer to [Figure 401](#); DET. B.
- (2) Remove the pylon leading-edge fairing (1). Refer to [Figure 401](#); DET. B.

WARNING: BE CAREFUL WHEN YOU USE SOLVENTS BECAUSE THEY ARE A HEALTH AND FIRE HAZARD. USE SAFETY GOGGLES AND PROTECTIVE CLOTHING WHEN YOU HANDLE THEM. DO NOT BREATHE THEIR GASES AND WORK IN A WELL VENTILATED AREA.

- (3) With a cloth soaked in MEK, clean the surface.
- (4) Examine the gasket for general condition. Replace it if necessary. Refer to [Figure 402](#).

NOTE: If it is necessary to replace the gasket, use a wooden tool as a wedge for the separation of the gasket from the surface of the electric contacts.

J. Pylon Trailing-edge Fairing - Removal ([Figure 403](#)) ([Figure 404](#))

SUBTASK 020-003-A

- (1) Remove the screw (2). Refer to [Figure 403](#); DET. B.
- (2) Remove the pylon trailing-edge fairing (1). Refer to [Figure 403](#); DET. B.

WARNING: BE CAREFUL WHEN YOU USE SOLVENTS BECAUSE THEY ARE A HEALTH AND FIRE HAZARD. USE SAFETY GOGGLES AND PROTECTIVE CLOTHING WHEN YOU HANDLE THEM. DO NOT BREATHE THEIR GASES AND WORK IN A WELL VENTILATED AREA.

- (3) With a cloth soaked in MEK, clean the surface.
- (4) Examine the gasket for general condition. Replace it if necessary. Refer to [Figure 404](#).

NOTE: If it is necessary to replace the gasket, use a wooden tool as a wedge for the separation of the gasket from the surface of the electric contacts.

K. Pylon Upper Fairing - Removal ([Figure 405](#)) ([Figure 406](#))

SUBTASK 020-004-A

- (1) Remove the screw (2). Refer to [Figure 405](#); DET. B.
- (2) Remove the pylon upper fairing (1). Refer to [Figure 405](#); DET. B.

WARNING: BE CAREFUL WHEN YOU USE SOLVENTS BECAUSE THEY ARE A HEALTH AND FIRE HAZARD. USE SAFETY GOGGLES AND PROTECTIVE CLOTHING WHEN YOU HANDLE THEM. DO NOT BREATHE THEIR GASES AND WORK IN A WELL VENTILATED AREA.

- (3) With a cloth soaked in MEK, clean the surface.
- (4) Examine the gasket for general condition. Replace it if necessary. Refer to [Figure 406](#).

NOTE: If it is necessary to replace the gasket, use a wooden tool as a wedge for the separation of the gasket from the surface of the electric contacts.

L. Pylon Lower Fairing - Removal ([Figure 407](#)) ([Figure 408](#))

SUBTASK 020-005-A

- (1) Remove the screw (2). Refer to [Figure 407](#); DET. B.
- (2) Remove the pylon lower fairing (1). Refer to [Figure 407](#); DET. B.

WARNING: BE CAREFUL WHEN YOU USE SOLVENTS BECAUSE THEY ARE A HEALTH AND FIRE HAZARD. USE SAFETY GOGGLES AND PROTECTIVE CLOTHING WHEN YOU HANDLE THEM. DO NOT BREATHE THEIR GASES AND WORK IN A WELL VENTILATED AREA.

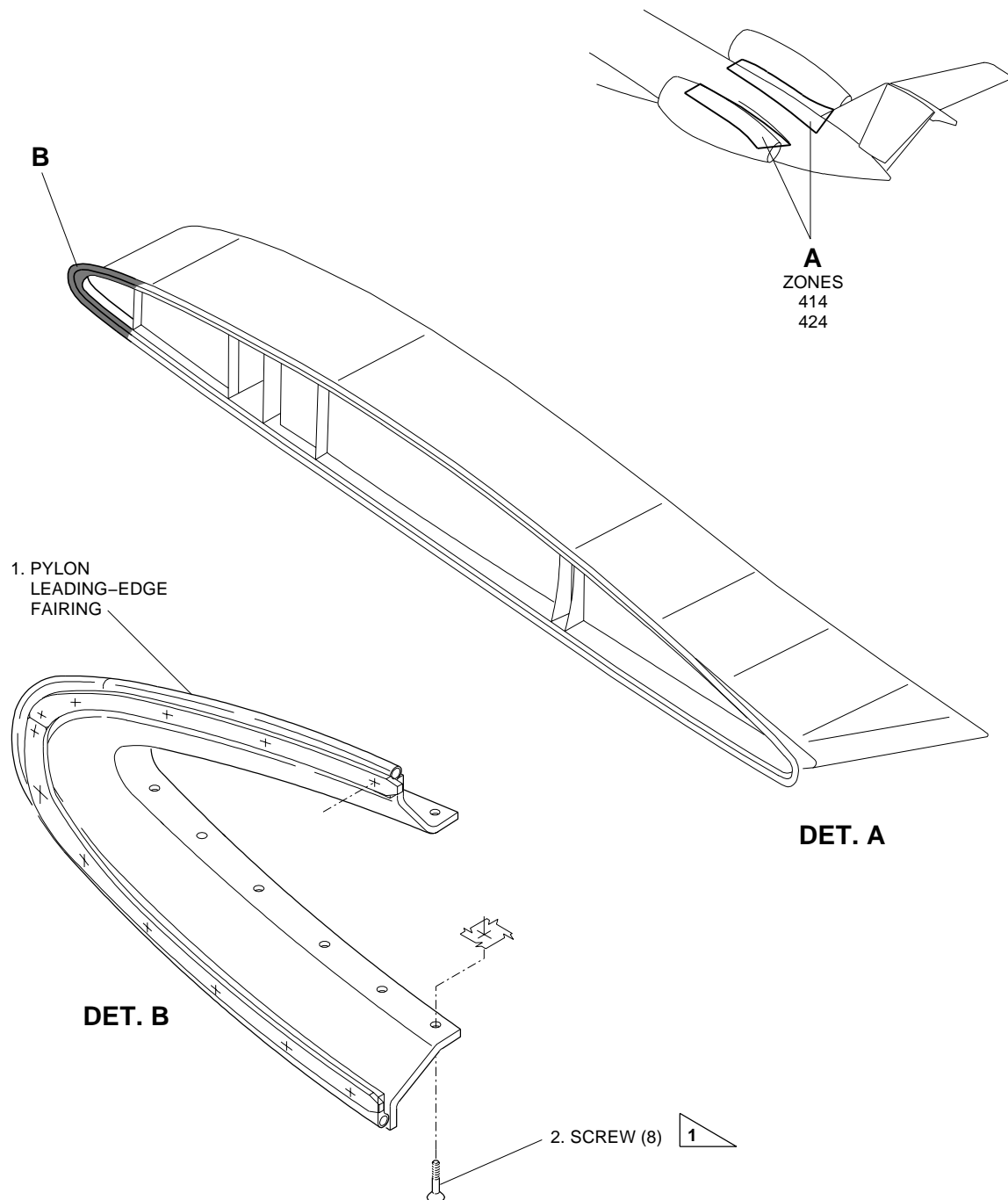
- (3) With a cloth soaked in MEK, clean the surface.
- (4) Examine the gasket for general condition. Replace it if necessary. Refer to [Figure 408](#).

NOTE: If it is necessary to replace the gasket, use a wooden tool as a wedge for the separation of the gasket from the surface of the electric contacts.

EFFECTIVITY:: ALL

Pylon Leading-edge Fairing - Removal/Installation

Figure 401



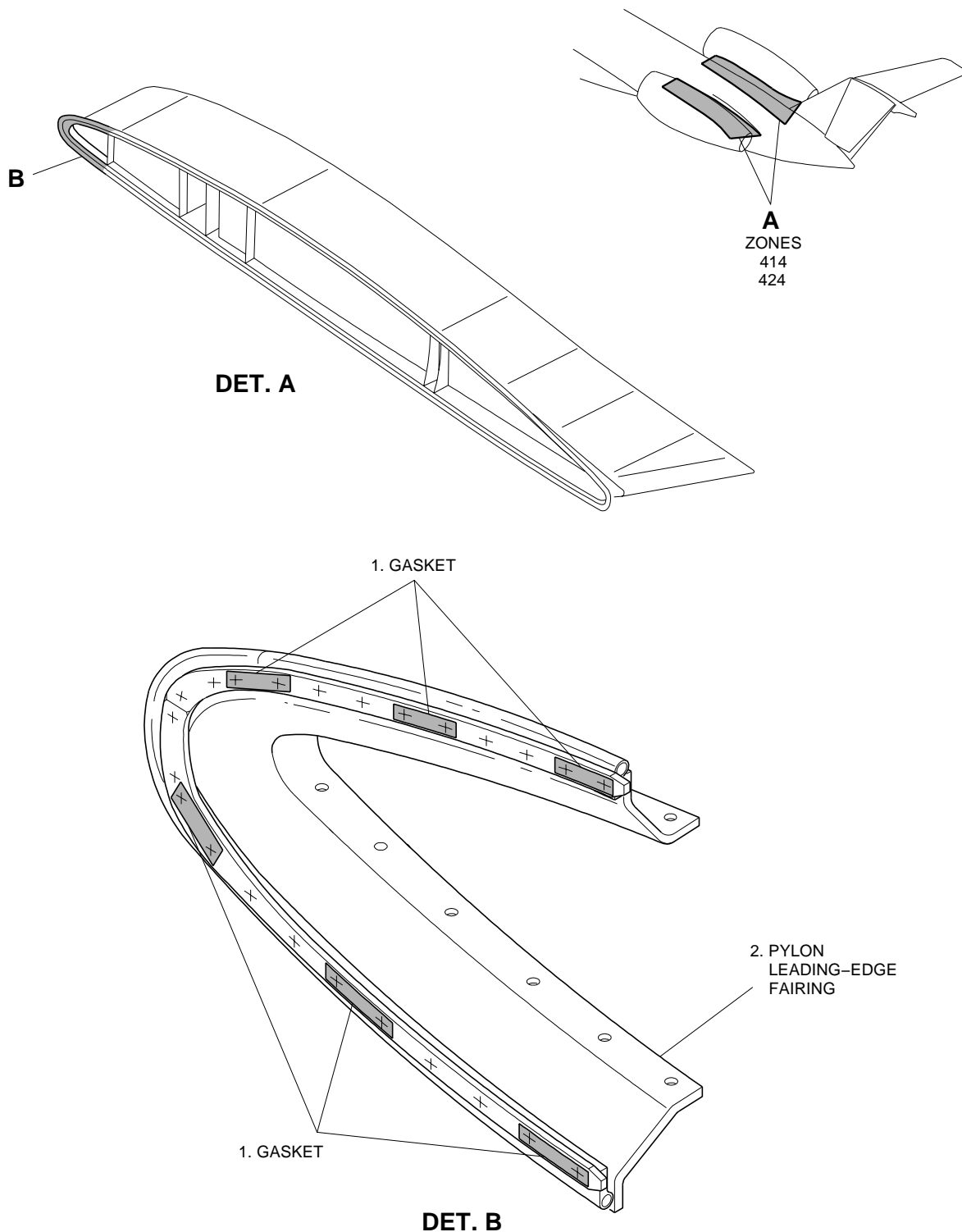
1 SOAK THE FASTENERS IN COR-BAN 27L

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EFFECTIVITY:: ALL

Pylon Trailing-edge Fairing - Gasket

Figure 402

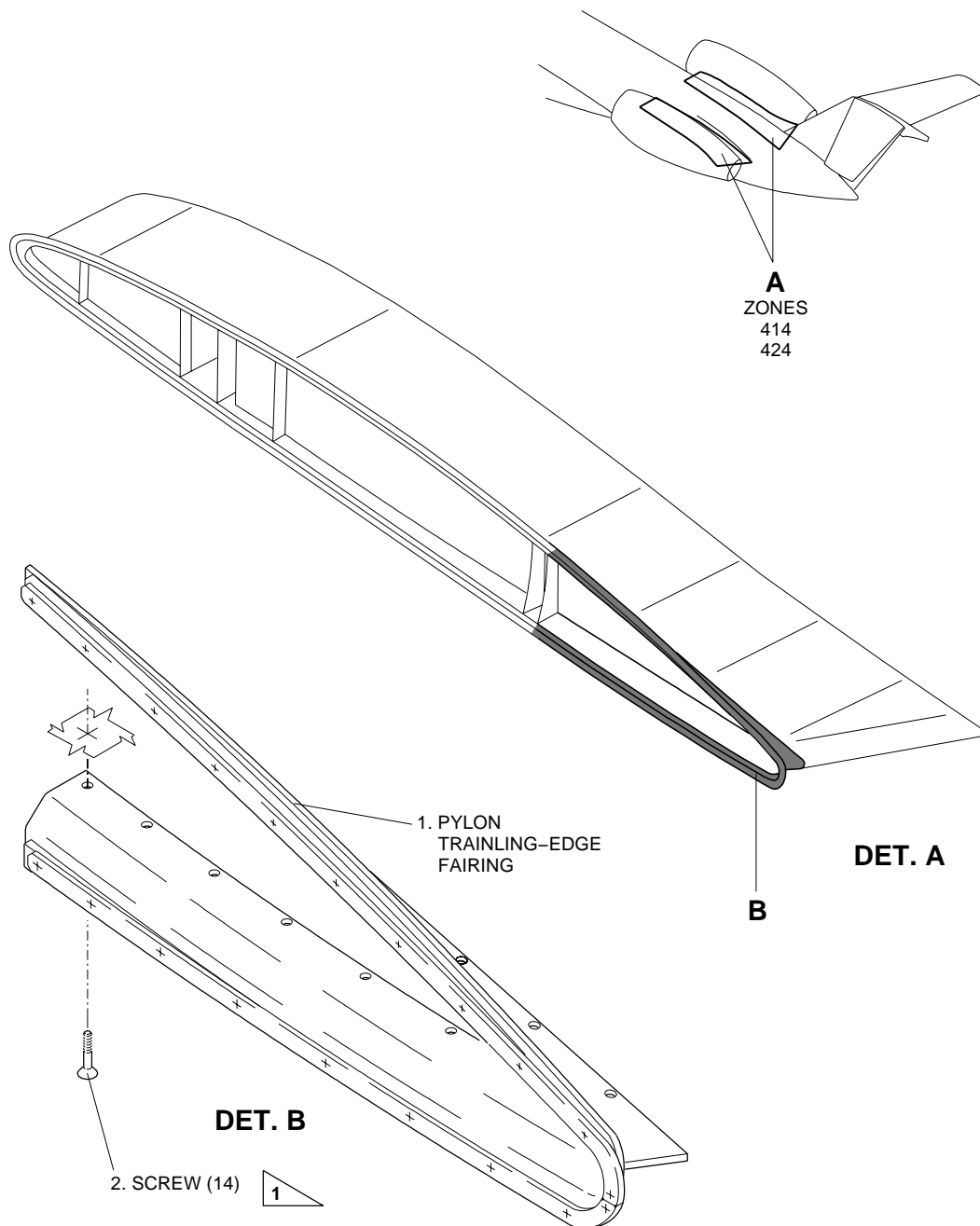


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EFFECTIVITY:: ALL

Pylon Trailing-edge Fairing - Removal/Installation

Figure 403



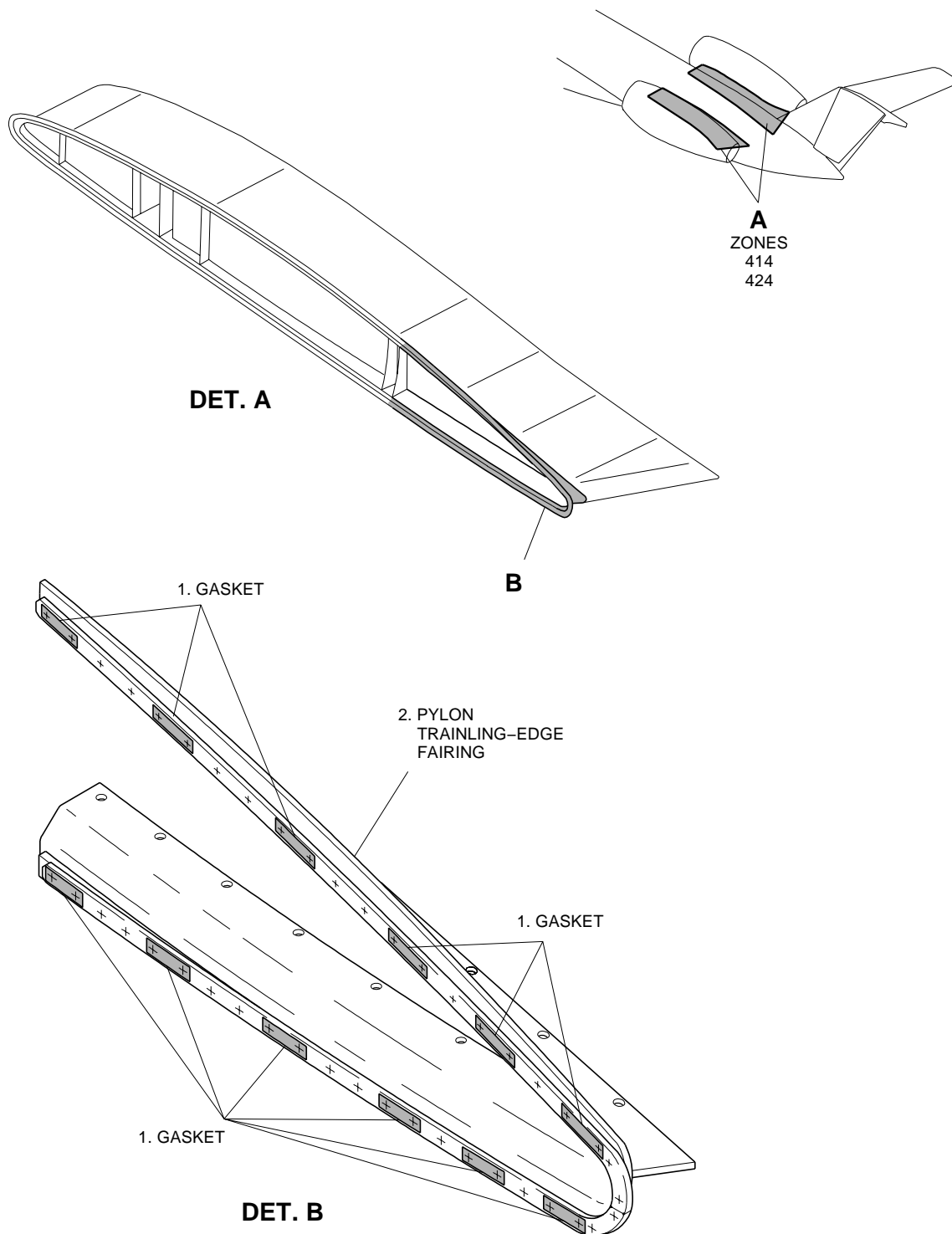
1 SOAK THE FASTENERS IN COR-BAN 27L

145AMM540007D.MCE

EFFECTIVITY:: ALL

Pylon Trailing-edge Fairing - Gasket

Figure 404

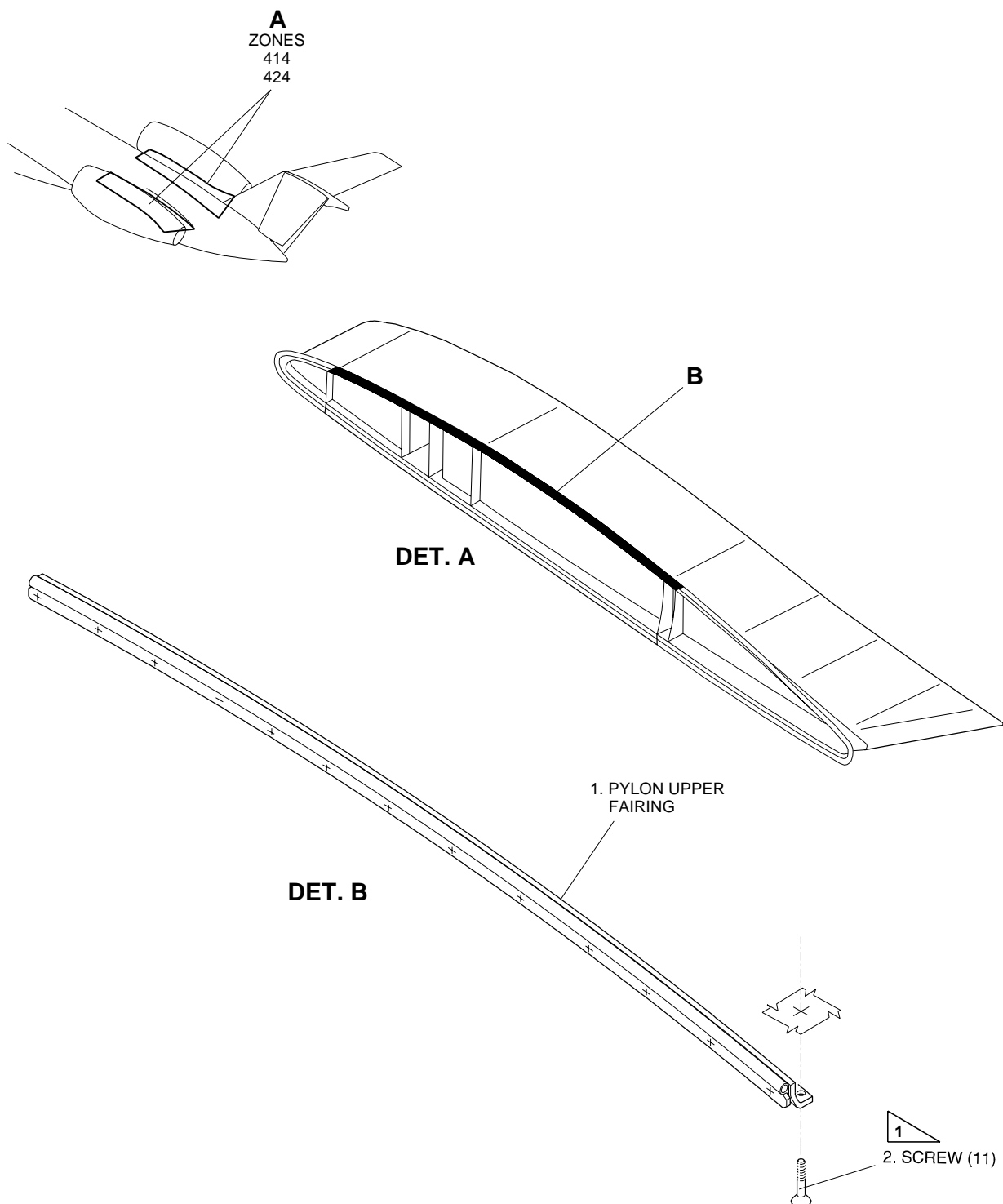


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EFFECTIVITY:: ALL

Pylon Upper Fairing - Removal/Installation

Figure 405



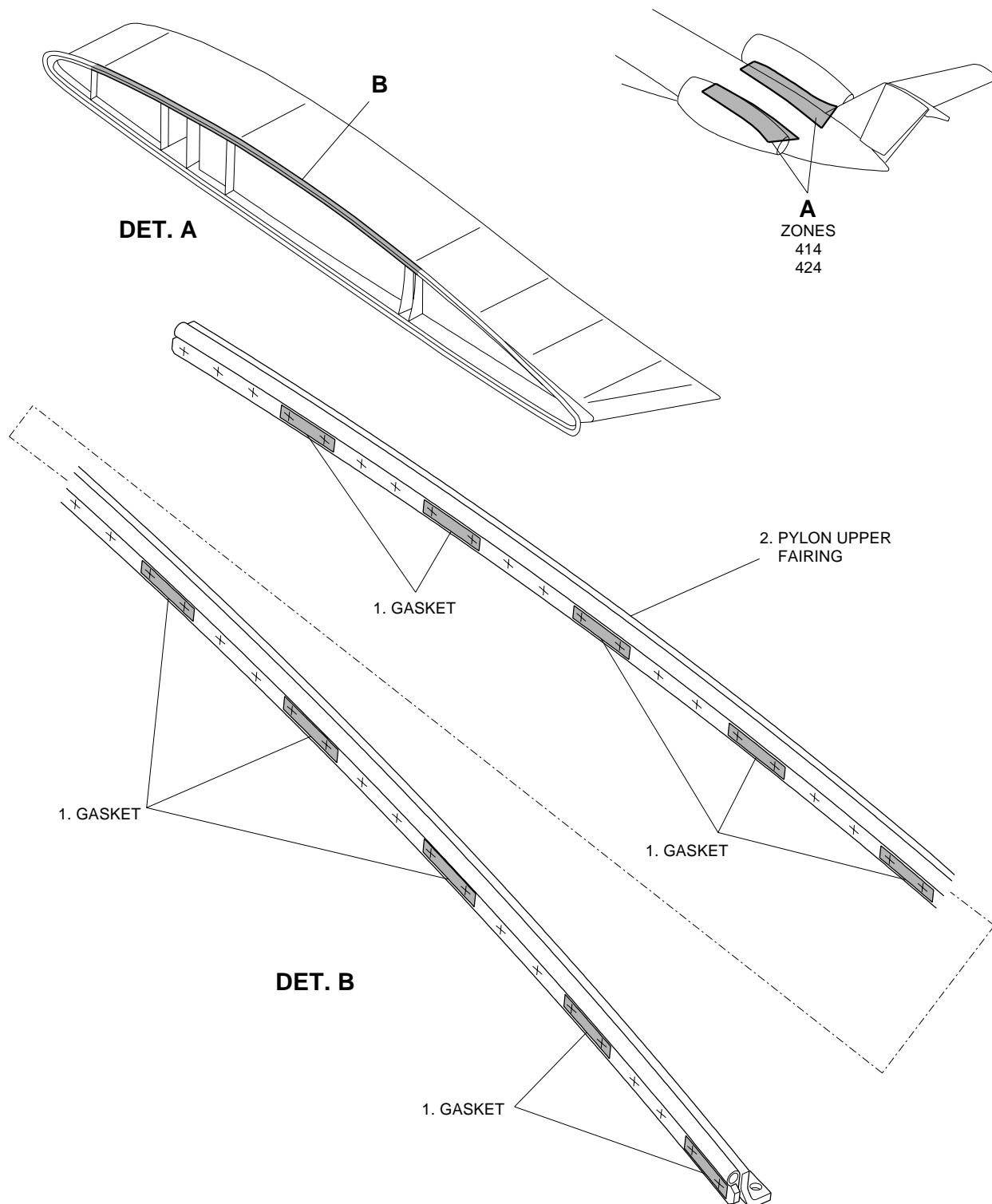
1 SOAK THE FASTENERS IN COR-BAN 27L

145AMM540005D.MCE

EFFECTIVITY:: ALL

Pylon Upper Fairing - Gasket

Figure 406

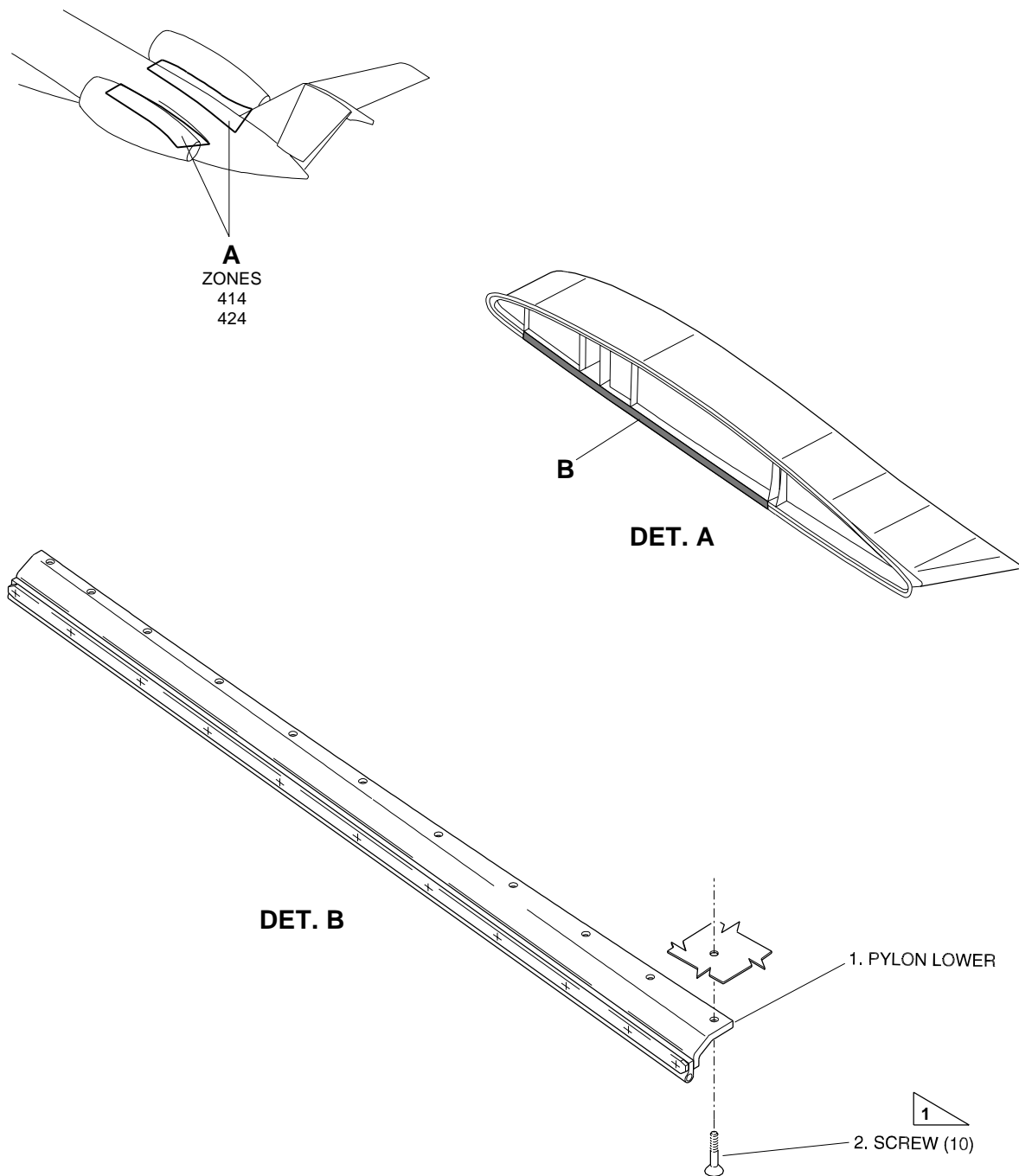


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EFFECTIVITY:: ALL

Pylon Lower Fairing - Removal/Installation

Figure 407



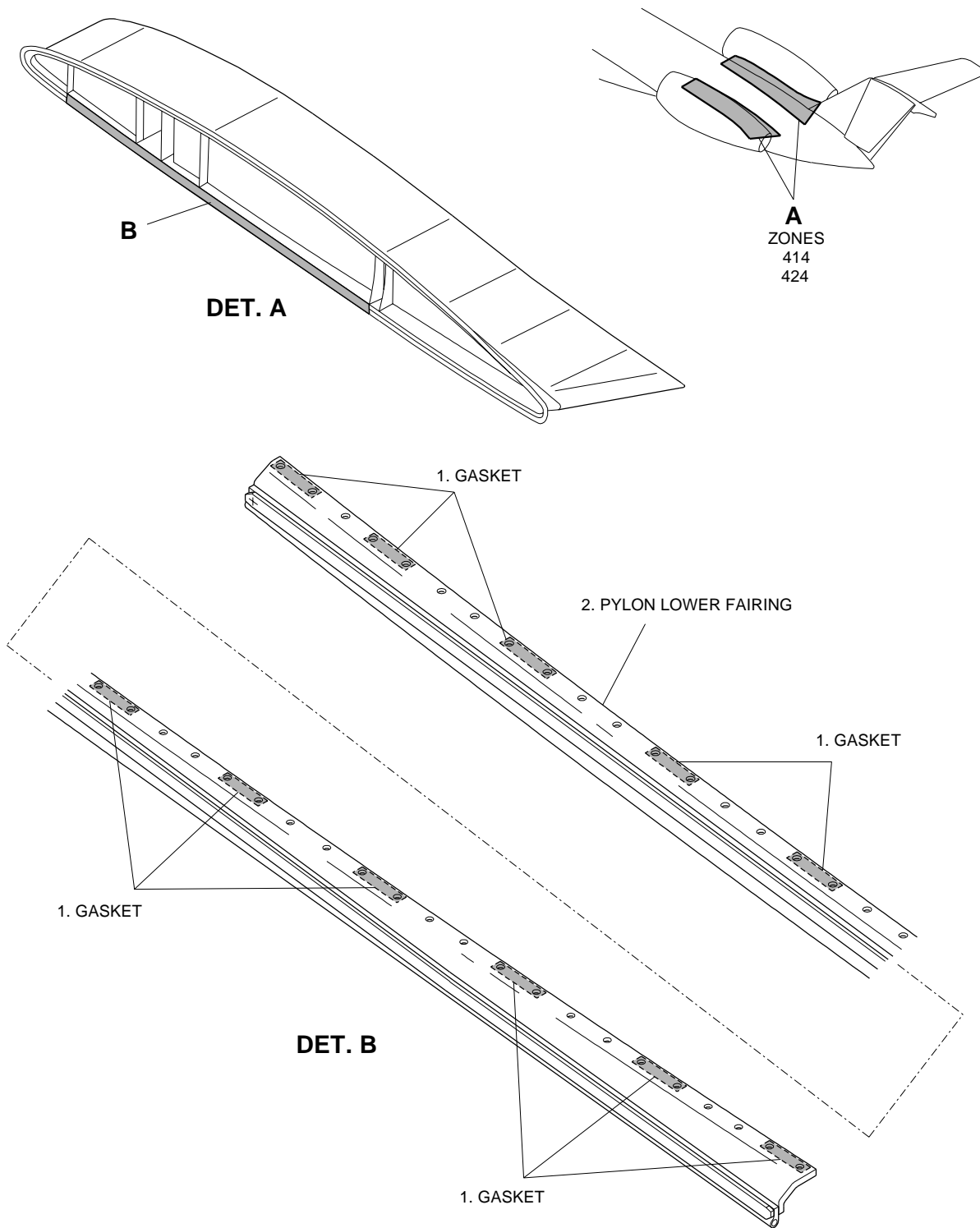
1 SOAK THE FASTENERS IN COR-BAN 27L

145AMM540004D.MCE

EFFECTIVITY:: ALL

Pylon Lower Fairing - Gasket

Figure 408



EM145AMM540034C.DGN

TASK 54-52-01-400-801-A
EFFECTIVITY: ALL

3. PYLON FAIRINGS - INSTALLATION

A. General

(1) This procedure gives the instructions to install the Pylon Fairings.

B. References

REFERENCE	DESIGNATION
AMM MPP 20-10-01/200	- MAINTENANCE PRACTICES
AMM TASK 20-13-21-700-801-A/200	ELECTRICAL BONDING TEST - STANDARD PROCEDURES
IPC 54-55-00	PYLON FAIRING

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
414		LH Pylon
424		RH Pylon

D. Tools and Equipment

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Workstand	To get access to the work area	
Commercially available	Torque wrench	To tighten the screws	

E. Auxiliary Items

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Protective Gloves	For protection of technician's hands	1
Commercially available	Safety Goggles	For protection of technician's eyes	1

F. Consumable Materials

SPECIFICATION (BRAND)	DESCRIPTION	QTY
MEP 09-075	Corrosion-Inhibiting Compound (COR-BAN 27L)	AR
ASTM-D-740	Methyl Ethyl Ketone - MEK	AR
Commercially available	Scotch Brite Sponge	AR

G. Expendable Parts

ITEM	IPC REFERENCE (VENDOR REFERENCE)	QTY
gasket	IPC 54-55-00	AR

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Pylon

I. Pylon Leading-edge Fairing - Installation (Figure 401) (Figure 402)

SUBTASK 420-002-A

- (1) Install the gasket. Refer to (Figure 402):

- (a) With a Scotch Brite sponge, sand the surface of the electric contacts where the gasket will be bonded.

WARNING: BE CAREFUL WHEN YOU USE SOLVENTS BECAUSE THEY ARE A HEALTH AND FIRE HAZARD. USE SAFETY GOGGLES AND PROTECTIVE CLOTHING WHEN YOU HANDLE THEM. DO NOT BREATHE THEIR GASES AND WORK IN A WELL VENTILATED AREA.

- (b) With a cloth soaked in MEK, clean the area of the electric contacts where the gasket will be bonded.

- (c) Remove the release film from the gasket.

NOTE: Do not warp or twist the gasket.

- (d) Install the gasket on the electric contacts.

- (2) Install the pylon leading-edge fairing (1). Refer to (Figure 401); DET. B.

WARNING: COR-BAN 27L IS TOXIC TO SKIN, EYES, AND RESPIRATORY INHALATION. USE PVC GLOVES AND EYE PROTECTION GOGGLES. USE ONLY IN WELL VENTILATED AREAS. OBEY THE MANUFACTURER'S HEALTH AND SAFETY INSTRUCTIONS.

- (3) Soak the screws (2) in COR-BAN 27L and install them. Refer to (Figure 401); DET. B.

NOTE: For torque, refer to ([AMM MPP 20-10-01/200](#)).

J. Pylon Trailing-edge Fairing - Installation (Figure 403) (Figure 404)

SUBTASK 420-003-A

- (1) Install the gasket. Refer to (Figure 404):

- (a) With a Scotch Brite sponge, sand the surface of the electric contacts where the gasket will be bonded.

WARNING: BE CAREFUL WHEN YOU USE SOLVENTS BECAUSE THEY ARE A HEALTH AND FIRE HAZARD. USE SAFETY GOGGLES AND PROTECTIVE CLOTHING WHEN YOU HANDLE THEM. DO NOT BREATHE THEIR GASES AND WORK IN A WELL VENTILATED AREA.

(b) With a cloth soaked in MEK, clean the area of the electric contacts where the gasket will be bonded.

(c) Remove the release film from the gasket.

NOTE: Do not warp or twist the gasket.

(d) Install the gasket on the electric contacts.

(2) Install the pylon trailing-edge fairing (1). Refer to (Figure 403); DET. B.

WARNING: COR-BAN 27L IS TOXIC TO SKIN, EYES, AND RESPIRATORY INHALATION. USE PVC GLOVES AND EYE PROTECTION GOGGLES. USE ONLY IN WELL VENTILATED AREAS. OBEY THE MANUFACTURER'S HEALTH AND SAFETY INSTRUCTIONS.

(3) Soak the screws (2) in COR-BAN 27L and install them. Refer to (Figure 403); DET. B.

NOTE: For torque, refer to ([AMM MPP 20-10-01/200](#)).

K. Pylon Upper Fairing - Installation (Figure 405) (Figure 406)

SUBTASK 420-004-A

(1) Install the gasket. Refer to (Figure 406):

(a) With a Scotch Brite sponge, sand the surface of the electric contacts where the gasket will be bonded.

WARNING: BE CAREFUL WHEN YOU USE SOLVENTS BECAUSE THEY ARE A HEALTH AND FIRE HAZARD. USE SAFETY GOGGLES AND PROTECTIVE CLOTHING WHEN YOU HANDLE THEM. DO NOT BREATHE THEIR GASES AND WORK IN A WELL VENTILATED AREA.

(b) With a cloth soaked in MEK, clean the area of the electric contacts where the gasket will be bonded.

(c) Remove the release film from the gasket.

NOTE: Do not warp or twist the gasket.

(d) Install the gasket on the electric contacts.

(2) Install the pylon upper fairing (1). Refer to (Figure 405); DET. B.

WARNING: COR-BAN 27L IS TOXIC TO SKIN, EYES, AND RESPIRATORY INHALATION. USE PVC GLOVES AND EYE PROTECTION GOGGLES. USE ONLY IN WELL VENTILATED AREAS. OBEY THE MANUFACTURER'S HEALTH AND SAFETY INSTRUCTIONS.

(3) Soak the screws (2) in COR-BAN 27L and install them. Refer to (Figure 405); DET. B.

NOTE: For torque, refer to ([AMM MPP 20-10-01/200](#)).

L. Pylon Lower Fairing - Installation (Figure 407) (Figure 408)

SUBTASK 420-005-A

(1) Install the gasket. Refer to (Figure 408):

- (a) With a Scotch Brite sponge, sand the surface of the electric contacts where the gasket will be bonded.

WARNING: BE CAREFUL WHEN YOU USE SOLVENTS BECAUSE THEY ARE A HEALTH AND FIRE HAZARD. USE SAFETY GOGGLES AND PROTECTIVE CLOTHING WHEN YOU HANDLE THEM. DO NOT BREATHE THEIR GASES AND WORK IN A WELL VENTILATED AREA.

- (b) With a cloth soaked in MEK, clean the area of the electric contacts where the gasket will be bonded.

- (c) Remove the release film from the gasket.

NOTE: Do not warp or twist the gasket.

- (d) Install the gasket on the electric contacts.

(2) Install the pylon lower fairing (1). Refer to (Figure 407); DET. B.

WARNING: COR-BAN 27L IS TOXIC TO SKIN, EYES, AND RESPIRATORY INHALATION. USE PVC GLOVES AND EYE PROTECTION GOGGLES. USE ONLY IN WELL VENTILATED AREAS. OBEY THE MANUFACTURER'S HEALTH AND SAFETY INSTRUCTIONS.

(3) Soak the screws (2) in COR-BAN 27L and install them. Refer to (Figure 407); DET. B.

NOTE: For torque, refer to ([AMM MPP 20-10-01/200](#)).

M. Follow-on

SUBTASK 842-002-A

(1) On the circuit breaker panel, close the circuit breakers below and remove the DO-NOT-CLOSE tag from them:

- THRUST REVERSER 1/2.
- START 1/2.

(2) Remove the DO-NOT-OPERATE-THE-THRUST-REVERSERS sign from the instrument panel, in the cockpit.

(3) Do the electrical-bonding test procedure as given in [AMM TASK 20-13-21-700-801-A/200](#).