

FLAP LOWER SHROUDS - REMOVAL/INSTALLATION

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to remove and install the inboard and outboard flap lower shrouds.
- 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
57-56-01-000-801-A	INBOARD AND OUTBOARD FLAP LOWER ALL SHROUDS - REMOVAL	
57-56-01-400-801-A	INBOARD AND OUTBOARD FLAP LOWER ALL SHROUDS - INSTALLATION	
57-56-01-000-802-A	INBOARD AND OUTBOARD FLAP LOWER ALL SHROUDS - OPEN	
57-56-01-400-802-A	INBOARD AND OUTBOARD FLAP LOWER ALL SHROUDS - CLOSE	

TASK 57-56-01-000-801-A
EFFECTIVITY: ALL

2. INBOARD AND OUTBOARD FLAP LOWER SHROUDS - REMOVAL

A. General

- (1) This procedure gives the instructions to remove the inboard and outboard flap lower shrouds.

B. Zones and Accesses

Not Applicable

C. Tools and Equipment

Not Applicable

D. Auxiliary Items

Not Applicable

E. Consumable Materials

Not Applicable

F. Expandable Parts

Not Applicable

G. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Wing

H. Preparation

SUBTASK 841-002-A

WARNING: MAKE SURE THAT THERE ARE NO PERSONS AND/OR EQUIPMENT IN THE FLAP TRAVEL AREA. IF YOU DO NOT OBEY THIS PRECAUTION, INJURY TO PERSONS AND/OR DAMAGE TO THE EQUIPMENT CAN OCCUR.

- (1) Set the flaps to the 45-degree position.
- (2) On the circuit breaker panel, open the FLAP 1 and FLAP 2 circuit breakers and attach a DO-NOT-CLOSE tag to them.

I. Removal (Figure 401)

SUBTASK 020-002-A

- (1) Remove the screws (3) that attach each support (2) in the flap lower shroud (4).

NOTE: The inboard flap lower shroud has two supports and the outboard flap lower shroud has four supports.

- (2) Remove the spring (1) from the support (2).

- (3) Remove the nuts (9), washers (10), and screws (11) (refer to DET. B) from the support (2).

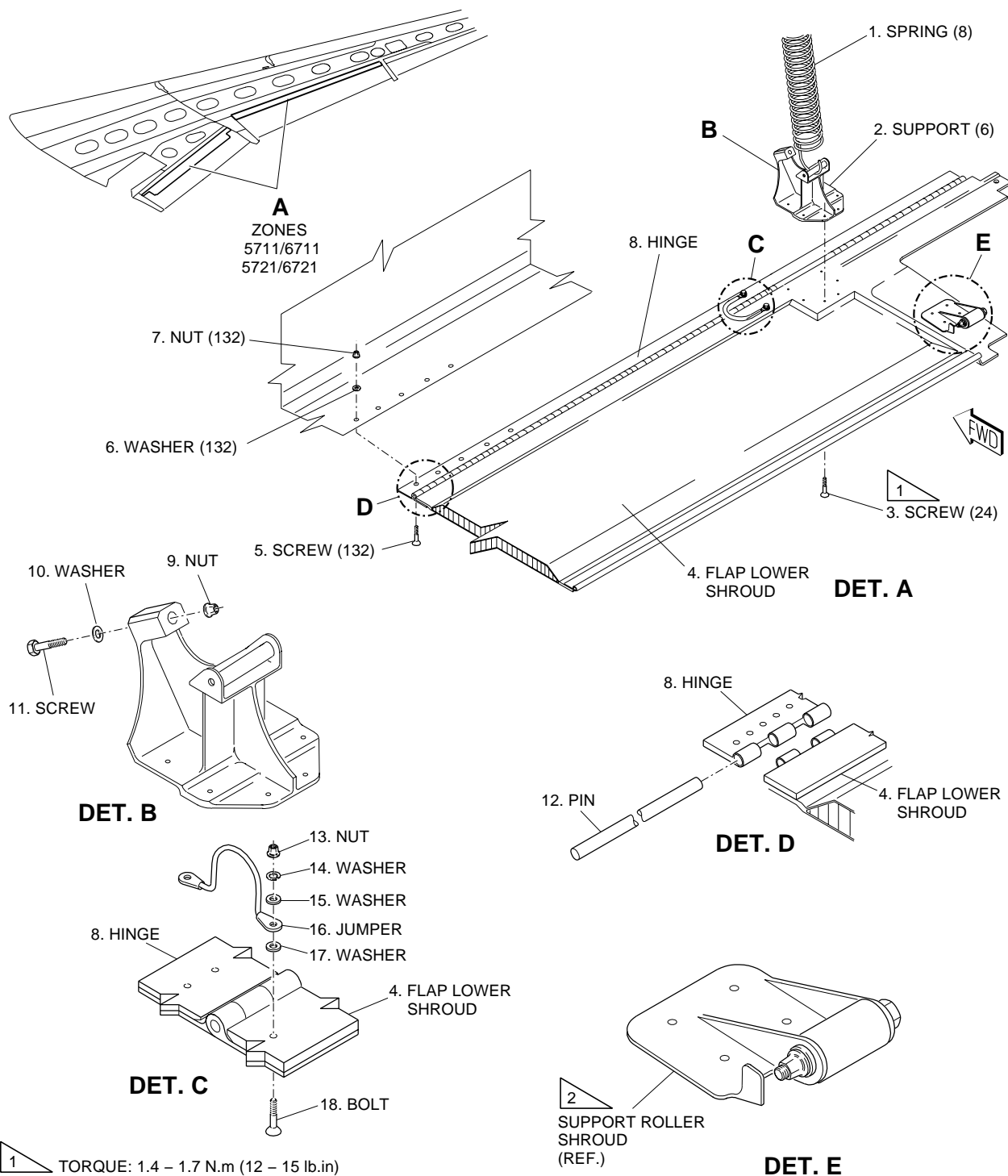
NOTE: See the number of washers (10) removed from each support (2) and mark their positions to install them again in the same position in each support (2).

- (4) Remove the nuts (7), washers (6), and screws (5) from the hinge (8).
- (5) Remove the support (2) and mark its position to install it again in the same position.
- (6) Remove the flap lower shroud (4).
- (7) As necessary, remove the hinge (8) from the flap lower shroud (4), as following:
 - (a) Remove the nut (13), washers (14 and 15), jumper (16), washer (17) and bolt (18) from the hinge (8) and the flap lower shroud (4).
 - (b) Remove the pin (12) from the hinge (8).
 - (c) Remove the hinge (8) from the flap lower shroud (4).

EFFECTIVITY: ALL

Inboard and Outboard Flap Lower Shrouds - Removal/Installation

Figure 401



1 TORQUE: 1.4 – 1.7 N.m (12 – 15 lb.in)

2 BEFORE DO YOU INSTALL THE SHROUD ON THE AIRCRAFT MAKE SURE THAT THE ROLLERS AND SUPPORTS ARE PROPERLY INSTALLED ON THE SHROUD .

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TASK 57-56-01-400-801-A
EFFECTIVITY: ALL

3. INBOARD AND OUTBOARD FLAP LOWER SHROUDS - INSTALLATION

A. General

(1) This procedure gives the instructions to install the inboard and outboard flap lower shrouds.

B. References

REFERENCE	DESIGNATION
AMM MPP 20-10-01/200	- MAINTENANCE PRACTICES
SRM 51-20-01	-

C. Zones and Accesses

Not Applicable

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

Not Applicable

F. Consumable Materials

SPECIFICATION (BRAND)	DESCRIPTION	QTY
MEP 09-083	Sealant, PR 2050 B-1/2	AR
MEP 09-075	Corrosion-Inhibiting Compound (COR-BAN 27L)	AR

G. Expandable Parts

Not Applicable

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Wing

I. Installation (Figure 401)

SUBTASK 420-002-A

- (1) If applicable, install the hinge (8) to the flap lower shroud (4), as following:
 - (a) Install the nut (13), washers (14 and 15), jumper (16), washer (17) and bolt (18) to the hinge (8) and to the flap lower shroud (4).
 - (b) Install the pin (12) to the hinge (8).
 - (c) Install the hinge (8) to the flap lower shroud (4).
- (2) Install the flap lower shroud (4).

NOTE: Before do you install the shroud on the aircraft, make sure that the rollers and their supports are properly installed on the shroud.

- (3) Install the supports (2) in the same position as they were removed from.

WARNING: COR-BAN 27L CORROSION-INHIBITING COMPOUNDS ARE 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.

CAUTION: DO NOT USE THE NUTS AGAIN THAT CAN BE FINGER-TIGHTENED OR THAT SHOW SIGNS OF DAMAGE TO THE SELF-LOCKING ELEMENT.

- (4) Apply COR-BAN 27L to the screws (5) and install them together with the washers (6), and nuts (7) in the hinge (8).

- (5) Install the screws (11), washers (10), and nuts (9) in the support (2).

NOTE: Install the same number of washers (10) in the each support (2) and in the same position that they were removed.

- (6) Lift the supports (2) and install the springs (1).

- (7) Lift the flap lower shroud (4) and install the screws (3) that attach each support (2). Torque tighten from 1.4 to 1.7 N.m (12 to 15 lbf.in) ([AMM MPP 20-10-01/200](#)).

J. Follow-on

SUBTASK 842-002-A

- (1) Apply aerodynamic sealant PR 2050 B-1/2 (SRM 51-20-01) along the gaps between the hinge (8) of the outboard and inboard flap lower shrouds and the wing.
- (2) On the circuit breaker panel, close the FLAP 1 and FLAP 2 circuit breakers and remove the DO-NOT-CLOSE tag from them.
- (3) Set the flaps to the 0-degree position.

TASK 57-56-01-000-802-A

EFFECTIVITY: ALL

4. INBOARD AND OUTBOARD FLAP LOWER SHROUDS - OPEN

A. General

(1) This procedure gives the instructions to open the inboard and outboard flap lower shrouds.

B. Zones and Accesses

Not Applicable

C. Tools and Equipment

Not Applicable

D. Auxiliary Items

Not Applicable

E. Consumable Materials

Not Applicable

F. Expandable Parts

Not Applicable

G. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Wing

H. Preparation

SUBTASK 841-003-A

WARNING: MAKE SURE THAT THERE ARE NO PERSONS AND/OR EQUIPMENT IN THE FLAP TRAVEL AREA. IF YOU DO NOT OBEY THIS PRECAUTION, INJURY TO PERSONS AND/OR DAMAGE TO THE EQUIPMENT CAN OCCUR.

(1) Set the flaps to the 45-degree position.

(2) On the circuit breaker panel, open the FLAP 1 and FLAP 2 circuit breakers and attach a DO-NOT-CLOSE tag to them.

I. Removal ([Figure 402](#))

SUBTASK 020-003-A

(1) Remove the screws (3) that attach each support (2) in the flap lower shroud (4).

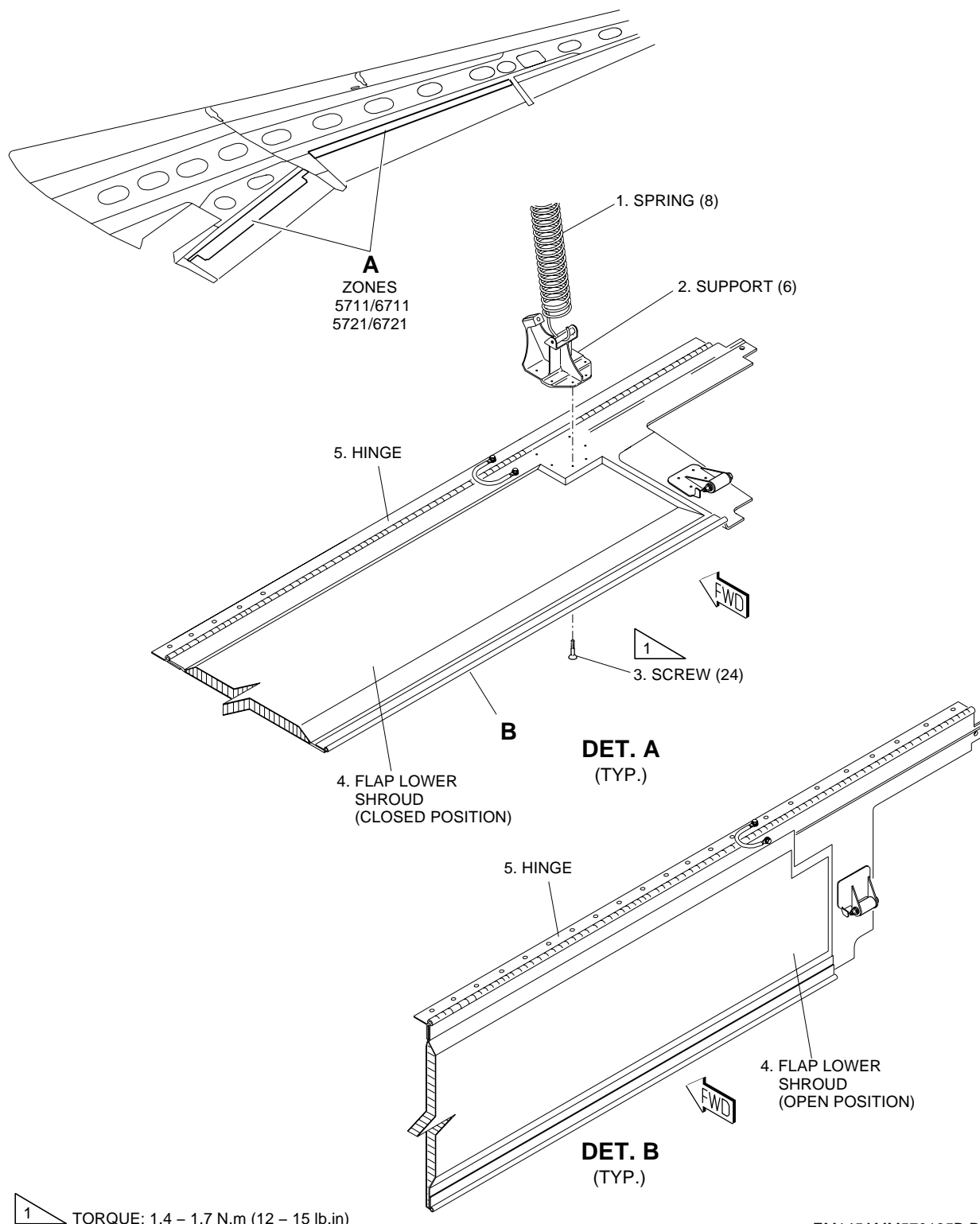
NOTE: The inboard flap lower shroud has two supports and the outboard flap lower shroud has four supports.

(2) After you remove the screws (3) that attach each support (2), the Flaps Lower Shrouds will stay in down position. Refer to ([Figure 402](#)).

EFFECTIVITY: ALL

Inboard and Outboard Flap Lower Shrouds - Open/Close

Figure 402



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TASK 57-56-01-400-802-A
EFFECTIVITY: ALL

5. INBOARD AND OUTBOARD FLAP LOWER SHROUDS - CLOSE

A. General

(1) This procedure gives the instructions to close the inboard and outboard flap lower shrouds.

B. References

REFERENCE	DESIGNATION
AMM MPP 20-10-01/200	- MAINTENANCE PRACTICES
SRM 51-20-01	-

C. Zones and Accesses

Not Applicable

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

Not Applicable

F. Consumable Materials

SPECIFICATION (BRAND)	DESCRIPTION	QTY
MEP 09-083	Sealant, PR 2050 B-1/2	AR

G. Expandable Parts

Not Applicable

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Wing

I. Installation (Figure 402)

SUBTASK 420-003-A

- (1) Lift the flap lower shroud (4) and install the screws (3) that attach each support (2). Apply torque from 1.4 to 1.7 N.m (12 to 15 lbf.in) ([AMM MPP 20-10-01/200](#)).

J. Follow-on

SUBTASK 842-003-A

- (1) Apply aerodynamic sealant PR 2050 B-1/2 (SRM 51-20-01) along the gaps between the hinge (8) of the outboard and inboard flap lower shrouds and the wing.
- (2) On the circuit breaker panel, close the FLAP 1 and FLAP 2 circuit breakers and remove the DO-NOT-CLOSE tag from them.



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- (3) Set the flaps to the 0-degree position.