



AIRCRAFT MAINTENANCE MANUAL

GUST LOCK - REMOVAL/INSTALLATION

EFFECTIVITY: AIRCRAFT WITH MECHANICAL GUST LOCK (PRE-MOD S.B. 145-27-0086)

1. General

- A. This section gives the procedures to remove and install the Gust Lock.
- 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
27-70-00-000-801-A	GUST LOCK - REMOVAL	AIRCRAFT WITH MECHANICAL GUST LOCK (PRE-MOD S.B. 145-27-0086)
27-70-00-400-801-A	GUST LOCK - INSTALLATION	AIRCRAFT WITH MECHANICAL GUST LOCK (PRE-MOD S.B. 145-27-0086)



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TASK 27-70-00-000-801-A

EFFECTIVITY: AIRCRAFT WITH MECHANICAL GUST LOCK (PRE-MOD S.B. 145-27-0086)

2. GUST LOCK - REMOVAL

A. General

- (1) This task gives the procedures to remove the rod 1, rod 2, and spring of the Gust Lock.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
AMM SDS 76-10-00/1	
AMM TASK 76-12-01-000-801-A/400	THRUST LEVER RESOLVER - REMOVAL

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
123	123BL	Area below the cockpit floor - LH

D. Tools and Equipment

ITEM	DESCRIPTION	PURPOSE	QTY
GSE 058	Kit, Rig Pins	To lock the Gust Lock	

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	Area below the cockpit floor

I. Preparation

SUBTASK 841-002-A

- (1) Make sure that the aircraft is safe for maintenance.
- (2) Remove cockpit underfloor access hatch 123BL (AMM MPP 06-41-01/100).

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

SUBTASK 020-002-A

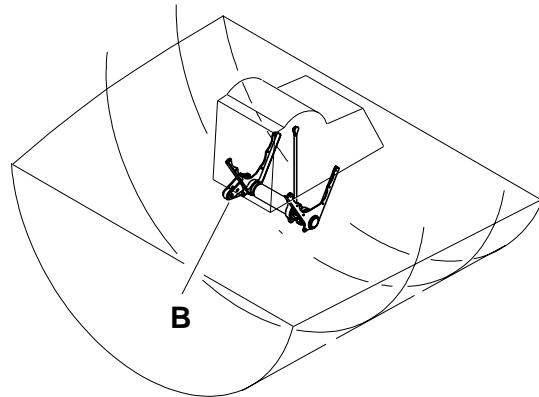
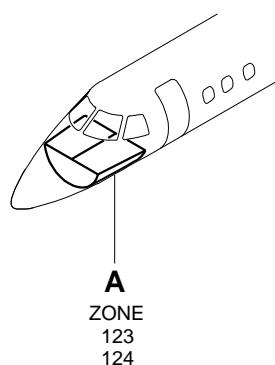
CAUTION: FOR THIS TASK, IT IS NOT NECESSARY TO REMOVE NOR TAMPER WITH THE THRUST LEVER RESOLVER ([AMM SDS 76-10-00/1](#)). IF, FOR OTHER REASON, IT IS NECESSARY TO REMOVE/INSTALL THE THRUST LEVER RESOLVER, REFER TO [AMM TASK 76-12-01-000-801-A/400](#).

- (1) Remove the spring (4) from the gust lock tube (1) and the structure support.
- (2) Install the rig pin (20) on the gust lock tube (1).
- (3) Release the jumper (18) of connecting rod 1 (5) from the gust lock tube (1).
- (4) Remove connecting rod 1 (5) and connecting rod 2 (2) from the gust lock tube (1).
- (5) Remove connecting rod 1 (5) from the gust lock lever (9).
- (6) Remove connecting rod 2 (2) from the elevator torque tube (3) and release the jumper (28).
- (7) Remove the jumper (18) of connecting rod 1 (5) from the gust lock tube, and the jumper (28) from connecting rod 2 (2).
- (8) Discard all cotter pins.

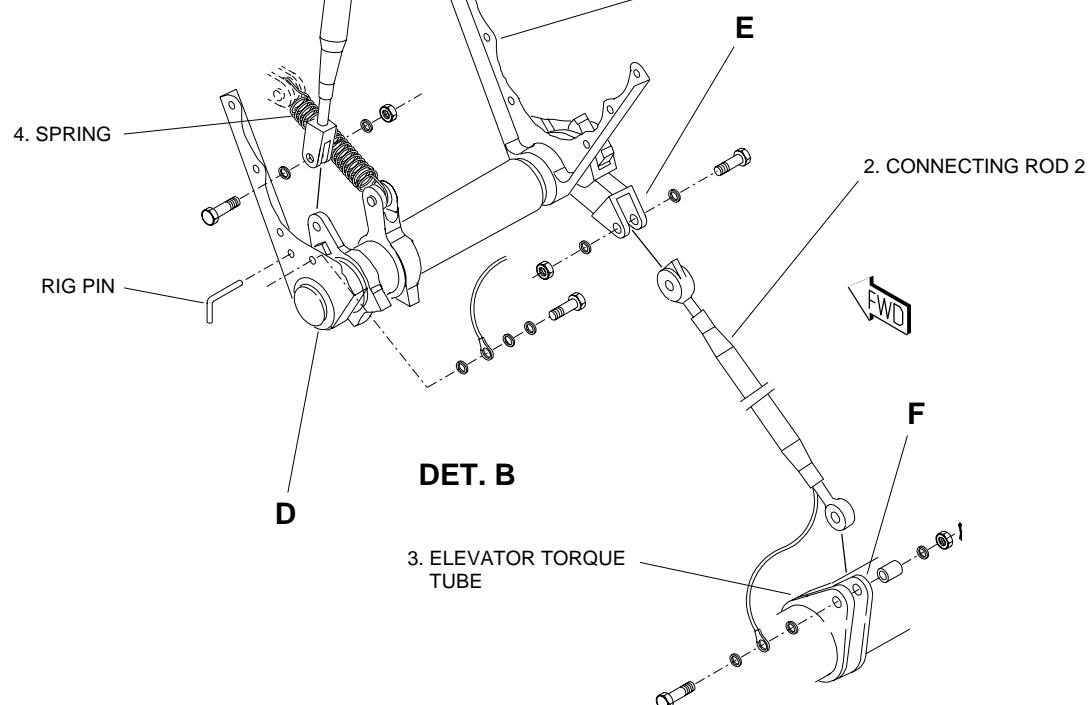
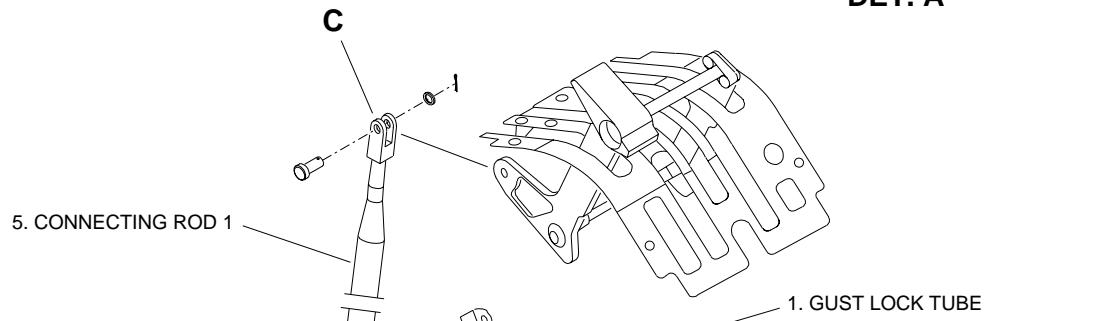
EFFECTIVITY: AIRCRAFT WITH MECHANICAL GUST LOCK (PRE-MOD S.B. 145-27-0086)

Gust Lock - Removal/Installation

Figure 401 - Sheet 1



DET. A

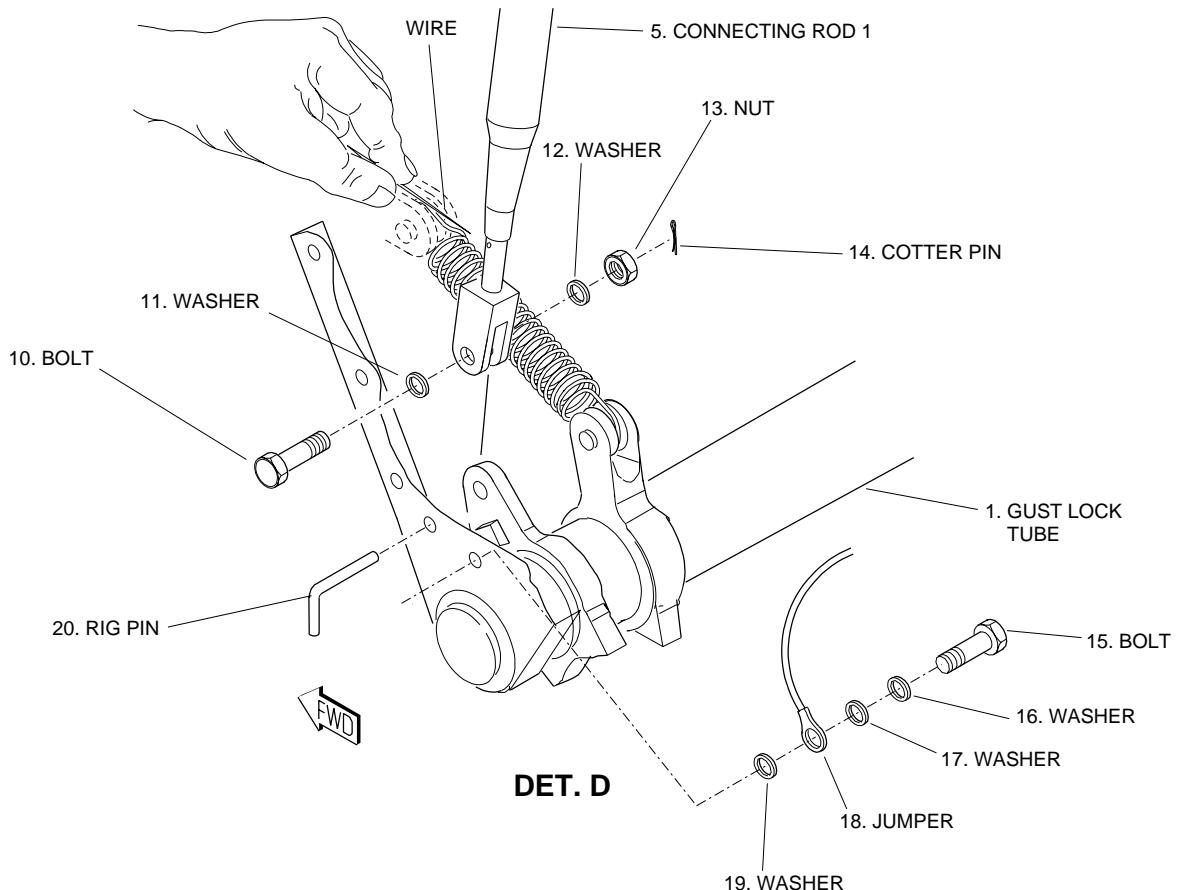
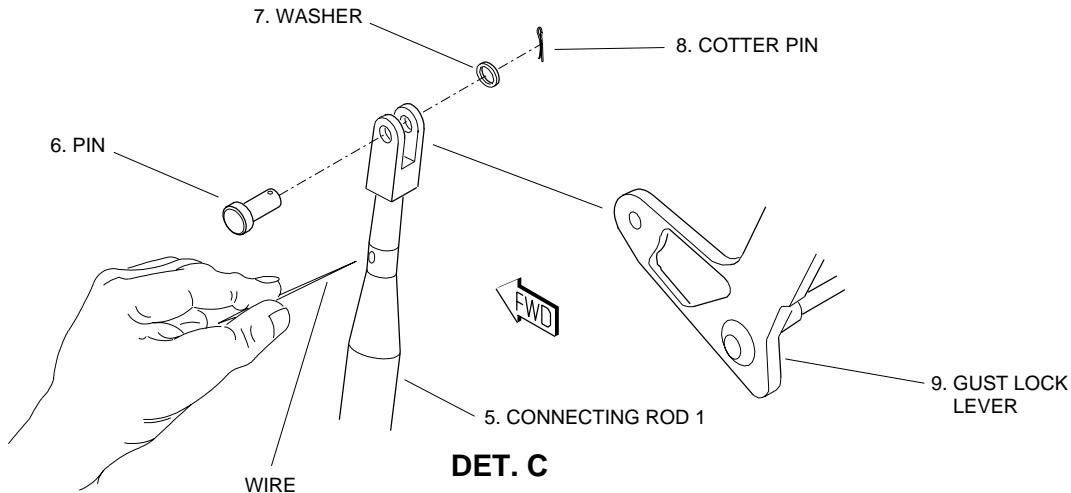


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EFFECTIVITY: AIRCRAFT WITH MECHANICAL GUST LOCK (PRE-MOD S.B. 145-27-0086)

Gust Lock - Removal/Installation

Figure 401 - Sheet 2

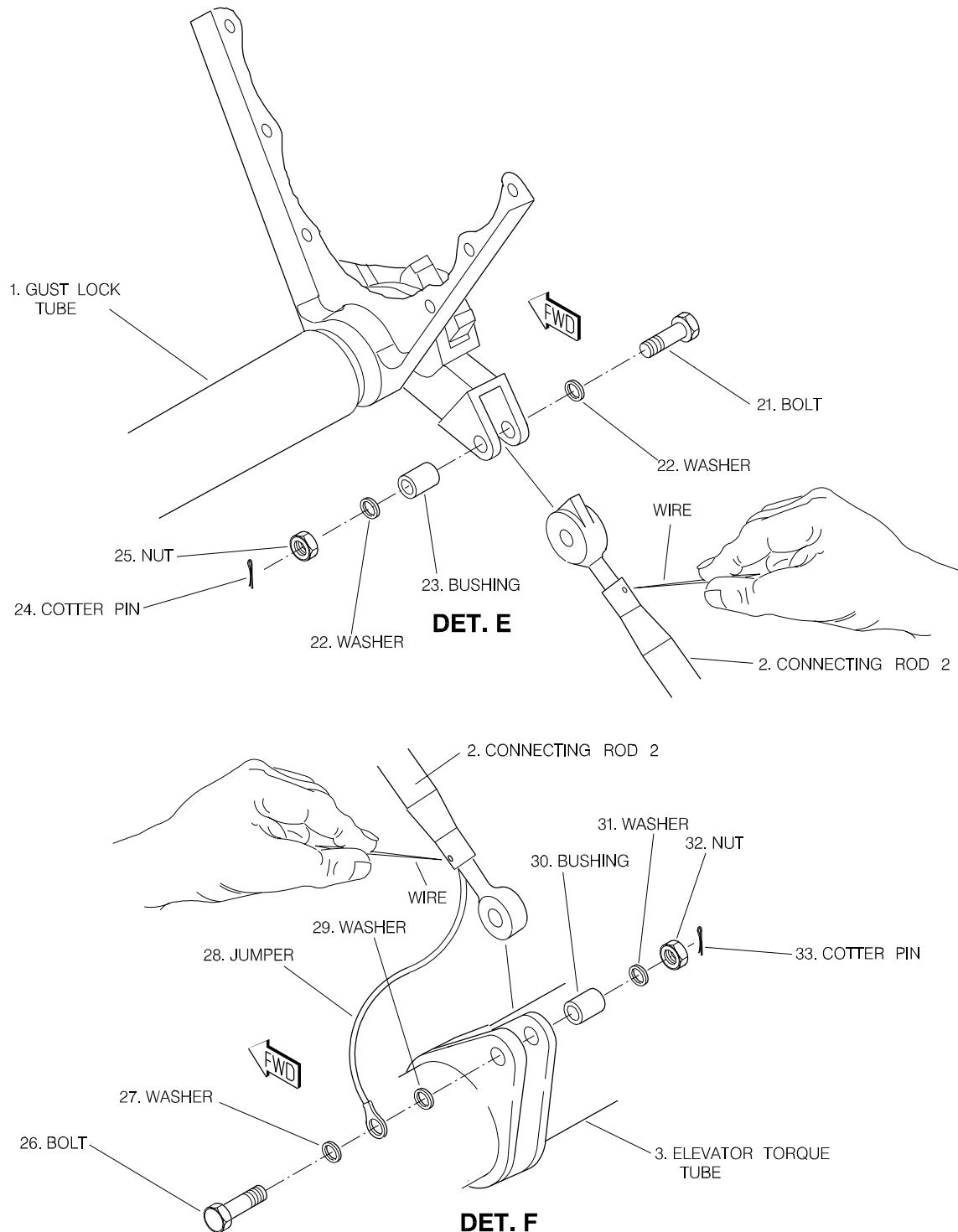


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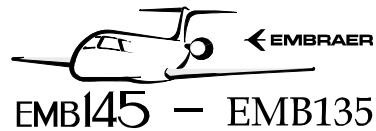
EFFECTIVITY: AIRCRAFT WITH MECHANICAL GUST LOCK (PRE-MOD S.B. 145-27-0086)

Gust Lock - Removal/Installation

Figure 401 - Sheet 3



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TASK 27-70-00-400-801-A

EFFECTIVITY: AIRCRAFT WITH MECHANICAL GUST LOCK (PRE-MOD S.B. 145-27-0086)

3. GUST LOCK - INSTALLATION

A. General

- (1) This task gives the procedures to install the rod 1, rod 2, and spring of the Gust Lock.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
AMM TASK 27-70-00-700-801-A/500	GUST LOCK SYSTEM - ADJUSTMENT

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
123	123BL	Area below the cockpit floor - LH

D. Tools and Equipment

ITEM	DESCRIPTION	PURPOSE	QTY
GSE 058	Kit, Rig Pins	To lock the Gust Lock	

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	Area below the cockpit floor

I. Installation (Figure 401)

SUBTASK 420-002-A

- NOTE:
- Do not torque the nuts now, because this will be done after the adjustments of the gust lock system ([AMM TASK 27-70-00-700-801-A/500](#)).
 - Install the cotter pins and safety the end rods after the adjustments of the gust lock system ([AMM TASK 27-70-00-700-801-A/500](#)).
 - When you install connecting rods 1/2, make sure that the rod ends are in the correct position. Put a piece of wire into the rod inspection hole. The wire must not go through the shaft.



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- (1) Install connecting rod 1 (5) to the gust lock lever (9). Use the pin (6) and washer (7). Install the cotter pin (8).
- (2) Install connecting rod 1 (5) to the gust lock tube (1). Use the bolt (10), washers (11/12), and nut (13).
- (3) Install connecting rod 2 (2) and the jumper (28) to the elevator torque tube (3). Use the bolt (26), washers, bushing (30), and nut (32).
- (4) Install connecting rod 2 (2) to the gust lock tube (1). Use the bolt (21), washers (22), bushing (23), and nut (25).
- (5) Install the jumper (18) of connecting rod 2 (2) to the gust lock tube (1). Use the bolt (15) and washers (16/17/19).
- (6) Install the spring (4) between the support of the aircraft structure and the gust lock tube (1).
- (7) Adjust the gust lock system ([AMM TASK 27-70-00-700-801-A/500](#)).

J. Follow-on

SUBTASK 842-002-A

- (1) Install cockpit underfloor access hatch 123BL (AMM MPP 06-41-01/100).