

## 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)

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	-
<a href="#">AMM SDS 76-10-00/1</a>	
<a href="#">AMM TASK 76-12-01-000-801-A/400</a>	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
<a href="#">GSE 058</a>	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*

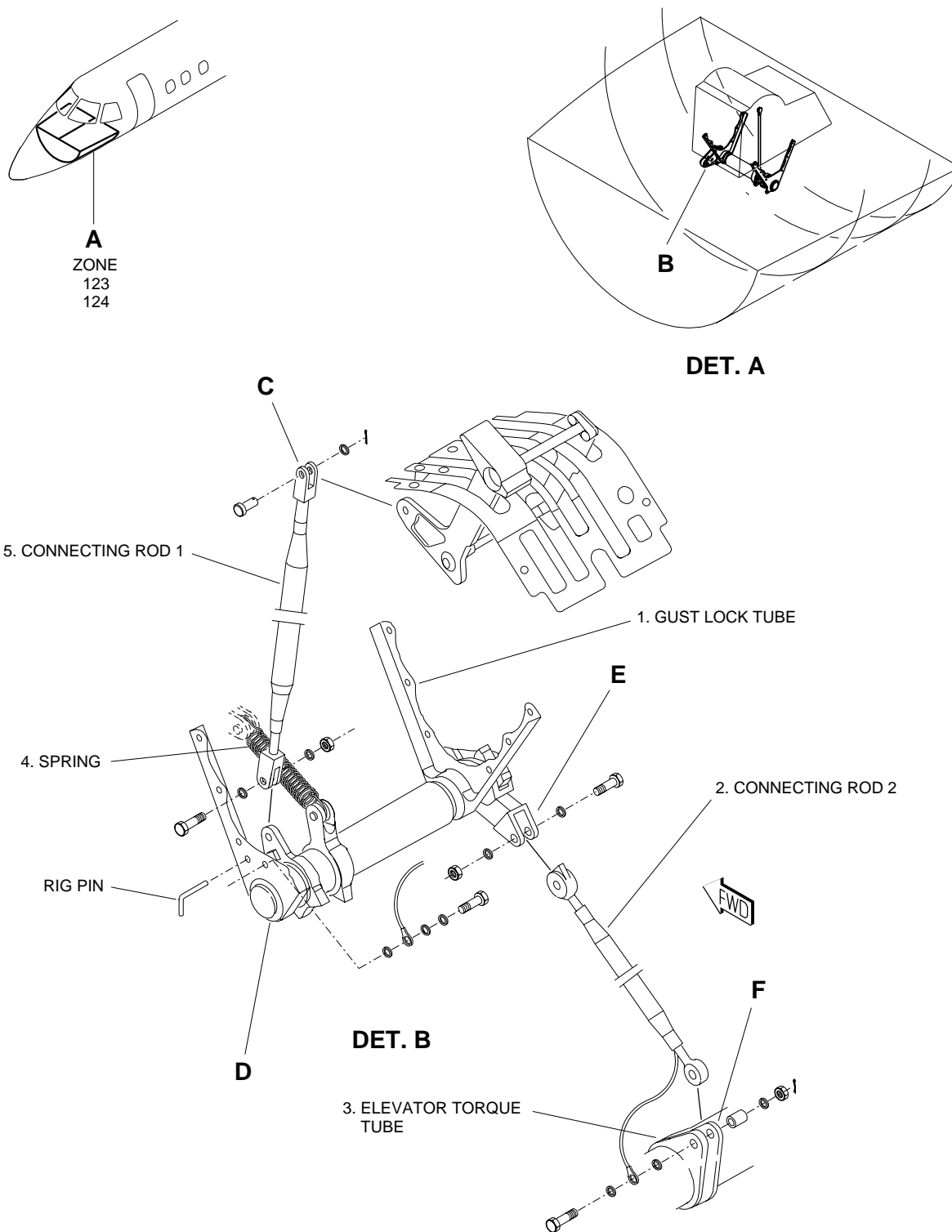
CAUTION: FOR THIS TASK, IT IS NOT NECESSARY TO REMOVE NOR TAMPER WITH THE THRUST LEVER RESOLVER ([AMM SDS 76-10-00/1](#)). IF, FOR OTHER REASON, IT IS NECESSARY TO REMOVE/INSTALL THE THRUST LEVER RESOLVER, REFER TO [AMM TASK 76-12-01-000-801-A/400](#).

- (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

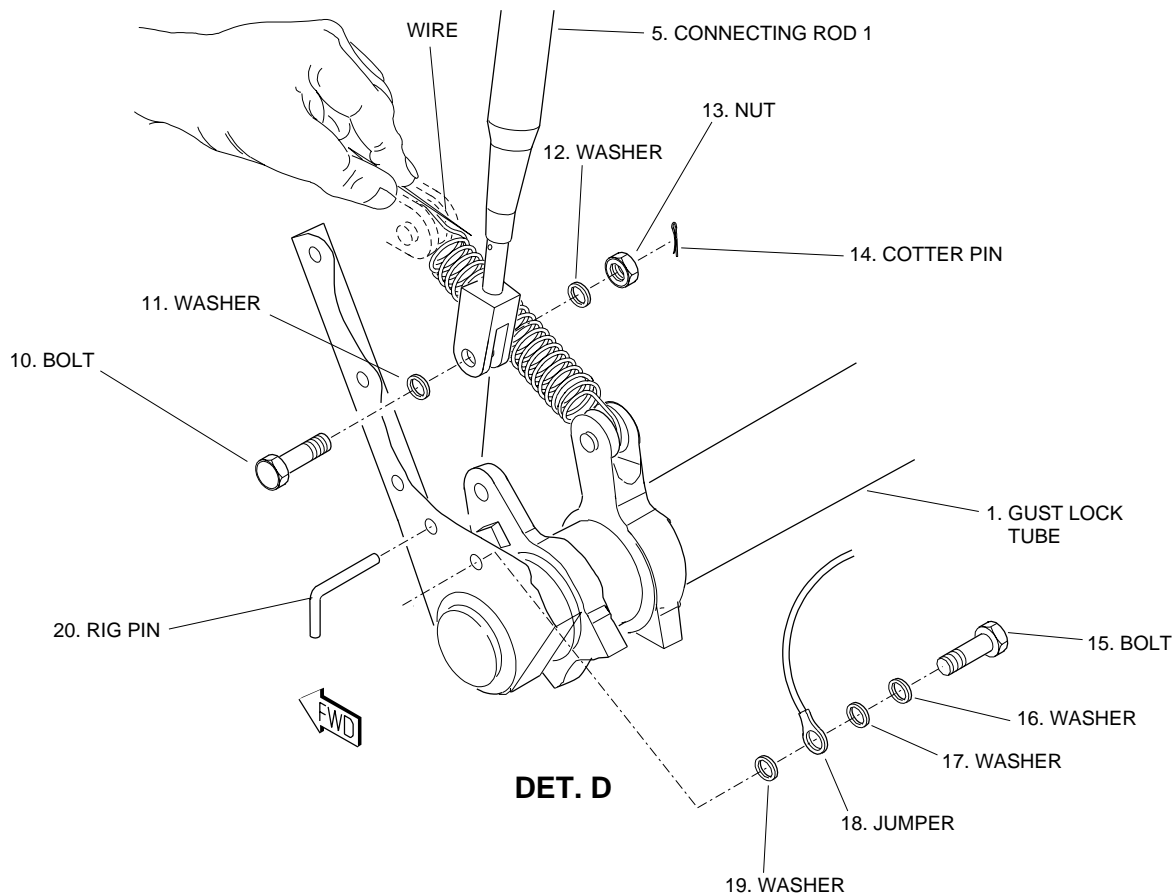
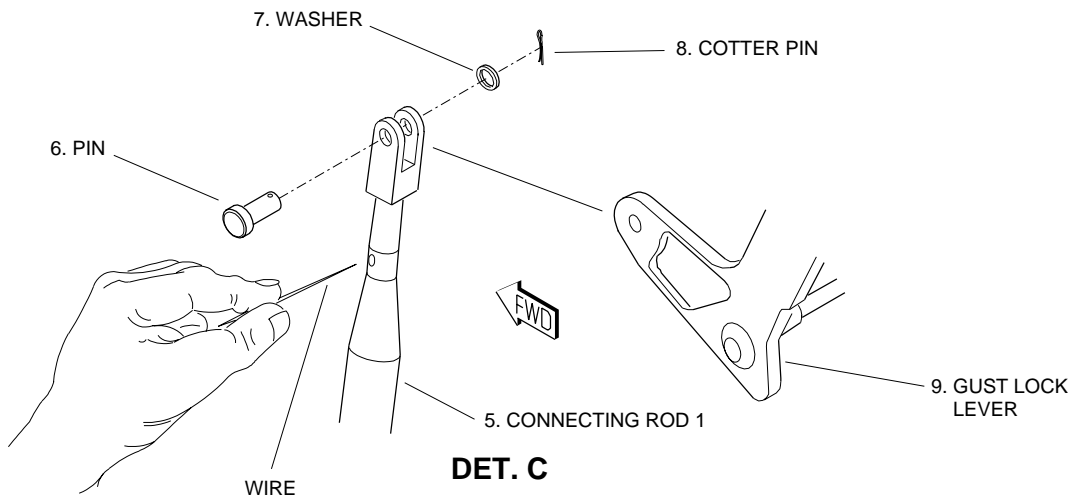


145AMM270098.MCE B

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

Gust Lock - Removal/Installation

Figure 401 - Sheet 2

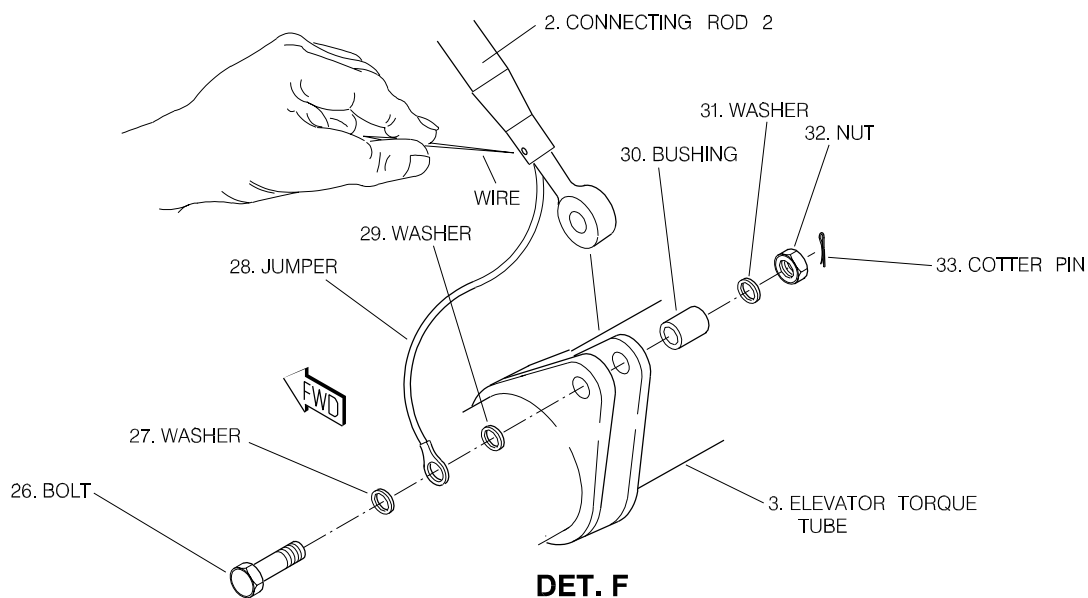
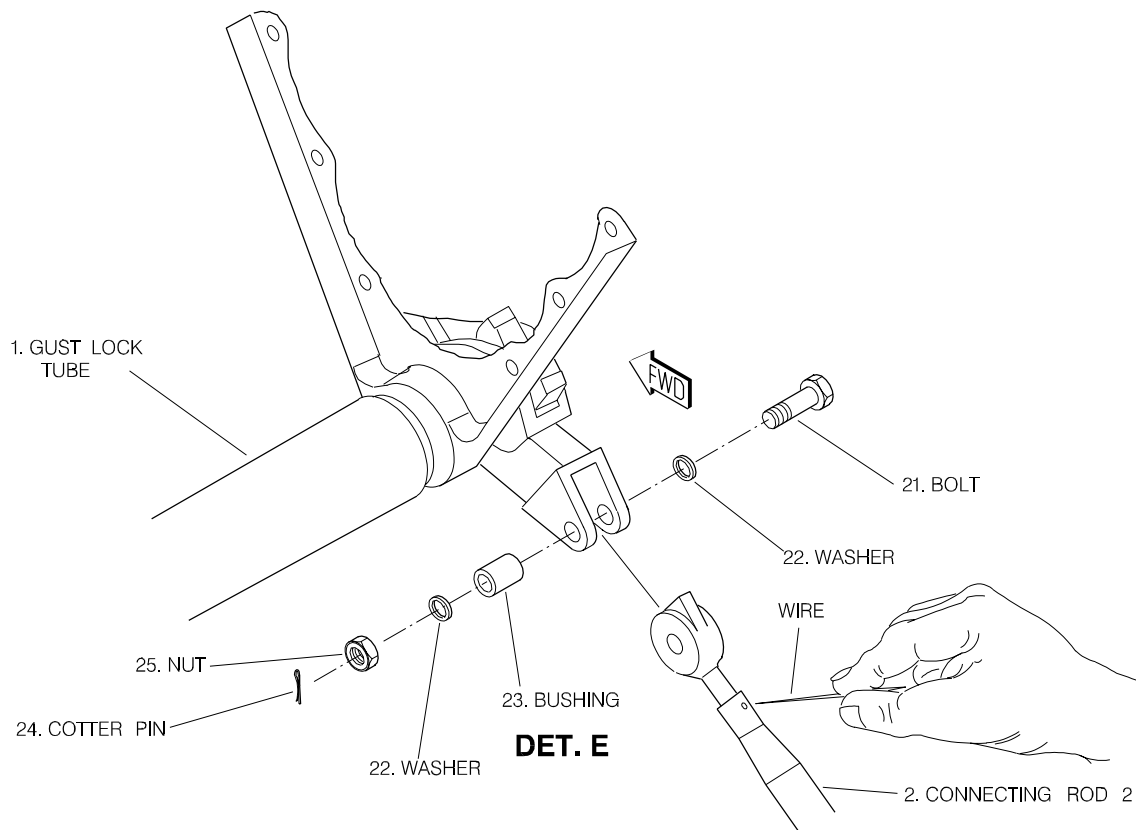


145AMM270099.MCE A

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

Gust Lock - Removal/Installation

Figure 401 - Sheet 3



145MM27100.MCE

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	-
<a href="#">AMM TASK 27-70-00-700-801-A/500</a>	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
<a href="#">GSE 058</a>	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.

- (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).