



AIRCRAFT MAINTENANCE MANUAL

AILERON DISCONNECT SYSTEM - SERVICING

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to lubricate the aileron disconnect system, installed at the front quadrant.
- 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
27-15-02-600-801-A ♦	AILERON DISCONNECT SYSTEM - LUBRICATION	ALL



EMB145 – EMB135

AIRCRAFT
MAINTENANCE MANUAL

TASK 27-15-02-600-801-A

EFFECTIVITY: ALL

2. AILERON DISCONNECT SYSTEM - LUBRICATION

A. General

- (1) This task gives the procedures to lubricate the aileron plate mechanism and disconnect link bellcrank, installed at the front quadrant.

B. References

REFERENCE	DESIGNATION
AMM TASK 27-15-00-000-801-A/400	AILERON DISCONNECT DEVICE - REMOVAL
AMM TASK 27-15-00-400-801-A/400	AILERON DISCONNECT DEVICE - INSTALLATION
CMM 0756	-
IPC 27-15-00	AILERON DISCONNECT

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
123	123BL	Below the cockpit floor
221	221EF	Cockpit LH upper side
221	221GF	Cockpit LH upper side

D. Tools and Equipment

ITEM	DESCRIPTION	PURPOSE	QTY
GSE 058	Kit, Rig Pins	To lock the aileron system in the neutral position	
Stiff-Bristle Brush	Brush	To do the cleaning procedure	

E. Auxiliary Items

Not Applicable

F. Consumable Materials

SPECIFICATION (BRAND)	DESCRIPTION	QTY
MIL-G-46886	Grease, Molykote DC-33 Light	AR
MIL-PRF-680	Cleaning Compound Solvent	AR
TT-I-735	Isopropyl Alcohol	AR

G. Expendable Parts

ITEM	IPC REFERENCE (VENDOR REFERENCE)	QTY
Cotter pin	IPC 27-15-00	1



AIRCRAFT MAINTENANCE MANUAL

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Forward torque tube

I. Preparation

SUBTASK 841-002-A

- (1) Remove the aileron disconnect system ([AMM TASK 27-15-00-000-801-A/400](#)).

J. Lubricate Aileron Disconnect System ([Figure 301](#))

SUBTASK 640-002-A

- (1) Lubricate the retainer guide, springs, housing of balls in the spring assembly and inside channel in the movable disc of the disconnectable link. Refer to CMM 0756 (Assembly Section).

NOTE: If the disconnectable link is disconnected, make sure that the disks do not turn of more than 60° in relation to each other.

- (2) Clean the disconnect link bellcrank with solvent MIL-PRF-680 or alcohol TT-I-735 and use a stiff-bristle brush.

NOTE: The area must have no signs of dirt, grease, oil, or other contaminations. Do the cleaning procedure again, if necessary.

- (3) Lubricate the disconnect link bellcrank with Molykote DC-33 Light (MIL-G-46886). Refer to ([Figure 301](#)).

K. Follow-on

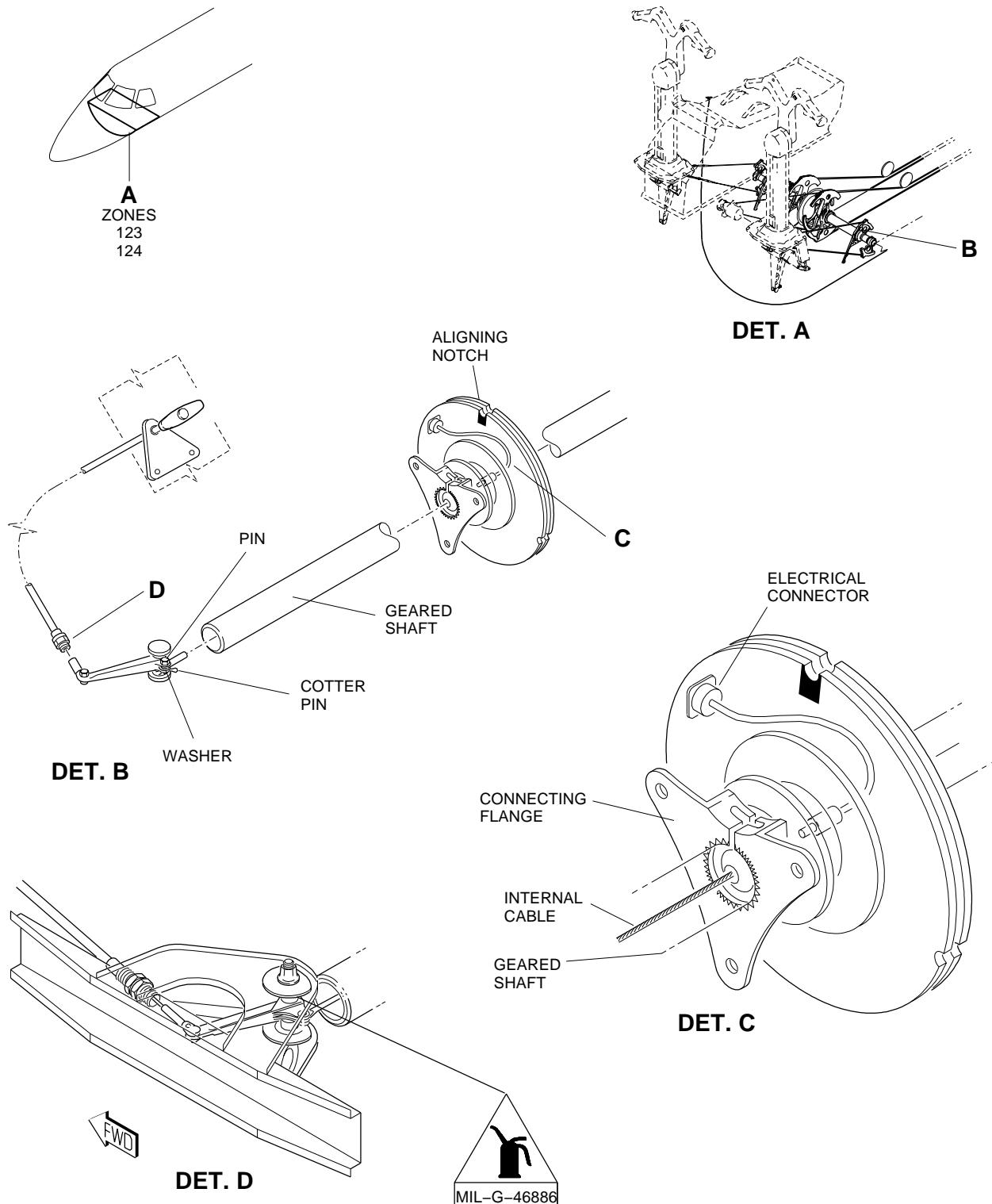
SUBTASK 842-002-A

- (1) Install the aileron disconnect system ([AMM TASK 27-15-00-400-801-A/400](#)).

EFFECTIVITY: ALL

Aileron Disconnect System - Lubrication

Figure 301



EM145AMM270043E.DGN