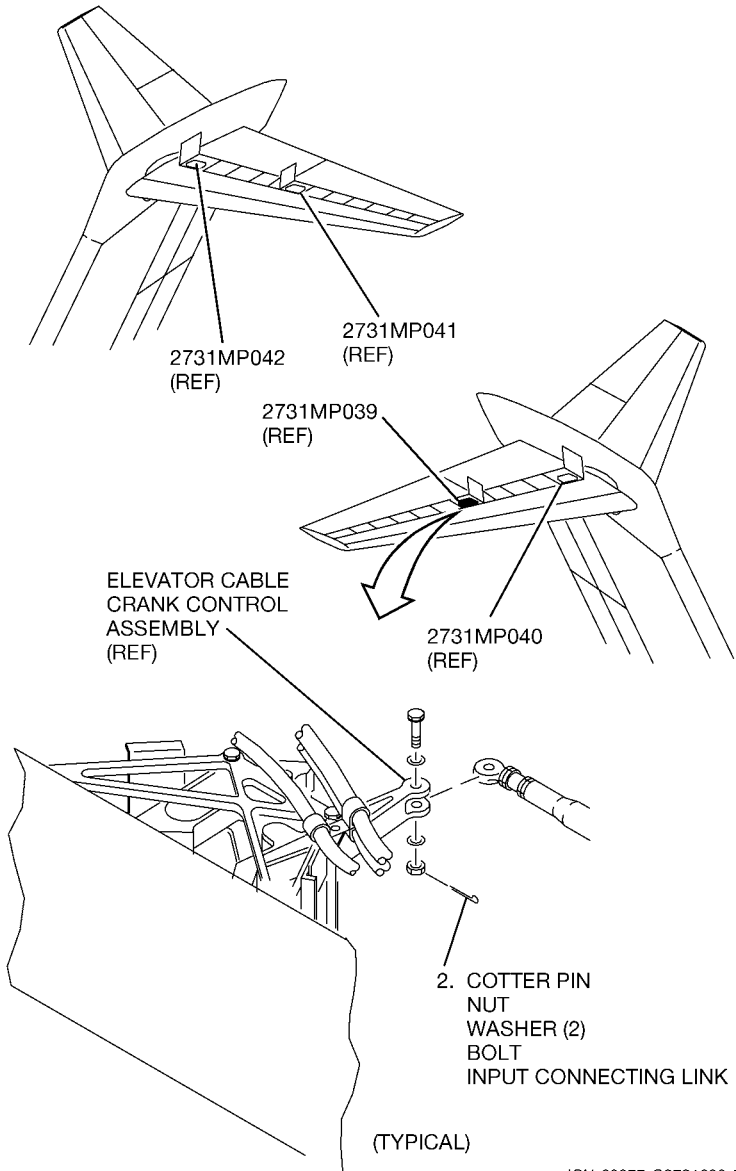


ICN-88277-G2731622-002-01

2. (A,B) Remove cotter pin, nut, washers, and bolt; disconnect input connecting link from elevator cable crank control assembly as follows:

INPUT CONNECTING LINK REF DES	CABLE CRANK CONTROL ASSEMBLY REF DES	LOCATION
2731MP039	2731AA006	RIGHT OUTBOARD
2731MP040	2731AA008	RIGHT INBOARD
2731MP041	2731AA007	LEFT OUTBOARD
2731MP042	2731AA009	LEFT INBOARD

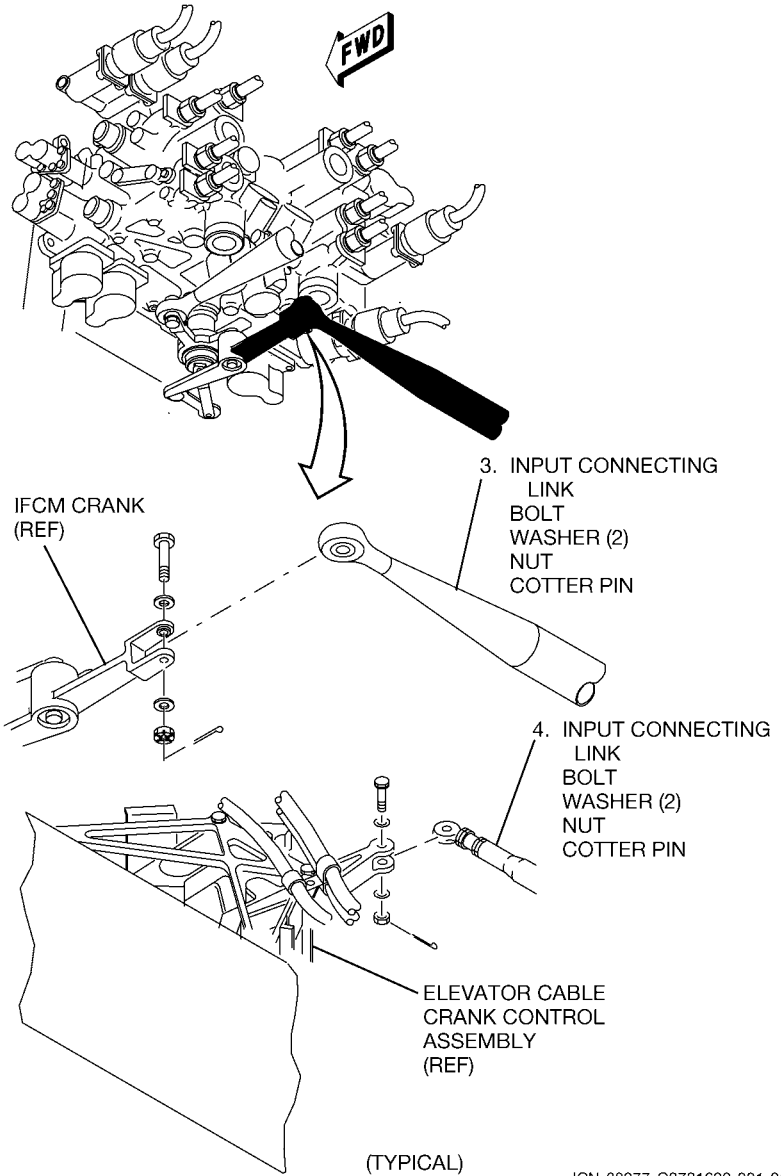


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**WARNING**

Elevator input connecting link shall not be disconnected to make adjustments. Refer to mechanical controls and surfaces system adjustment, (27-31-02, tasks 02-1, 02-7, and 02-8). Adjustments shall be made with input link connected to prevent uncontrolled elevator movement. Adjustments with link connected will still cause some movement of flight control surface. Use extreme caution and keep flight control surfaces clear of personnel and equipment while adjusting linkage. Failure to comply may cause injury to personnel and damage to equipment.

3. (A,B) Position input connecting link on IFCM crank; install bolt, washers, nut, and cotter pin.
4. (A,B) Position input connecting link on elevator cable crank control assembly; install bolt, washers, nut, and cotter pin.



ICN-88277-G2731629-001-01

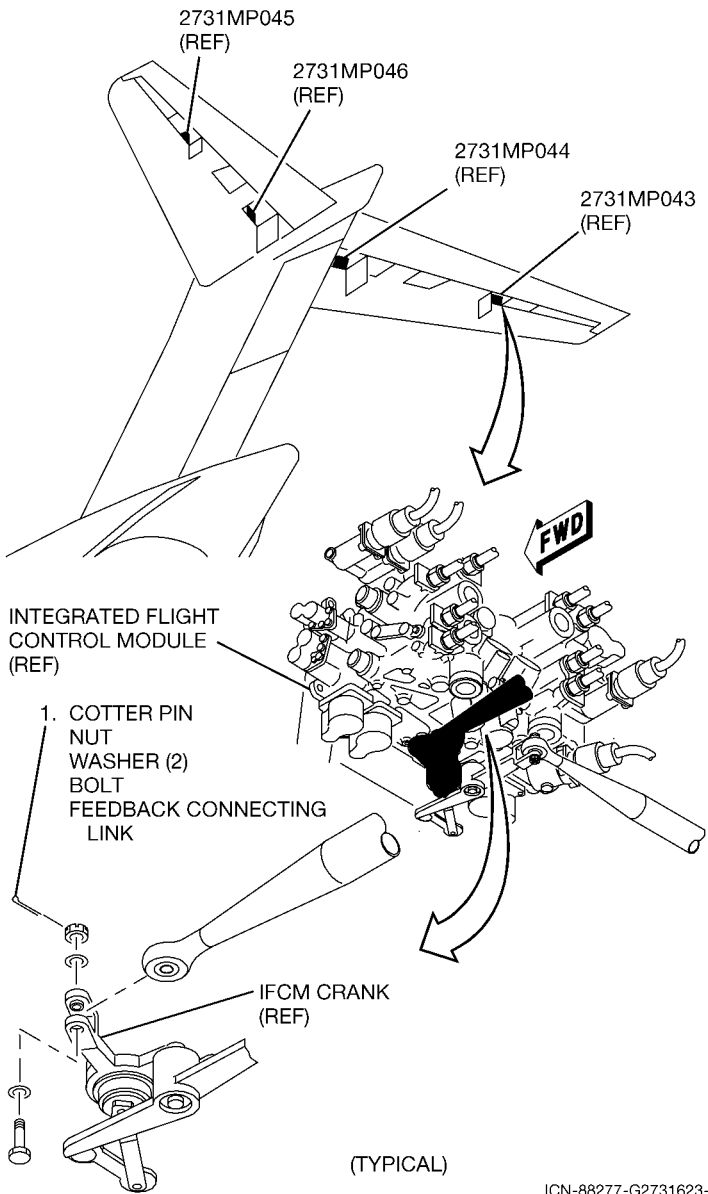
**03-4. REPAIR ELEVATOR MECHANICAL CONTROLS AND SURFACES SYSTEM BY REPLACING FEEDBACK CONNECTING LINKS REF DES 2731MP043 THRU REF DES 2731MP046.**

**NOTE**

When removing feedback connecting link, a visual inspection shall be performed to ensure the feedback connecting link or adjacent elevator structure are not damaged.

1. (A,B) Remove safety wire, cotter pin, nut, washers, and bolt from Integrated Flight Control Module (IFCM) crank; remove feedback connecting link as follows:

CONNECTING LINK REF DES	IFCM REF DES	LOCATION
2731MP043	2733FV001	RIGHT OUTBOARD
2731MP044	2733FV002	RIGHT INBOARD
2731MP045	2733FV004	LEFT OUTBOARD
2731MP046	2733FV003	LEFT INBOARD



ICN-88277-G2731623-002-01

**TO 1300i-2-27JG-30-1**

2. (A,B) Remove cotter pin, nut, washers, bolt, and bushing from elevator hinge; remove feedback connecting link and as follows:

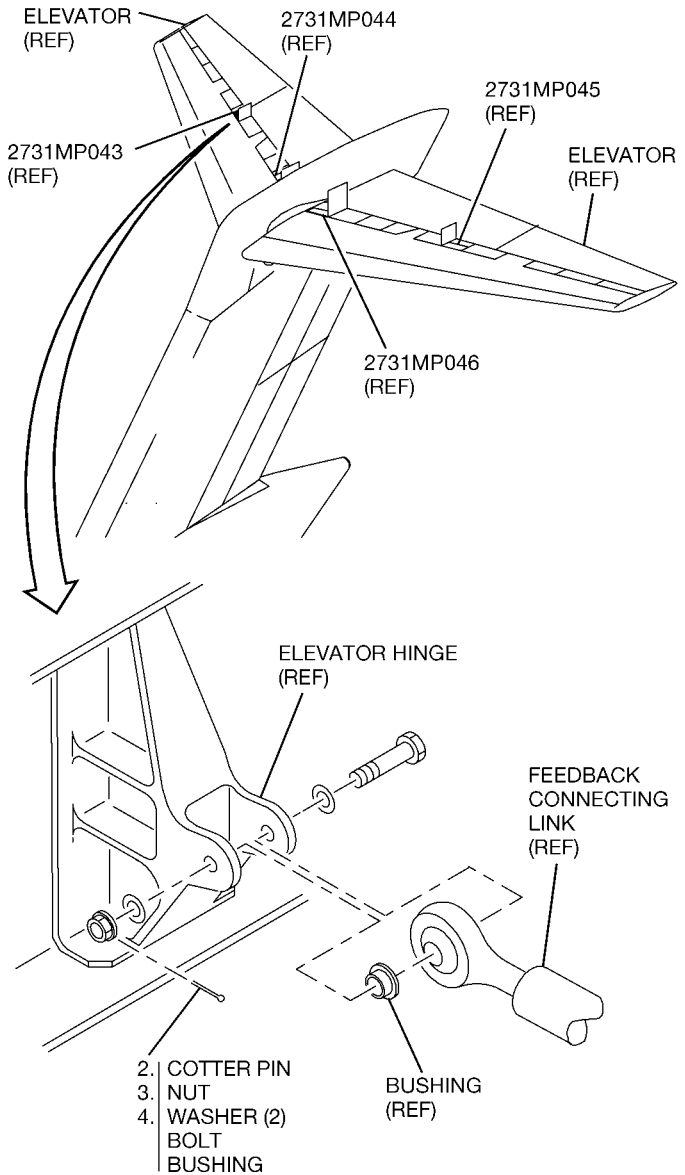
CONNECTING LINK REF DES	ELEVATOR REF DES	LOCATION
2731MP043	2731AA015	RIGHT OUTBOARD
2731MP044	2731AA014	RIGHT INBOARD
2731MP045	2731AA012	LEFT OUTBOARD
2731MP046	2731AA013	LEFT INBOARD

**NOTE**

When inside diameter of bushing is not within the wear limits provided, bushing shall be replaced.

3. (B) Measure inside diameter of bushing.
- Diameter is 0.2495 to 0.2505 inch. (TO 1300i-3-1).
4. (A,B) Install bushing on hinge, and position feedback connecting link on elevator hinge; install bolt, washers, nut, and cotter pin.





ICN-88277-G2731631-001-01

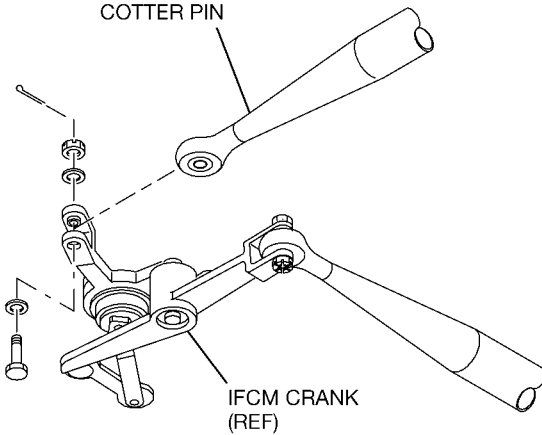
## **TO 1300i-2-27JG-30-1**

5. (A,B) Position feedback connecting link on IFCM crank; install bolt, washers, nut, and cotter pin; secure with safety wire.

INTEGRATED FLIGHT  
CONTROL MODULE  
(REF)



5. FEEDBACK  
CONNECTING LINK  
BOLT  
WASHER (2)  
NUT  
COTTER PIN

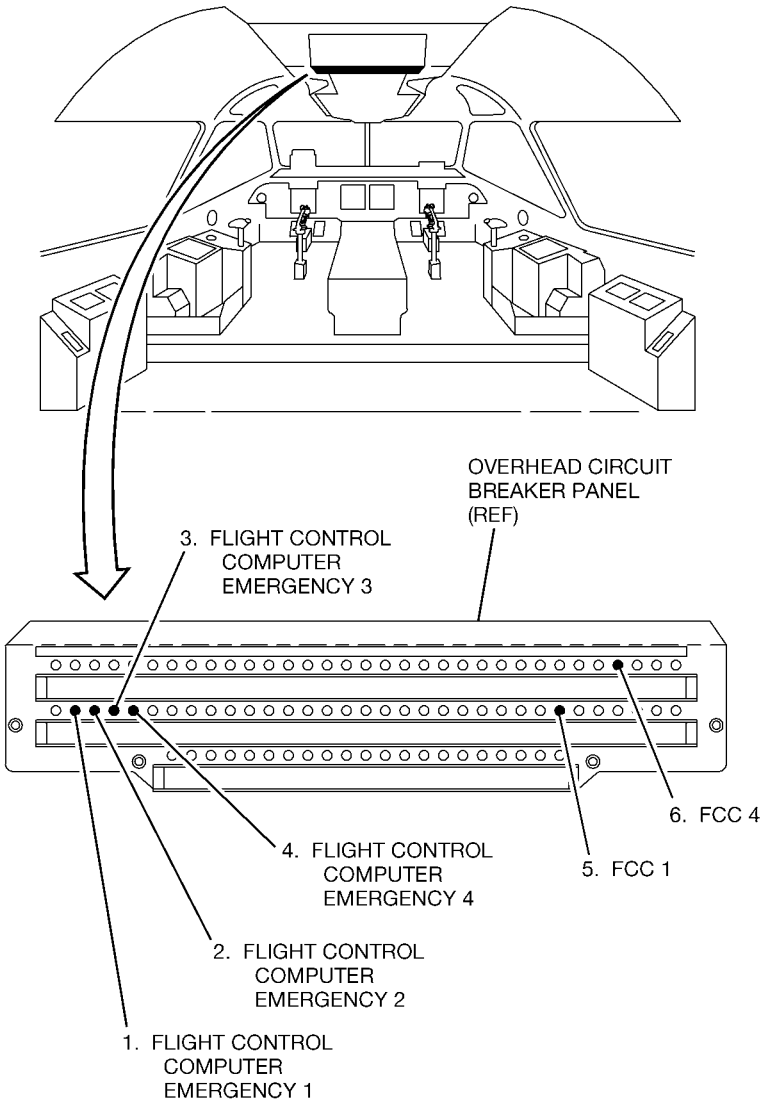


(TYPICAL)

ICN-88277-G2731632-002-01

**03-5. FOLLOW-ON MAINTENANCE FOR INPUT  
CONNECTING LINKS REF DES 2731MP039  
THRU REF DES 2731MP042, AND  
FEEDBACK CONNECTING LINKS REF DES  
2731MP043 THRU REF DES 2731MP046.**

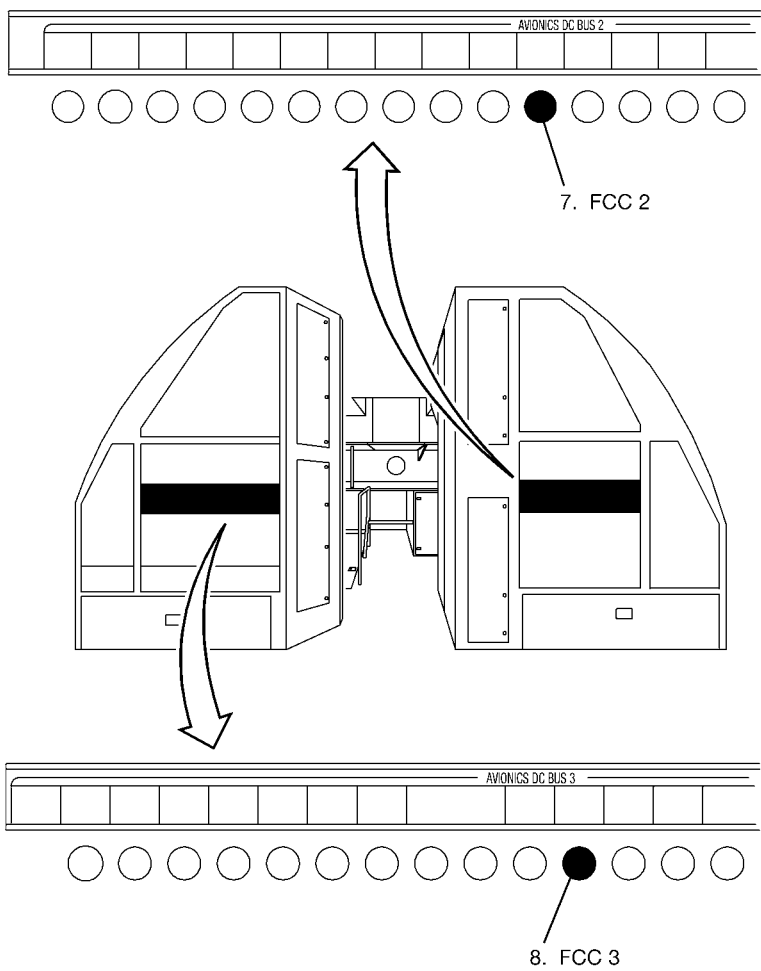
1. (A) Remove warning tag and close **FLIGHT CONTROL  
COMPUTER EMERGENCY 1** circuit breaker on overhead circuit  
breaker panel, row **H**, column **2**.
2. (A) Remove warning tag and close **FLIGHT CONTROL  
COMPUTER EMERGENCY 2** circuit breaker on overhead circuit  
breaker panel, row **H**, column **3**.
3. (A) Remove warning tag and close **FLIGHT CONTROL  
COMPUTER EMERGENCY 3** circuit breaker on overhead circuit  
breaker panel, row **H**, column **4**.
4. (A) Remove warning tag and close **FLIGHT CONTROL  
COMPUTER EMERGENCY 4** circuit breaker on overhead circuit  
breaker panel, row **H**, column **5**.
5. (A) Remove warning tag and close **FCC 1** circuit breaker on  
overhead circuit breaker panel, row **H**, column **27**.
6. (A) Remove warning tag and close **FCC 4** circuit breaker on  
overhead circuit breaker panel, row **G**, column **30**.



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## **TO 1300i-2-27JG-30-1**

7. (A) Remove warning tag and close **FCC 2** circuit breaker on EPC, row **T**, column **50**.
8. (A) Remove warning tag and close **FCC 3** circuit breaker on EPC, row **T**, column **24**.



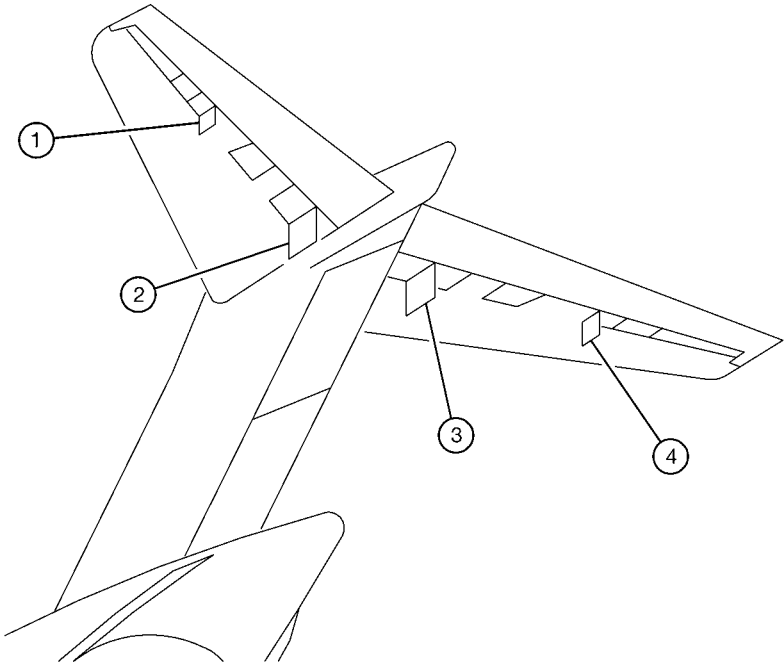
**TO 1300i-2-27JG-30-1**

- 9. (2731MP040, 2731MP042, 2731MP044, or 2731MP046) Remove rudder control surface aircraft ground safety lock assembly (05-10-01, task 01-16).
- 10. Remove inboard or outboard elevator control surface aircraft ground safety lock (05-10-01) as follows:

CONNECTING LINK REF DES	TASK NO.
2731MP039, 2731MP043	01-14
2731MP041, 2731MP045	
2731MP040, 2731MP044	01-12
2731MP042, 2731MP046	

- 11. (A) Close access doors and tighten fasteners.





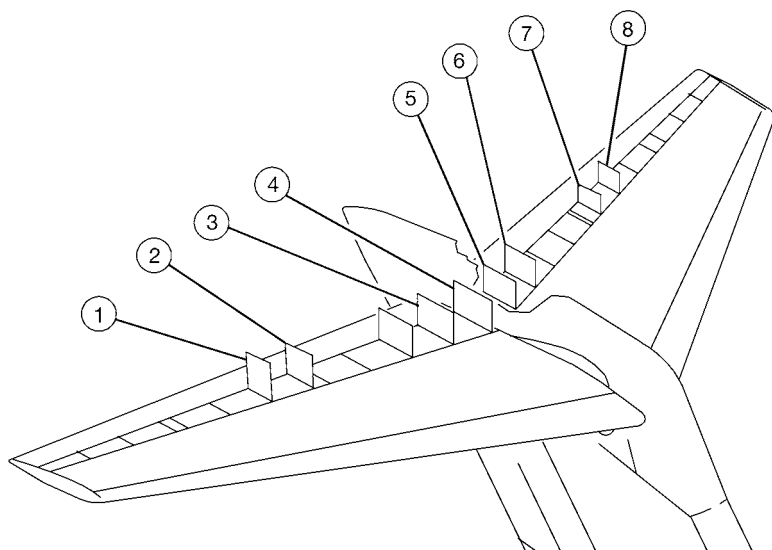
11. —

CONNECTING LINK REF DES	INDEX NO.	DOOR NO.
2731MP041 2731MP045	1	313PBD
2731MP042 2731MP046	2	313MBD
2731MP040 2731MP044	3	323MBD
2731MP039 2731MP043	4	323PBD

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## **TO 1300i-2-27JG-30-1**

12. Exit horizontal stabilizer (00-00-02).
13. (A,B) Close access doors and tighten fasteners.
14. Perform mechanical controls and surfaces system operational checkout (27-31-01, task 01-1).
15. Perform electronic flight control system maintenance built-in test (40-00-02).
16. Perform electronic flight control system minor rig (22-10-02).



13.—

CONNECTING LINK REF DES	INDEX NO.	DOOR NO.	FASTENER QTY
2731MP039	1	323FTD	5
2731MP043	2	323ETD	6
2731MP040	3	323BTD	6
2731MP044	4	323ATD	6
2731MP042	5	313ATD	6
2731MP046	6	313BTD	6
2731MP041	7	313ETD	6
2731MP045	8	313FTD	5

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