

TO 1300i-2-27JG-10-4

TECHNICAL MANUAL

JOB GUIDE

ORGANIZATIONAL MAINTENANCE

FLIGHT CONTROLS AILERON

(27-10-00 AND 27-11-11 THROUGH 27-11-14)

USAF SERIES

300i

AIRCRAFT

MCDONNELL DOUGLAS CORPORATION

MILITARY TRANSPORT AIRCRAFT

F33657-81-C-2108

FA8526-21-D-0001

THIS MANUAL SUPERSEDES TO 1300i-2-27JG-10-4 DATED 1 JUNE 2024.

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T-2

1 JANUARY 2025

INSERT LATEST CHANGED PAGES. DESTROY SUPERSEDED PAGES.

LIST OF EFFECTIVE PAGES

NOTE: The portion of the text affected by the changes is indicated by a vertical line in the outer margins of the page. Changes to illustrations are indicated by miniature pointing hands.

Dates of issue for original and changed pages are:

Original 0 1 Jan 25

TOTAL NUMBER OF PAGES IN THIS PUBLICATION IS 144 CONSISTING OF THE FOLLOWING:

Page No.	* Change No.	Page No.	* Change No.
Title thru T-2	0	2-86 blank	0
A.	0	2-87 thru 2-90	0
B blank	0	2-91 blank	0
i	0	2-92 thru 2-107	0
ii blank	0	2-108 blank	0
iii thru iv	0	2-109 thru 2-110.	0
1-1 thru 1-2	0	2-111 blank.	0
2-1 thru 2-6	0	2-112 thru 2-123.	0
2-7 blank	0	2-124 blank	0
2-8 thru 2-11	0	2-125 thru 2-126.	0
2-12 blank	0	2-127 blank	0
2-13 thru 2-24	0	2-128 thru 2-133.	0
2-25 blank	0	2-134 blank	0
2-26 thru 2-33	0		
2-34 blank	0		
2-35 thru 2-36	0		
2-37 blank	0		
2-38 thru 2-43	0		
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2-45 thru 2-48	0		
2-49 blank	0		
2-50 thru 2-64	0		
2-65 blank	0		
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2-78 blank	0		
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2-82 thru 2-85	0		

*Zero in this column indicates an original page.

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INTRODUCTION

SCOPE.

This manual contains maintenance procedures for removal, installation, and repair of aileron system components.

MODEL(S) COVERED.

All

ABBREVIATIONS.

The following is a list of non-standard abbreviations used throughout this manual.

EPC	Electrical Power Center
-----	-------------------------

PLCS	Places
------	--------

CHANGE REQUEST.

Recommended changes to this manual shall be submitted in accordance with TO 00-5-1

300i TO INFORMATION.

General 300i TO/eTO, TO Manager, Supplement and finalized Recommended Change (RC) information can be found in the Enhanced Technical Information Management System (ETIMS), System of Record.

➤ LIST OF TIME COMPLIANCE TECHNICAL ORDERS (TCTO).

This list of TCTO's contains all current TCTO's that affect the technical content of text or illustrations found in this manual.

TCTO NUMBER	TITLE	TCTO DATE	APPLICABILITY

SECTION 1

GENERAL INFORMATION (27-10-00)

1-1. GENERAL INFORMATION.

1-2. This section provides general information that is essential for ensuring complete and safe maintenance procedures contained throughout this job guide manual.

1-3. When operating an auxiliary motor pump below 15 degrees Fahrenheit a 30 seconds on/30 seconds off duty cycle for a maximum 10 cycles may be required to reach full hydraulic pressure of 3800 to 4200 psi. Allow ten minutes for cooling and repeat cycles.

1-4. Hydraulic system No. 2 may require 45 seconds before reaching full hydraulic pressure of 3800 to 4200 psi.

1-5. All adhesive sealants, sealants, and compounds used in this manual are listed with a primary part number and/or primary specification number. Any suitable substitutes and/or interchangeable adhesive sealants, sealants, and compounds may be used unless otherwise specified. Suitable substitutes and/or interchangeable adhesive sealants, sealants, and compounds are listed in the system peculiar corrosion control manual (Refer to TO 1300i-23, Chapter 1, Section III).

1-6. When reading the difference between pressurized and unpressurized reservoir quantities, the quantities shall be no greater than the maximum allowed and as follows:

HYD SYSTEM NO.	QTY DIFFERENCE (Quarts)
1	2
2	4
3	3
4	2

1-7. Flight control surfaces are to be cleared prior to turning off hydraulic auxiliary pumps from the loadmaster control panels. Flight control surface movement may occur.

1-8. GENERAL WARNINGS, CAUTIONS, AND NOTES.

WARNING

All flight control surfaces and thrust reversers shall be clear of personnel and equipment prior to applying or removing hydraulic power. Failure to comply may cause injury to personnel or damage to aircraft.

CAUTION

Air in a hydraulic system can cause numerous malfunctions, from a total system failure to a minor indication problem. If you suspect air has been inducted into a system by removing a hydraulic component or a line, refer to the hydraulic system bleed procedure, (12-29-08). Failure to comply may cause damage to aircraft.

NOTE

When installing or removing rig pins during the rigging of cables, the pins shall move freely in rig pin holes.

SECTION 2

AILERON CONTROL BELLCRANK ASSEMBLY (27-11-11)

MASTER INPUT CONDITIONS:

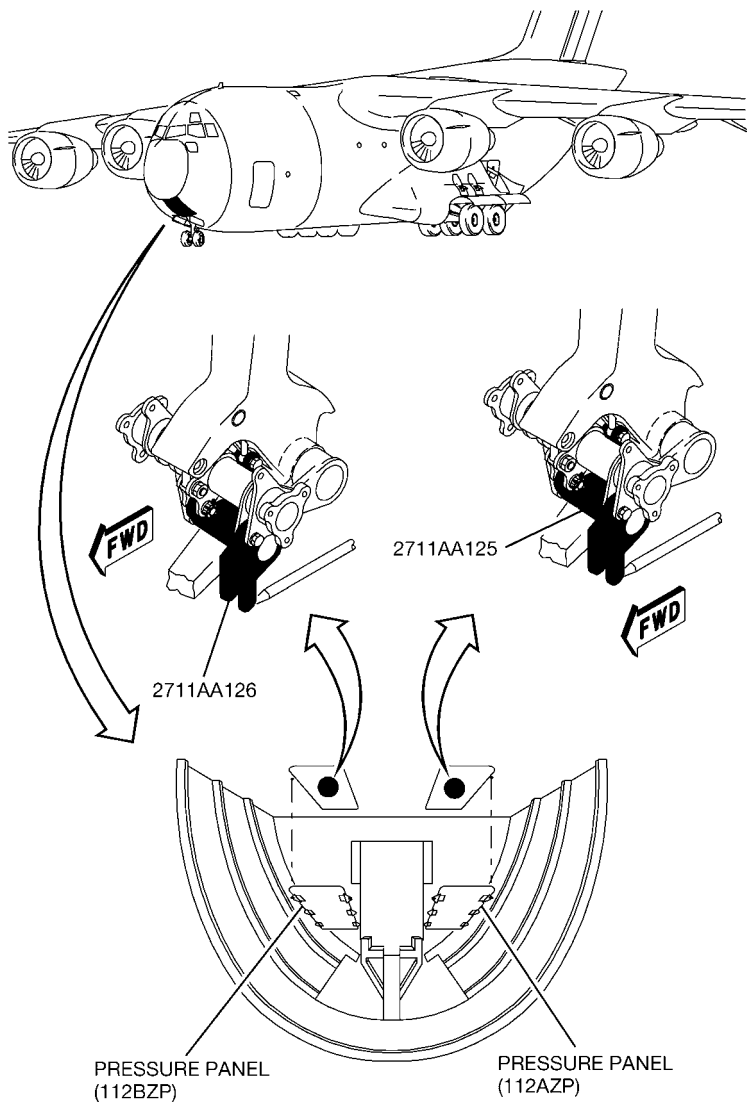
Reference designators:

2711AA125	Aileron Control Bellcrank Assembly
2711AA126	Aileron Control Bellcrank Assembly

Applicable functions:

- 2 Removal.
- 3 Installation.

Access data:



ICN-88277-G2711101-003-01

AILERON CONTROL BELLCRANK ASSEMBLY REMOVAL (27-11-11-2)

FUNCTIONAL INPUT CONDITIONS:

Applicability:

All

Task

All

Additional information:

This procedure consists of the following tasks:

- 2-1. Preparation.
- 2-2. Removal.
- 2-3. Follow-on maintenance.

NOTE

This is a typical removal task for all aileron control bellcrank assemblies.

Task

All

Additional data:

TO 1300i-2-05JG-10-1

TO 1300i-2-53JG-10-1

Task

2-1

2-1

Personnel recommended:

One

Task

All

Safety conditions:

Task

WARNING

The horizontal pressure panel access cover(s) are removed in these tasks to gain access to the cavity above. When rudder, aileron, and elevator aircraft ground safety locks are not installed, care shall be taken working around rudder, aileron, and elevator cables, pulleys, and linkage due to possible moving parts. Failure to comply may cause injury to personnel.

All

Support equipment:

<u>Nomenclature</u>	<u>PN</u>	<u>Specification</u>	<u>Qty</u>	<u>Task</u>
NA	--	--	--	--

Supplies:

<u>Nomenclature</u>	<u>PN</u>	<u>Specification</u>	<u>Qty</u>	<u>Task</u>
NA	--	--	--	--

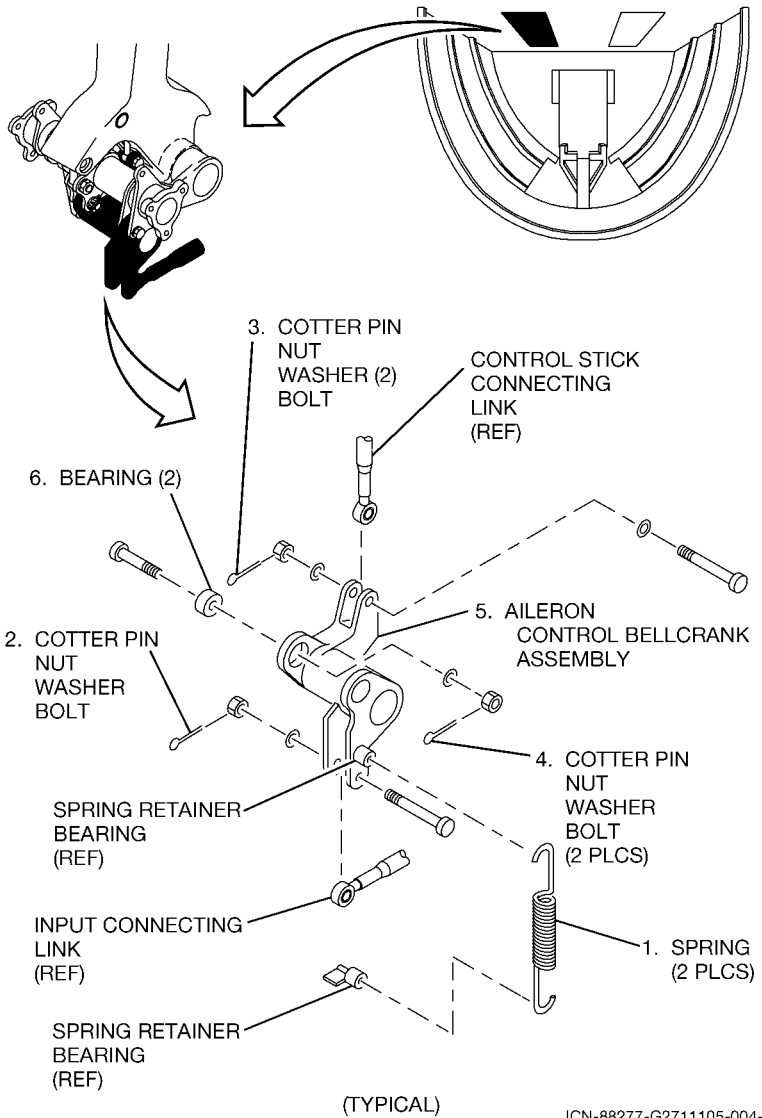
2-1. PREPARATION.

- 1. Review "Section 1 (General Information)" of this TO for system general warnings, cautions, and notes.
- 2. Review task "Functional Input Conditions" page for task specific safety conditions.
- 3. Install aileron aircraft ground safety lock (05-10-01, task 01-3).
- 4. Remove horizontal pressure panel access cover assembly (53-12-10).

BELLCRANK REF DES	PANEL NO.	PANEL REF DES
2711AA125	112AZP	5312CA001
2711AA126	112BZP	5312CA002

2-2. REMOVAL.

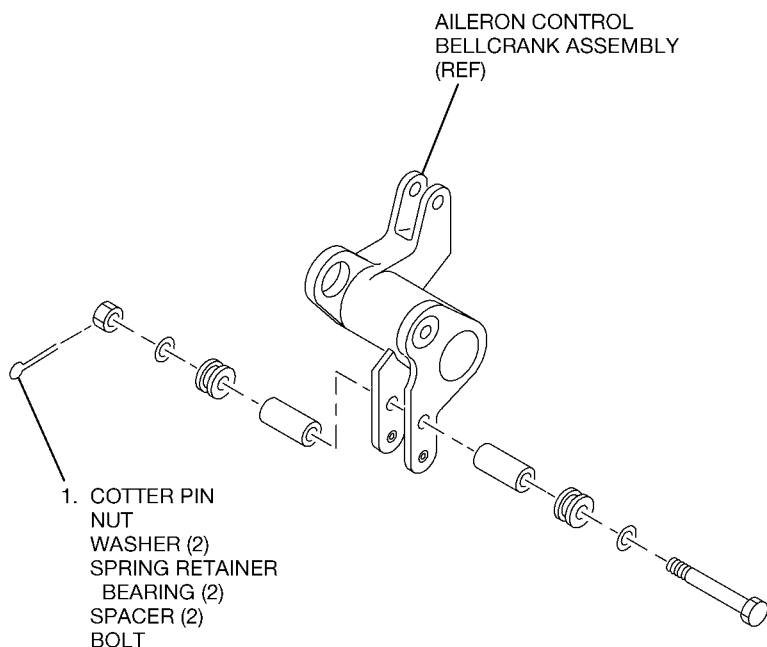
1. Remove springs from spring retainer bearings.
2. Remove cotter pin, nut, washer, and bolt from input connecting link.
3. Remove cotter pin, nut, washers, and bolt from control stick connecting link.
4. Remove cotter pins, nuts, washers, and bolts.
5. Remove aileron control bellcrank assembly.
6. Remove bearings.



ICN-88277-G2711105-004-01

2-3. FOLLOW-ON MAINTENANCE.

1. Remove cotter pin, nut, washers, spring retainer bearings, spacers, and bolt from aileron control bellcrank assembly.



ICN-88277-G2711106-003-01

AILERON CONTROL BELLCRANK ASSEMBLY INSTALLATION (27-11-11-3)

FUNCTIONAL INPUT CONDITIONS:

Applicability:

All

Task

All

Additional information:

This procedure consists of the following tasks:

- 3-1. Preparation.
- 3-2. Installation.
- 3-3. Follow-on maintenance.

NOTE

This is a typical installation task for all aileron control bellcrank assemblies.

Task

All

Additional data:

TO 1300i-2-05JG-10-1

TO 1300i-2-27JG-10-1

TO 1300i-2-27JG-10-3

TO 1300i-2-53JG-10-1

Task

3-3

3-3

3-2

3-3

Personnel recommended:

One

Task

All

Safety conditions:

Task

WARNING

The horizontal pressure panel access cover(s) are removed in these tasks to gain access to the cavity above. When rudder, aileron, and elevator aircraft ground safety locks are not installed, care shall be taken working around rudder, aileron, and elevator cables, pulleys, and linkage due to possible moving parts. Failure to comply may cause injury to personnel.

All

Support equipment:

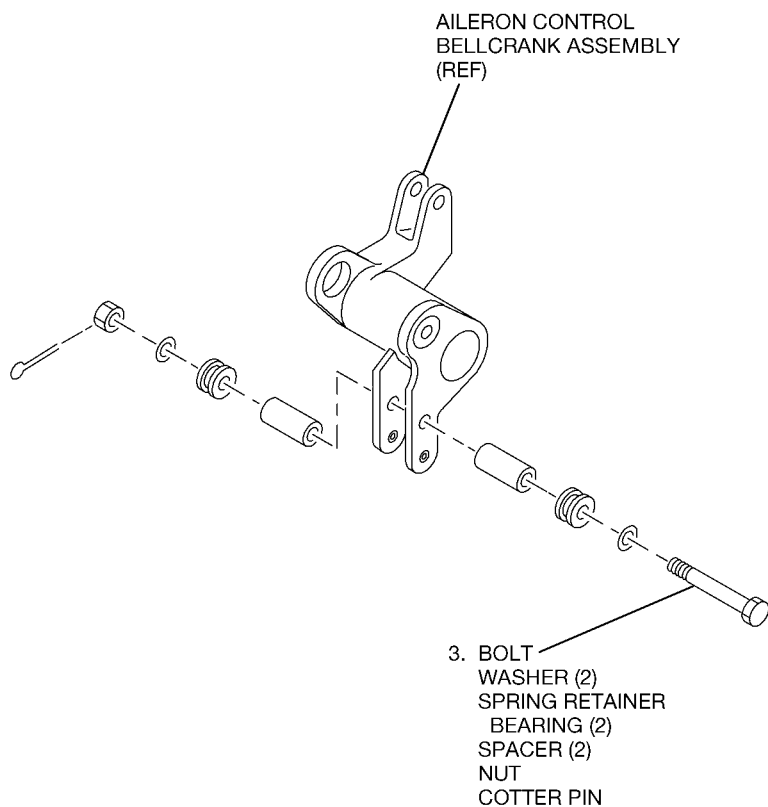
<u>Nomenclature</u>	<u>PN</u>	<u>Specification</u>	<u>Qty</u>	<u>Task</u>
NA	--	--	--	--

Supplies:

<u>Nomenclature</u>	<u>PN</u>	<u>Specification</u>	<u>Qty</u>	<u>Task</u>
Pin, Cotter	MS24665-151	--	1	3-1
Pin, Cotter	MS24665-151	--	4	3-2

3-1. PREPARATION.

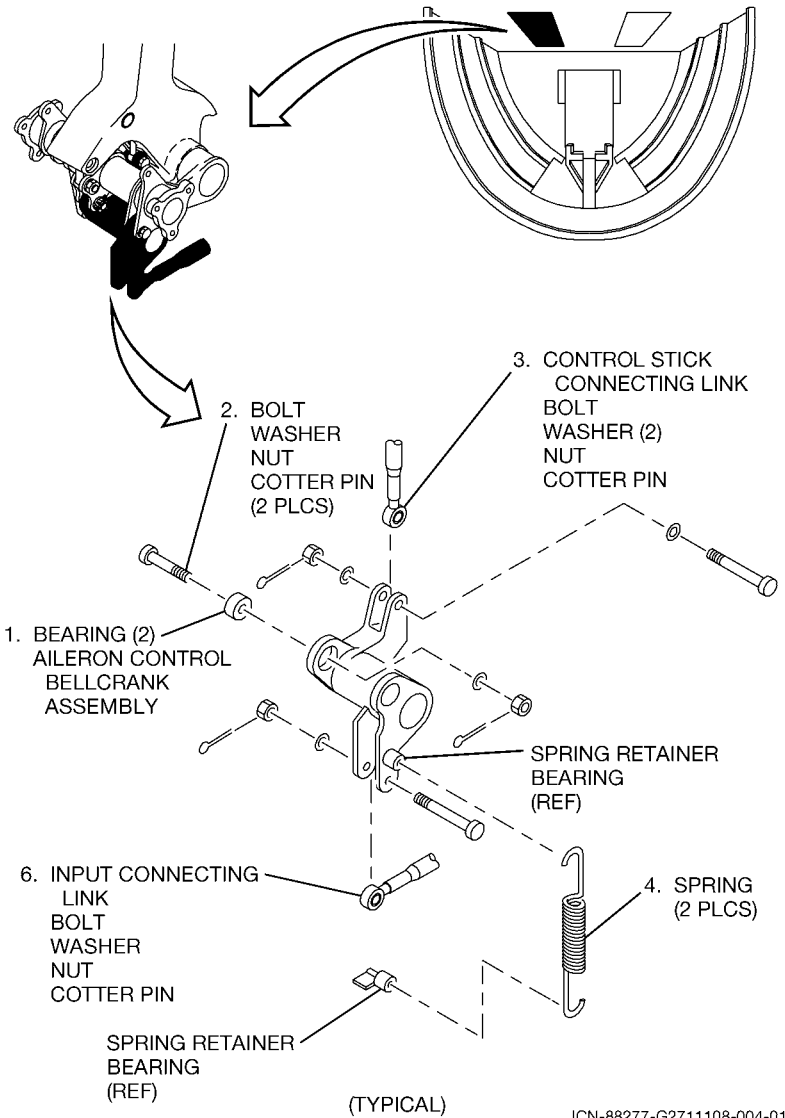
1. Review "Section 1 (General Information)" of this TO for system general warnings, cautions, and notes.
2. Review task "Functional Input Conditions" page for task specific safety conditions.
3. Install bolt, washers, spring retainer bearings, spacers, nut, and cotter pin on aileron control bellcrank assembly.



ICN-88277-G2711107-003-01

3-2. INSTALLATION.

1. Install bearings and position aileron control bellcrank assembly.
2. Install bolts, washers, nuts, and cotter pins.
3. Position control stick connecting link and install bolt, washers, nut, and cotter pin.
4. Install springs on spring retainer bearings.
5. Perform control stick assembly adjustment (27-11-10-5).
6. Position input connecting link and install bolt, washer, nut, and cotter pin.



ICN-88277-G2711108-004-01

3-3. FOLLOW-ON MAINTENANCE.

- 1. Install horizontal pressure panel access cover assembly (53-12-10).

BELLCRANK REF DES	PANEL NO.	PANEL REF DES
2711AA125	112AZP	5312CA001
2711AA126	112BZP	5312CA002

- 2. Remove aileron aircraft ground safety lock (05-10-01, task 01-4).
- 3. Perform aileron mechanical controls and surfaces system operational checkout (27-11-01, task 01-1).

AILERON CONTROL IDLER ARM CRANK ASSEMBLY (27-11-12)

MASTER INPUT CONDITIONS:

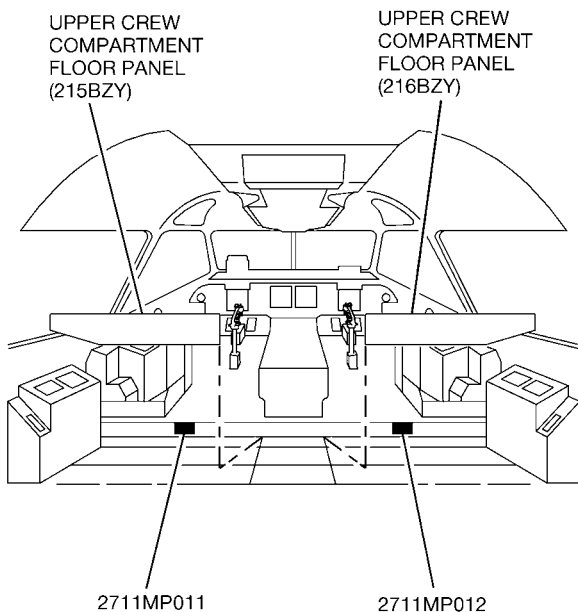
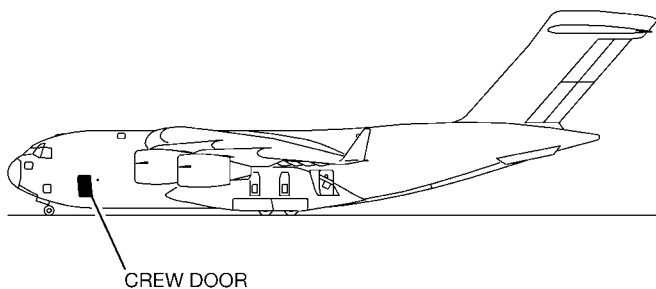
Reference designators:

2711MP011	Aileron Control Idler Arm Crank Assembly
2711MP012	Aileron Control Idler Arm Crank Assembly

Applicable functions:

- 2 Removal.
- 3 Installation.

Access data:



ICN-88277-G2711121-002-01

AILERON CONTROL IDLER ARM CRANK ASSEMBLY REMOVAL (27-11-12-2)

FUNCTIONAL INPUT CONDITIONS:

Applicability:

All

Task

All

Additional information:

This procedure consists of the following tasks:

- 2-1. Preparation.
- 2-2. Removal for 2711MP011.
- 2-3. Removal for 2711MP012.

Additional data:

TO 1300i-2-05JG-10-1

Task

2-1

Personnel recommended:

One

Task

All

Safety conditions:

NA

Task

--

Support equipment:

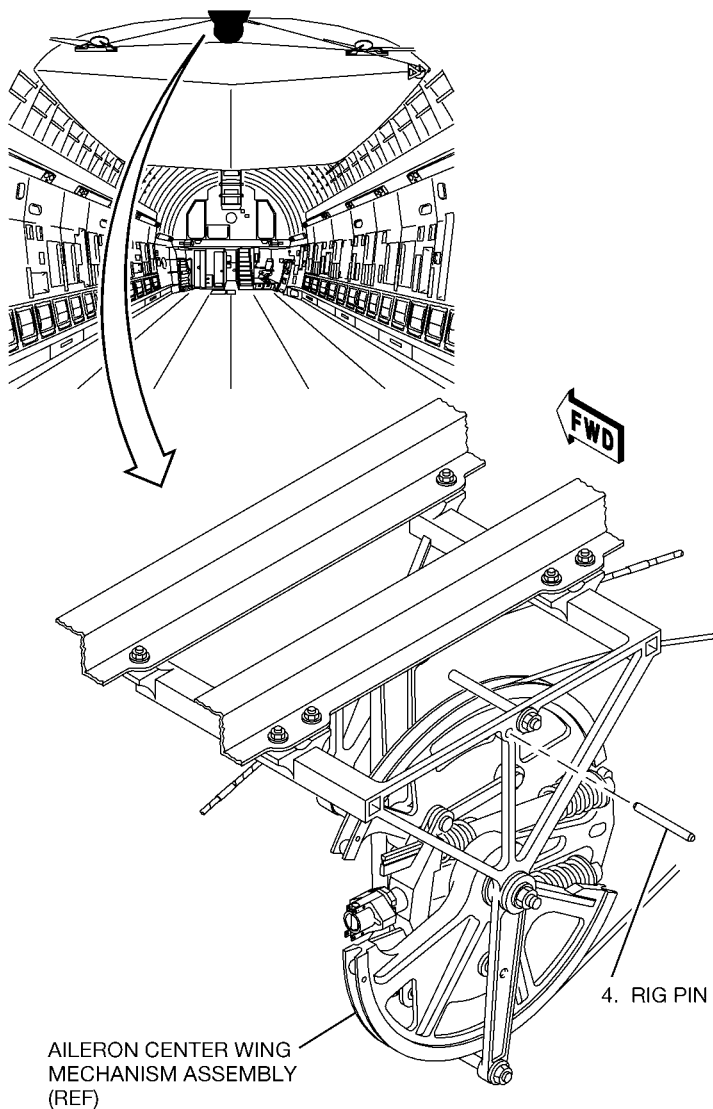
<u>Nomenclature</u>	<u>PN</u>	<u>Specification</u>	<u>Qty</u>	<u>Task</u>
Kit, Rig Pin	17G140015-1	--	1	2-1

Supplies:

<u>Nomenclature</u>	<u>PN</u>	<u>Specification</u>	<u>Qty</u>	<u>Task</u>
NA	--	--	--	--

2-1. PREPARATION.

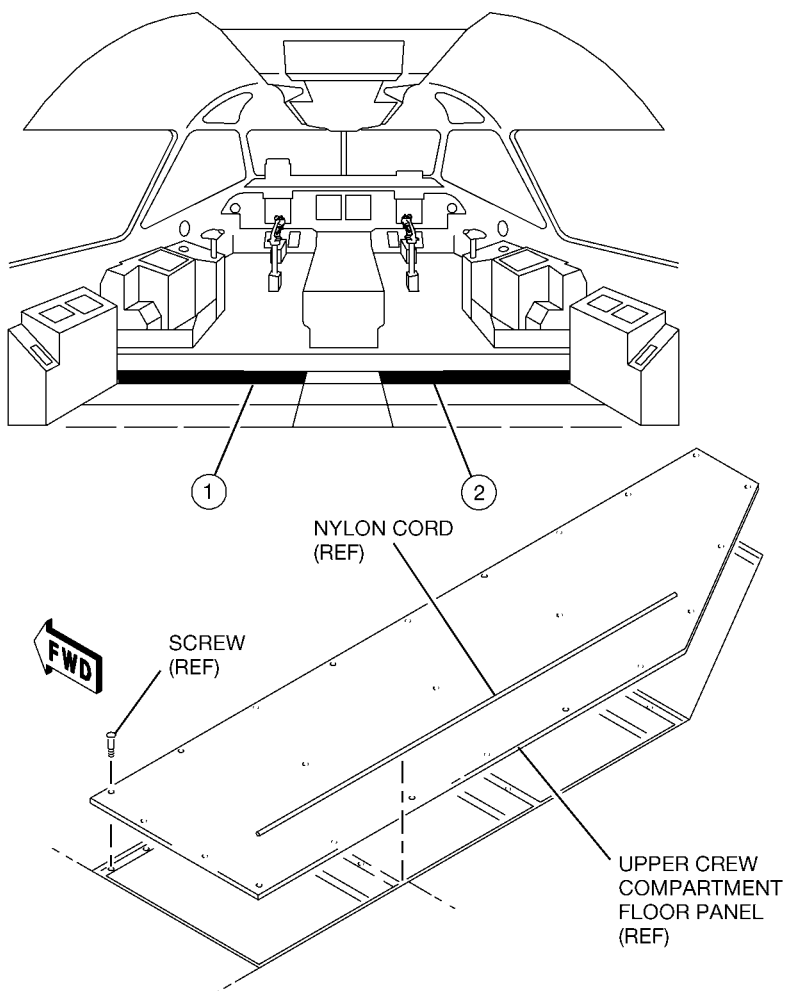
1. Review "Section 1 (General Information)" of this TO for system general warnings, cautions, and notes.
2. Review task "Functional Input Conditions" page for task specific safety conditions.
3. Install aileron aircraft ground safety lock (05-10-01, task 01-3).
4. Install rig pin 5-8 in aileron center wing mechanism.



ICN-88277-G2711123-003-01

TO 1300i-2-27JG-10-4

5. Remove screws from upper crew compartment floor panel.
6. Remove and discard nylon cords.
7. Remove upper crew compartment floor panel.

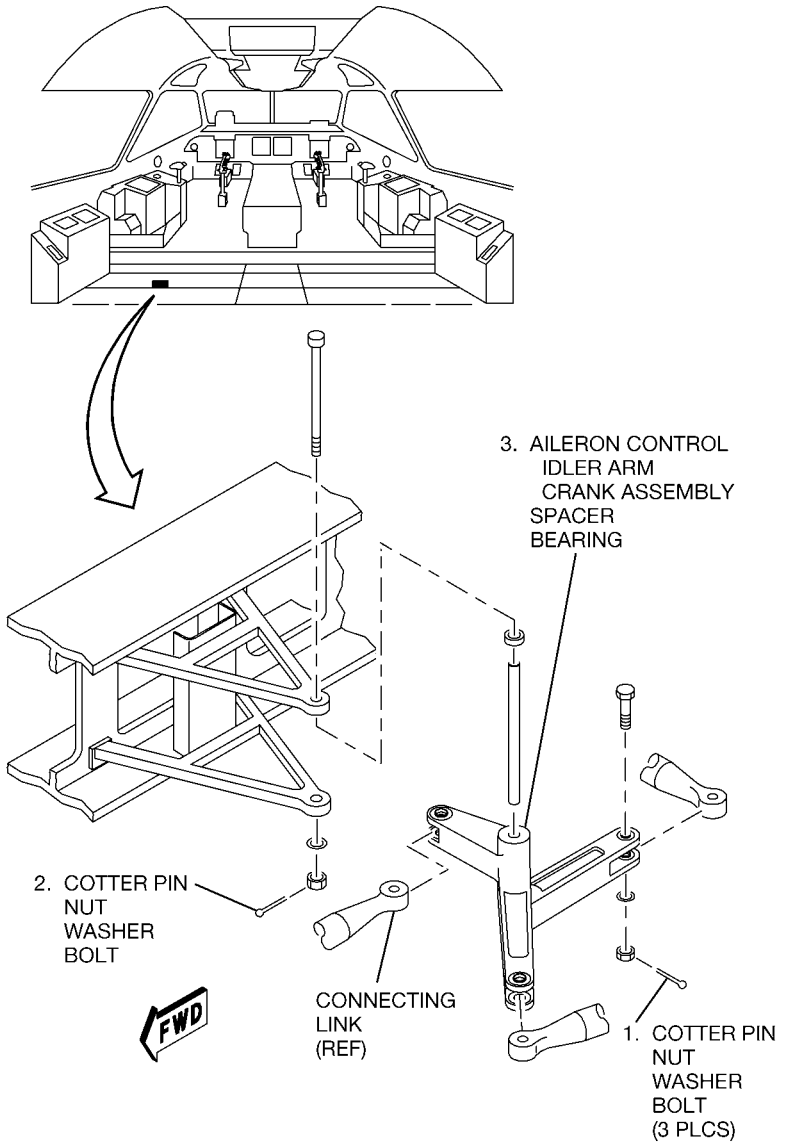


5.	CRANK REF DES	INDEX NO.	PANEL NO.	SCREW QTY	NYLON CORD
6.	2711MP011	1	215BZY	23	5
7.	2711MP012	2	216BZY	23	5

ICN-88277-G2711124-003-01

2-2. REMOVAL FOR 2711MP011.

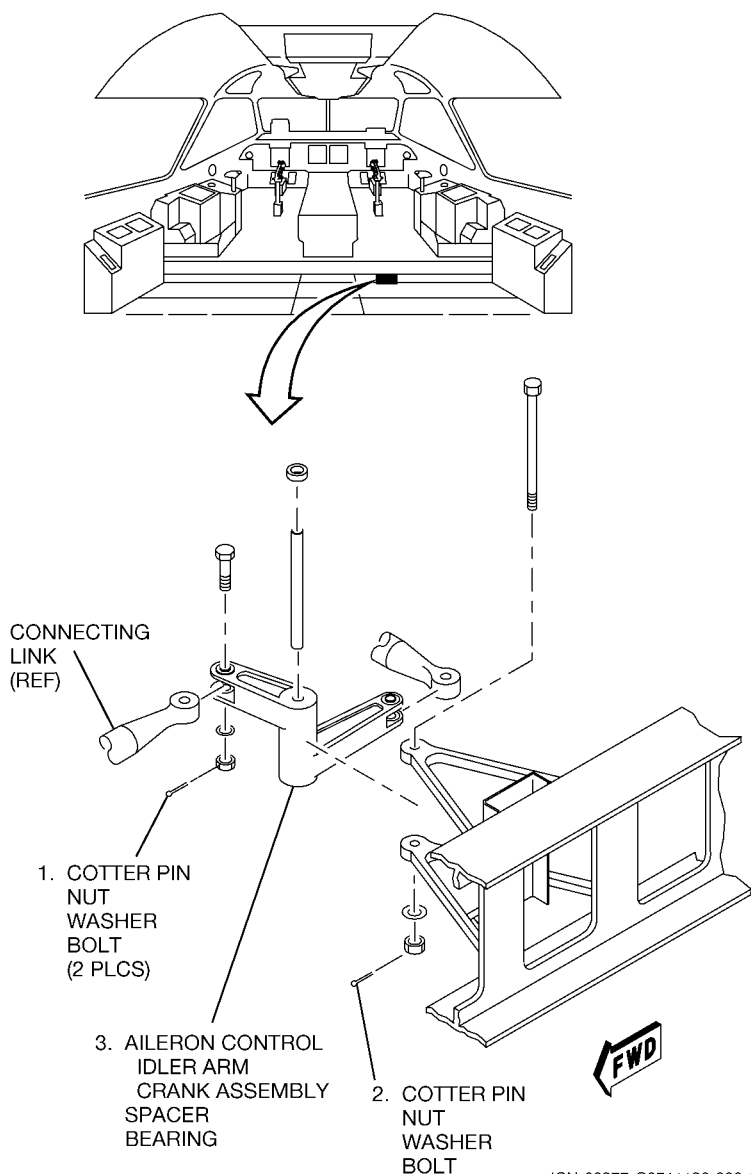
1. Remove cotter pins, nuts, washers, and bolts from connecting links.
2. Remove cotter pin, nut, washer, and bolt.
3. Remove aileron control idler arm crank assembly, spacer, and bearing.



ICN-88277-G2711125-003-01

2-3. REMOVAL FOR 2711MP012.

1. Remove cotter pins, nuts, washers, and bolts from connecting links.
2. Remove cotter pin, nut, washer, and bolt.
3. Remove aileron control idler arm crank assembly, spacer, and bearing.



ICN-88277-G2711126-003-01

**AILERON CONTROL IDLER ARM CRANK
ASSEMBLY INSTALLATION
(27-11-12-3)**

FUNCTIONAL INPUT CONDITIONS:

Applicability:	Task
All	All

Additional information:

This procedure consists of the following tasks:

- 3-1. Installation for 2711MP011.
- 3-2. Installation for 2711MP012.
- 3-3. Follow-on maintenance.

Additional data:	Task
TO 1300i-2-05JG-10-1	3-3
TO 1300i-2-27JG-10-1	3-3
TO 1300i-2-53JG-20-1	3-3

Personnel recommended:	Task
One	All

Safety conditions:	Task
NA	--

Support equipment:

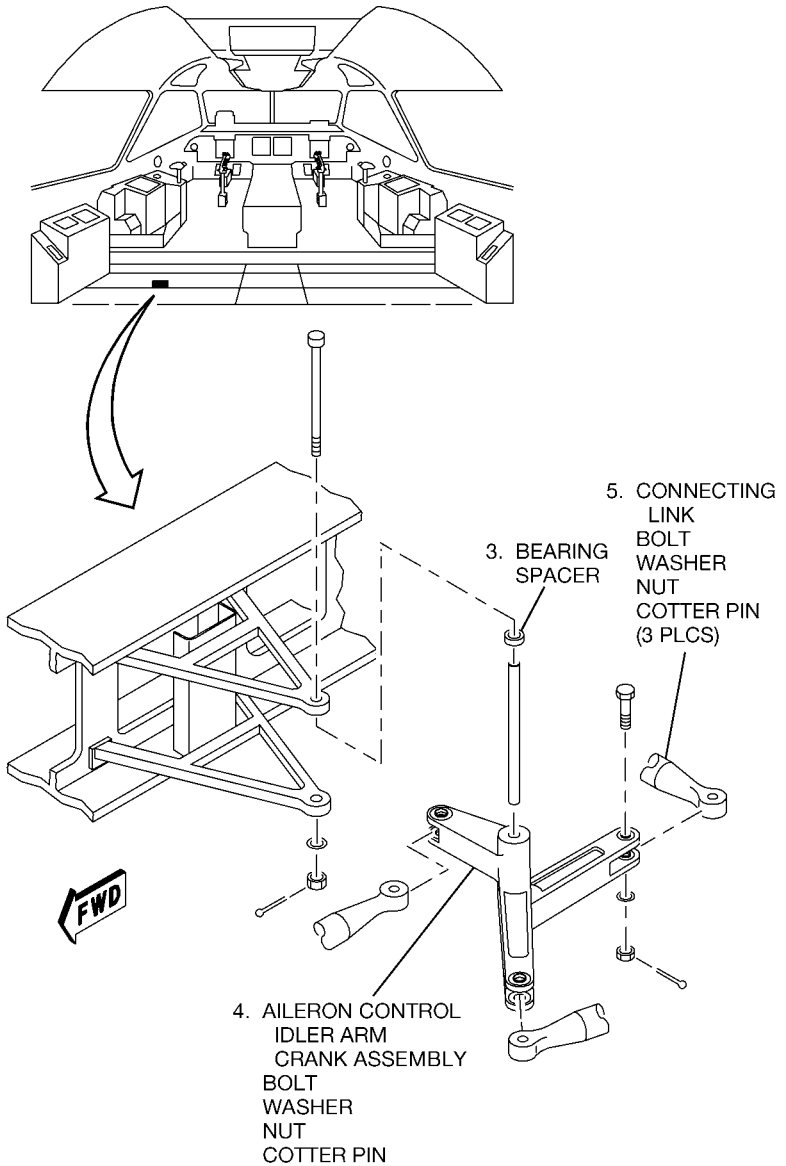
<u>Nomenclature</u>	<u>PN</u>	<u>Specification</u>	<u>Qty</u>	<u>Task</u>
Kit, Rig Pin	17G140015-1	--	1	3-3

Supplies:

<u>Nomenclature</u>	<u>PN</u>	<u>Specification</u>	<u>Qty</u>	<u>Task</u>
Pin, Cotter	MS24665-151	--	4	3-1
Pin, Cotter	MS24665-151	--	3	3-2

3-1. INSTALLATION FOR 2711MP011.

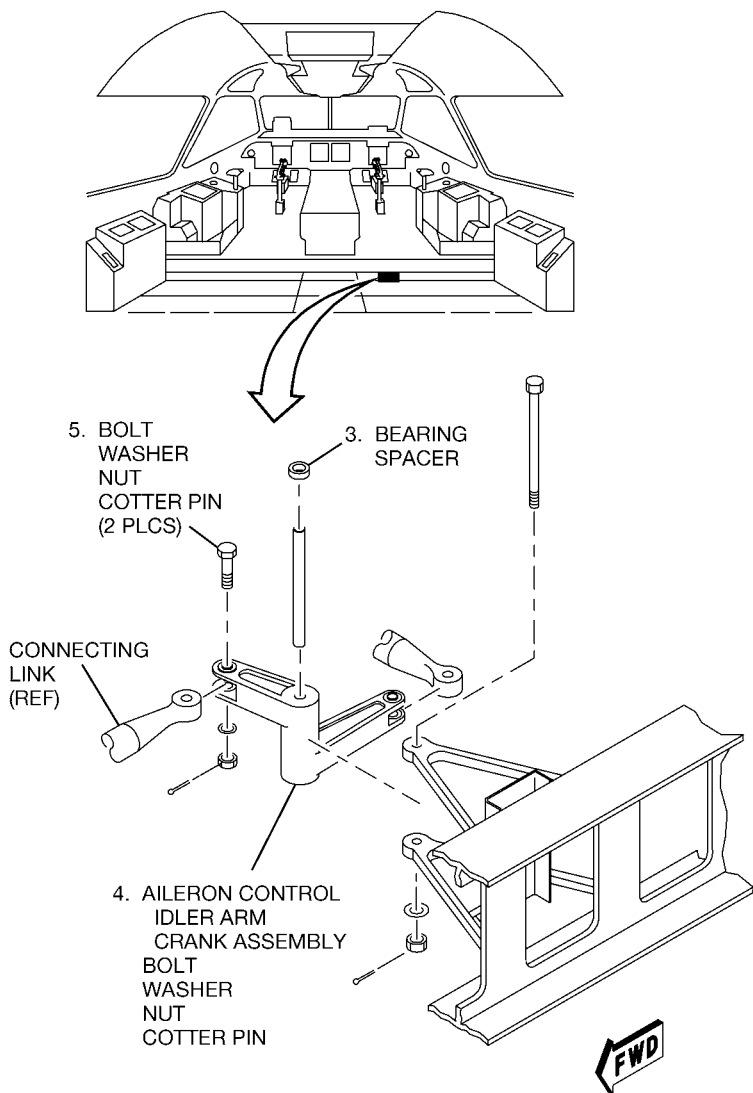
1. Review "Section 1 (General Information)" of this TO for system general warnings, cautions, and notes.
2. Review task "Functional Input Conditions" page for task specific safety conditions.
3. Install bearing and spacer.
4. Position aileron control idler arm crank assembly; install bolt, washer, nut, and cotter pin.
5. Position connecting links; install bolts, washers, nuts, and cotter pins.



ICN-88277-G2711127-003-01

3-2. INSTALLATION FOR 2711MP012.

1. Review "Section 1 (General Information)" of this TO for system general warnings, cautions, and notes.
2. Review task "Functional Input Conditions" page for task specific safety conditions.
3. Install bearing and spacer.
4. Position aileron control idler arm crank assembly; install bolt, washer, nut, and cotter pin.
5. Position connecting links; install bolts, washers, nuts, and cotter pins.



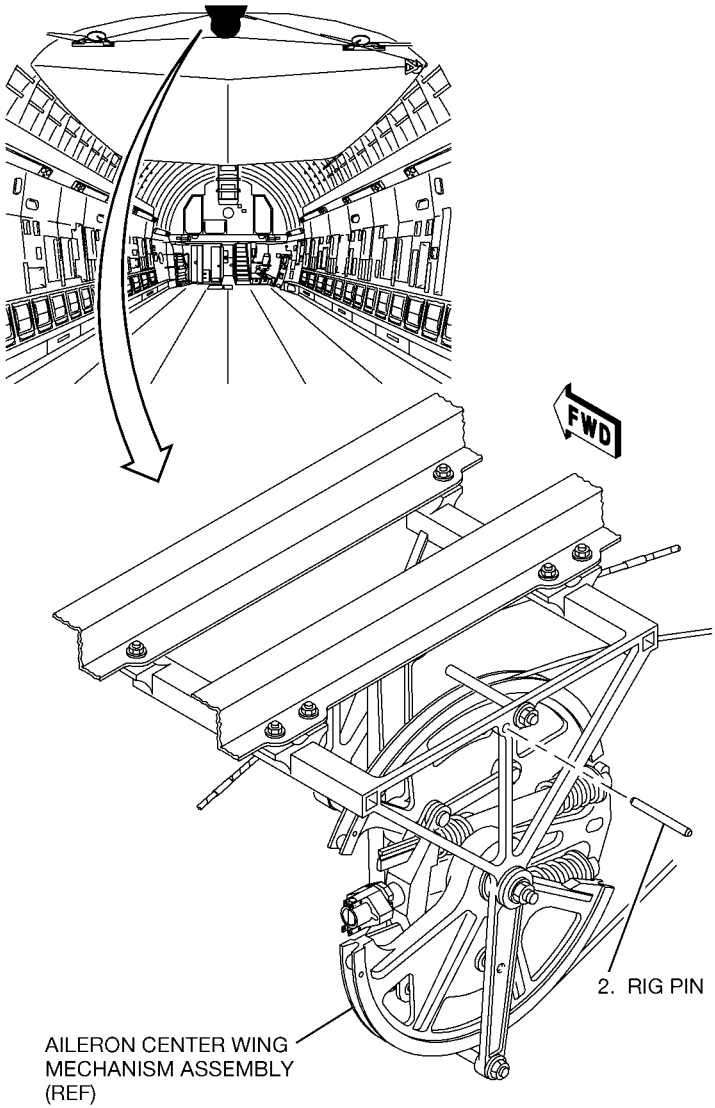
ICN-88277-G2711128-003-01

3-3. FOLLOW-ON MAINTENANCE.

- 1. Perform upper crew compartment floor panel installation (53-21-10) as follows:

CRANK REF DES	PANEL NO.
2711MP011	215BZY
2711MP012	216BZY

- 2. Remove rig pin from aileron center wing mechanism.
- 3. Remove aileron aircraft ground safety lock (05-10-01, task 01-4).
- 4. Perform aileron mechanical controls and surfaces system operational checkout (27-11-01, task 01-1).



ICN-88277-G2711129-003-01

PILOT AILERON LOAD FEEL CONTROL ASSEMBLY (27-11-13)

MASTER INPUT CONDITIONS:

Reference designators:

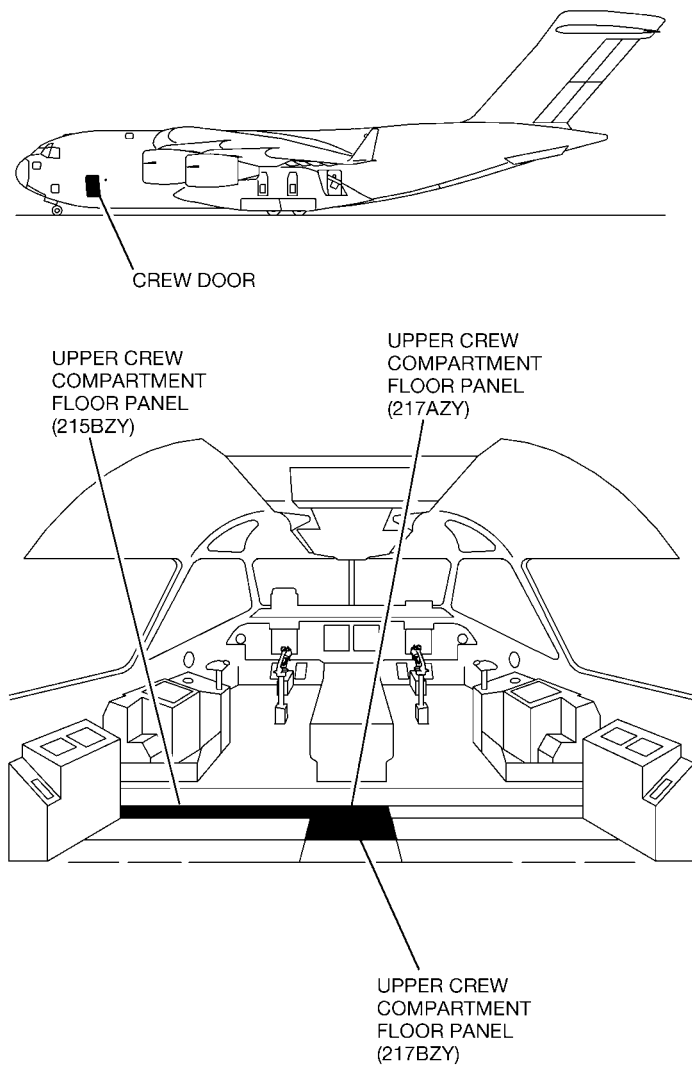
2711AA017

Pilot Aileron Load Feel Control Assembly

Applicable functions:

- 2 Removal.
- 3 Installation.
- 4 Repair.

Access data:



ICN-88277-G2711034-004-01

PILOT AILERON LOAD FEEL CONTROL ASSEMBLY REMOVAL (27-11-13-2)

FUNCTIONAL INPUT CONDITIONS:

Applicability:

	Task
All	2-1, 2-2
⬡AA⬡ → ⬡BH⬡	2-3

Additional information:

This procedure consists of the following tasks:

- 2-1. Preparation.
- 2-2. Removal.
- 2-3. Follow-on maintenance.

Additional data:

	Task
TO 1-1A-14	2-3
TO 1300i-2-05JG-10-1	2-1

Personnel recommended:

	Task
One	All

Safety conditions:

	Task
NA	--

Support equipment:

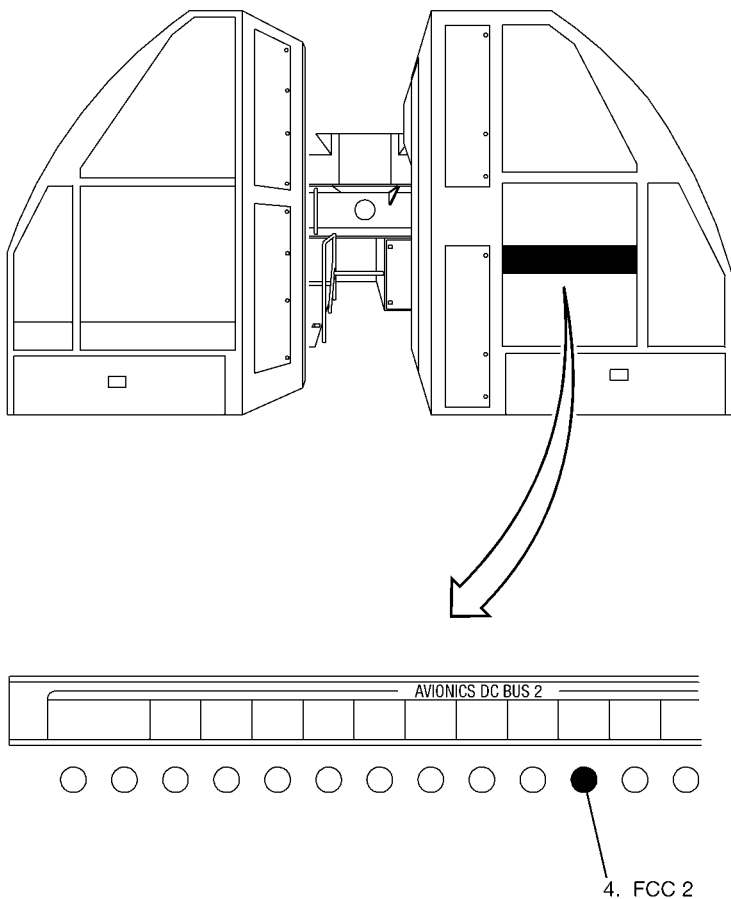
<u>Nomenclature</u>	<u>PN</u>	<u>Specification</u>	<u>Qty</u>	<u>Task</u>
NA	--	--	--	--

Supplies:

<u>Nomenclature</u>	<u>PN</u>	<u>Specification</u>	<u>Qty</u>	<u>Task</u>
Tag, Warning	--	--	2	2-1

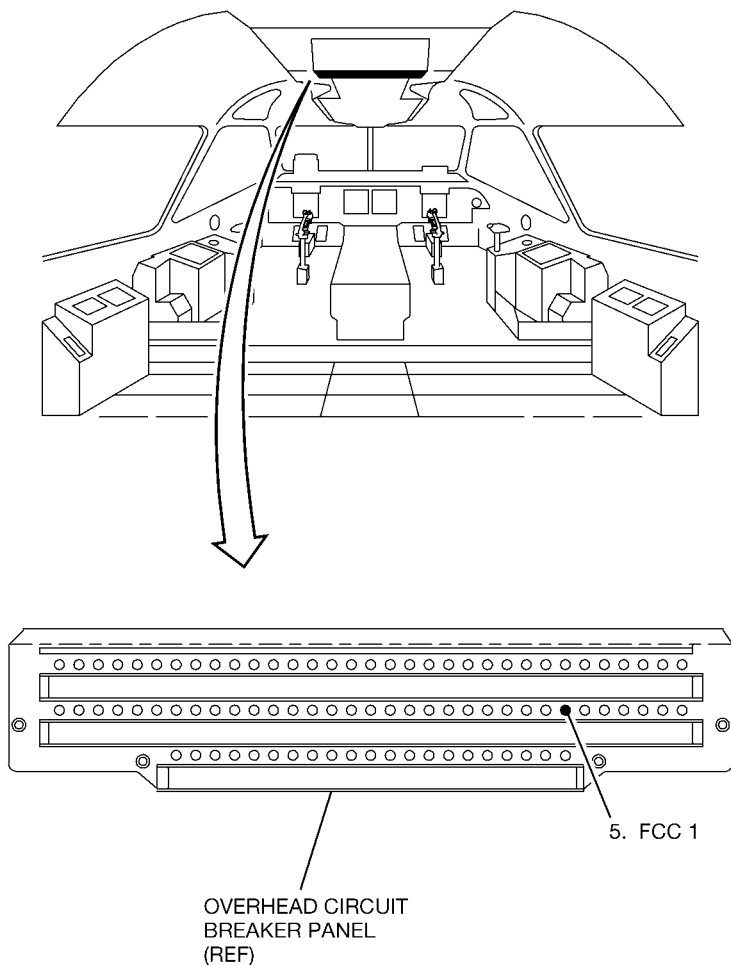
2-1. PREPARATION.

1. Review "Section 1 (General Information)" of this TO for system general warnings, cautions, and notes.
2. Review task "Functional Input Conditions" page for task specific safety conditions.
3. Install aileron aircraft ground safety lock (05-10-01, task 01-3).
4. Open **FCC 2** circuit breaker on Electrical Power Center (EPC), row **T**, column **50**, and attach warning tag.



ICN-88277-G2711142-003-01

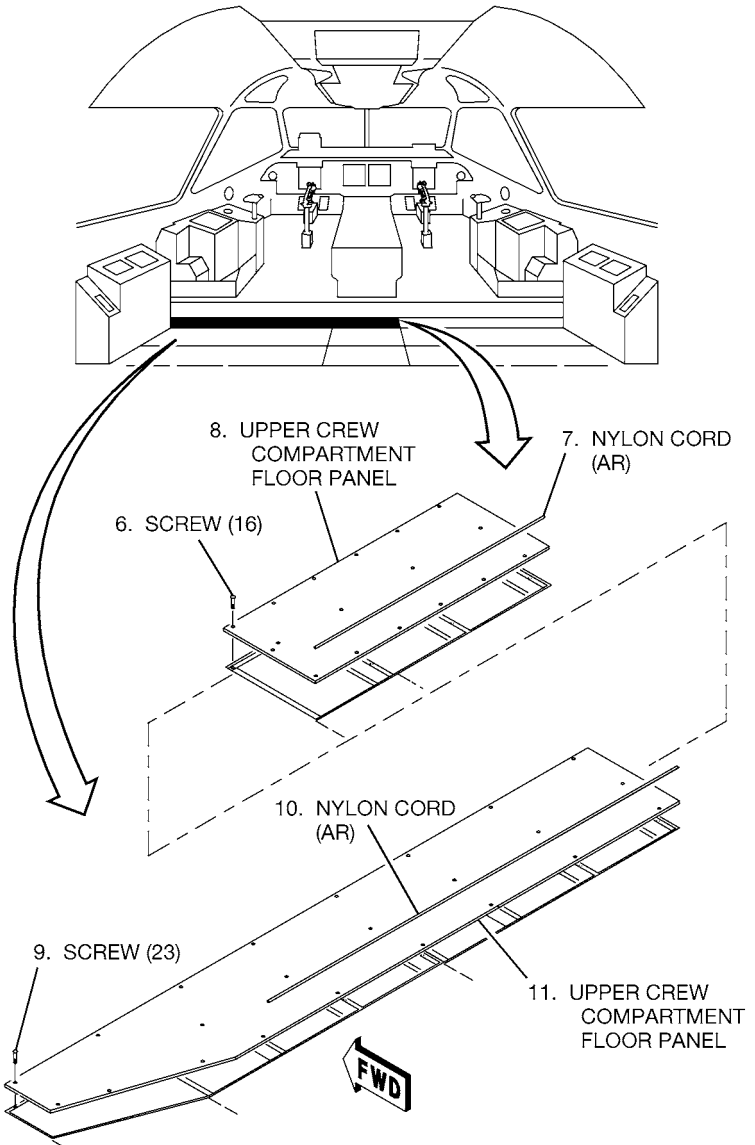
5. Open **FCC 1** circuit breaker on overhead circuit breaker panel, row **H**, column **27**, and attach warning tag.



ICN-88277-G2711143-003-01

TO 1300i-2-27JG-10-4

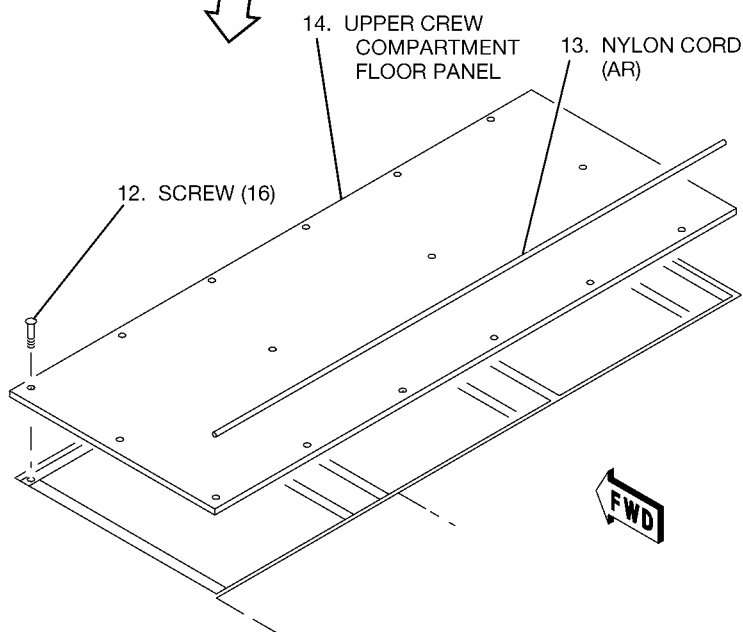
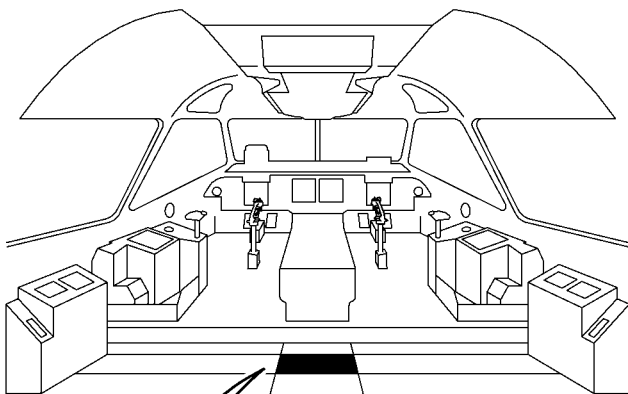
6. Remove screws from upper crew compartment floor panel (217AZY).
7. Remove and discard nylon cords.
8. Remove upper crew compartment floor panel.
9. Remove screws from upper crew compartment floor panel (215BZY).
10. Remove and discard nylon cords.
11. Remove upper crew compartment floor panel.



ICN-88277-G2711038-004-01

TO 1300i-2-27JG-10-4

12. Remove screws from upper crew compartment floor panel (217BZY).
13. Remove and discard nylon cords.
14. Remove upper crew compartment floor panel.

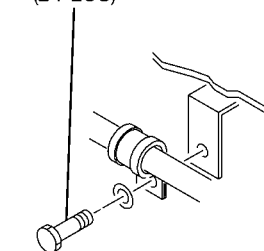


ICN-88277-G2711408-003-01

2-2. REMOVAL.

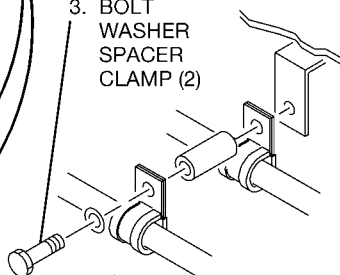
1. Disconnect electrical connectors.
2. Remove bolts, washers, and clamps.
3. Remove bolt, washer, spacer, and clamps.

2. BOLT
WASHER
CLAMP
(2 PLCS)

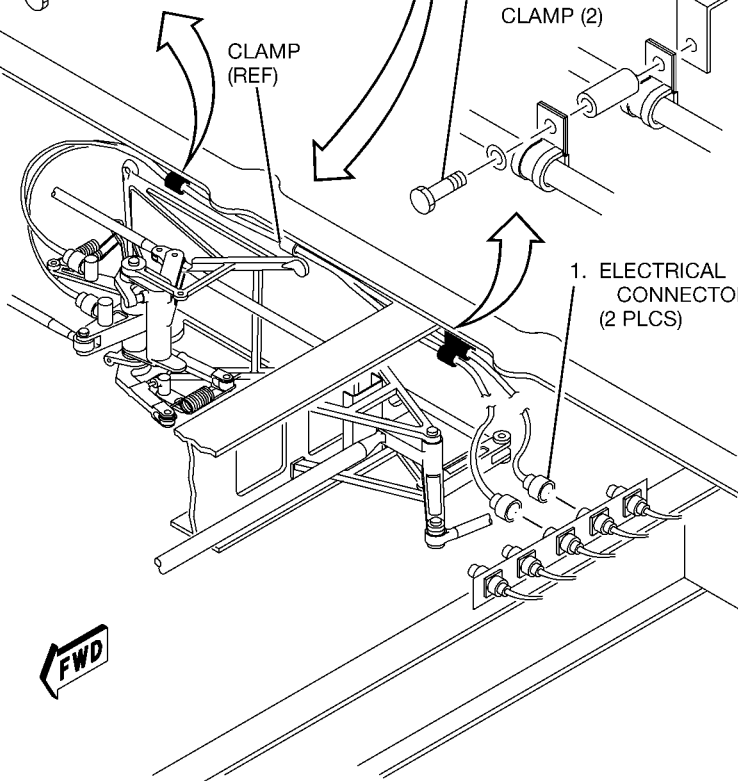


CLAMP
(REF)

3. BOLT
WASHER
SPACER
CLAMP (2)



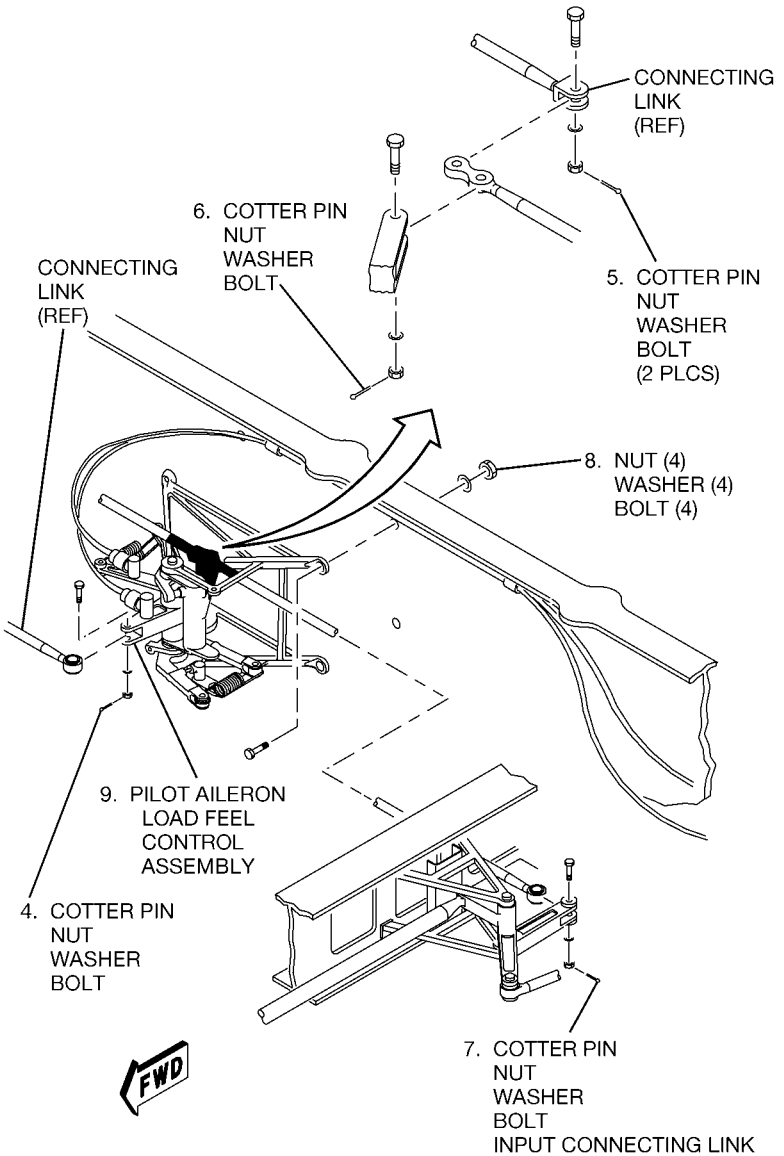
1. ELECTRICAL
CONNECTOR
(2 PLCS)



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TO 1300i-2-27JG-10-4

4. Remove cotter pin, nut, washer, and bolt from connecting link.
5. Remove cotter pins, nuts, washers, and bolts from connecting link.
6. Remove cotter pin, nut, washer, and bolt.
7. Remove cotter pin, nut, washer, bolt, and input connecting link.
8. Identify and remove nuts, washers, and bolts.
9. Remove pilot aileron load feel control assembly.



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2-3. FOLLOW-ON MAINTENANCE.

1. Remove electrical connectors from aileron position-rotary variable differential transducer sensors (TO 1-1A-14).

**PILOT AILERON LOAD FEEL CONTROL
ASSEMBLY INSTALLATION
(27-11-13-3)**

FUNCTIONAL INPUT CONDITIONS:

Applicability:	Task
All	All

Additional information:

This procedure consists of the following tasks:

- 3-1. Preparation.
- 3-2. Installation.
- 3-3. Follow-on maintenance.

Additional data:	Task
TO 1-1A-14	3-1
TO 1300i-2-05JG-10-1	3-3
TO 1300i-2-22JG-10-1	3-3
TO 1300i-2-27JG-10-1	3-3
TO 1300i-2-40JG-20-1	3-3
TO 1300i-2-53JG-20-1	3-3
TO 1300i-23	3-2, 3-3

Personnel recommended:	Task
One	All

Safety conditions:	Task
NA	--

Support equipment:

<u>Nomenclature</u>	<u>PN</u>	<u>Specification</u>	<u>Qty</u>	<u>Task</u>
NA	--	--	--	--

Supplies:

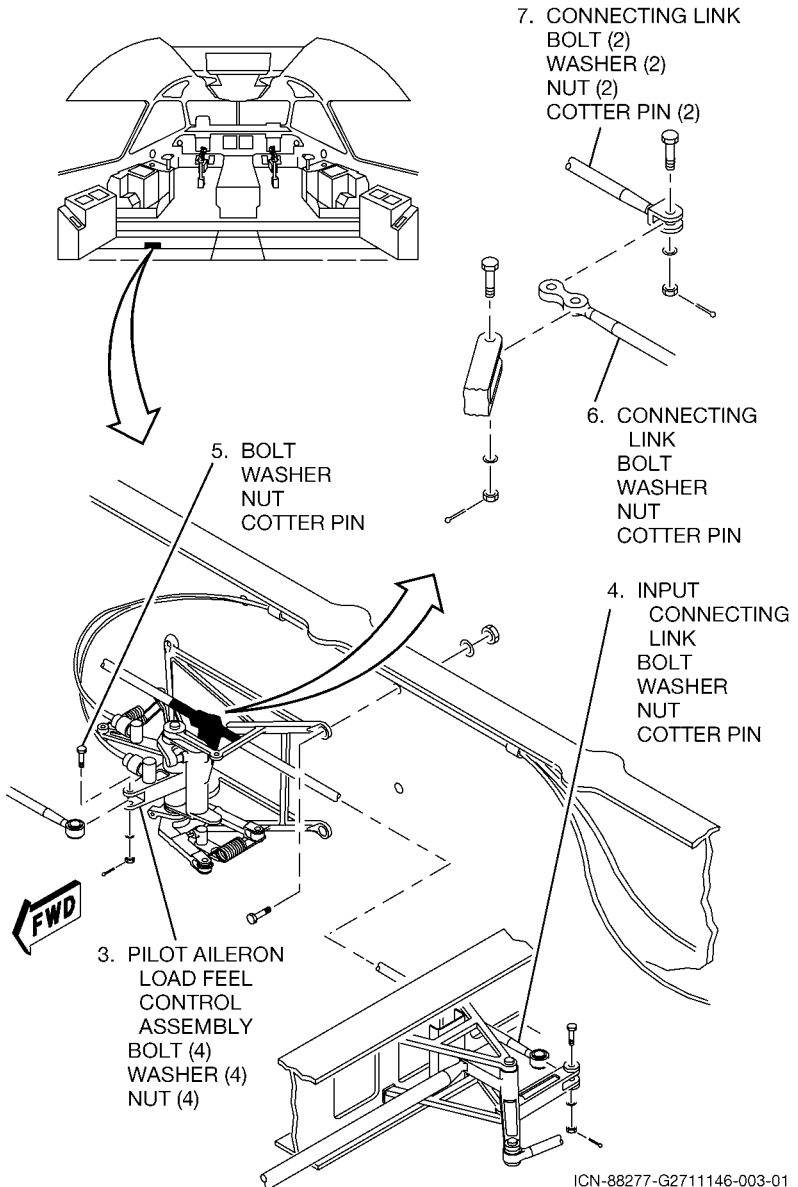
<u>Nomenclature</u>	<u>PN</u>	<u>Specification</u>	<u>Qty</u>	<u>Task</u>
Pin, Cotter	MS24665-151	--	5	3-2
Sealant	PR-1775 B-2	AMS 3265	AR	3-2

3-1. PREPARATION.

1. Review "Section 1 (General Information)" of this TO for system general warnings, cautions, and notes.
2. Review task "Functional Input Conditions" page for task specific safety conditions.
3. $\langle \text{AA} \rangle \rightarrow \langle \text{BH} \rangle$ Install electrical connectors on aileron position-rotary variable differential transducer sensors (TO 1-1A-14).

3-2. INSTALLATION.

1. Perform faying surface sealing (TO 1300i-23, Chapter 1, Section III).
2. Perform wet fastener installation using AMS 3265 (TO 1300i-23, Chapter 1, Section III).
3. Position pilot aileron load feel control assembly and install bolts, washers, and nuts; as identified.
4. Position input connecting link; install bolt, washer, nut, and cotter pin.
5. Install bolt, washer, nut, and cotter pin.
6. Position connecting link; install bolt, washer, nut, and cotter pin.
7. Position connecting link; install bolts, washers, nuts, and cotter pins.



ICN-88277-G2711146-003-01

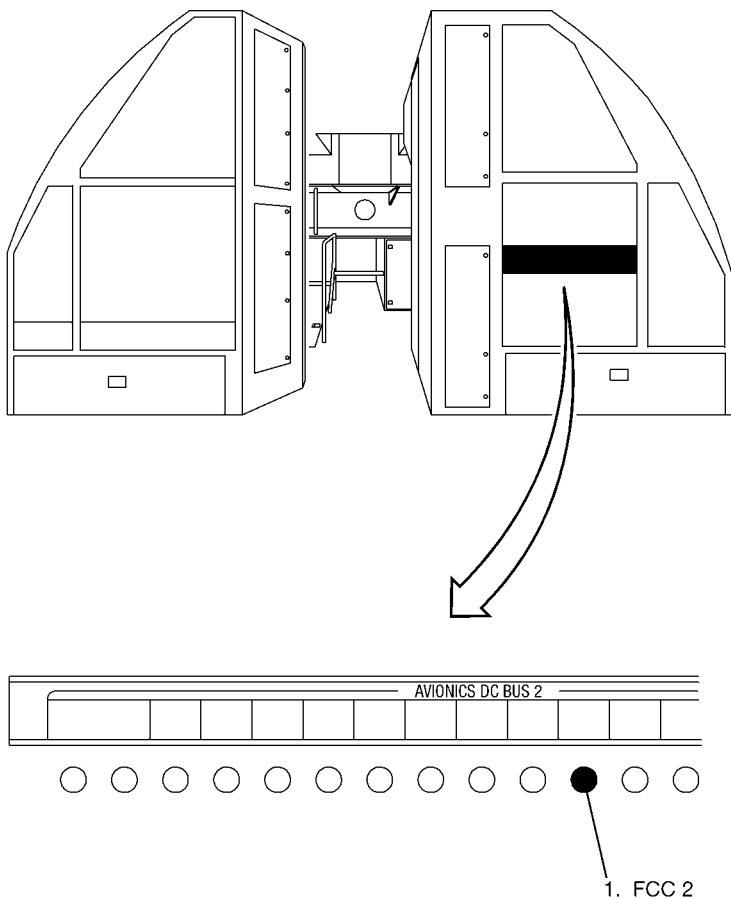
TO 1300i-2-27JG-10-4

- 8. Perform wet fastener installation using AMS 3265 (TO 1300i-23, Chapter 1, Section III).
- 9. Install clamps, washers, and bolts.
- 10. Install spacer, clamps, washer, and bolt.
- 11. Connect electrical connectors as follows:

CONNECTOR REF DES	JUNCTION
2715PP001	2715JE001
2715PP003	2715JE003

3-3. FOLLOW-ON MAINTENANCE.

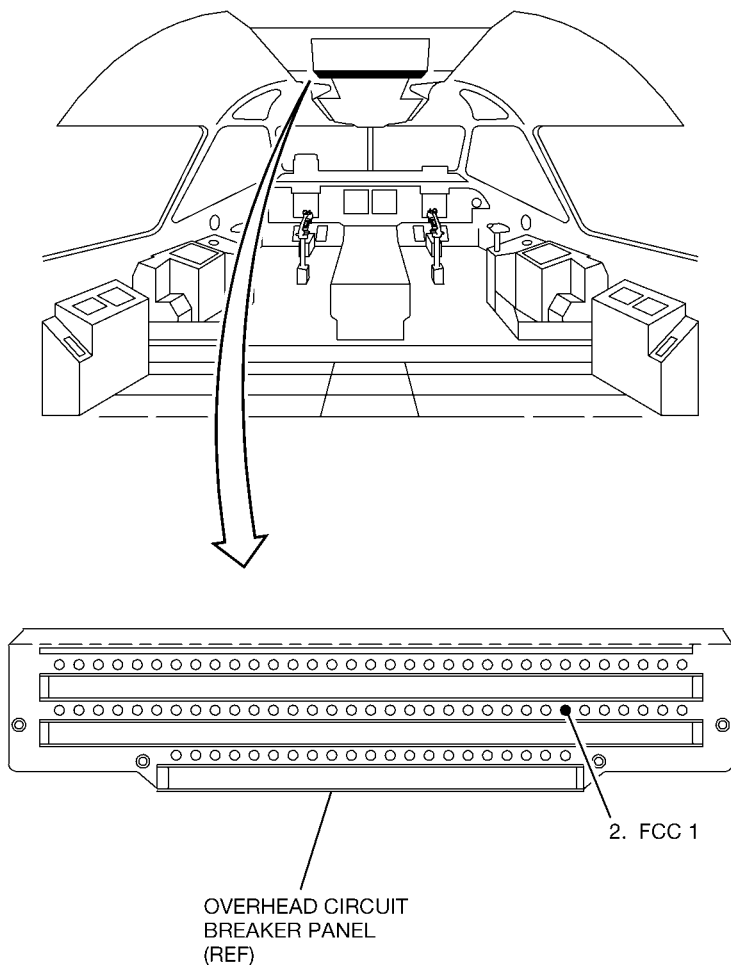
1. Remove warning tag and close **FCC 2** circuit breaker on Electrical Power Center (EPC), row **T**, column **50**.



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TO 1300i-2-27JG-10-4

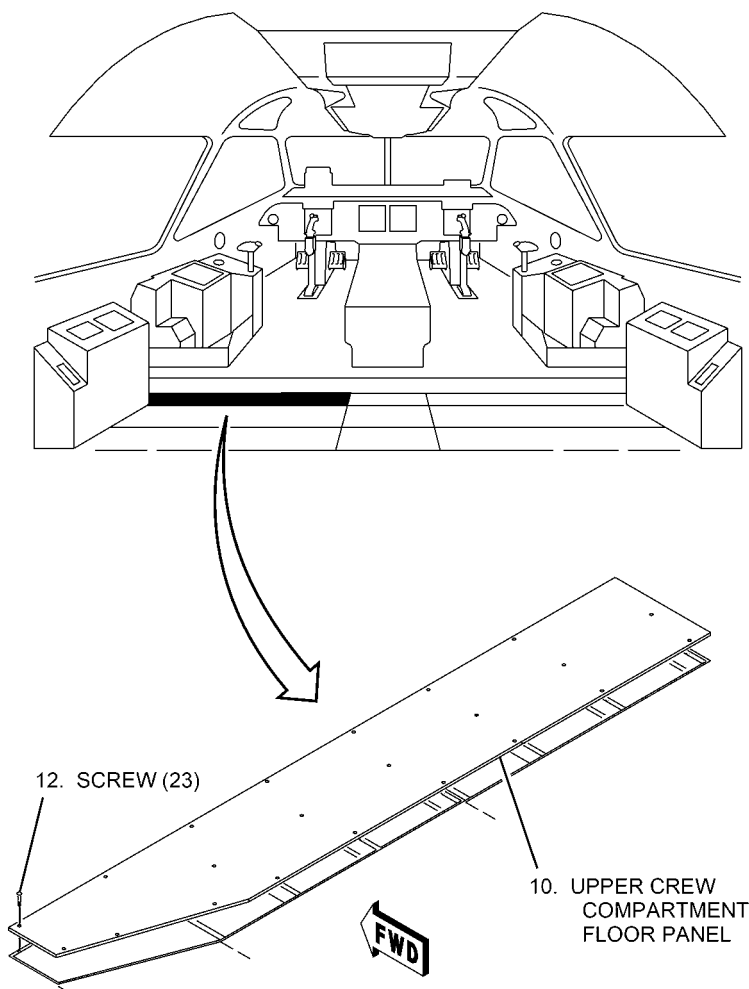
2. Remove warning tag and close **FCC 1** circuit breaker on overhead circuit breaker panel, row **H**, column **27**.
3. Remove aileron aircraft ground safety lock (05-10-01, task 01-4).
4. Operate maintenance monitor panel (40-21-02, task 02-2).
5. Perform control stick sensor assembly operational checkout (22-15-13).
6. Perform aileron mechanical controls and surfaces system operational checkout (27-11-01, task 01-1).
7. Perform aileron rotary variable differential transducer position sensor adjustment (27-15-10, task 5-1).



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TO 1300i-2-27JG-10-4

8. Perform upper crew compartment floor panel installation (217BZY and 217AZY) (53-21-10, task 3-1).
9. Perform floor panel sealing (TO 1300i-23, Chapter 1, Section III).
10. Position upper crew compartment floor panel (215BZY).
11. Perform fastener head sealing (TO 1300i-23, Chapter 1, Section III).
12. Install screws.



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27-11-13-3
2-77/(2-78 blank)

**PILOT AILERON LOAD FEEL CONTROL
ASSEMBLY REPAIR
(27-11-13-4)**

FUNCTIONAL INPUT CONDITIONS:

Applicability:	Task
All	All

Additional information:

This procedure consists of the following task:

- 4-1. Repair pilot aileron load feel control assembly by replacing spring.

Additional data:	Task
TO 1300i-2-05JG-10-1	All
TO 1300i-2-27JG-10-1	All
TO 1300i-2-53JG-20-1	All

Personnel recommended:	Task
One	All

Safety conditions:	Task
NA	--

Support equipment:

<u>Nomenclature</u>	<u>PN</u>	<u>Specification</u>	<u>Qty</u>	<u>Task</u>
NA	--	--	--	--

Supplies:

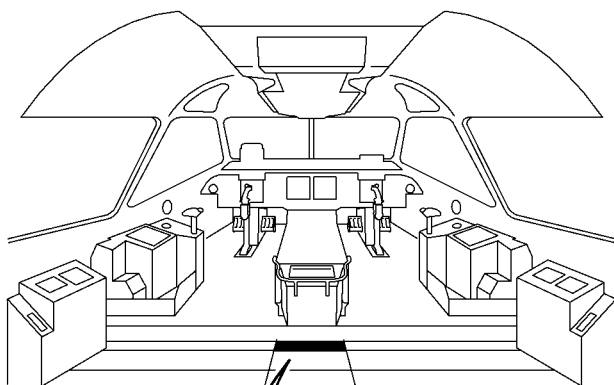
<u>Nomenclature</u>	<u>PN</u>	<u>Specification</u>	<u>Qty</u>	<u>Task</u>
NA	--	--	--	--

4-1. REPAIR PILOT AILERON LOAD FEEL CONTROL ASSEMBLY BY REPLACING SPRING.

NOTE

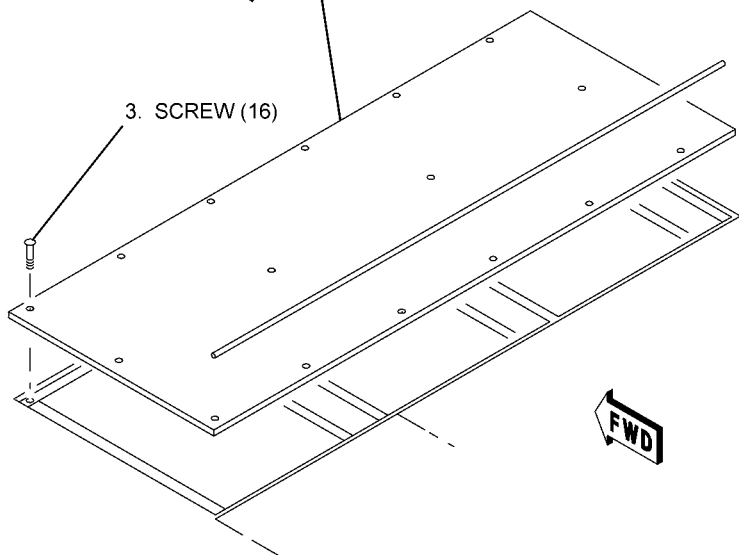
This is a typical repair task for all pilot aileron load feel control assembly springs.

1. Review "Section 1 (General Information)" of this TO for system general warnings, cautions, and notes.
2. Review task "Functional Input Conditions" page for task specific safety conditions.
- 2A. Install aileron aircraft ground safety lock (05-10-01, task 01-3).
3. Remove screws from upper crew compartment floor panel (217AZY).
4. Remove floor panel.



4. UPPER CREW
COMPARTMENT
FLOOR PANEL

3. SCREW (16)



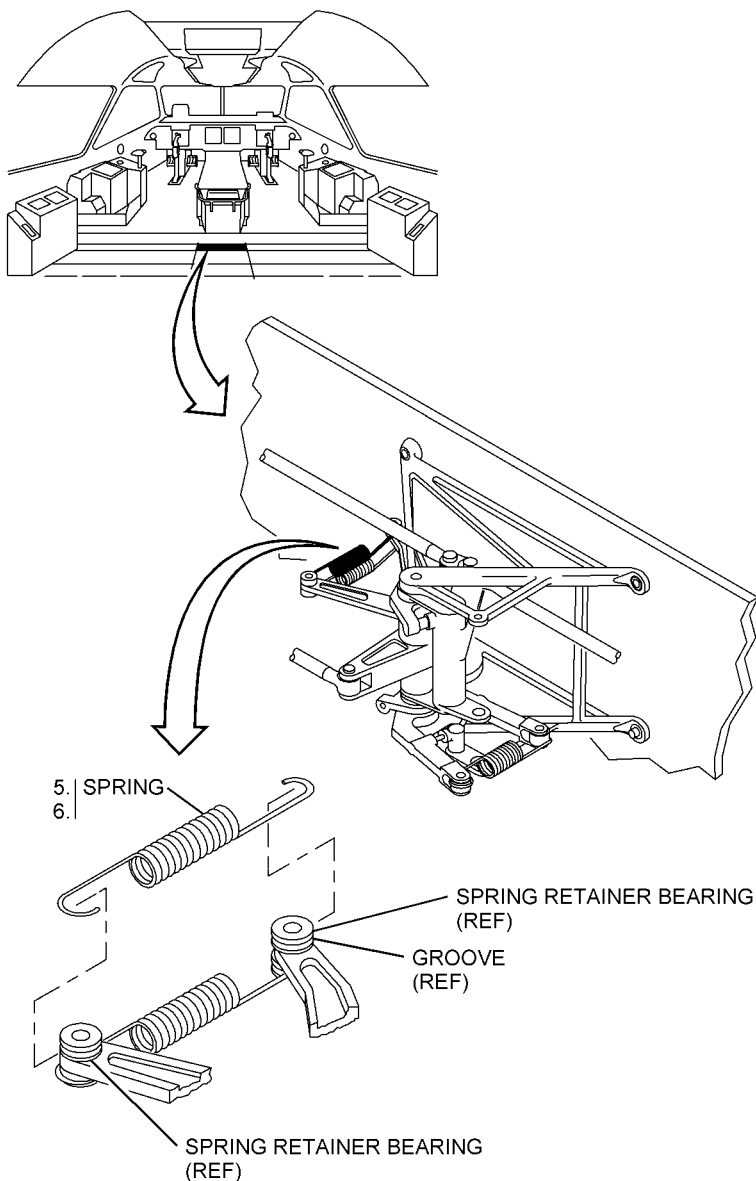
ICN-88277-G2711517-004-01

5. Remove spring from spring retainer bearings.

NOTE

Aileron load feel control assembly springs shall always be replaced in pairs with matching part numbers and dash numbers.

6. Install spring on retainer bearing groove.
 - 6A. Remove aileron aircraft ground safety lock (05-10-01, task 01-4).
 - 6B. Perform aileron mechanical controls breakout force system operational checkout (27-11-01, task 01-2).
7. Install upper crew compartment floor panel (217AZY) (53-21-10).



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COPILOT AILERON LOAD FEEL CONTROL ASSEMBLY (27-11-14)

MASTER INPUT CONDITIONS:

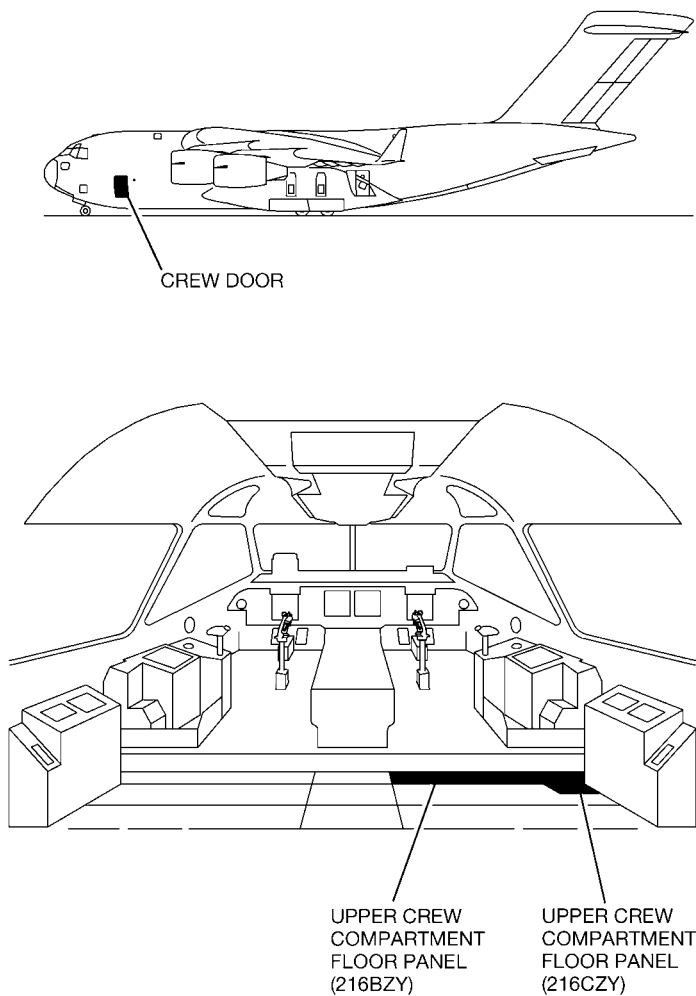
Reference designators:

2711AA018 Copilot Aileron Load Feel Control Assembly

Applicable functions:

- 2 Removal.
- 3 Installation.
- 4 Repair.

Access data:



ICN-88277-G2711035-004-01

**COPILOT AILERON LOAD FEEL CONTROL
ASSEMBLY REMOVAL
(27-11-14-2)**

FUNCTIONAL INPUT CONDITIONS:

Applicability:	Task
All	All

Additional information:

This procedure consists of the following tasks:

- 2-1. Preparation.
- 2-2. Removal.
- 2-3. Follow-on maintenance.

Additional data:	Task
TO 1-1A-14	2-3
TO 1300i-2-05JG-10-1	2-1

Personnel recommended:	Task
One	All

Safety conditions:	Task
NA	--

Support equipment:

<u>Nomenclature</u>	<u>PN</u>	<u>Specification</u>	<u>Qty</u>	<u>Task</u>
NA	--	--	--	--

Supplies:

<u>Nomenclature</u>	<u>PN</u>	<u>Specification</u>	<u>Qty</u>	<u>Task</u>
Tag, Warning	--	--	8	2-1