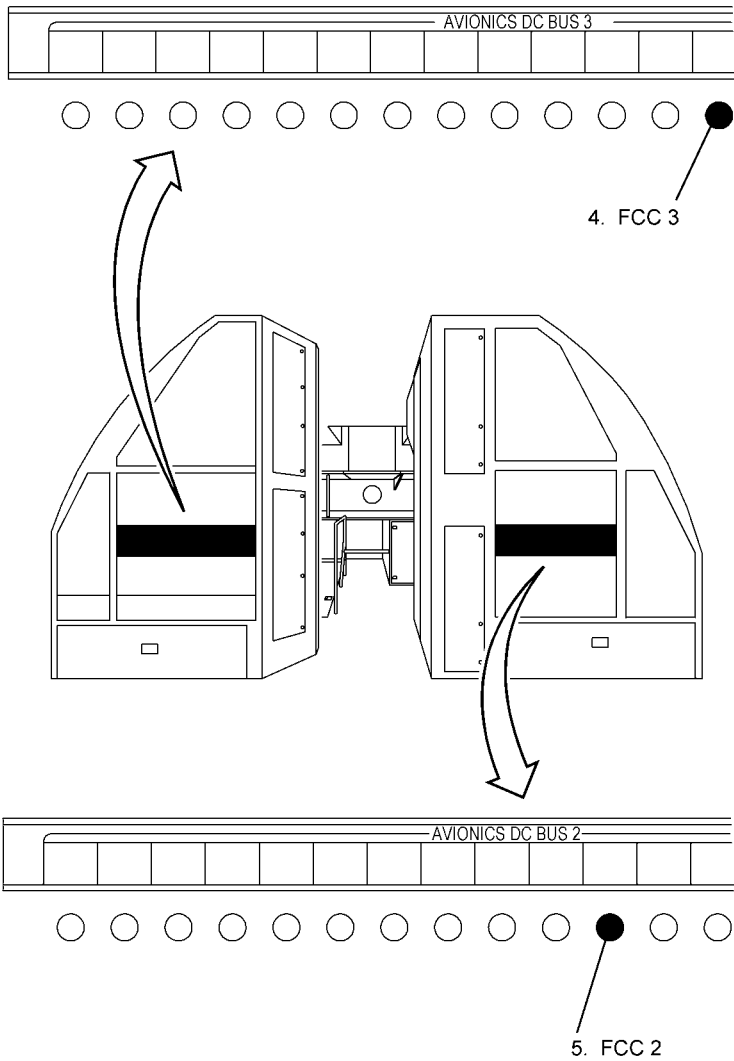


2-1. PREPARATION.

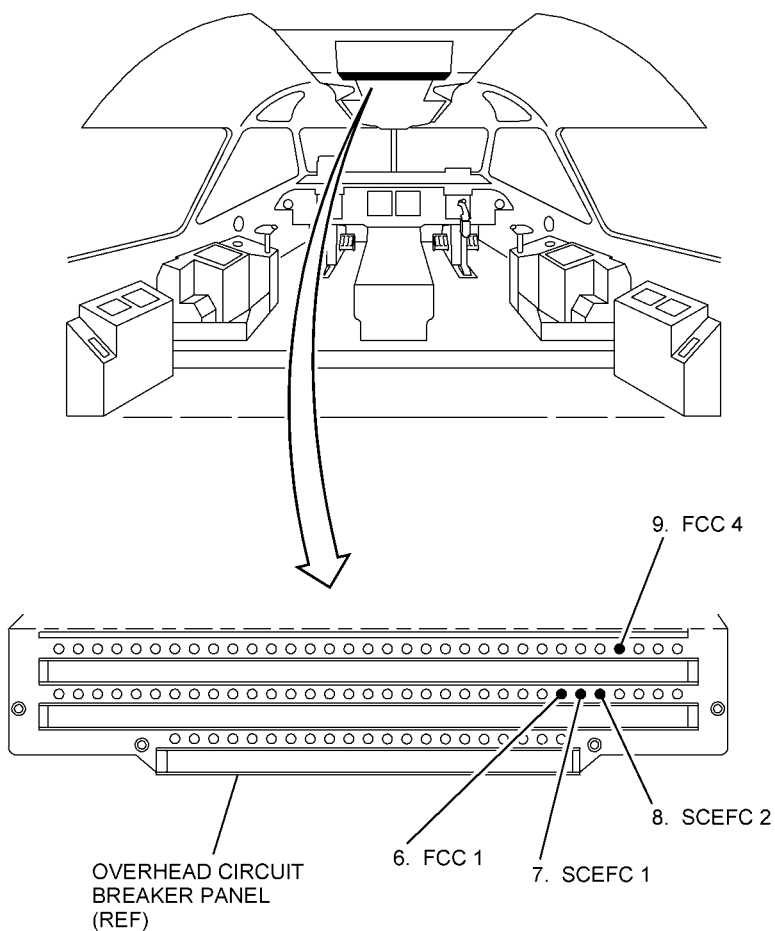
1. Review "Section 1 (General Information)" of this TO for system general warnings, cautions, and notes.
2. Review task "Functional Input Conditions" page for task specific safety conditions.
3. Install aileron aircraft ground safety lock (05-10-01, task 01-3).
4. Open **FCC 3** circuit breaker on Electrical Power Center (EPC), row **T**, column **24**, and attach warning tag.
5. Open **FCC 2** circuit breaker on EPC, row **T**, column **50**, and attach warning tag.



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

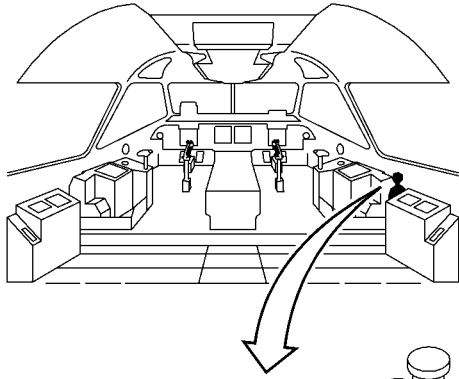
6. Open **FCC 1** circuit breaker on overhead circuit breaker panel, row **H**, column **27**, and attach warning tag.
7. Open **SCEFC 1** circuit breaker on overhead circuit breaker panel, row **H**, column **28**, and attach warning tag.
8. Open **SCEFC 2** circuit breaker on overhead circuit breaker panel, row **H**, column **29**, and attach warning tag.
9. Open **FCC 4** circuit breaker on overhead circuit breaker panel, row **G**, column **30**, and attach warning tag.



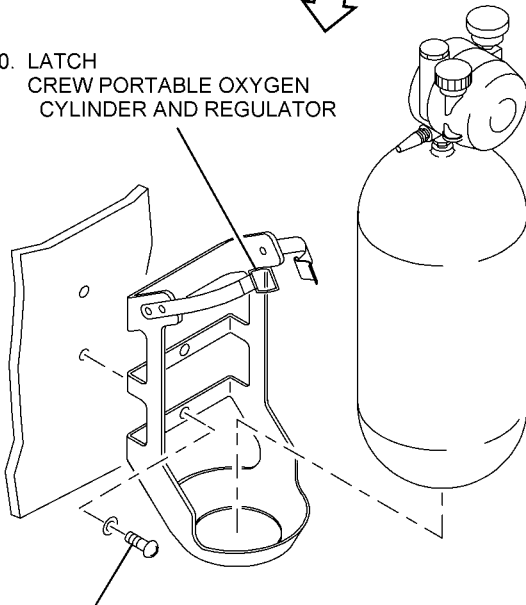
ICN-88277-G2711163-004-01

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

10. Release latch and remove crew portable oxygen cylinder and regulator.
11. Remove screws, washers, and bracket.



10. LATCH
CREW PORTABLE OXYGEN
CYLINDER AND REGULATOR





11. SCREW (2)
WASHER (2)
BRACKET

ICN-88277-G2711410-004-01

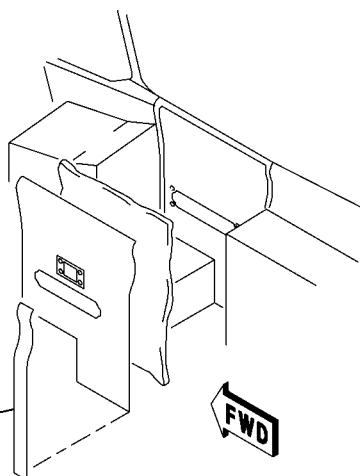
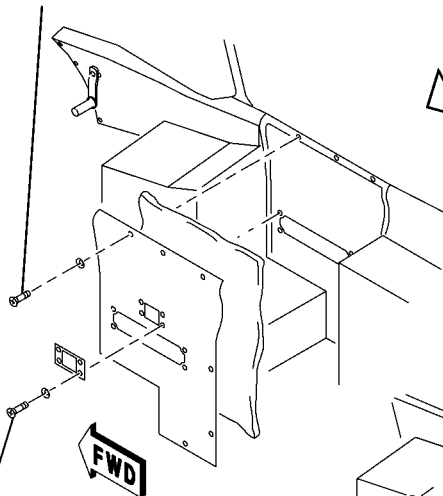
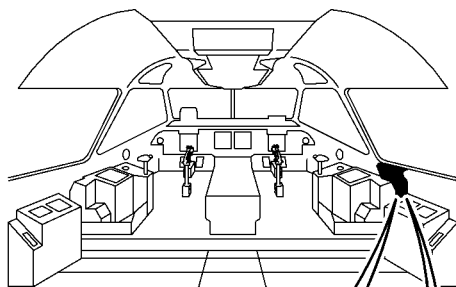
TO 1300i-2-27JG-10-4

12. Remove screws, washers, and light assembly.
13. $\langle \text{AA} \rangle \rightarrow \langle \text{BH} \rangle$ Remove screws, washers, liner assembly (214FZM), and insulation.
13. $\langle \text{BJ} \rangle \rightarrow$ Remove gap cover, liner assembly (214FZM), and insulation.

13.  → 
 SCREW (6)
 WASHER (6)
 LINER ASSEMBLY
 INSULATION

12. SCREW (4)
 WASHER (4)
 LIGHT ASSEMBLY

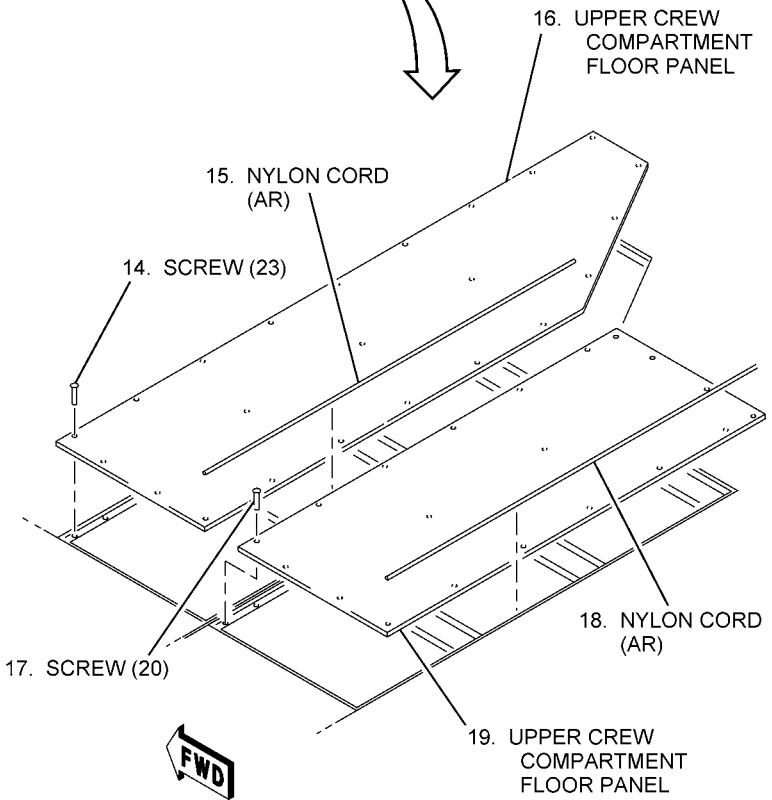
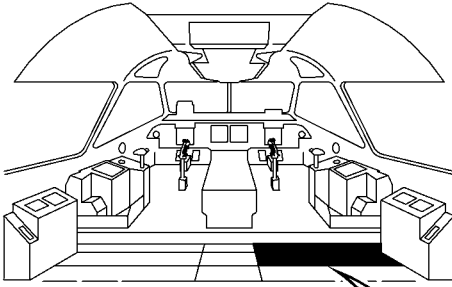
13.  →
 GAP COVER
 LINER ASSEMBLY
 INSULATION



ICN-88277-G2711409-005-01

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

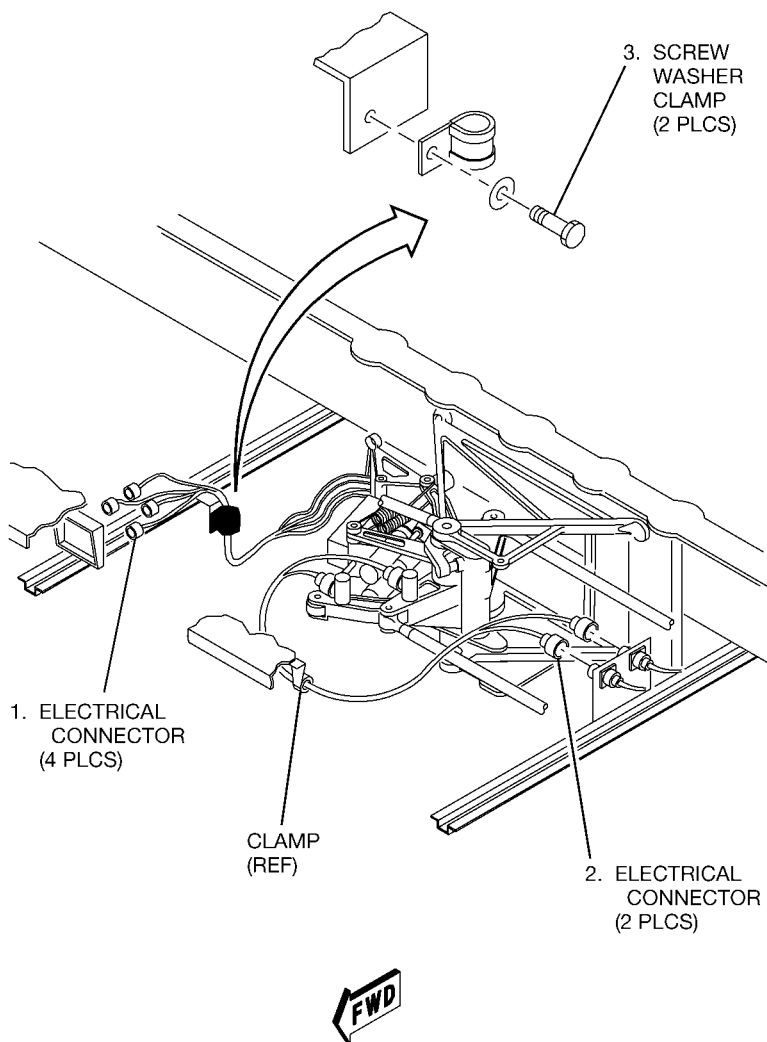
14. Remove screws from upper crew compartment floor panel (216BZY).
15. Remove and discard nylon cords.
16. Remove upper crew compartment floor panel.
17. Remove screws from upper crew compartment floor panel (216CZY).
18. Remove and discard nylon cords.
19. Remove upper crew compartment floor panel.



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2-2. REMOVAL.

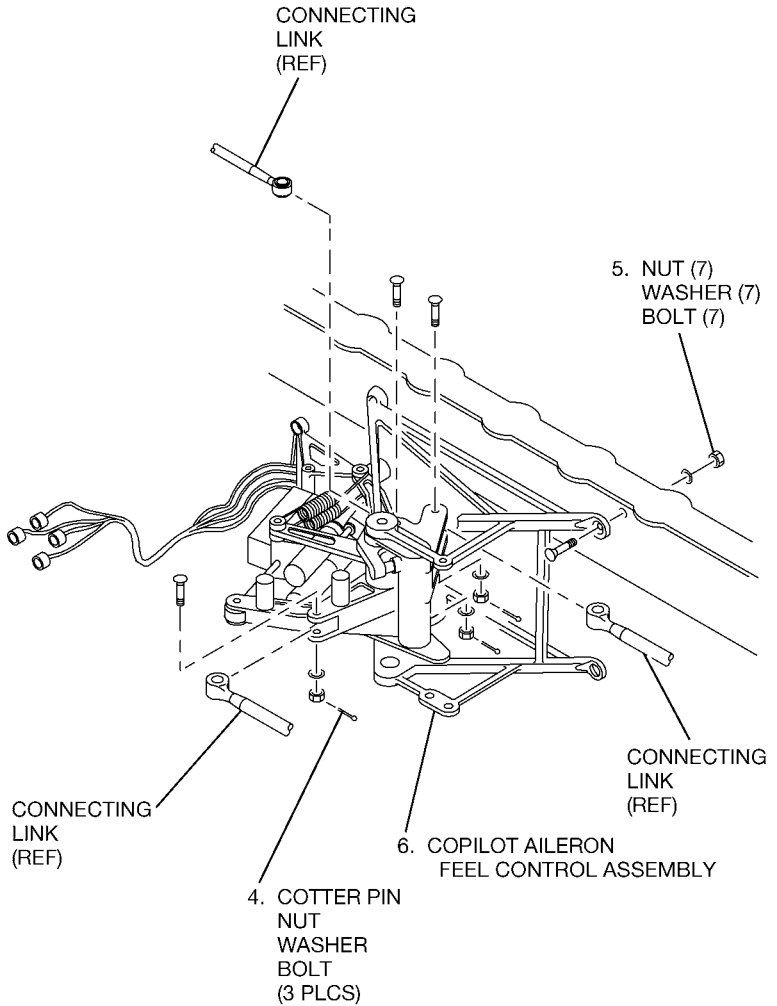
1. Disconnect electrical connectors.
2. Disconnect electrical connectors.
3. Remove screws, washers, and clamps.



ICN-88277-G2711377-004-01

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

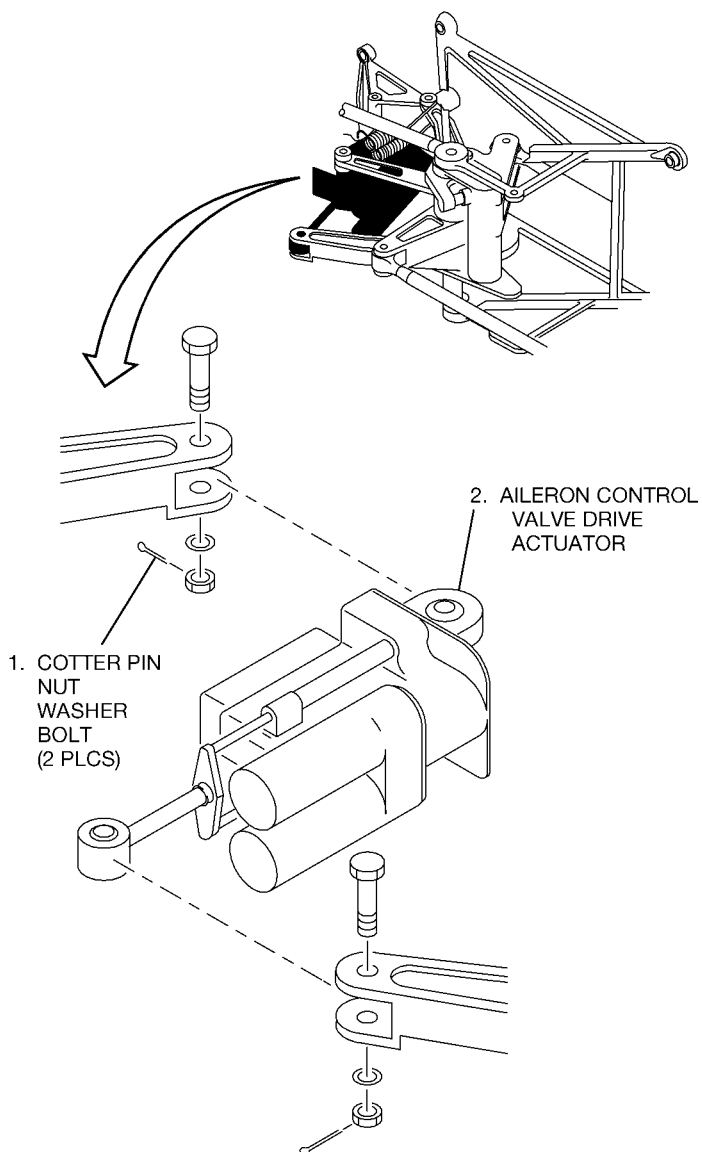
4. Remove cotter pins; identify and remove nuts, washers, and bolts from connecting links.
5. Identify and remove nuts, washers, and bolts.
6. Remove copilot aileron load feel control assembly.



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2-3. FOLLOW-ON MAINTENANCE.

1. Remove cotter pins, nuts, washers, and bolts.
2. Remove aileron control valve drive actuator.
3. $\langle \text{AA} \rangle \rightarrow \langle \text{BH} \rangle$ Remove electrical connectors from aileron stick position-rotary variable differential transducer sensors (TO 1-1A-14).



ICN-88277-G2711166-003-01

COPILOT AILERON LOAD FEEL CONTROL ASSEMBLY INSTALLATION (27-11-14-3)

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.

Additional data:

TO 1-1A-14

Task

3-1

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

3-3

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

3-3

TO 1300i-2-27JG-10-9

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:

One

Task

All

Safety conditions:

NA

Task

--

Support equipment:

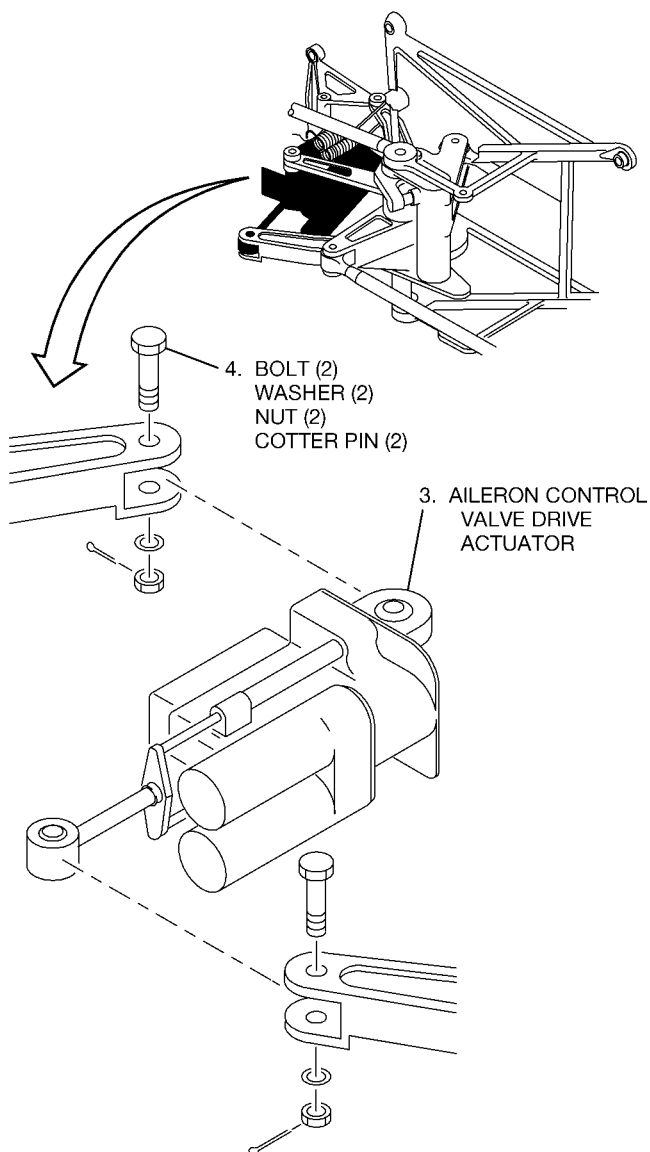
<u>Nomenclature</u>	<u>PN</u>	<u>Specification</u>	<u>Qty</u>	<u>Task</u>
NA	--	--	--	--

Supplies:

<u>Nomenclature</u>	<u>PN</u>	<u>Specification</u>	<u>Qty</u>	<u>Task</u>
Pin, Cotter	MS24665-151	--	2	3-1
Pin, Cotter	MS24665-151	--	3	3-2
Sealant	PR-1775 B-2	AMS 3265	AR	3-2

3-1. PREPARATION.

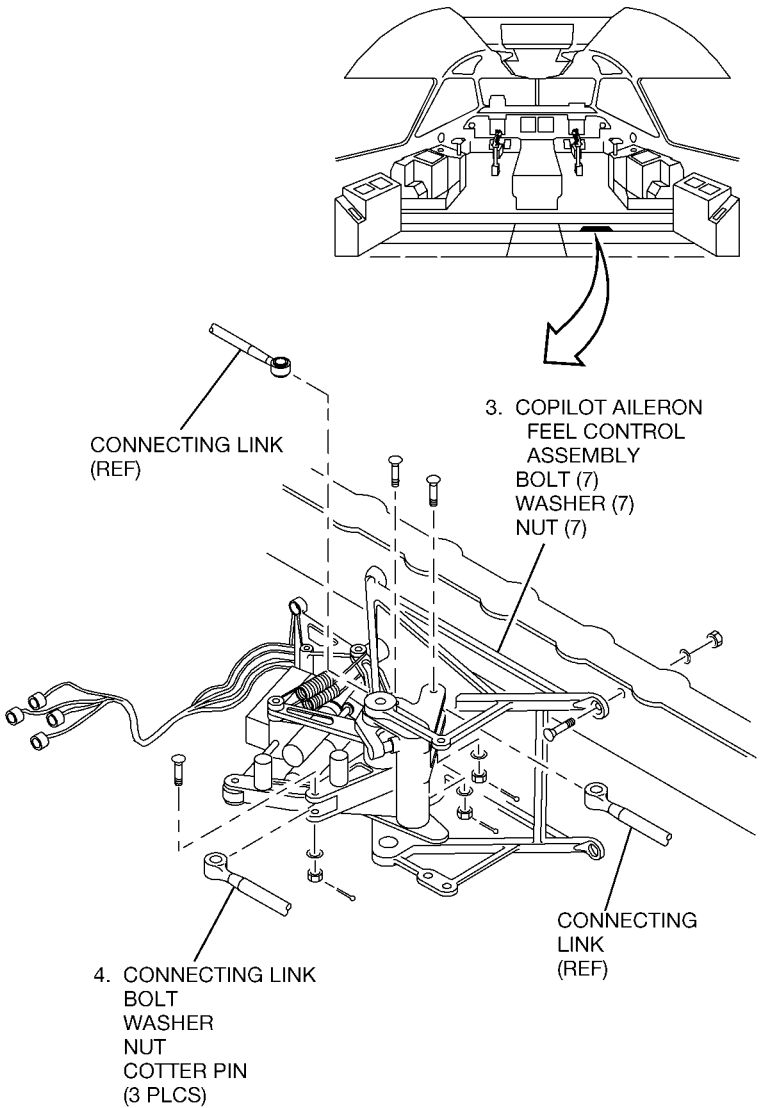
1. Review "Section 1 (General Information)" of this TO for system general warnings, cautions, and notes.
2. Review task "Functional Input Conditions" page for task specific safety conditions.
3. Position aileron control valve drive actuator.
4. Install bolts, washers, nuts, and cotter pins.
5. $\langle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



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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 copilot aileron load feel control assembly; install bolts, washers, and nuts; as identified.
4. Position connecting links and install bolts, washers, nuts, and cotter pins; as identified.



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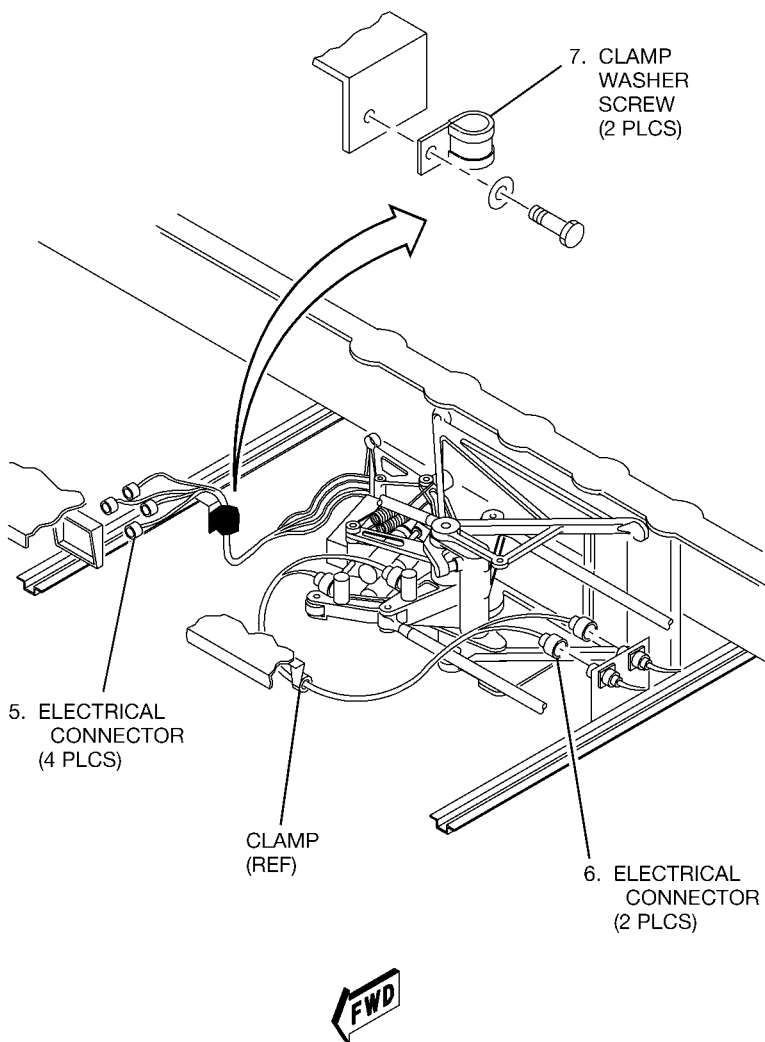
5. Connect electrical connectors as follows:

CONNECTOR REF DES	JUNCTION
2712PP001	2712JE001
2712PP002	2712JE002
2712PP005	2712JE005
2712PP006	2712JE006

6. Connect electrical connectors as follows:

CONNECTOR REF DES	JUNCTION
2715PP002	2715JE002
2715PP004	2715JE004

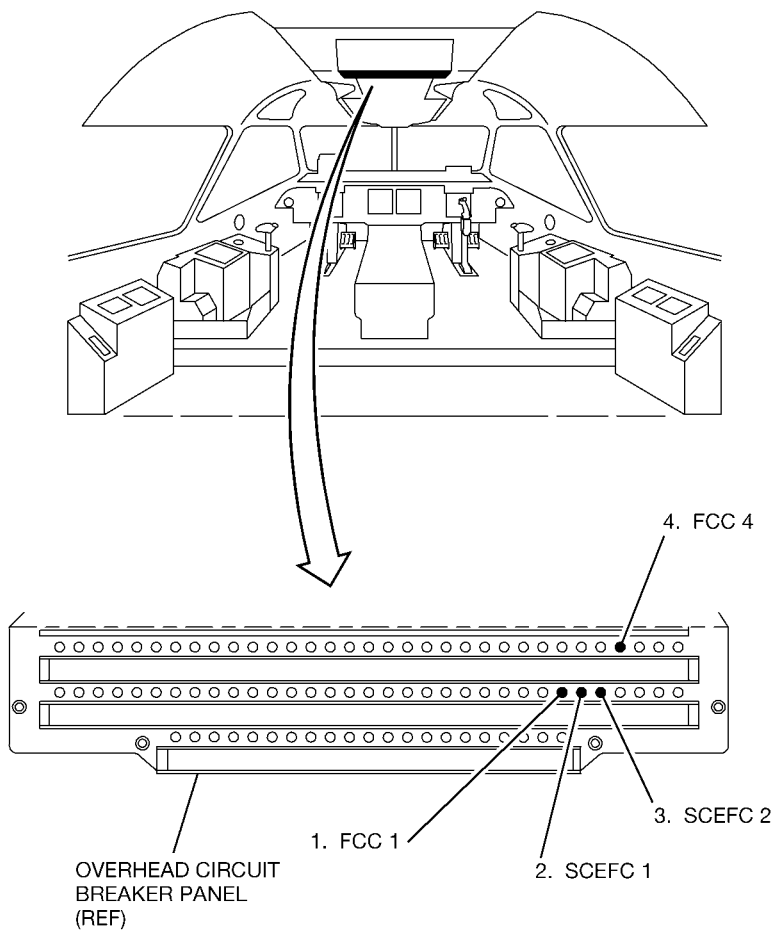
7. Install clamps, washers, and screws.



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3-3. FOLLOW-ON MAINTENANCE.

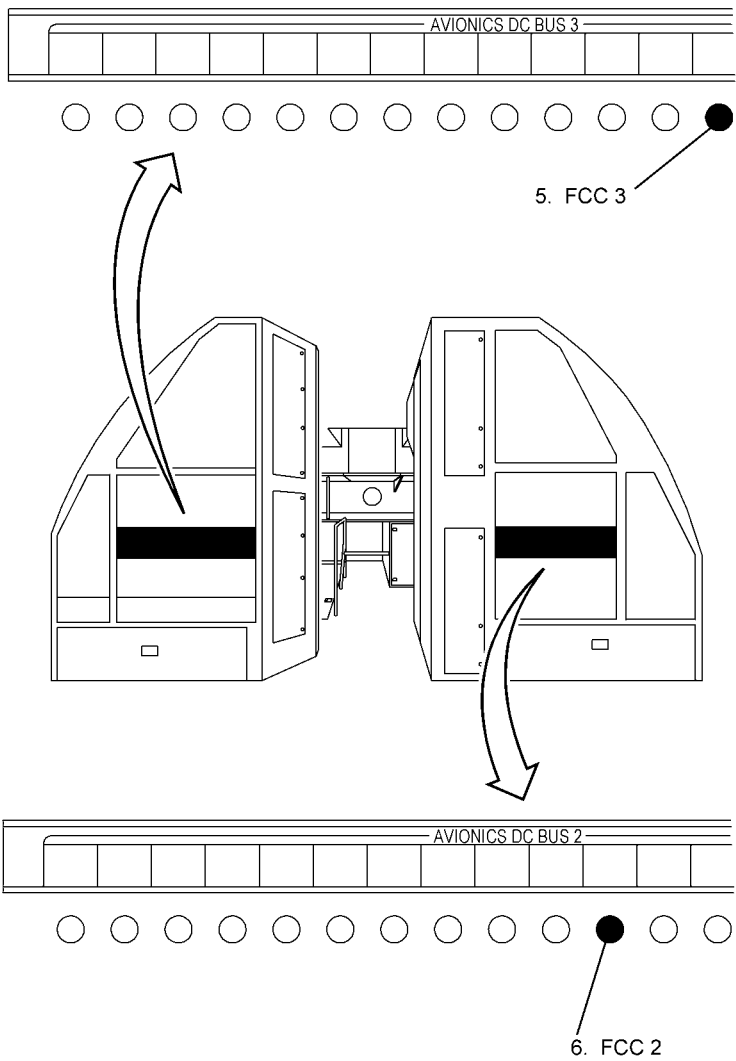
1. Remove warning tag and close **FCC 1** circuit breaker on overhead circuit breaker panel, row **H**, column **27**.
2. Remove warning tag and close **SCEFC 1** circuit breaker on overhead circuit breaker panel, row **H**, column **28**.
3. Remove warning tag and close **SCEFC 2** circuit breaker on overhead circuit breaker panel, row **H**, column **29**.
4. 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-10-4

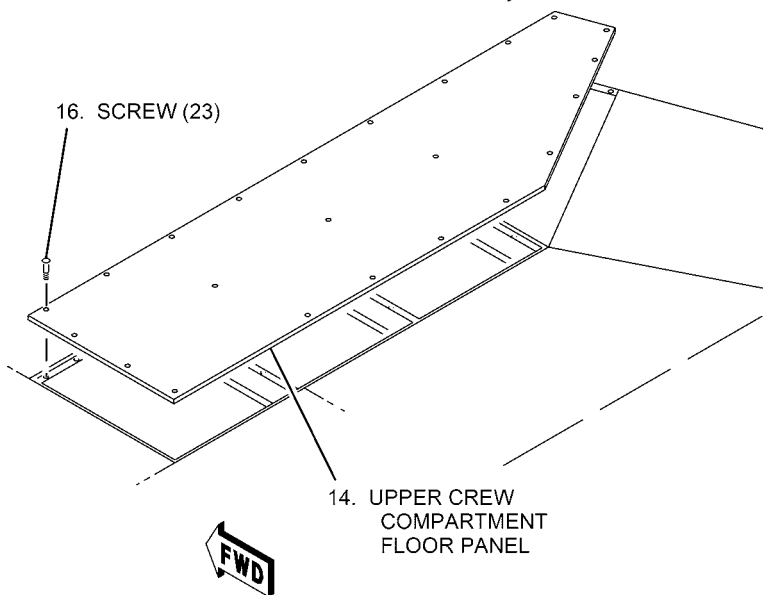
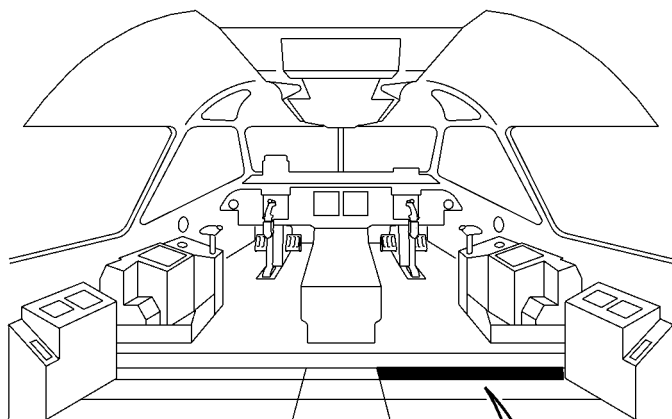
5. Remove warning tag and close **FCC 3** circuit breaker on Electrical Power Center (EPC), row **T**, column **24**.
6. Remove warning tag and close **FCC 2** circuit breaker on EPC, row **T**, column **50**.
7. Remove aileron aircraft ground safety lock (05-10-01, task 01-4).
8. Operate maintenance monitor panel (40-21-02, task 02-2).
9. Perform aileron trim system operational checkout (27-12-01).
10. Perform aileron mechanical controls and surfaces system operational checkout (27-11-01, task 01-1).
11. 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

12. Perform upper crew compartment floor panel installation (216CZY) (53-21-10, task 3-1).
13. Perform floor panel sealing (TO 1300i-23, Chapter 1, Section III).
14. Position upper crew compartment floor panel (216BZY).
15. Perform fastener head sealing (TO 1300i-23, Chapter 1, Section III).
16. Install screws.



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**COPILOT AILERON LOAD FEEL CONTROL
ASSEMBLY REPAIR
(27-11-14-4)**

FUNCTIONAL INPUT CONDITIONS:

Applicability:	Task
All	All

Additional information:

This procedure consists of the following task:

- 4-1. Repair copilot 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
TO 1300i-23	All

Personnel recommended:	Task
One	All

Safety conditions:	Task
NA	--

Support equipment:

Nomenclature

PN

Specification

Qty

Task

NA

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Supplies:

Nomenclature

PN

Specification

Qty

Task

NA

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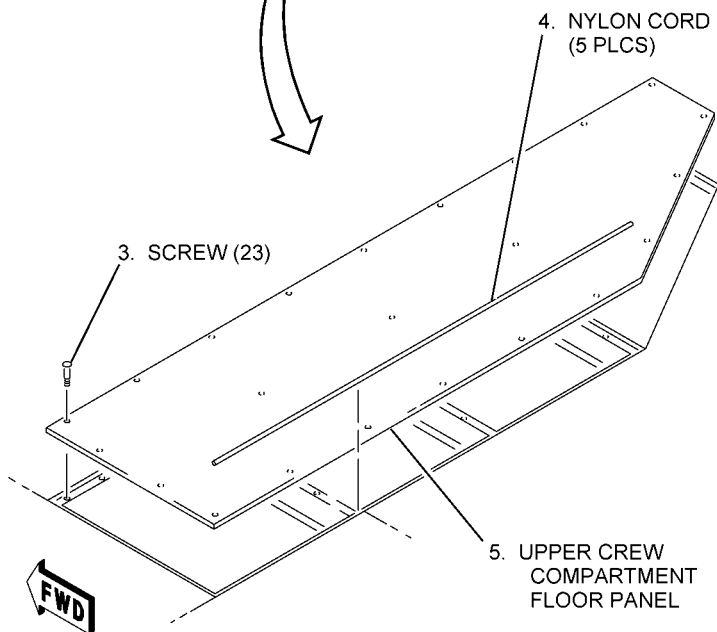
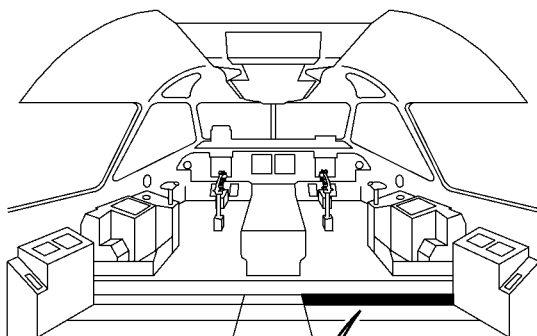
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4-1. REPAIR COPILOT AILERON LOAD FEEL CONTROL ASSEMBLY BY REPLACING SPRING.

NOTE

This is a typical repair task for all copilot 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 (216BZY).
4. Remove and discard nylon cords.
5. Remove upper crew compartment floor panel.



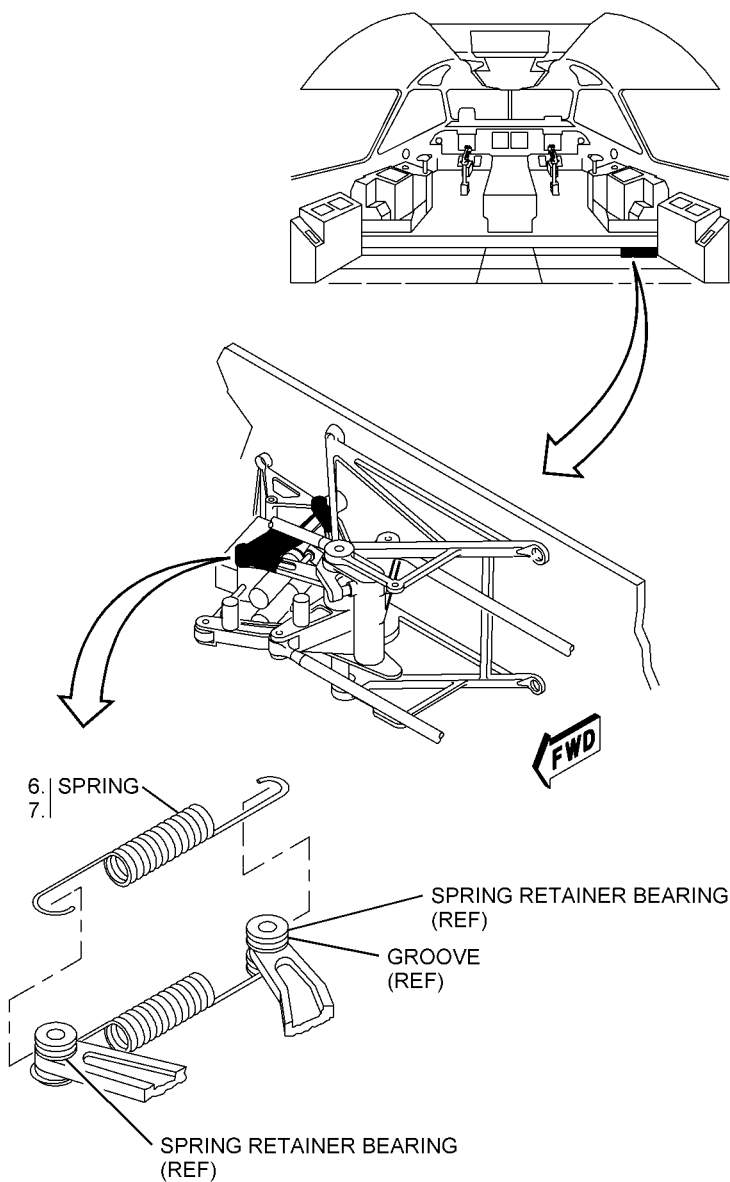
ICN-88277-G2711171-003-01

6. 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.

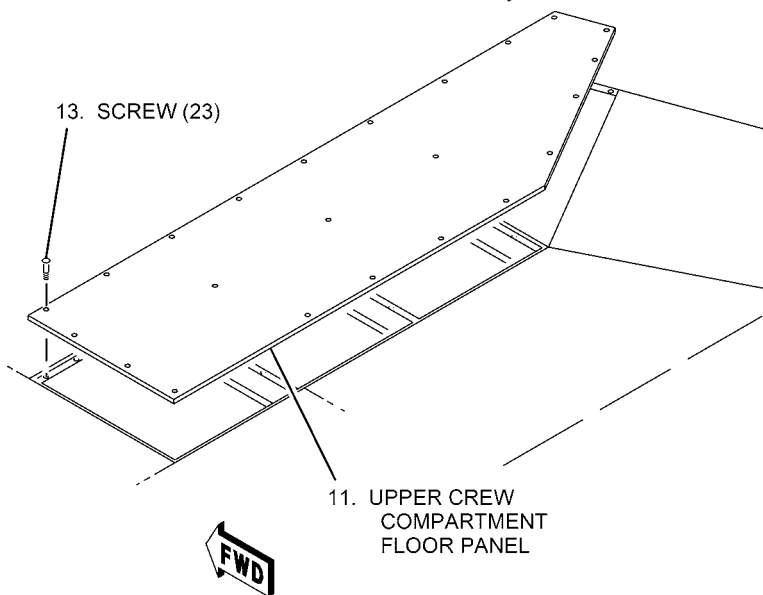
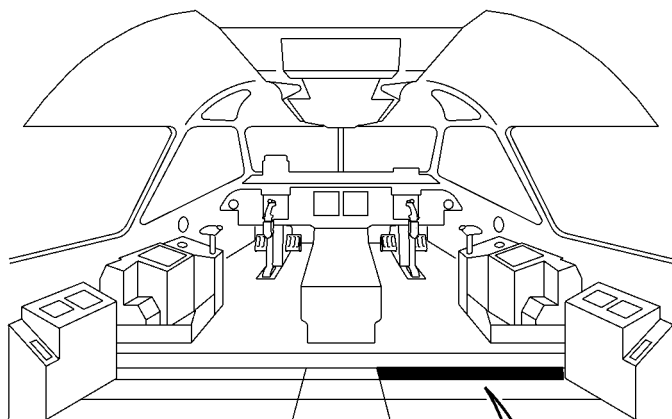
7. Install spring on retainer bearing groove.
8. Remove aileron aircraft ground safety lock (05-10-01, task 01-4).



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

9. Perform aileron mechanical controls breakout force system operational checkout (27-11-01, task 01-2).
10. Perform floor panel sealing (TO 1300i-23, Chapter 1, Section III).
11. Position upper crew compartment floor panel (216BZY).
12. Perform fastener head sealing (TO 1300i-23, Chapter 1, Section III).
13. Install screws.



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