

ICN-88277-G2700033-005-01

9. Rotate **FLAPS** switch on **FCS ACTR** panel to **EFCS**.
10. Press **EFCS RESET** button.

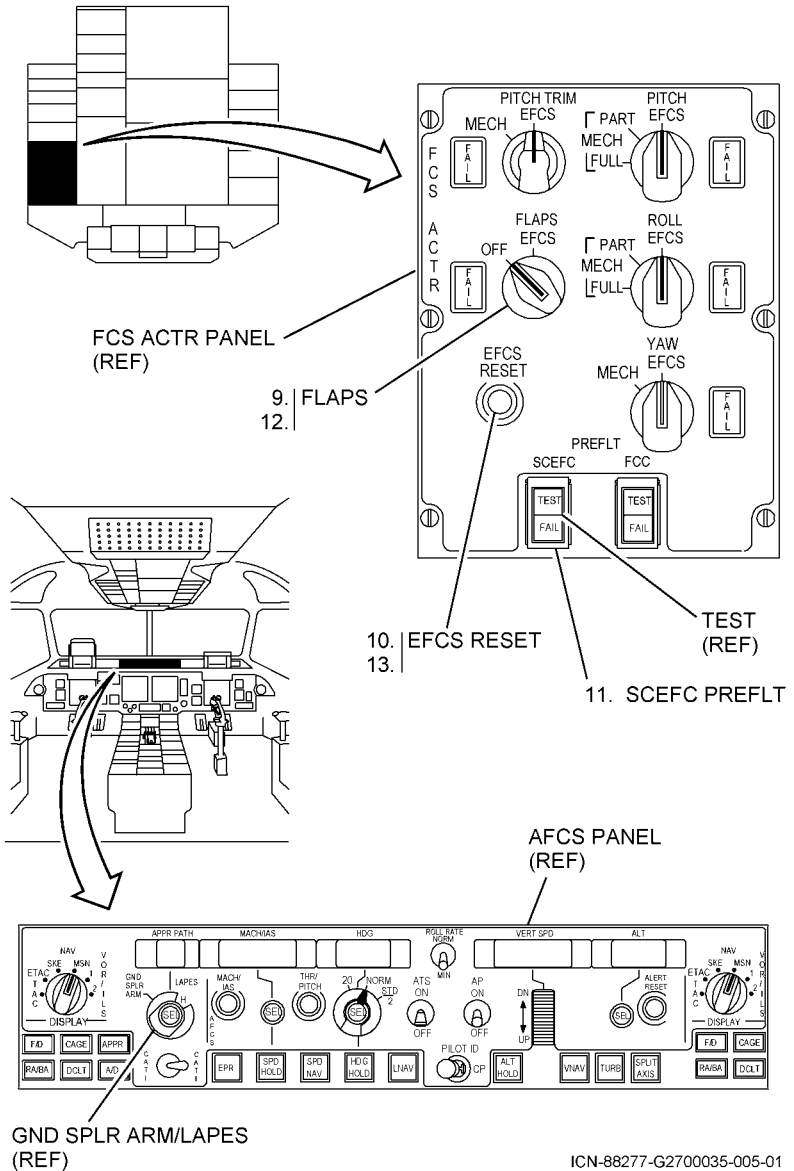
**WARNING**

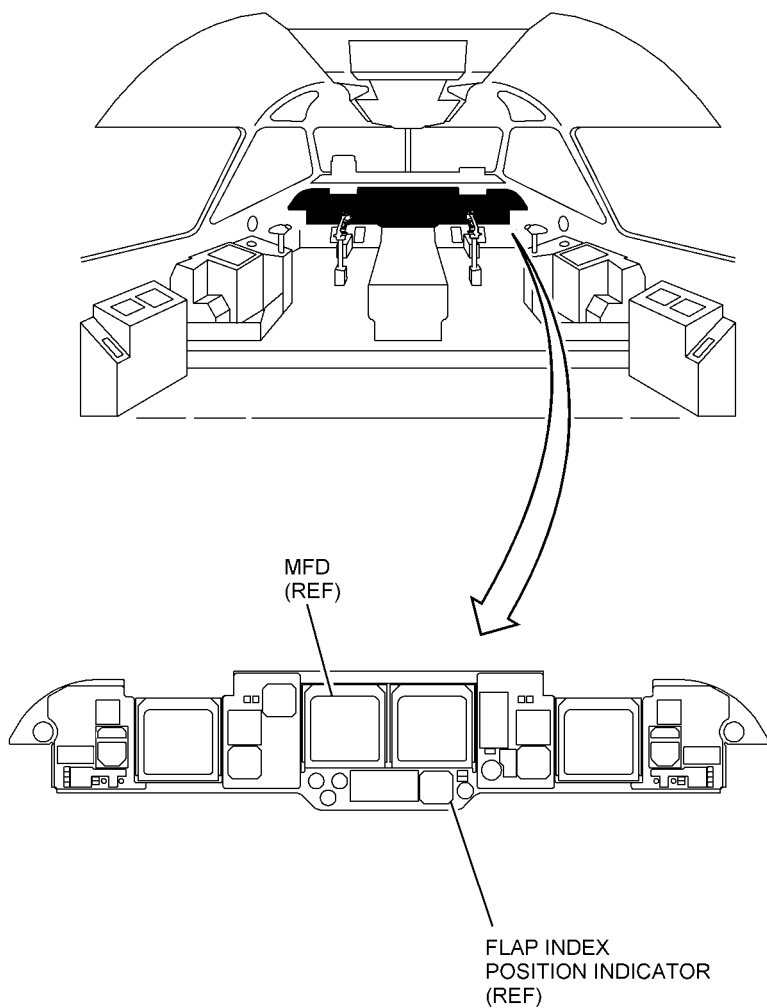
All flight control surfaces and thrust reversers shall be clear of personnel and equipment prior to applying hydraulic power, while operating flight controls, or when removing hydraulic power. Failure to comply may cause injury to personnel and damage to aircraft.

**NOTE**

Preflight test execution may be aborted by pushing the **SCEFC PREFLT** switchlight. A second push of the switchlight extinguishes the lights. The test starts over if the switchlight is pushed again and the **GND SPLR ARM/LAPES** switch is armed.

11. Press **SCEFC PREFLT** switch and rotate **GND SPLR ARM/LAPES** switch on **AFCS PANEL** to **ARM** simultaneously.
  - **SCEFC PREFLT TEST** light comes on.
  - MFD displays spoiler, flap, and slat movement.
  - Flap index position indicator indicates flap movement.
  - Test light on **SCEFC PREFLT** switch goes out.
12. Rotate **FLAPS** switch to **OFF**.
13. Press **EFCS RESET** button.
14. Shutdown auxiliary hydraulic system (29-20-01, task 01-2).



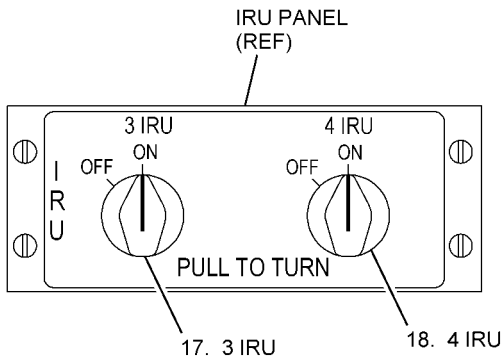
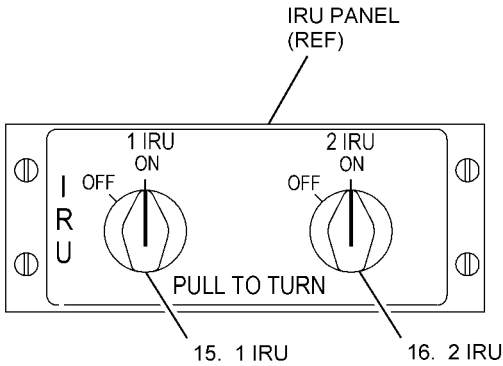


ICN-88277-G2700021-005-01



## **TO 1300i-2-27JG-00-1**

15. Set **1 IRU** switch on **IRU** panel to **OFF**.
16. Set **2 IRU** switch to **OFF**.
17. Set **3 IRU** switch to **OFF**.
18. Set **4 IRU** switch to **OFF**.
19. Shutdown MFD system (31-61-02, task 02-3 or 02-4).
20. Perform maintenance interphone shutdown (23-41-02, task 02-4).
21. Perform flight interphone shutdown (23-51-02, task 02-3).







**SPOILER CONTROL/ELECTRONIC FLAP  
COMPUTER ELECTRICAL OPERATIONAL  
CHECKOUT  
(27-00-04)**

**GENERAL MAINTENANCE INPUT CONDITIONS:**

<b>Applicability:</b>	<b>Task</b>
All	All

**Additional information:**

This procedure consists of the following task:

- 04-1. Spoiler control/electronic flap computer electrical operational checkout.

<b>Additional data:</b>	<b>Task</b>
TO 1300i-2-27FI-00-1	All
TO 1300i-2-10JG-60-1	All

<b>Personnel recommended:</b>	<b>Task</b>
One	All

<b>Safety conditions:</b>	<b>Task</b>
NA	--

Support equipment:

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

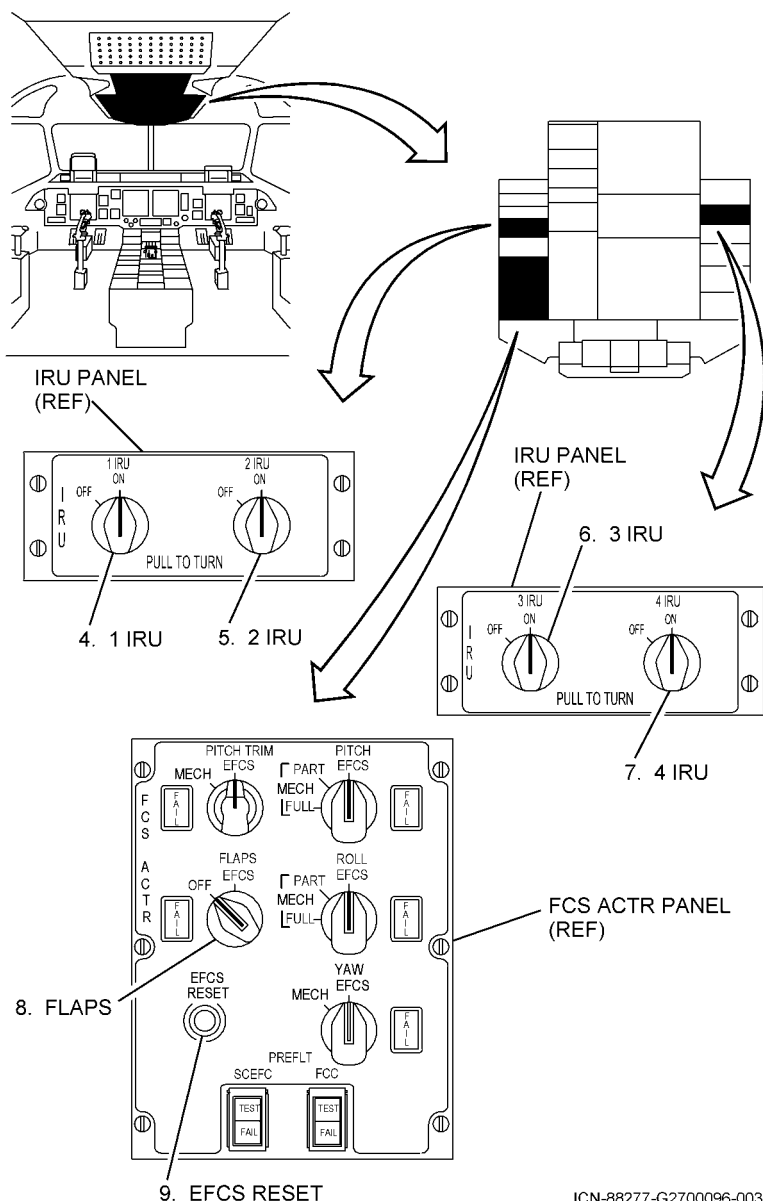
Supplies:

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



## **04-1. SPOILER CONTROL/ELECTRONIC FLAP COMPUTER ELECTRICAL OPERATIONAL CHECKOUT.**

1. Review "Section 1 (General Information)" of this TO for system general warnings, cautions, and notes.
2. Review task "General Maintenance Input Conditions" page for task specific safety conditions.
3. Connect external electrical power (10-61-01, task 01-1).
4. Set **1 IRU** switch on **IRU** panel to **ON**.
5. Set **2 IRU** switch to **ON**.
6. Set **3 IRU** switch on **IRU** panel to **ON**.
7. Set **4 IRU** switch to **ON**.
8. Set **FLAPS** switch on **FCS ACTR** panel to **EFCS**.
9. Press **EFCS RESET** button.

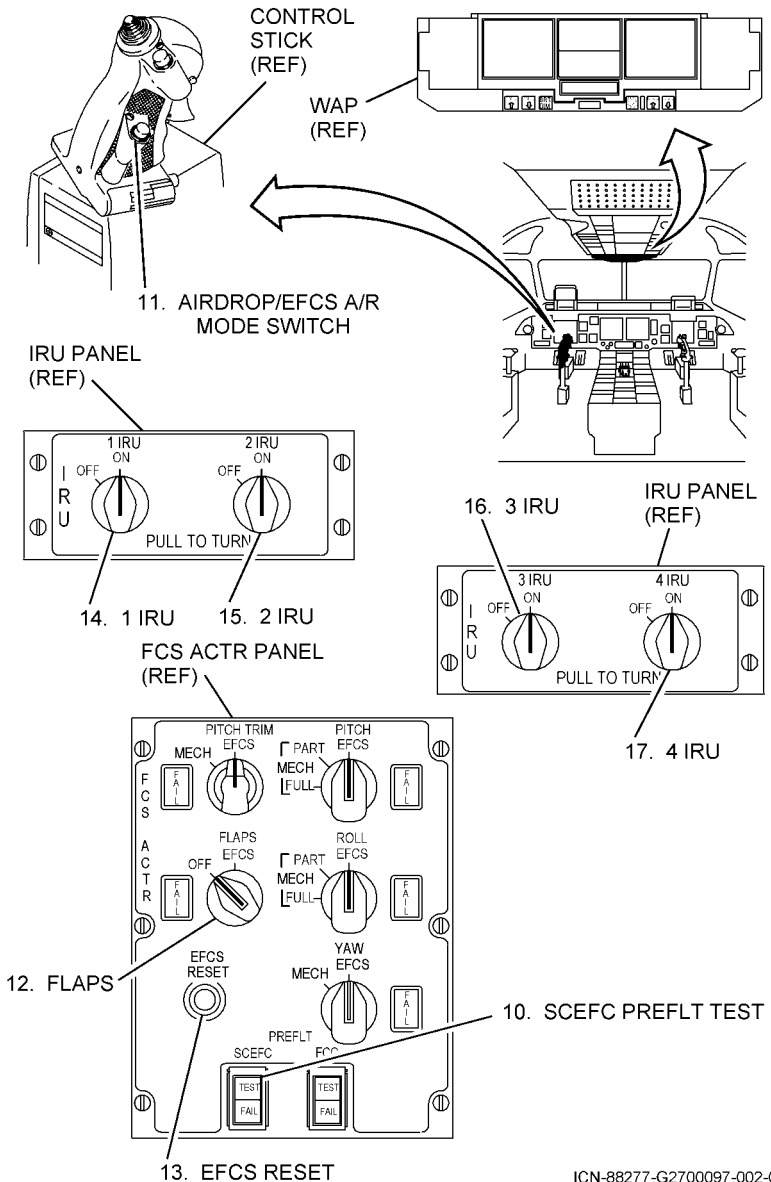


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## NOTE

- Airdrop/Electronic Flight Control System Air Refueling (AIRDROP/EFCS A/R) mode switch on control stick must be pressed within three seconds of pressing the **SCEFC PREFLT TEST** button on **FCS ACTR** panel.
- Do not touch pilot or copilot stick grips after the **FCS ACTR** panel lights start flashing.
- **OVERSPEED SYS INOP** will appear on Warning and caution Annunciator Panel (WAP). Ignore annunciation during preflight test.

10. Press and hold **SCEFC PREFLT TEST** switch on **FCS ACTR** panel.
11. Press **AIRDROP/EFCS A/R** mode switch on control stick.
  - **SCEFC PREFLT TEST** light comes on (27-00-MA-00).
  - **SCEFC PREFLT TEST** light goes out (27-00-MA-00).
12. Set **FLAPS** switch on **FCS ACTR** panel to **OFF**.
13. Press **EFCS RESET** button.
14. Set **1 IRU** switch on **IRU** panel to **OFF**.
15. Set **2 IRU** switch to **OFF**.
16. Set **3 IRU** switch on **IRU** panel to **OFF**.
17. Set **4 IRU** switch to **OFF**.
18. Disconnect external electrical power (10-61-01, task 01-2).



ICN-88277-G2700097-002-01





**EFCS/SCEFC FAULT LIST AND HISTORY  
INTERROGATION  
(27-00-05)**

**GENERAL MAINTENANCE INPUT CONDITIONS:**

<b>Applicability:</b>	<b>Task</b>
All	All

**Additional information:**

This procedure consists of the following task:

- 05-1. EFCS/SCEFC fault list and history interrogation.

<b>Additional data:</b>	<b>Task</b>
TO 1300i-2-27FI-00-1-3	All
TO 1300i-2-34JG-60-1	All

<b>Personnel recommended:</b>	<b>Task</b>
One	All

<b>Safety conditions:</b>	<b>Task</b>
NA	--

Support equipment:

Nomenclature

PN

Specification

Qty

Task

NA

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Supplies:

Nomenclature

PN

Specification

Qty

Task

NA

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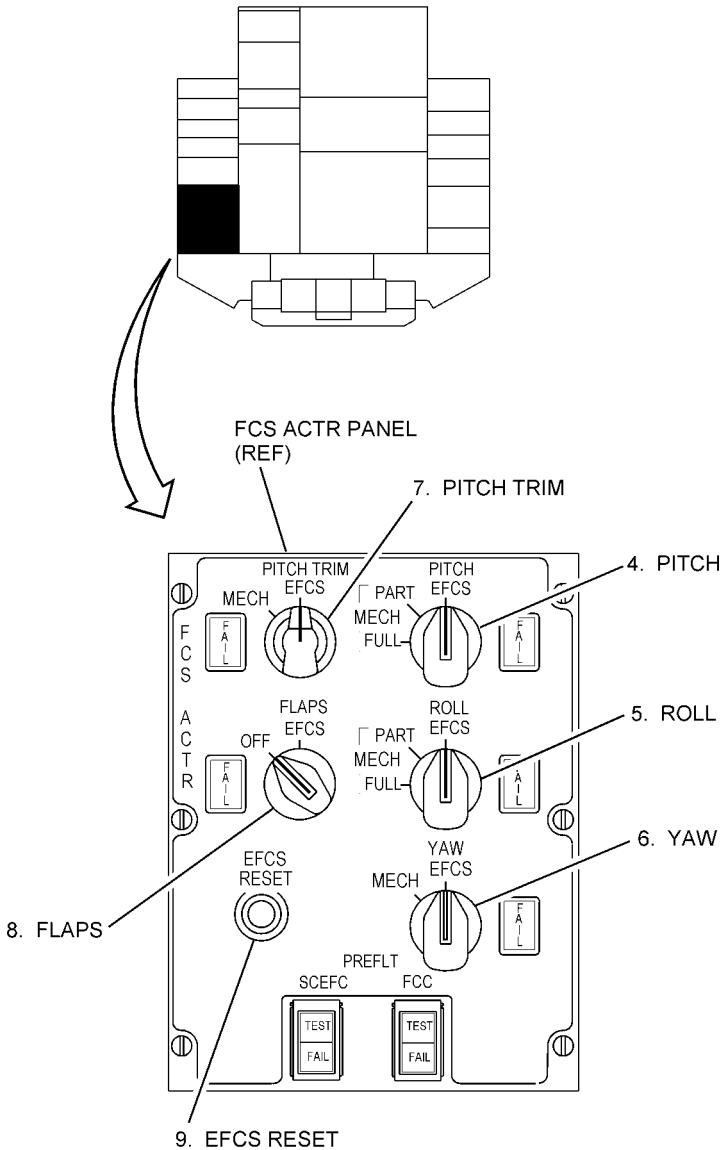
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## 05-1. EFCS/SCEFC FAULT LIST AND HISTORY INTERROGATION.

1. Review "Section 1 (General Information)" of this TO for system general warnings, cautions, and notes.
2. Review task "General Maintenance Input Conditions" page for task specific safety conditions.
3. Operate mission computing system (34-62-02, tasks 02-1 and 02-2).
4. Set **PITCH** switch on **FCS ACTR** panel to **EFCS**.
5. Set **ROLL** switch to **EFCS**.
6. Set **YAW** switch to **EFCS**.
7. Set **PITCH TRIM** switch to **EFCS**.
8. Set **FLAPS** switch to **EFCS**.
9. Press **EFCS RESET** button.



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10. Press up arrow key on **MCD (DU)**.

- **MSN INDEX 2** is displayed.

### NOTE

Some faults might be recorded on pilot side MCD, but not on copilot side MCD. Record Fault history data using pilot and copilot side MCDs.

11. Press 6L Line Select (LS) key.

- **MAINT MENU** is displayed.



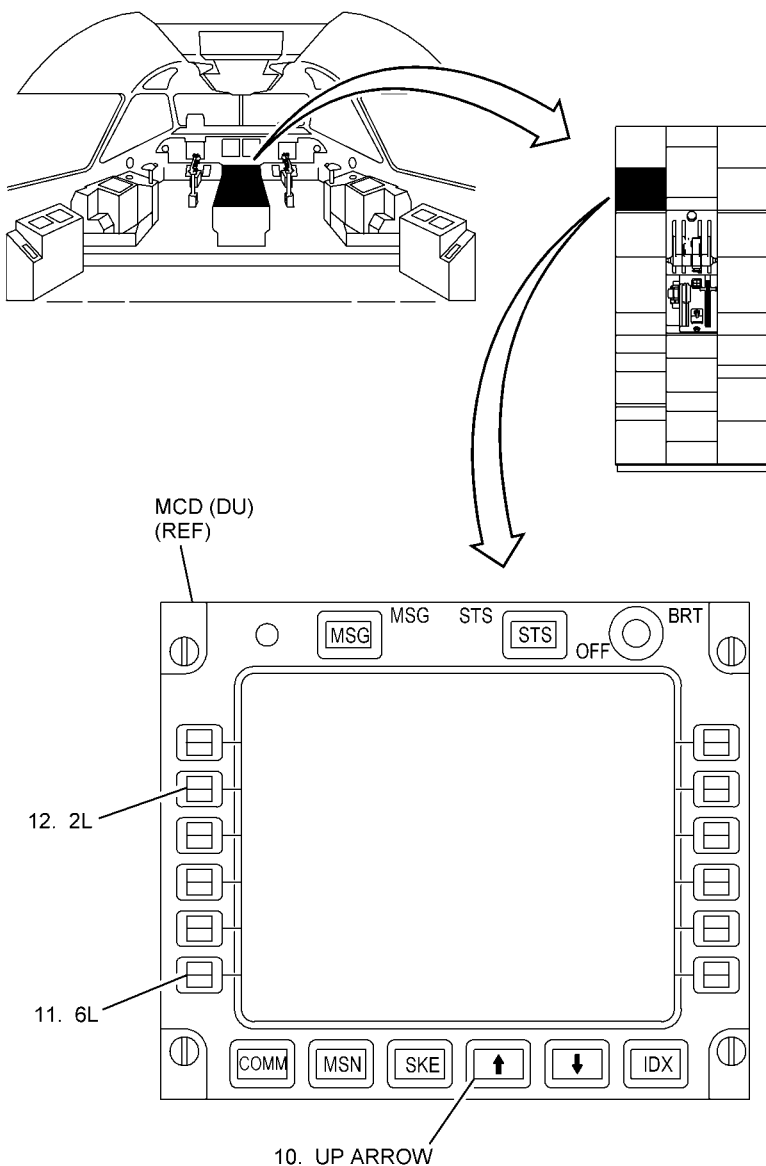
The **EFCS FAULT LIST** or **FAULT HISTORY** shall not be cleared or erased. Failure to comply may cause valuable historic data to be lost.

### NOTE

- A fault list history of each Line Replaceable Unit (LRU) can be accessed from **EFCS MAINT MENU** page by pressing 1L or 2L LS key.
- All faults listed in **EFCS FAULT LIST** or **FAULT HISTORY** shall be reviewed and recorded. When troubleshooting indicated faults, refer to TO 1300i-2-27FI-00-1-3, Chapter 4.
- Some faults might be recorded on pilot side MCD, but not on copilot side MCD. Record Fault history data using pilot and copilot side MCDs.

12. Press 2L LS key.

- **EFCS MAINT MENU** is displayed.



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The **EFCS FAULT LIST** or **FAULT HISTORY** shall not be cleared or erased. Failure to comply may cause valuable historic data to be lost.

#### NOTE

- A fault list history of each LRU can be accessed from **EFCS MAINT MENU** page by pressing 1L or 2L LS key.
- All faults listed in **EFCS FAULT LIST** or **FAULT HISTORY** shall be reviewed and recorded. When troubleshooting indicated faults, refer to TO 1300i-2-27FI-00-1-3, Chapter 4.

13. Press LS key.

14. Press 6R LS key.

- **EFCS MAINT MENU** is displayed.

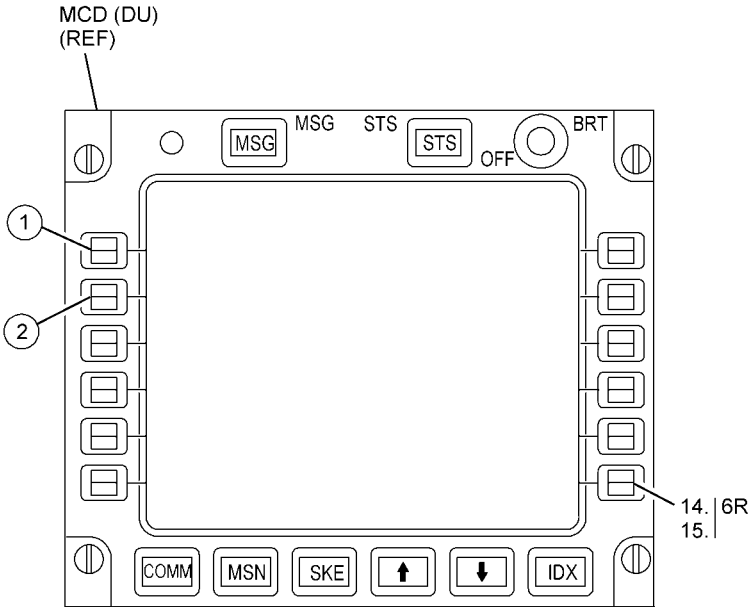
#### NOTE

Some faults might be recorded on pilot side MCD, but not on copilot side MCD. Record Fault history data using pilot and copilot side MCDs.

15. Press 6R LS key.

- **MAINTENANCE MENU** is displayed.





13.

EFCS FAULT	INDEX NO.	LS KEY
LIST	1	1L
HISTORY	2	2L

ICN-88277-G2700108-004-01



The **SCEFCS FAULT LIST** or **FAULT HISTORY** shall not be cleared or erased. Failure to comply may cause valuable historic data to be lost.

### NOTE

- A fault list history of each LRU can be accessed from **SCEFCS MAINT MENU** page by pressing 6R or 3L LS key.
- All faults listed in **SCEFCS FAULT LIST** or **FAULT HISTORY** shall be reviewed and recorded. When troubleshooting indicated faults, refer to TO 1300i-2-27FI-00-1-3, Chapter 5.

16. Press 3L LS key.

- **SCEFCS MAINT MENU** is displayed.

17. Press LS key.

18. Press 6R LS key.

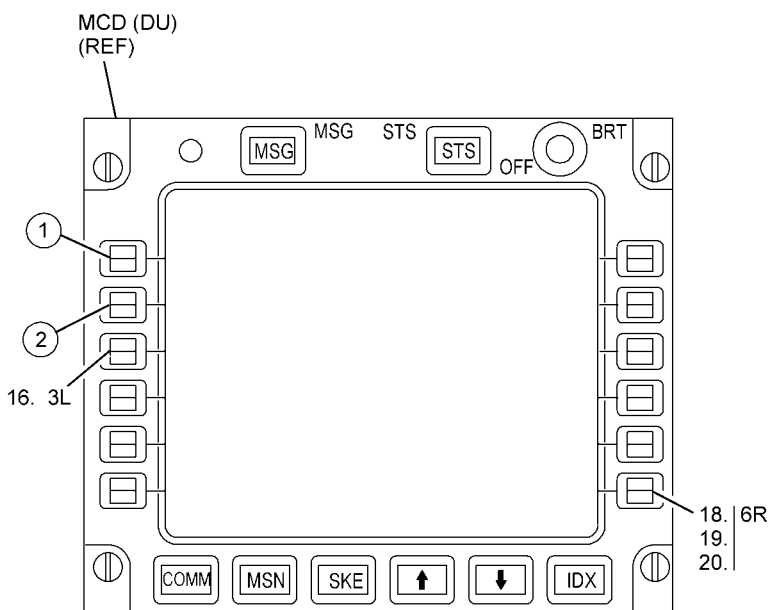
- **SCEFCS MAINT MENU** is displayed.

19. Press 6R LS key.

- **MAINT MENU** is displayed.

20. Press 6R LS key.

- **MSN INDEX 2** is displayed.

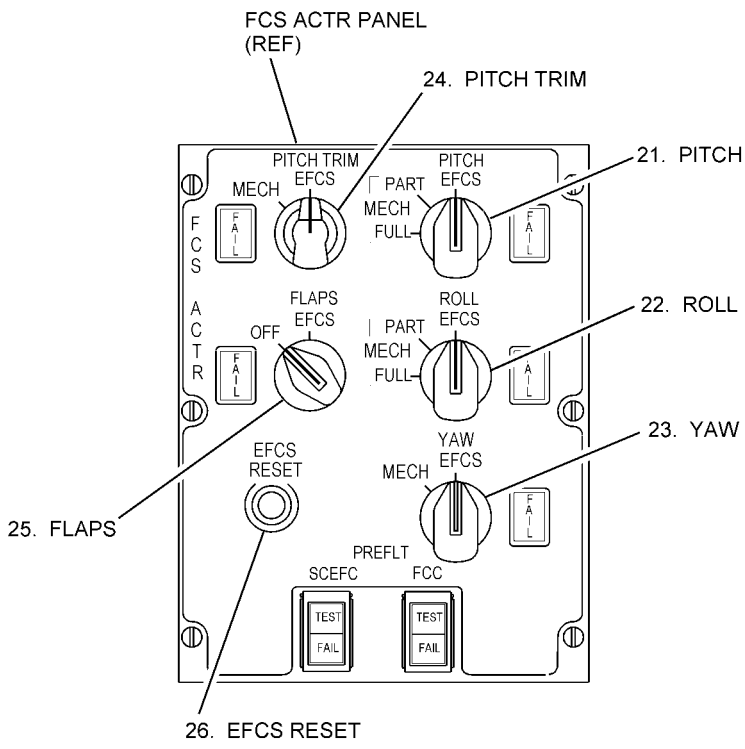


17.	EFCS FAULT	INDEX NO.	LS KEY
	LIST	1	1L
	HISTORY	2	2L

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## **TO 1300i-2-27JG-00-1**

21. Set **PITCH** switch on **FCS ACTR** panel to **FULL MECH**.
22. Set **ROLL** switch to **FULL MECH**.
23. Set **YAW** switch to **MECH**.
24. Set **PITCH TRIM** switch to **MECH**.
25. Set **FLAPS** switch to **OFF**.
26. Press **EFCS RESET** button.
27. Shutdown mission computing system (34-62-02, task 02-3).



ICN-88277-G2700107-003-01



**SPOILER CONTROL/ELECTRONIC FLAP  
COMPUTER WCC MAINTENANCE BUILT-IN  
TEST  
(27-00-06)**

**GENERAL MAINTENANCE INPUT CONDITIONS:**

**Applicability:**

All

**Task**

All

**Additional information:**

This procedure consists of the following task:

- 06-1. Spoiler control/electronic flap computer WCC maintenance built-in test.

**Additional data:**

TO 1300i-2-34FI-00-1

**Task**

All

TO 1300i-2-34JG-60-1

All

**Personnel recommended:**

One

**Task**

All

**Safety conditions:**

NA

**Task**

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Support equipment:

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

Supplies:

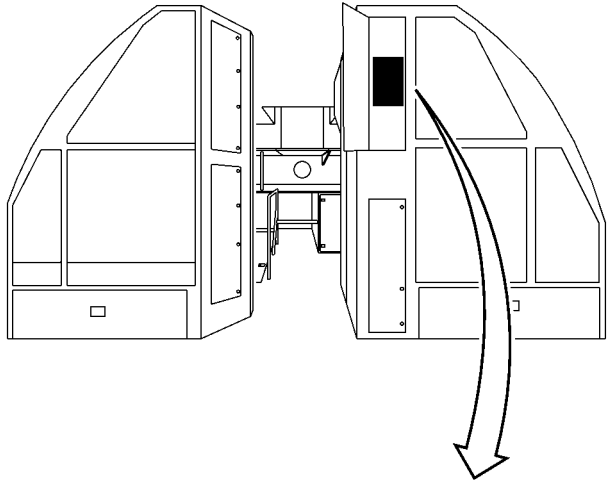
<u>Nomenclature</u>	<u>PN</u>	<u>Specification</u>	<u>Qty</u>	<u>Task</u>
NA	--	--	--	--





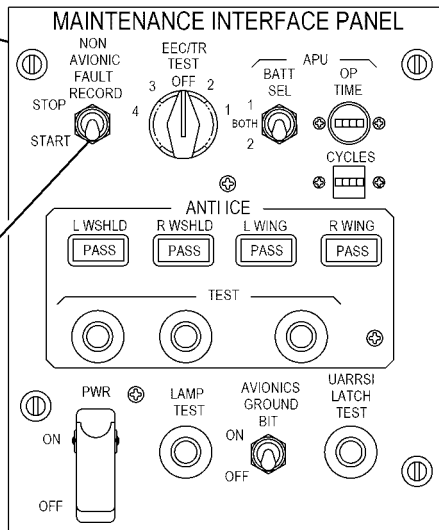
## 06-1. SPOILER CONTROL/ELECTRONIC FLAP COMPUTER WCC MAINTENANCE BUILT-IN TEST.

1. Review "Section 1 (General Information)" of this TO for system general warnings, cautions, and notes.
2. Review task "General Maintenance Input Conditions" page for task specific safety conditions.
3. Operate mission computing system (34-62-02, task 02-1).
4. Ensure **NON AVIONIC FAULT RECORD** switch on **MAINTENANCE INTERFACE PANEL** is set to **START**.



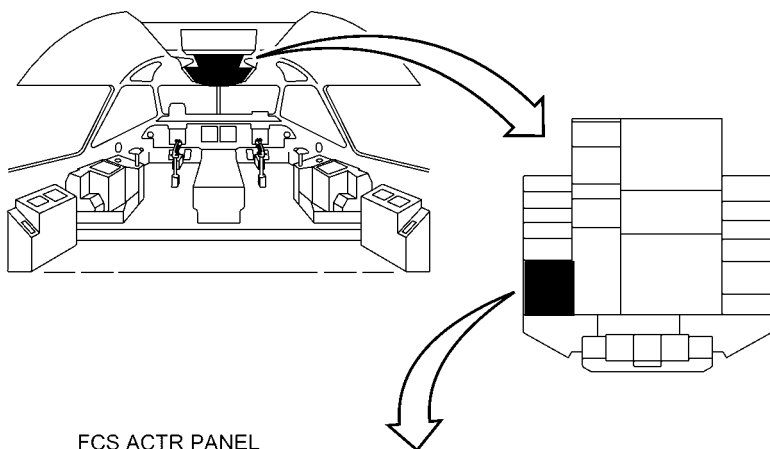
MAINTENANCE  
INTERFACE  
PANEL  
(REF)

4. NON AVIONIC  
FAULT RECORD

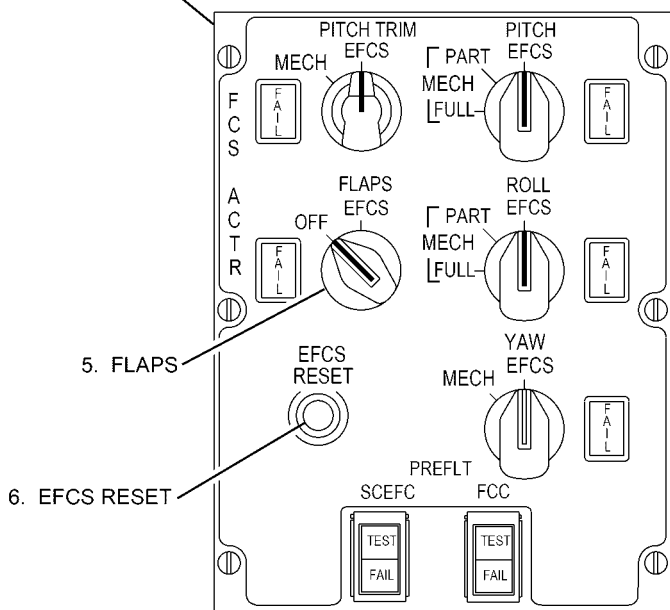


ICN-88277-G2700110-001-01

5. Set **FLAPS** switch on **FCS ACTR** panel to **EFCS**.
6. Press **EFCS RESET** button.

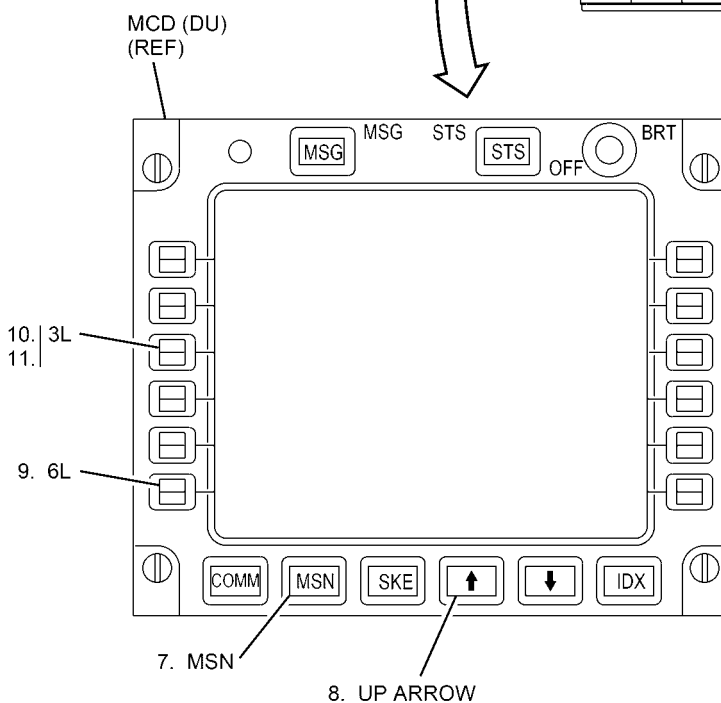
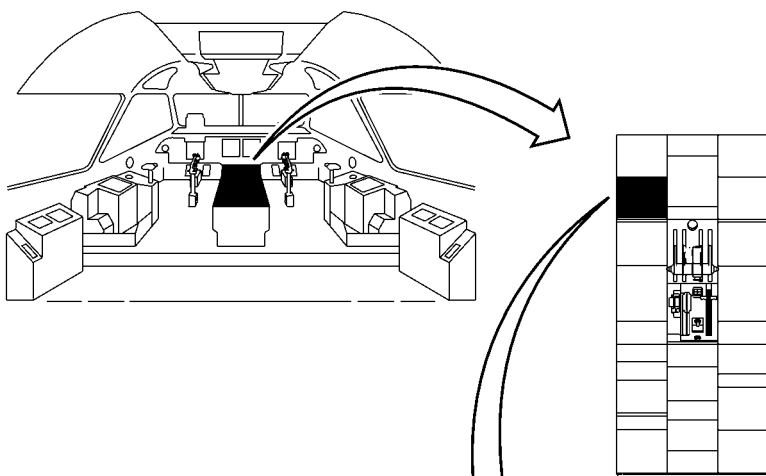


FCS ACTR PANEL  
(REF)



ICN-88277-G2700111-001-01

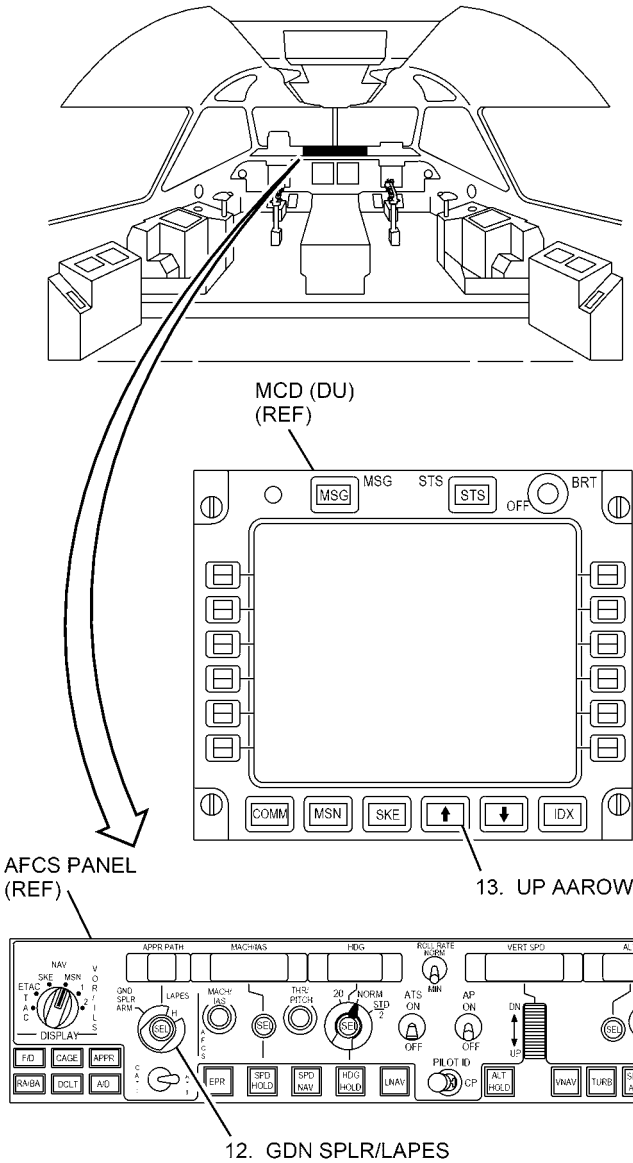
7. Press **MSN** key on **MCD (DU)**.
  - **MSN INDEX 1** is displayed (34-62-AA-01, 34-62-AA-02, 34-62-AA-03, 34-62-AA-04, 34-62-AA-05).
8. Press up arrow key.
  - **MSN INDEX 2** is displayed (34-62-AA-01, 34-62-AA-02, 34-62-AA-03, 34-62-AA-04, 34-62-AA-05).
9. Press 6L LS key.
  - **MAINTENANCE MENU** is displayed (34-62-AA-01, 34-62-AA-02, 34-62-AA-03, 34-62-AA-04, 34-62-AA-05).
10. Press 3L LS key.
  - **SCEFC MAINT MENU** is displayed (34-62-AA-01, 34-62-AA-02, 34-62-AA-03, 34-62-AA-04, 34-62-AA-05).
11. Press 3L LS key.
  - **SCEFC MAINTENANCE BIT ENTRY IN PROGRESS** is displayed (34-62-AA-01, 34-62-AA-02, 34-62-AA-03, 34-62-AA-04, 34-62-AA-05).



ICN-88277-G2700112-001-01

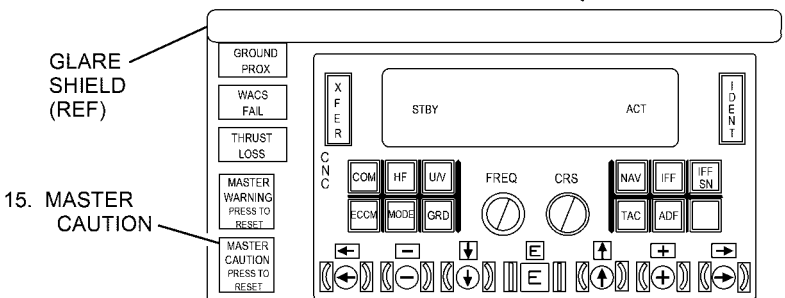
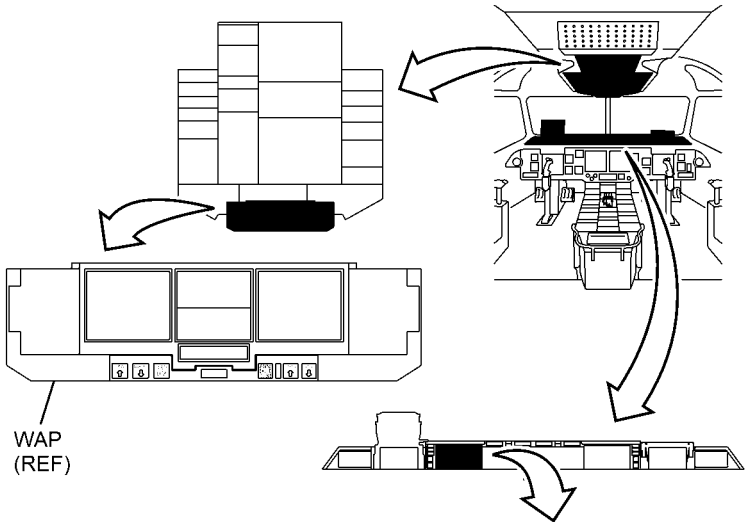
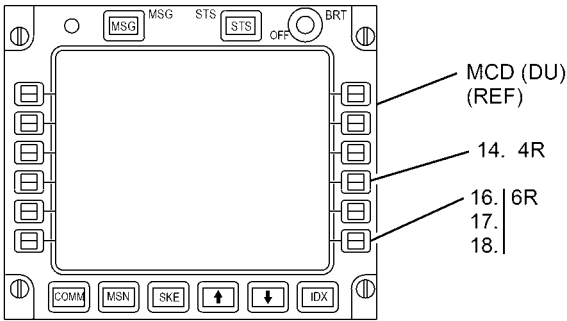
12. Set **Ground Spoiler/LAPES (GND SPLR/LAPES)** switch on **AFCS** panel to **ARM**.
13. Press up arrow key until page 2/3 is displayed.
  - **WCC** is displayed.





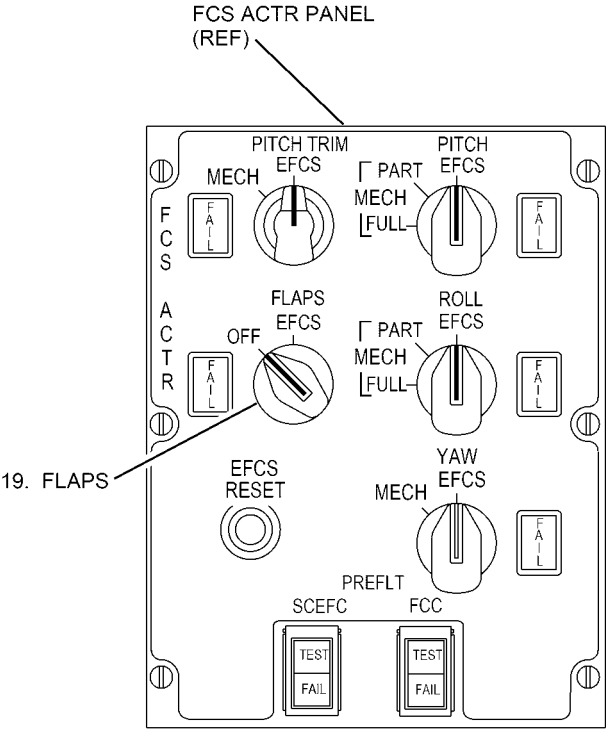
ICN-88277-G2700113-001-01

14. Press 4R LS key.
  - **SCEFC 1, 2 ON WAP IS ILLUMINATED** is displayed on MCD (DU) (34-00-MA-00).
  - **SCEFC 1, 2** is displayed on Warning and Caution Annunciator Panel (WAP) (34-00-MA-00).
15. Press **MASTER CAUTION** button on pilot glare shield.
16. Press 6R LS key.
  - **SCEFC 1, 2 ON WAP IS EXTINGUISHED** is displayed on MCD (DU) (34-00-MA-00).
  - **SCEFC 1, 2** disappears from WAP (34-00-MA-00).
17. Press 6R LS key.
  - **SCEFC MAINTENANCE BIT** menu is displayed (34-62-AA-01, 34-62-AA-02, 34-62-AA-03, 34-62-AA-04, 34-62-AA-05).
18. Press 6R LS key.
  - **MSN INDEX 2** is displayed (34-62-AA-01, 34-62-AA-02, 34-62-AA-03, 34-62-AA-04, 34-62-AA-05).



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19. Set **FLAPS** switch on **FCS ACTR** panel to **OFF**.
20. Shutdown mission computing system (34-62-02, task 02-3).



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