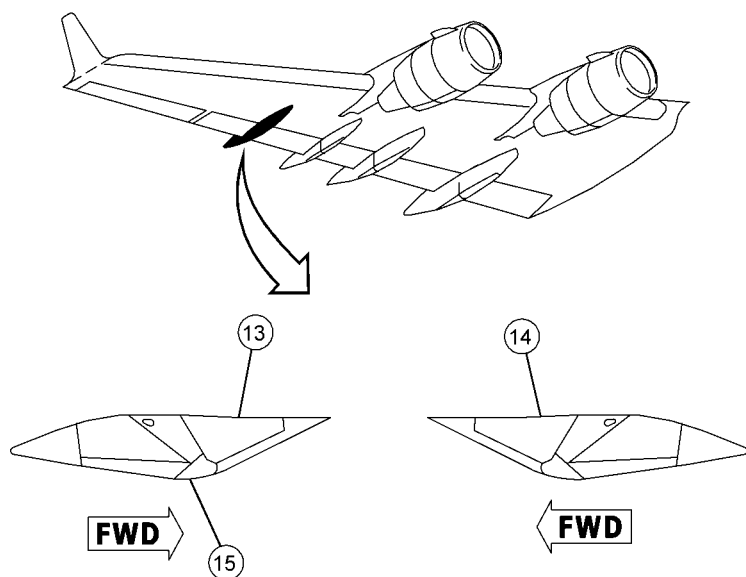


61.	PUSHROD	INDEX	PANEL	SCREW
63.	REF DES	NO.	NO.	QTY
	2764MP015	16	673JRP	59
		17	673HLP	59

65.	PUSHROD	INDEX	PANEL	SCREW
67.	REF DES	NO.	NO.	QTY
	2764MP015	18	673CBC	17

ICN-88277-G2760032-004-01



61. 63.	PUSHROD REF DES	INDEX NO.	PANEL NO.	SCREW QTY
	2764MP016	13 14	673MRP 673LLP	44 44

65. 67.	PUSHROD REF DES	INDEX NO.	PANEL NO.	SCREW QTY
	2764MP016	15	673FBC	16

ICN-88277-G2760031-004-01

WING SPOILER ASSEMBLY (27-61-10)

MASTER INPUT CONDITIONS:

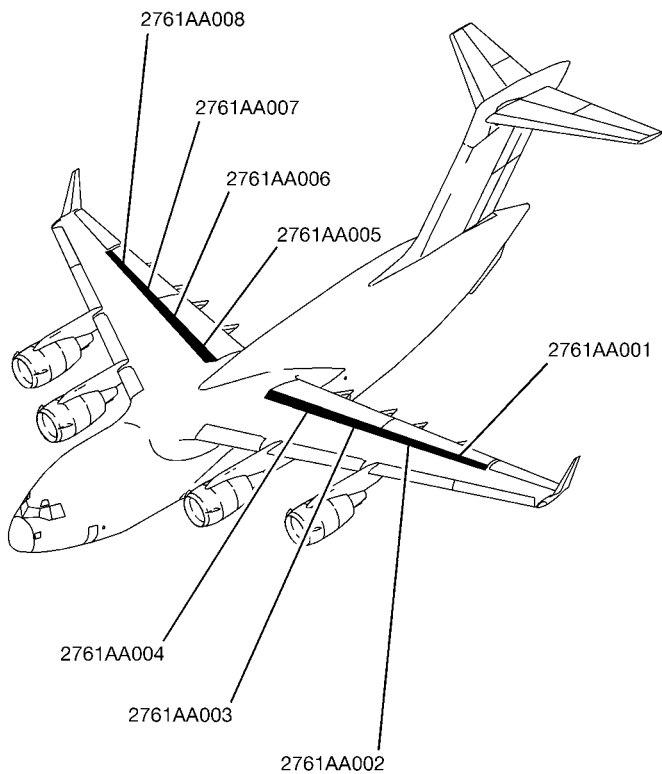
Reference designators:

2761AA001	Left Wing No. 4 Spoiler Assembly
2761AA002	Left Wing No. 3 Spoiler Assembly
2761AA003	Left Wing No. 2 Spoiler Assembly
2761AA004	Left Wing No. 1 Spoiler Assembly
2761AA005	Right Wing No. 1 Spoiler Assembly
2761AA006	Right Wing No. 2 Spoiler Assembly
2761AA007	Right Wing No. 3 Spoiler Assembly
2761AA008	Right Wing No. 4 Spoiler Assembly

Applicable functions:

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

Access data:



ICN-88277-G2761001-002-01

**WING SPOILER ASSEMBLY REMOVAL
(27-61-10-2)**

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.

NOTE	Task
This is a typical removal task for all wing spoiler assemblies.	All

Additional data:	Task
TO 1300i-2-00JG-00-1	2-1
TO 1300i-2-27JG-50-1	2-1
TO 1300i-2-57JG-50-1	2-1

Personnel recommended:	Task
Two	All
Person (A) performs task.	
Person (B) assists person (A).	

Safety conditions:

Task

WARNING

- Spoiler shall not be removed with winds over 15 knots. Failure to comply may cause injury to personnel and damage to equipment. All
- Areas below lower wing fixed trailing edge door assembly shall remain clear of personnel when door is in lowered position and suspended from lanyards. Failure to comply may cause injury to personnel or damage to aircraft. All

Support equipment:

<u>Nomenclature</u>	<u>PN</u>	<u>Specification</u>	<u>Qty</u>	<u>Task</u>
Adapter Assembly, Hoist	17G110031-501	--	--	--
Adapter	17G111031-503	--	2	2-1
Adapter	17G111031-519	--	1	2-1
Shield	17G111031-113	--	2	2-1
Rope, Guide	17G111031-155	--	2	2-1
Adapter Set, Hoisting, Spoilers	17G110663-1	--	--	--
Adapter	17G111031-503	--	2	2-1
Adapter	17G111031-519	--	1	2-1
Shield	17G111031-113	--	2	2-1
Rope, Guide	17G111031-155	--	2	2-1
Assembly, Strap	17G110012-1	--	3	2-1

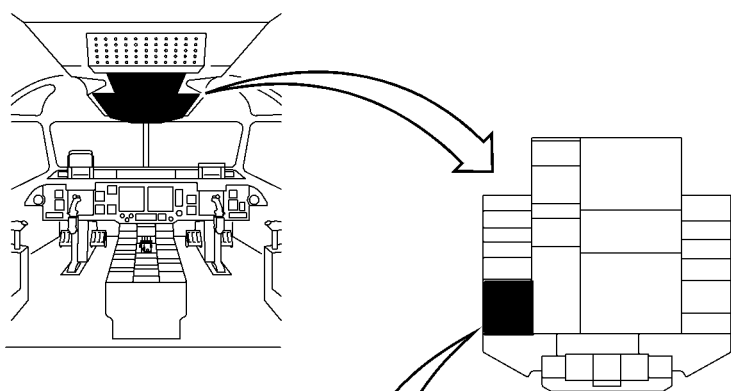
<u>Nomenclature</u>	<u>PN</u>	<u>Specification</u>	<u>Qty</u>	<u>Task</u>
Beam, Hoisting	17G110119-1	--	1	2-1
Crane, Portable Floor	LRT100	--	1	All
Lock, Aircraft Ground Safety, Flap Control Handle	17G140025-1	--	1	2-1
Semitrailer, Stake	26608SSPB	--	1	2-2
Sling, Multi-leg	17G110012-1	--	1	2-1
Wrench, Torque	--	(0-150 in-lb)	1	2-1

Supplies:

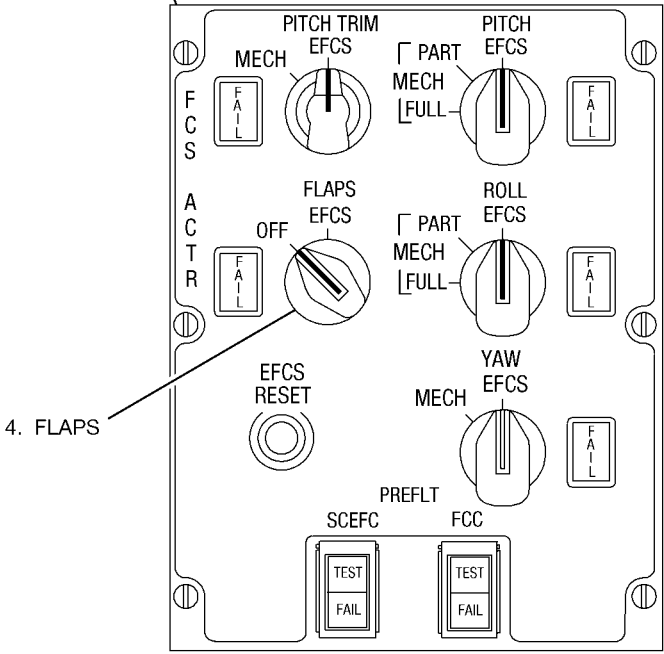
<u>Nomenclature</u>	<u>PN</u>	<u>Specification</u>	<u>Qty</u>	<u>Task</u>
Tag, Warning	--	--	3	2-1

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. Operate flaps system and position flap/slat handle to **FULL** (27-50-03, task 03-1).
4. (A) Ensure **FLAPS** switch on **FCS ACTR** panel is **OFF** and attach warning tag.



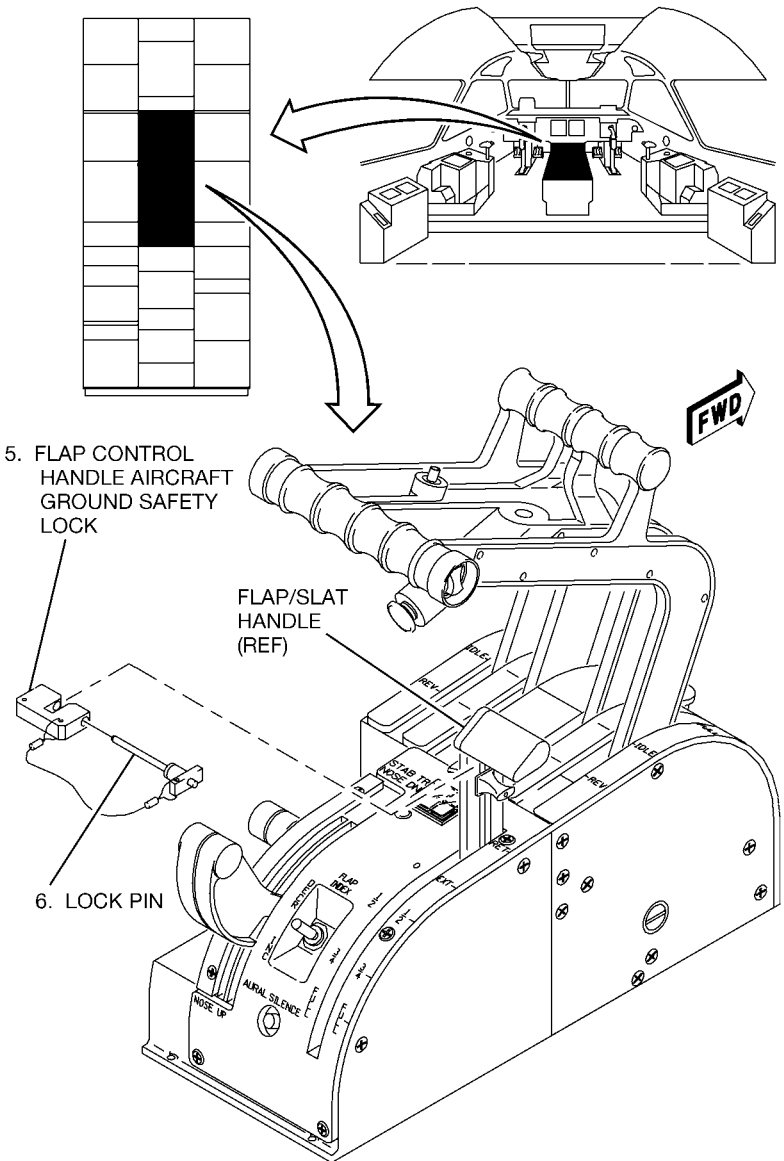
FCS ACTR PANEL
(REF)



ICN-88277-G2761002-002-01

TO 1300i-2-27JG-60-1

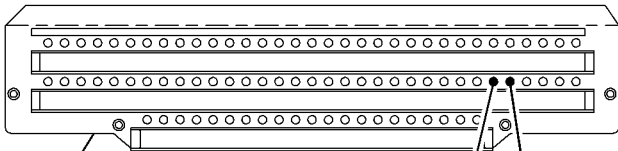
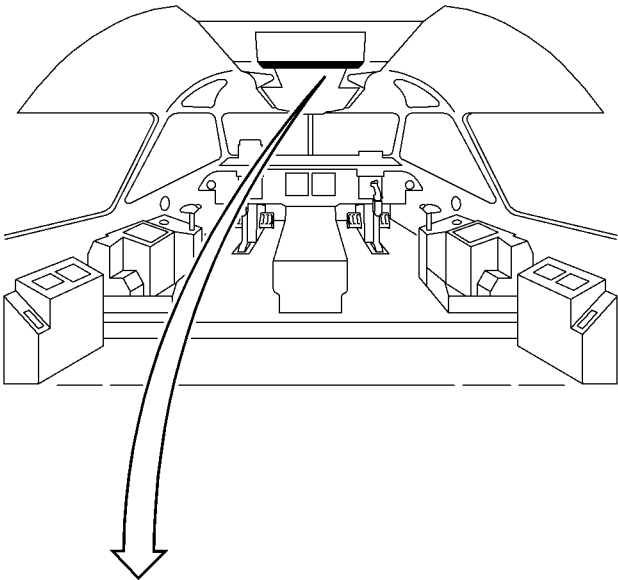
5. (A) Position flap control handle aircraft ground safety lock on flap/slat handle.
6. (A) Install lock pin.



ICN-88277-G2761003-004-01

TO 1300i-2-27JG-60-1

7. (A) Open **SCEFC 1** circuit breaker on overhead circuit breaker panel, row **H**, column **28**, and attach warning tag.
8. (A) Open **SCEFC 2** circuit breaker on overhead circuit breaker panel, row **H**, column **29**, and attach warning tag.



OVERHEAD CIRCUIT
BREAKER PANEL
(REF)

- 7. SCEFC 1
- 8. SCEFC 2

TO 1300i-2-27JG-60-1

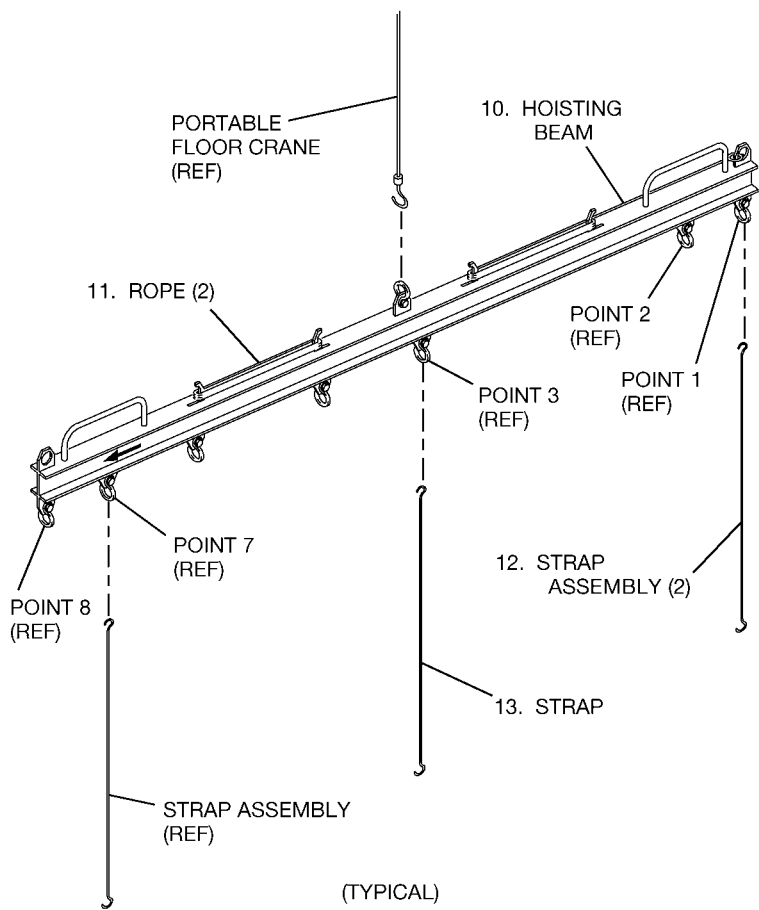
9. Lower lower wing fixed trailing edge door assemblies (57-54-01).

SPOILER REF DES	DOOR NO.	DOOR REF DES
2761AA001	565EBD	5754CA032
2761AA002	565CBD	5754CA030
	565DBD	5754CA031
2761AA003	565BBD	5754CA029
	565CBD	5754CA030
2761AA004	565ABD	5754CA028
	565BBD	5754CA029
2761AA005	665ABD	5754CA037
	665BBD	5754CA036
2761AA006	665BBD	5754CA036
	665CBD	5754CA035
2761AA007	665CBD	5754CA035
	665DBD	5754CA034
2761AA008	665EBD	5754CA033

10. (A,B) Attach hoisting beam to portable floor crane.
11. (A) Unwrap ropes.
12. (A,B) Attach strap assemblies to hoisting beam points as follows:

SPOILER REF DES	WIRE ROPE	WIRE ROPE
2761AA001	POINT 1	POINT 7
2761AA002	POINT 1	POINT 7
2761AA003	POINT 2	POINT 7
2761AA004	POINT 2	POINT 8
2761AA005	POINT 1	POINT 7
2761AA006	POINT 1	POINT 7
2761AA007	POINT 2	POINT 7
2761AA008	POINT 2	POINT 8

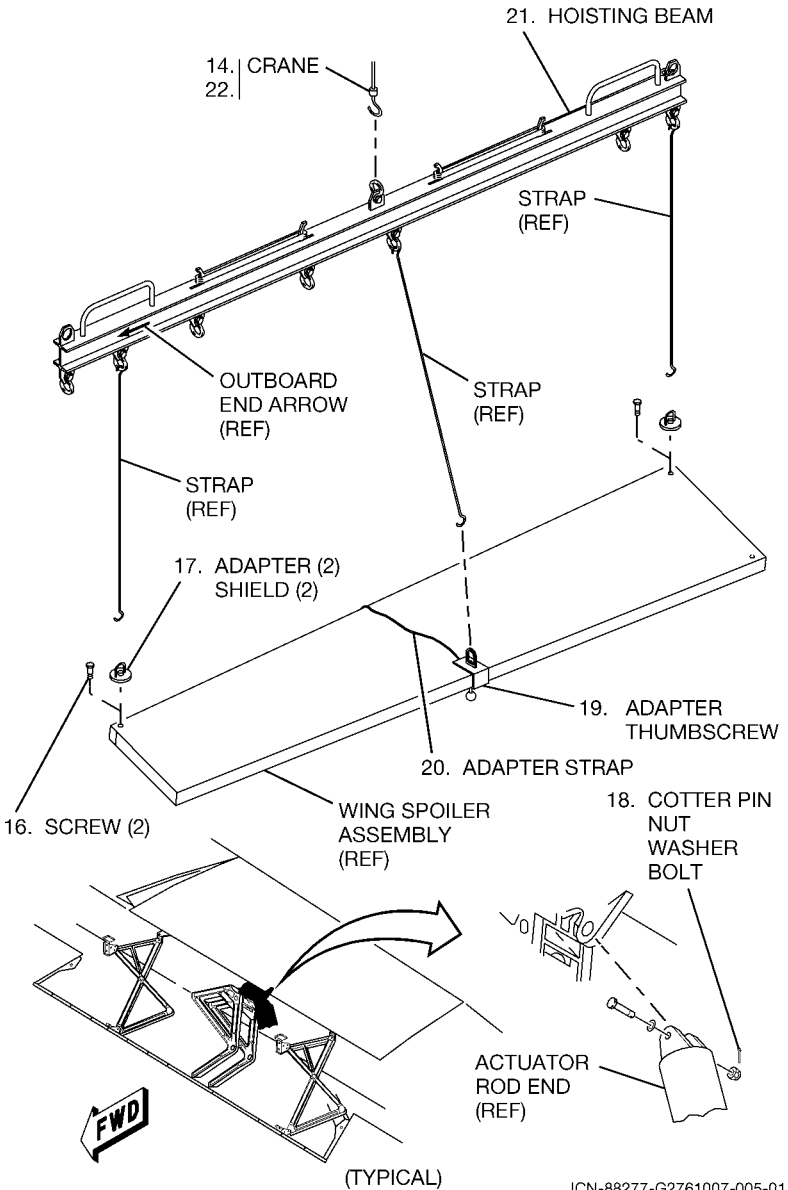
13. (A,B) Attach strap to hoisting beam point 3.



ICN-88277-G2761200-004-01

TO 1300i-2-27JG-60-1

14. (A,B) Position crane over wing spoiler assembly.
15. Enter fuselage and wing (00-00-01).
16. (A) Remove screws.
17. (A) Install adapters (PN 17G111031-503) and shields; torque **50-70 in-lb.**
18. (A) Remove cotter pin, nut, washer, and bolt from actuator rod end.
19. (A) Position adapter (PN 17G111031-519) on wing spoiler assembly and tighten thumbscrew.
20. (A) Position and tighten adapter strap.
21. (A) Position beam outboard end arrow pointing outboard and attach straps to adapters.
22. (A,B) Operate crane and remove slack from straps.



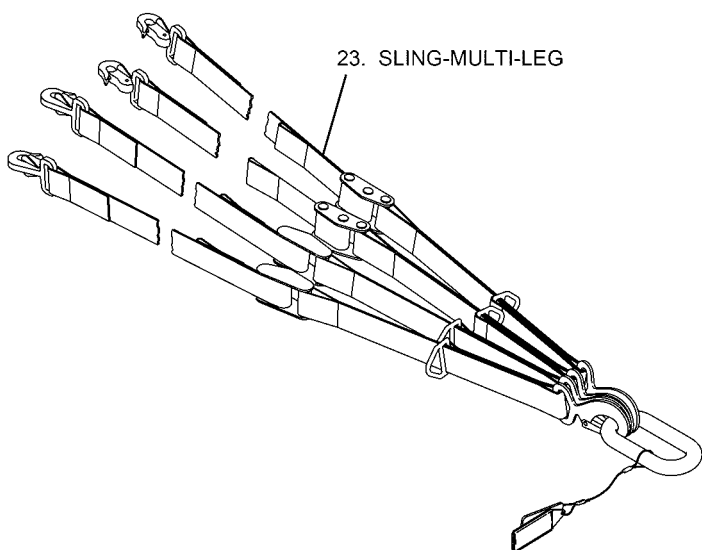
ICN-88277-G2761007-005-01

NOTE

If using Multi-leg-Sling (17G110012-1) instead of Hoisting Beam (17G110119-1) attach both outboard point straps at same length and middle strap approximately 10 inches shorter.

23. Alternate Multi-Sling Method.

- Attach Sling, Multiple-Leg (PN 17G110012-1) to portable crane.
- (A,B) Position crane over wing spoiler assembly.
- (A) Enter fuselage and wing (00-00-01).
- (A) Remove screws.
- (A) Install adapters (PN 17G111031-503) and shields; torque **50-70 in-lb.**
- (A) Remove cotter pin, nut, washer, and bolt from actuator rod end.
- (A) Position adapter (PN 17G111031-519) on wing spoiler assembly and tighten thumbscrew.
- (A) Attach both outboard point straps at same length and middle strap approximately 10 inches shorter than the outboard to adapters.
- (A,B) Operate crane and remove slack from straps.



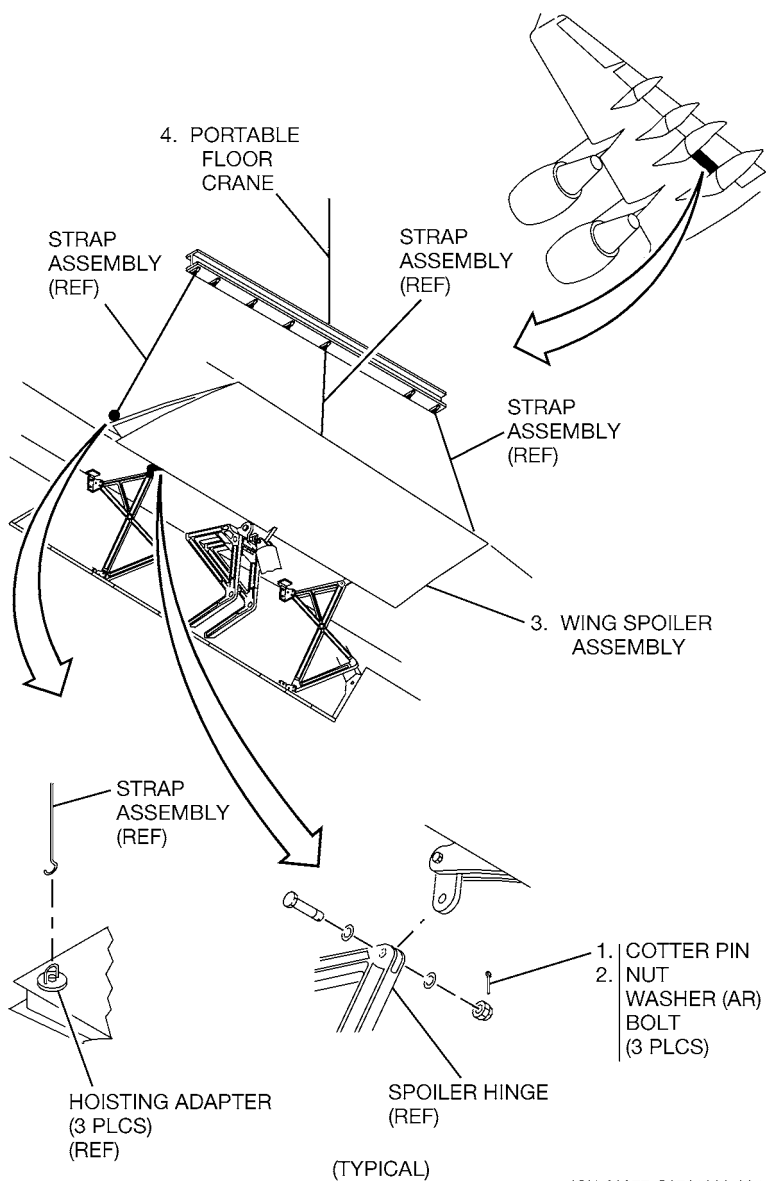
ICN-88277-G2761215-001-01

2-2. REMOVAL.

NOTE

Wing spoiler assemblies weigh approximately 78 to 122 pounds.

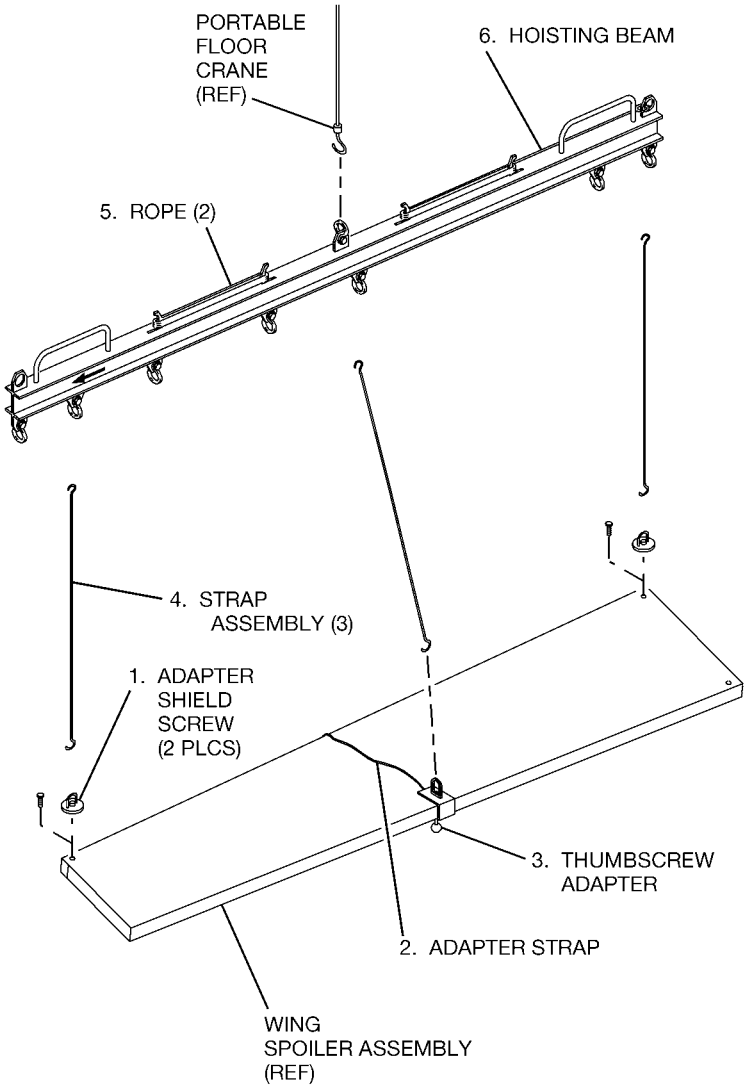
1. (A) Remove cotter pins from nuts.
2. (A) Identify and remove nuts, washers, and bolts from spoiler hinges.
3. (A,B) Remove wing spoiler assembly and secure on stake semitrailer.
4. (A,B) Operate portable floor crane to relieve tension; disconnect strap assemblies from hoisting adapters.



ICN-88277-G2761008-004-01

2-3. FOLLOW-ON MAINTENANCE.

1. (A) Remove adapters and shields from wing spoiler assembly; install screws.
2. (A) Loosen and disconnect adapter strap.
3. (A) Loosen thumb screw and remove adapter.
4. (A) Remove strap assemblies from hoisting beam.
5. (A) Wrap ropes.
6. (A,B) Remove hoisting beam from portable floor crane.



(TYPICAL)

ICN-88277-G2761009-005-01

WING SPOILER ASSEMBLY INSTALLATION
(27-61-10-3)

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.

NOTE	Task
This is a typical installation task for all wing spoiler assemblies.	All

Additional data:	Task
TO 1300i-2-00JG-00-1	3-2
TO 1300i-2-27JG-00-1	3-3
TO 1300i-2-27JG-50-1	3-3
TO 1300i-2-27JG-60-2	3-3
TO 1300i-2-57JG-50-1	3-3
TO 1300i-23	3-2

Personnel recommended:	Task
Two	All
Person (A) performs task.	
Person (B) assists person (A).	

Safety conditions:

Task

WARNING

- Spoiler shall not be removed with winds over 15 knots. Failure to comply may cause injury to personnel and damage to equipment. All
- Areas below lower wing fixed trailing edge door assembly shall remain clear of personnel when door is in lowered position and suspended from lanyards. Failure to comply may cause injury to personnel or damage to aircraft. All

Support equipment:

<u>Nomenclature</u>	<u>PN</u>	<u>Specification</u>	<u>Qty</u>	<u>Task</u>
Adapter Assembly, Hoist	17G110031-501	--	--	--
Adapter	17G111031-503	--	2	3-1
Adapter	17G111031-519	--	1	3-1
Shield	17G111031-113	--	2	3-1
Rope, Guide	17G111031-155	--	2	3-1
Adapter Set, Hoisting, Spoilers	17G110663-1	--	--	--
Adapter	17G111031-503	--	2	3-1
Adapter	17G111031-519	--	1	3-1
Shield	17G111031-113	--	2	3-1
Rope, Guide	17G111031-155	--	2	3-1
Assembly, Strap	17G110012-1	--	3	3-1

<u>Nomenclature</u>	<u>PN</u>	<u>Specification</u>	<u>Qty</u>	<u>Task</u>
Beam, Hoisting	17G110119-1	--	1	3-1
Crane, Portable Floor	LRT100	--	1	3-1, 3-2
Sling, Multi-leg	17G110012-1	--	1	3-1
Wrench, Torque	--	(0-150 in-lb)	1	3-1, 3-2
Wrench, Torque	--	(0-600 in-lb)	1	3-2
Wrench, Torque	--	(0-2400 in-lb)	1	3-2

Supplies:

<u>Nomenclature</u>	<u>PN</u>	<u>Specification</u>	<u>Qty</u>	<u>Task</u>
Grease, Aircraft	--	MIL-G-81322	AR	3-3
Pin, Cotter	MS24665-88	--	2	3-2
Pin, Cotter	MS24665-309	--	1	3-2

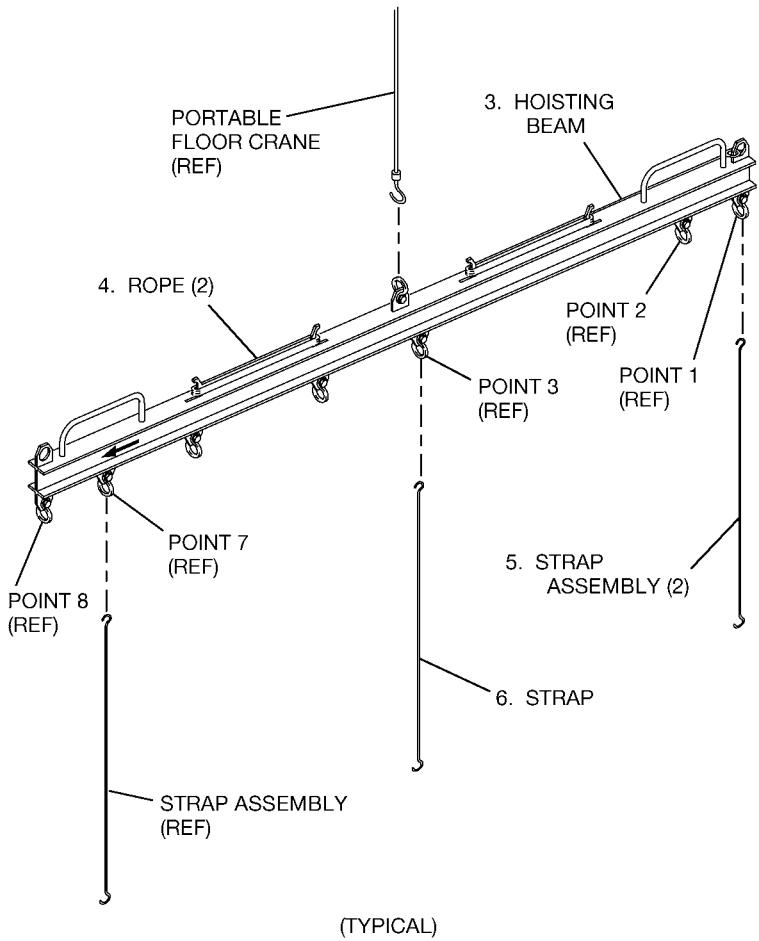
<u>Nomenclature</u>	<u>PN</u>	<u>Specification</u>	<u>Qty</u>	<u>Task</u>
Pin, Cotter	MS24665-310	--	1	3-2
Pin, Cotter	MS24665-372	--	1	3-2
Sealant	P/S 870 B-1/2	AMS 3265	AR	3-2

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. (A,B) Attach hoisting beam to portable floor crane.
- 4. (A) Unwrap rope.
- 5. (A,B) Attach strap assemblies to hoisting beam points as follows:

SPOILER REF DES	WIRE ROPE	WIRE ROPE
2761AA001	POINT 1	POINT 7
2761AA002	POINT 1	POINT 7
2761AA003	POINT 2	POINT 7
2761AA004	POINT 2	POINT 8
2761AA005	POINT 1	POINT 7
2761AA006	POINT 1	POINT 7
2761AA007	POINT 2	POINT 7
2761AA008	POINT 2	POINT 8

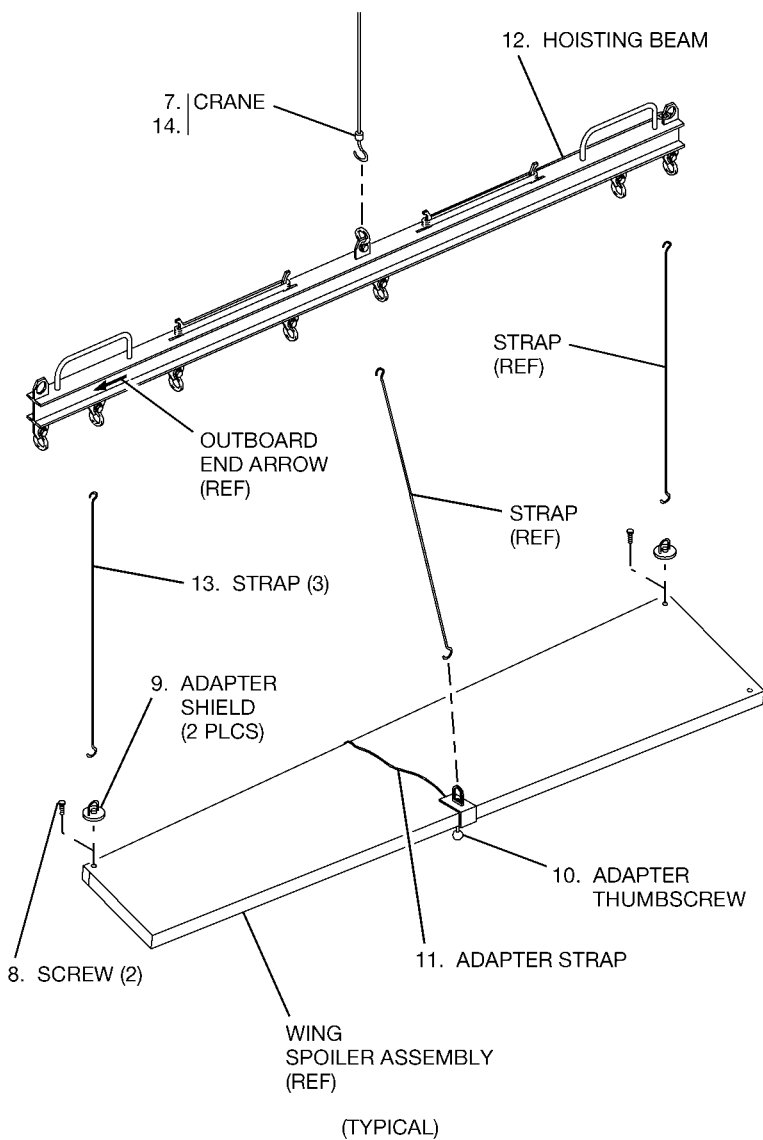
- 6. (A,B) Attach strap to hoisting beam point 3.



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TO 1300i-2-27JG-60-1

7. (A,B) Position crane over wing spoiler assembly.
8. (A) Remove screws.
9. (A) Install adapters (PN 17G111031-503) and shields; torque **50-70 in-lb.**
10. (A) Position adapter (PN 17G111031-519) on wing spoiler assembly and tighten thumbscrew.
11. (A) Position and tighten adapter strap.
12. (A) Position hoisting beam outboard end arrow pointing outboard.
13. (A,B) Attach straps to adapters.
14. (A,B) Operate crane and remove slack from straps.



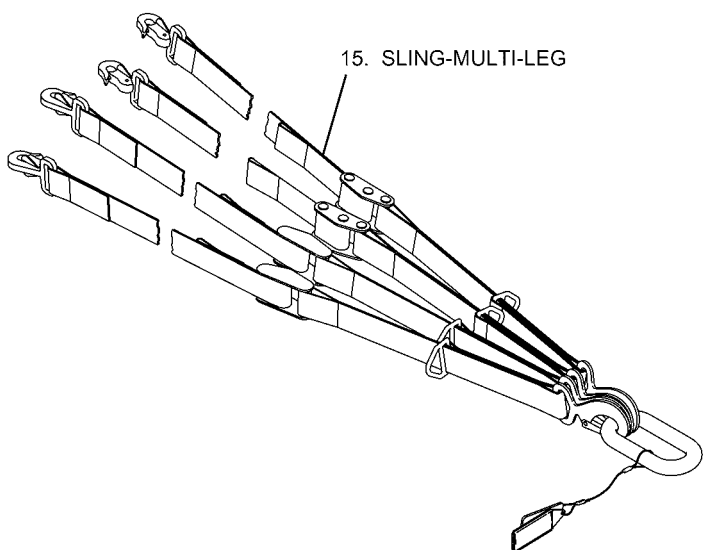
ICN-88277-G2761010-005-01

NOTE

If using Multi-leg-Sling (17G110012-1) instead of Hoisting Beam (17G110119-1) attach both outboard point straps at same length and middle strap approximately 10 inches shorter.

15. Alternate Multi-Sling Method.

- Attach Sling, Multiple-Leg (PN 17G110012-1) to portable crane.
- (A,B) Position crane over wing spoiler assembly.
- (A) Enter fuselage and wing (00-00-01).
- (A) Remove screws.
- (A) Install adapters (PN 17G111031-503) and shields; torque **50-70 in-lb.**
- (A) Remove cotter pin, nut, washer, and bolt from actuator rod end.
- (A) Position adapter (PN 17G111031-519) on wing spoiler assembly and tighten thumbscrew.
- (A) Attach both outboard point straps at same length and middle strap approximately 10 inches shorter than the outboard to adapters.
- (A,B) Operate crane and remove slack from straps.



ICN-88277-G2761214-001-01

3-2. INSTALLATION.



When installing the spoiler, care must be taken to ensure the spoiler fairing panels are positioned below the upper trailing edge of the wing skin. Failure to comply will cause damage to aircraft.

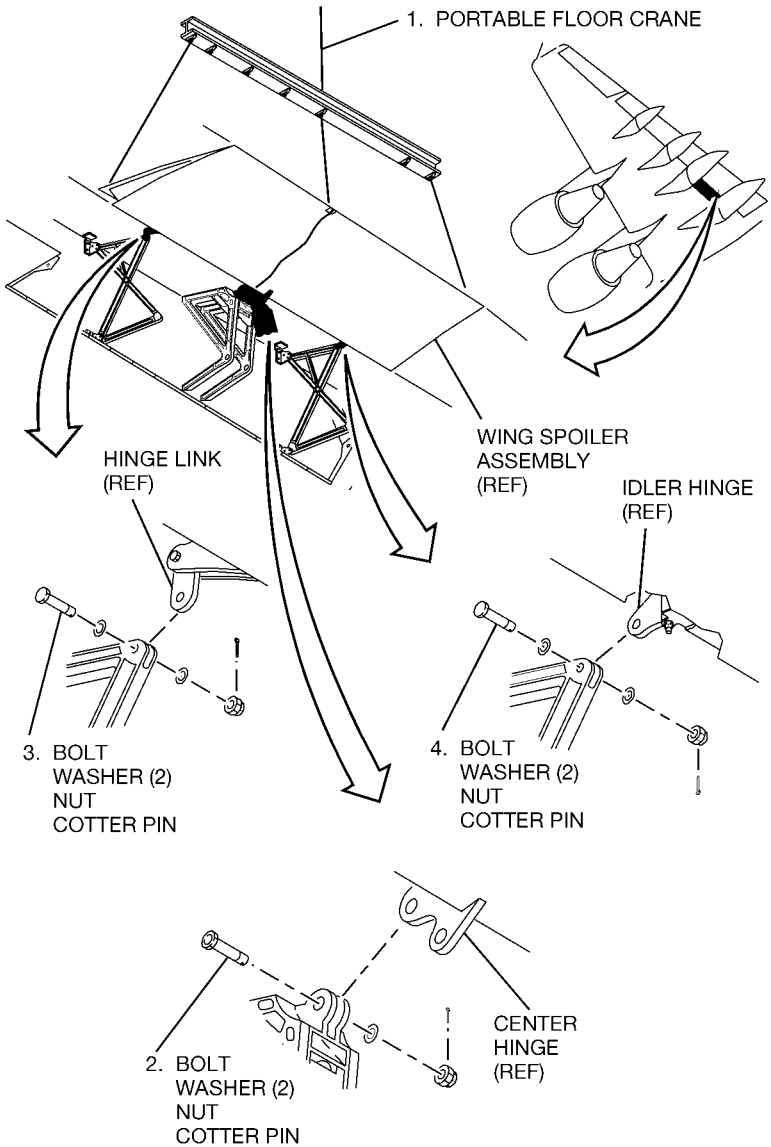
NOTE

Wing spoiler assemblies weigh approximately 78 to 122 pounds.

- 1. (A,B) Operate portable floor crane and align wing spoiler assembly on hinge link, idler hinge, and center hinge.
- 2. (A) Install bolt, washer, and nut as identified in center hinge; torque and install cotter pin as follows:

SPOILER REF DES	TORQUE	COTTER PIN
2761AA001	600-730 in-lb	MS24665-309
2761AA002	600-730 in-lb	MS24665-309
2761AA003	900-1030 in-lb	MS24665-310
2761AA004	900-1030 in-lb	MS24665-310
2761AA005	900-1030 in-lb	MS24665-310
2761AA006	900-1030 in-lb	MS24665-310
2761AA007	600-730 in-lb	MS24665-309
2761AA008	600-730 in-lb	MS24665-309

- 3. (A) Install bolt, washers, and nut as identified in hinge link; torque **100-140 in-lb** and install cotter pin (PN MS24665-88).
- 4. (A) Install bolt, washers, and nut as identified in idler hinge; torque **100-140 in-lb** and install cotter pin (PN MS24665-88).

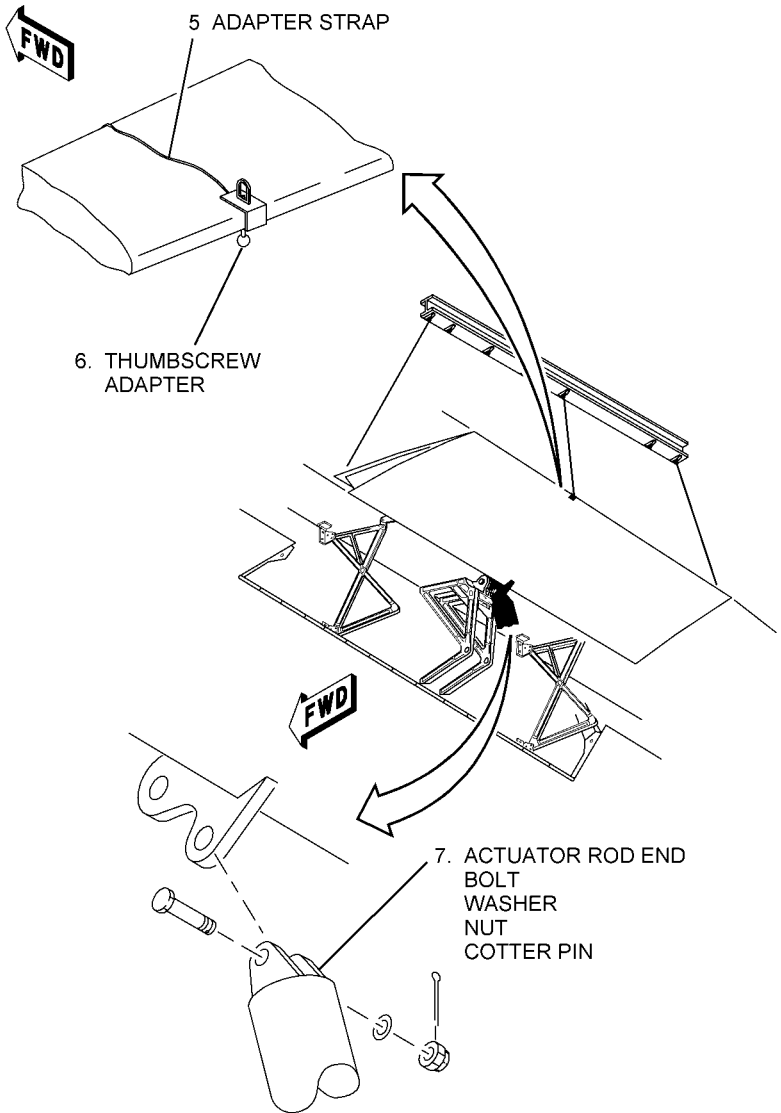


(TYPICAL)

ICN-88277-G2761011-004-01

TO 1300i-2-27JG-60-1

5. (A) Loosen and disconnect adapter strap.
6. (A) Loosen thumbscrew and remove adapter.
7. (A) Position actuator rod end and install bolt, washer, and nut; torque **240-300 in-lb** and install cotter pin (PN MS24665-372).

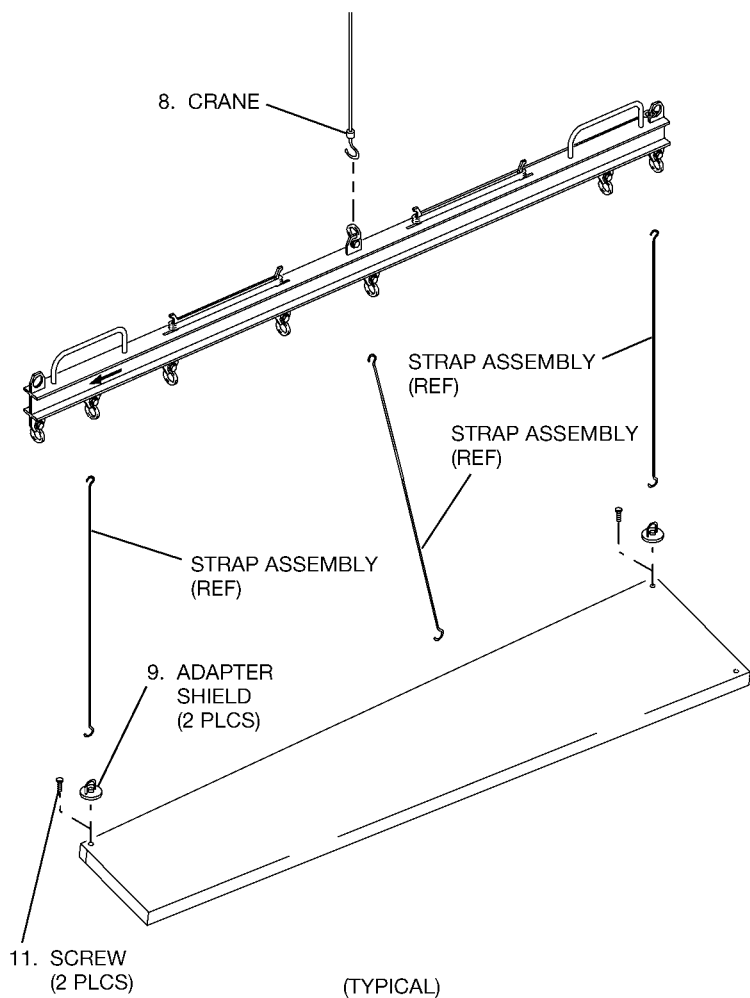


(TYPICAL)

ICN-88277-G2761105-005-01

TO 1300i-2-27JG-60-1

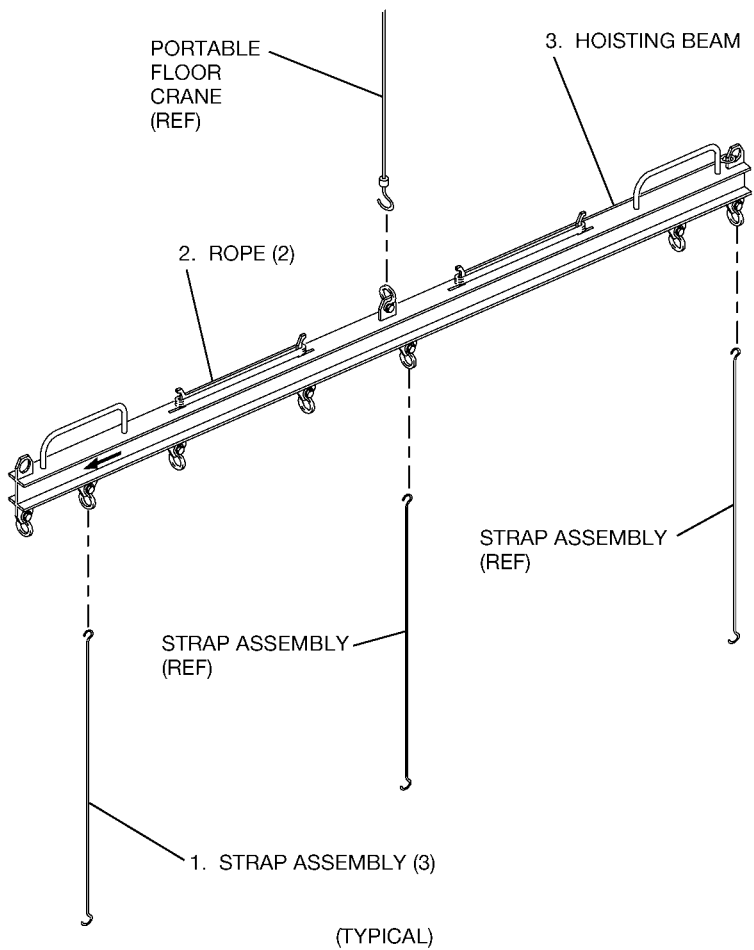
8. (A,B) Operate crane to relieve tension; disconnect strap assemblies from hoisting adapters.
9. (A) Remove adapters and shields.
10. Perform wet fastener installation (TO 1300i-23, Chapter 1, Section III).
11. (A) Install screws.
12. Exit fuselage and wing (00-00-01).



ICN-88277-G2761012-005-01

3-3. FOLLOW-ON MAINTENANCE.

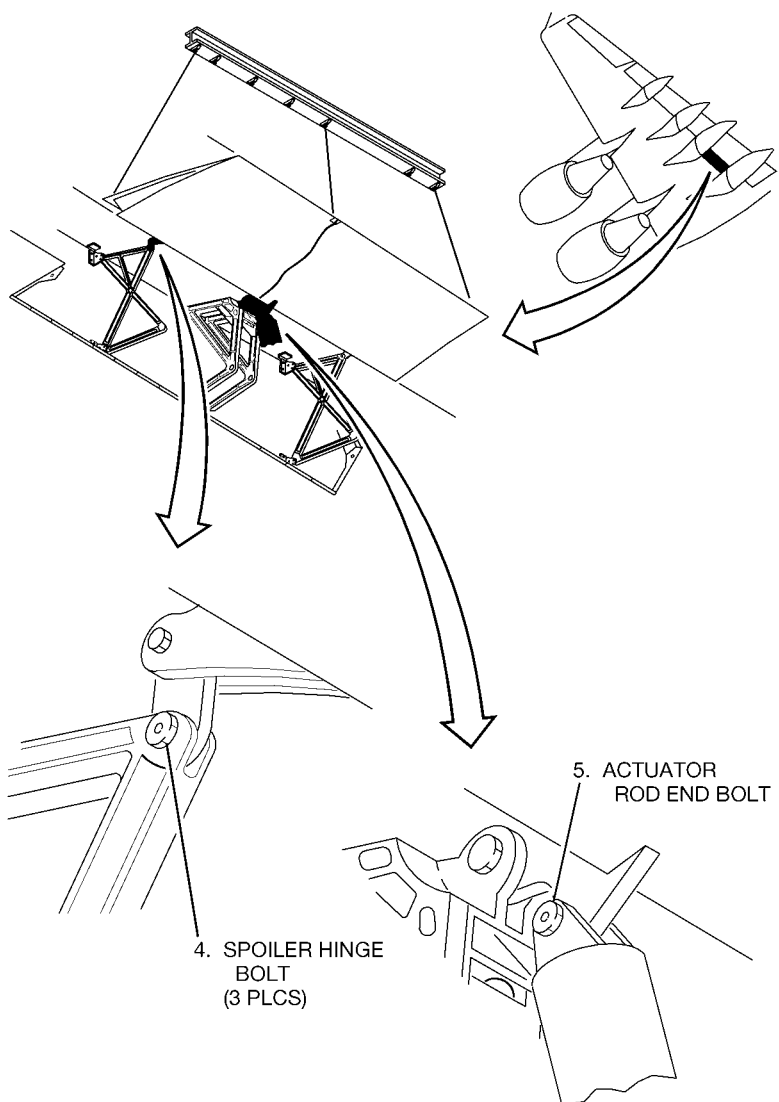
1. (A) Remove strap assemblies from hoisting beam.
2. (A) Wrap ropes.
3. (A,B) Remove hoisting beam from portable floor crane.



ICN-88277-G2761013-004-01

TO 1300i-2-27JG-60-1

4. (A) Lubricate spoiler hinge bolts with aircraft grease.
5. (A) Lubricate actuator rod end bolt with grease.

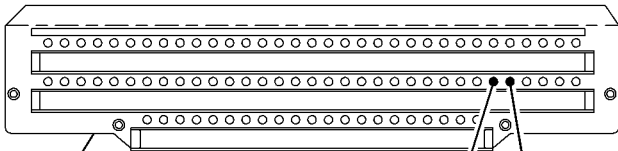
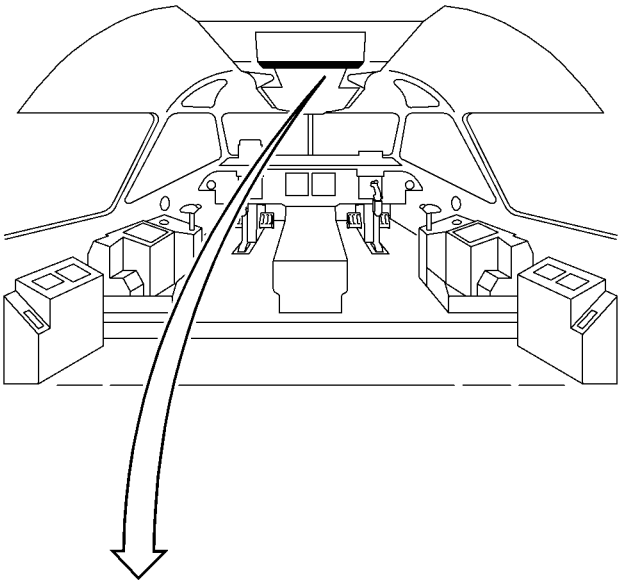


(TYPICAL)

ICN-88277-G2761017-003-01

TO 1300i-2-27JG-60-1

6. (A) Remove warning tag and close **SCEFC 1** circuit breaker on overhead circuit breaker panel, row **H**, column **28**.
7. (A) Remove warning tag and close **SCEFC 2** circuit breaker on overhead circuit breaker panel, row **H**, column **29**.



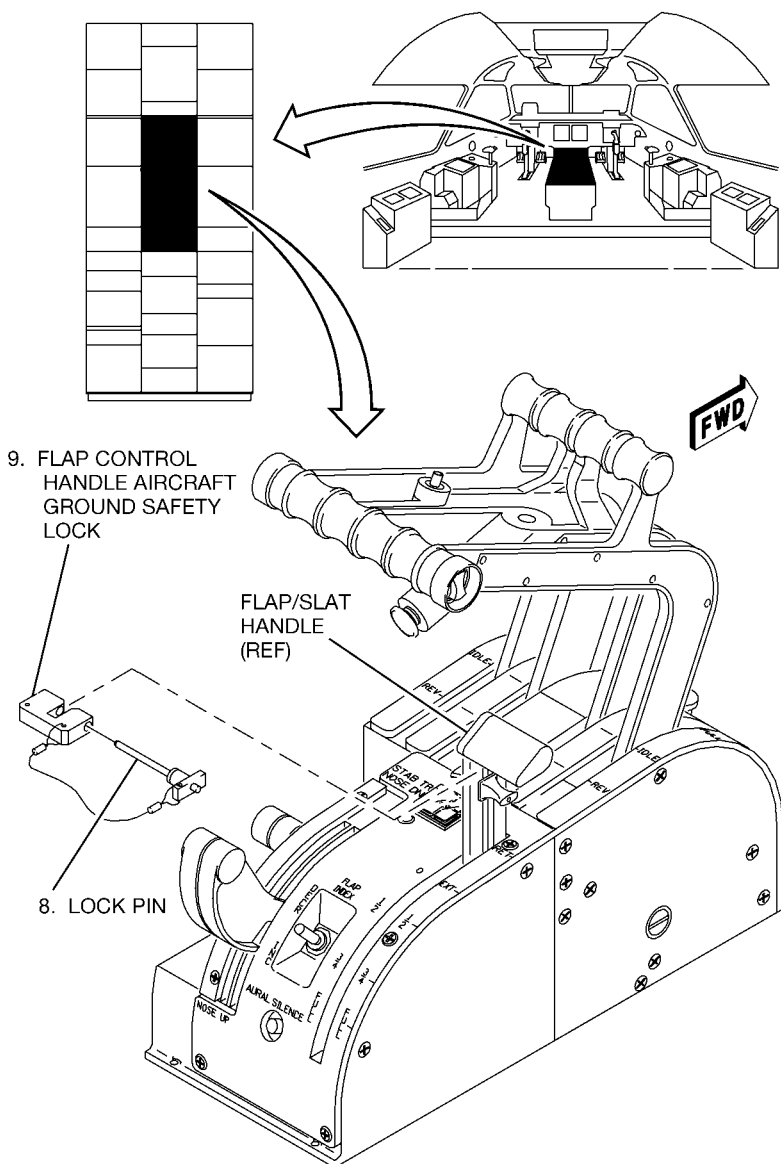
OVERHEAD CIRCUIT
BREAKER PANEL
(REF)

6. SCEFC 1

7. SCEFC 2

TO 1300i-2-27JG-60-1

8. (A) Remove lock pin from flap control handle aircraft ground safety lock on flap/slat handle.
9. (A) Remove ground safety lock.



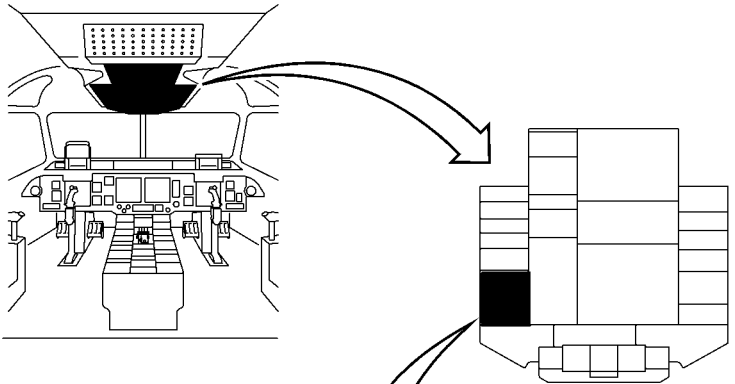
ICN-88277-G2761015-004-01

TO 1300i-2-27JG-60-1

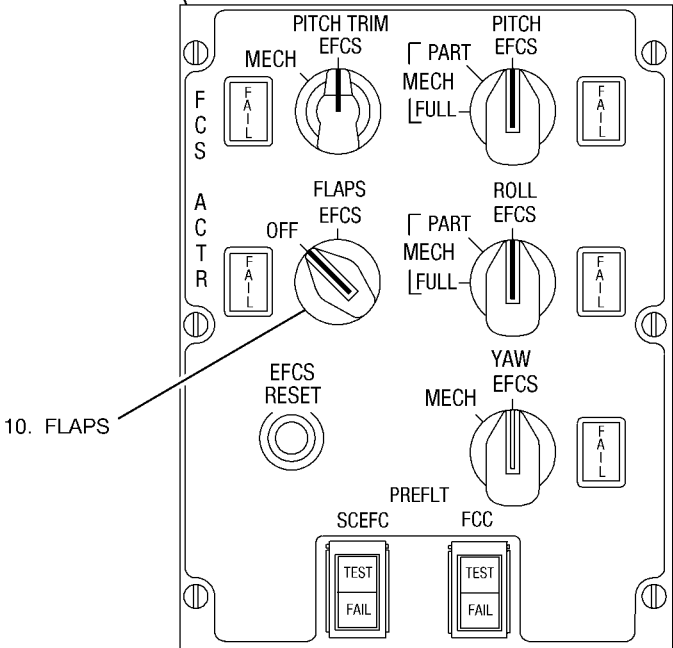
10. (A) Remove warning tag from **FLAPS** switch on **FCS ACTR** panel.
11. Perform spoilers system mechanical rigging (27-60-02) as follows:

SPOILER REF DES	SPOILER/FLAP INTERCONNECT PUSHROD ASSEMBLY TO RIG
2761AA001	2764MP012
2761AA002	2764MP011
2761AA003	2764MP010
2761AA004	2764MP009
2761AA005	2764MP013
2761AA006	2764MP014
2761AA007	2764MP015
2761AA008	2764MP016

12. Operate flaps system and position flap/slat handle to **UP/RET** (27-50-03, task 03-1).
13. Perform spoiler linear electro-hydraulic actuator operational checkout. (27-64-10).
14. Perform flight controls system major rig (27-00-01, task 01-2).
15. Perform spoilers system operational checkout (27-60-01).



FCS ACTR PANEL
(REF)



ICN-88277-G2761016-003-01

16. Raise lower wing fixed trailing edge door assemblies (57-54-01).

SPOILER REF DES	DOOR NO.	DOOR REF DES
2761AA001	565EBD	5754CA032
2761AA002	565CBD	5754CA030
	565DBD	5754CA031
2761AA003	565BBD	5754CA029
	565CBD	5754CA030
2761AA004	565ABD	5754CA028
	565BBD	5754CA029
2761AA005	665ABD	5754CA037
	665BBD	5754CA036
2761AA006	665BBD	5754CA036
	665CBD	5754CA035
2761AA007	665CBD	5754CA035
	665DBD	5754CA034
2761AA008	665EBD	5754CA033

WING SPOILER ASSEMBLY REPAIR
(27-61-10-4)

FUNCTIONAL INPUT CONDITIONS:

Applicability:	Task
All	All

Additional information:

This procedure consists of the following tasks:

- 4-1. Preparation.
- 4-2. Repair wing spoiler assembly by replacing edge seal for 2761AA001, 2761AA002, 2761AA003, 2761AA006, 2761AA007, and 2761AA008.
- 4-3. Repair wing spoiler assembly by replacing edge seal for 2761AA004 and 2761AA005.
- 4-4. Repair wing spoiler assembly by replacing idler hinge.
- 4-5. Repair wing spoiler assembly by replacing hinge link.
- 4-6. Repair wing spoiler assembly by replacing spoiler fairing panel.
- 4-7. Follow-on maintenance.

NOTE	Task
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These are typical repair tasks for all wing spoiler assemblies.	All
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Additional data:	Task
TO 1300i-2-00JG-00-1	4-2, 4-3
TO 1300i-2-05JG-10-1	4-1, 4-4, 4-7
TO 1300i-2-57JG-50-1	4-6
TO 1300i-23	4-6

Personnel recommended:

One

Task

4-1,
4-2,
4-3,
4-5,
4-7

Two

4-4,
4-6

Person (A) performs task.
Person (B) assists person (A).

Safety conditions:

Task



Areas below lower wing fixed trailing edge door assembly shall remain clear of personnel when door is in lowered position and suspended from lanyards. Failure to comply may cause injury to personnel or damage to aircraft.

4-6

Support equipment:

<u>Nomenclature</u>	<u>PN</u>	<u>Specification</u>	<u>Qty</u>	<u>Task</u>
Wrench, Torque	--	(0-30 in-lb)	1	4-4
Wrench, Torque	--	(0-150 in-lb)	1	4-4, 4-5

Supplies:

<u>Nomenclature</u>	<u>PN</u>	<u>Specification</u>	<u>Qty</u>	<u>Task</u>
Grease, Aircraft	--	MIL-G-81322	AR	4-4, 4-5
Pin, Cotter	MS24665-88	--	1	4-4
Pin, Cotter	MS24665-88	--	2	4-5
Pin, Cotter	MS24665-153	--	1	4-4
Seal, Inboard Edge  →	17P6P9441	--	AR	4-3

<u>Nomenclature</u>	<u>PN</u>	<u>Specification</u>	<u>Qty</u>	<u>Task</u>
Seal, Outboard Edge	17P6P9138	--	AR	4-2, 4-3
Sealant	PR-1775 B-2	AMS 3265	AR	4-6
Strip, Inboard Rub AA → BR	17P6P9145	--	AR	4-3
Washer	S2431218-4C8E	--	1	4-4

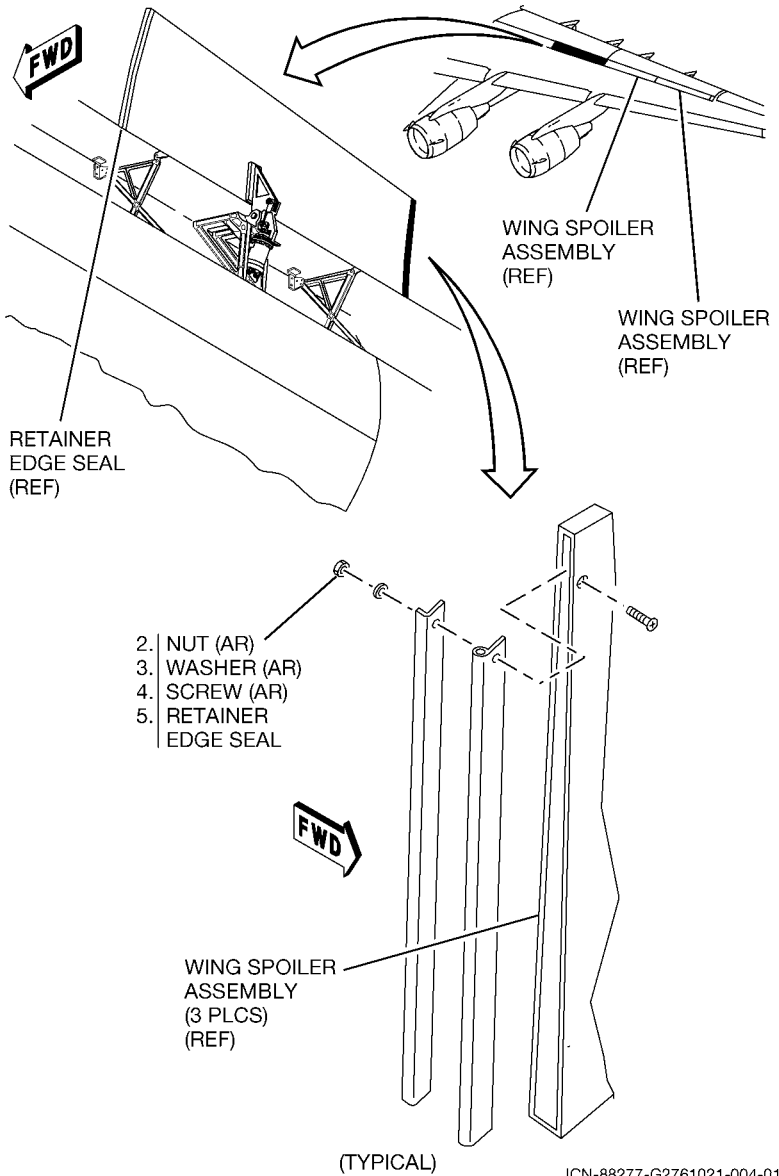
4-1. PREPARATION.

- 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 spoiler positioning support assembly (05-10-04) as follows:

SPOILER ASSEMBLY REF DES	TASK
2761AA001	04-1 AND 04-3
2761AA002	
2761AA007	
2761AA008	
2761AA003	04-1 AND 04-2
2761AA004	
2761AA005	
2761AA006	

**4-2. REPAIR WING SPOILER ASSEMBLY BY
REPLACING EDGE SEAL FOR 2761AA001,
2761AA002, 2761AA003, 2761AA006,
2761AA007, AND 2761AA008.**

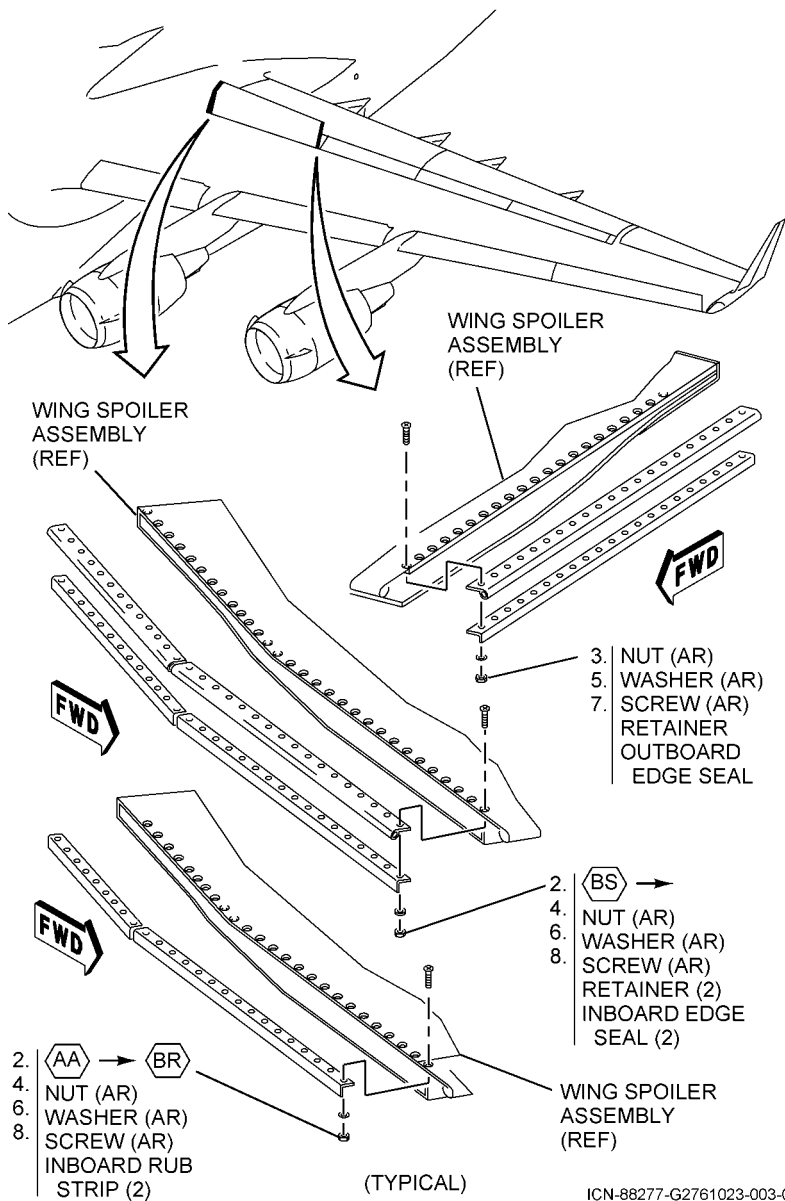
1. Enter fuselage and wing (00-00-01).
2. Remove nuts, washers, screws, retainer, and outboard edge seal (P/N 17P6P9138).
3. Position edge seal on retainer, identify and punch holes.
4. Position edge seal and retainer on wing spoiler assembly.
5. Install screws, washers, and nuts.
6. Exit fuselage and wing (00-00-01).



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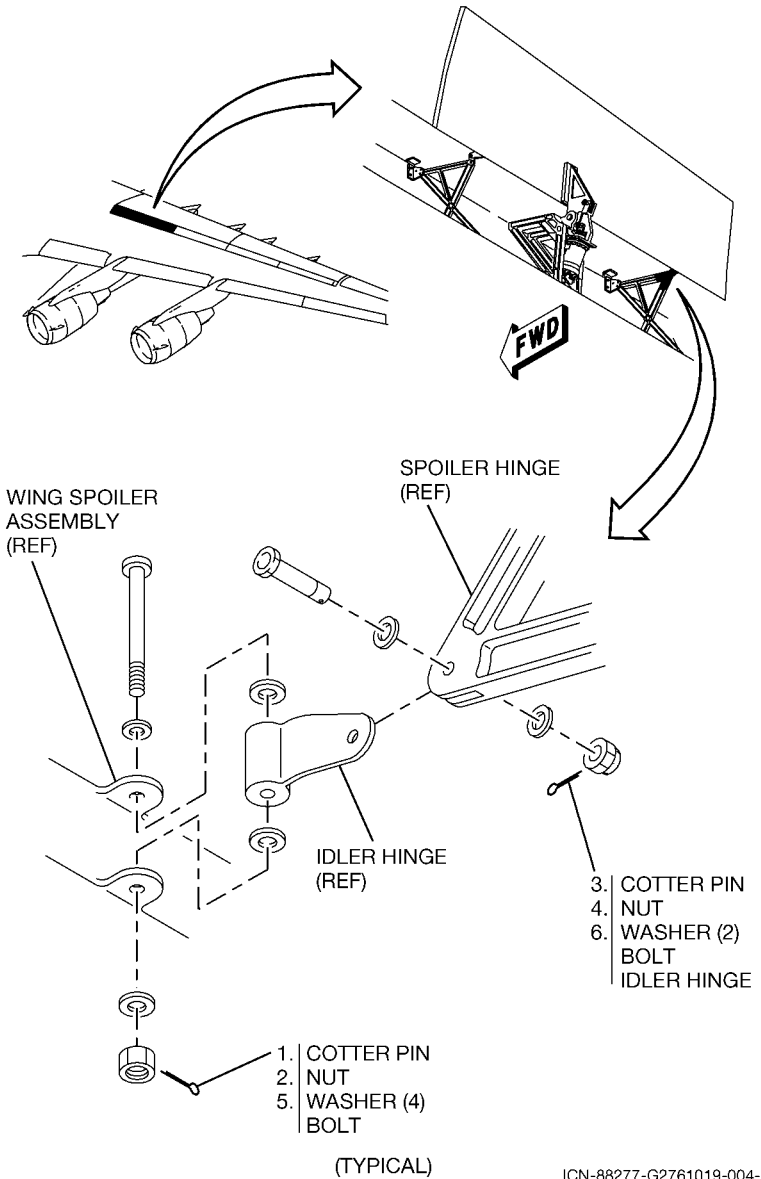
4-3. REPAIR WING SPOILER ASSEMBLY BY REPLACING EDGE SEAL FOR 2761AA004 AND 2761AA005.

1. Enter fuselage and wing (00-00-01).
2. **AA** → **BR** Remove nuts, washers, screws and inboard rub strips.
2. **BS** → Remove nuts, washers, screws, retainers, and inboard edge seals (P/N 17P6P9441).
3. Remove nuts, washers, screws, retainer, and outboard edge seal (P/N 17P6P9138).
4. **AA** → **BR** Position inboard rub strips; identify and punch holes.
4. **BS** → Position inboard edge seals (P/N 17P6P9441) on retainers; identify and punch holes.
5. Position outboard edge seal (P/N 17P6P9138) on retainer; identify and punch holes.
6. **AA** → **BR** Position inboard rub strips on wing spoiler assembly.
6. **BS** → Position inboard edge seals (P/N 17P6P9441) and retainers on wing spoiler assembly.
7. Position outboard edge seal (P/N 17P6P9138) and retainer on wing spoiler assembly.
8. Install screws, washers, and nuts.
9. Exit fuselage and wing (00-00-01).



4-4. REPAIR WING SPOILER ASSEMBLY BY REPLACING IDLER HINGE.

1. (A) Remove cotter pin from nut.
2. (A) Identify and remove nut, washers, and bolt from wing spoiler assembly.
3. (A) Remove cotter pin, nut, washers, bolt, and idler hinge from spoiler hinge.
4. (A) Position idler hinge and install bolt, washers, and nut; torque **100-140 in-lb** and install cotter pin (MS24665-88).
5. (A) Install bolt, washers, and nut as identified; torque **12 in-lb** and then continue tightening until the cotter pin can be installed (MS24665-153).
6. (A) Lubricate spoiler hinge bolt with aircraft grease.



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7. Remove spoiler positioning support assembly (05-10-04) as follows:

SPOILER ASSEMBLY REF DES	TASK
2761AA001	04-5 AND 04-6
2761AA002	
2761AA007	
2761AA008	
2761AA003	04-4 AND 04-6
2761AA004	
2761AA005	
2761AA006	

8. (B) Raise wing spoiler assembly until idler hinge contacts idler hinge bracket.

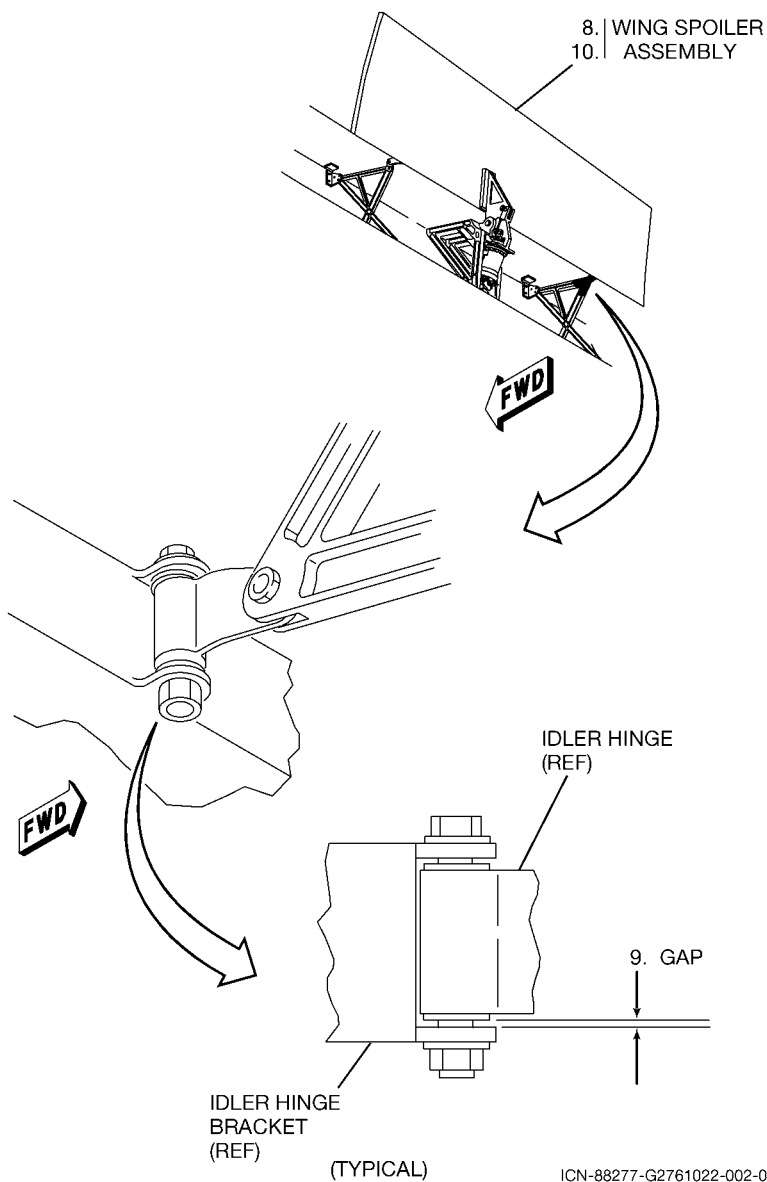
NOTE

One additional washer (PN S2431218-4C8E) may be added when maximum gap .057 inch is exceeded.

9. (A) Measure gap between idler hinge and idler hinge bracket.

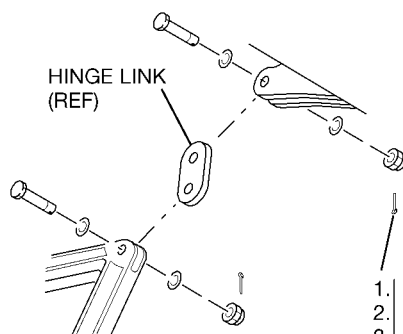
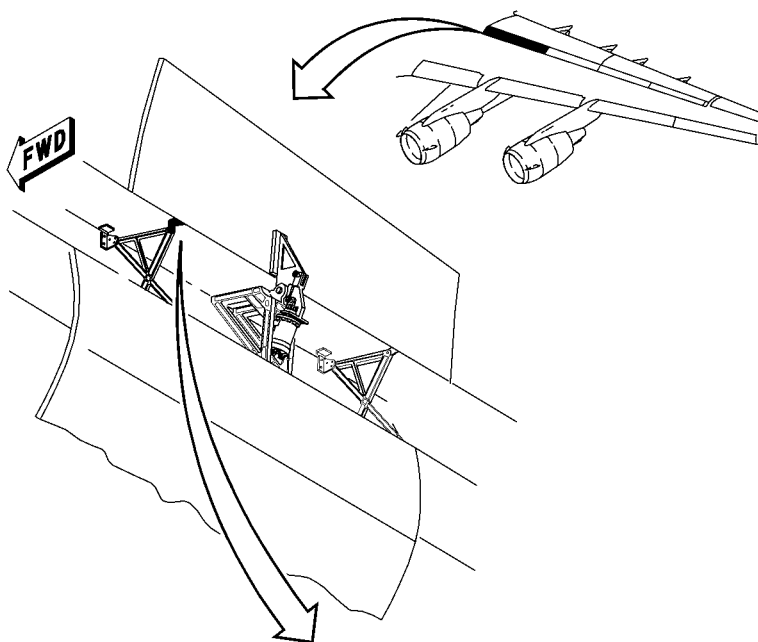
- 0.057 inch maximum gap.

10. (B) Lower wing spoiler assembly.



4-5. REPAIR WING SPOILER ASSEMBLY BY REPLACING HINGE LINK.

1. Remove cotter pins, nuts, washers, bolts, and hinge link.
2. Position hinge link and install bolts, washers, and nuts; torque **100-140 in-lb** and install cotter pins.
3. Lubricate bolts with aircraft grease.



(TYPICAL)

1. COTTER PIN (2)
2. NUT (2)
3. WASHER (4)
- BOLT (2)
- HINGE LINK

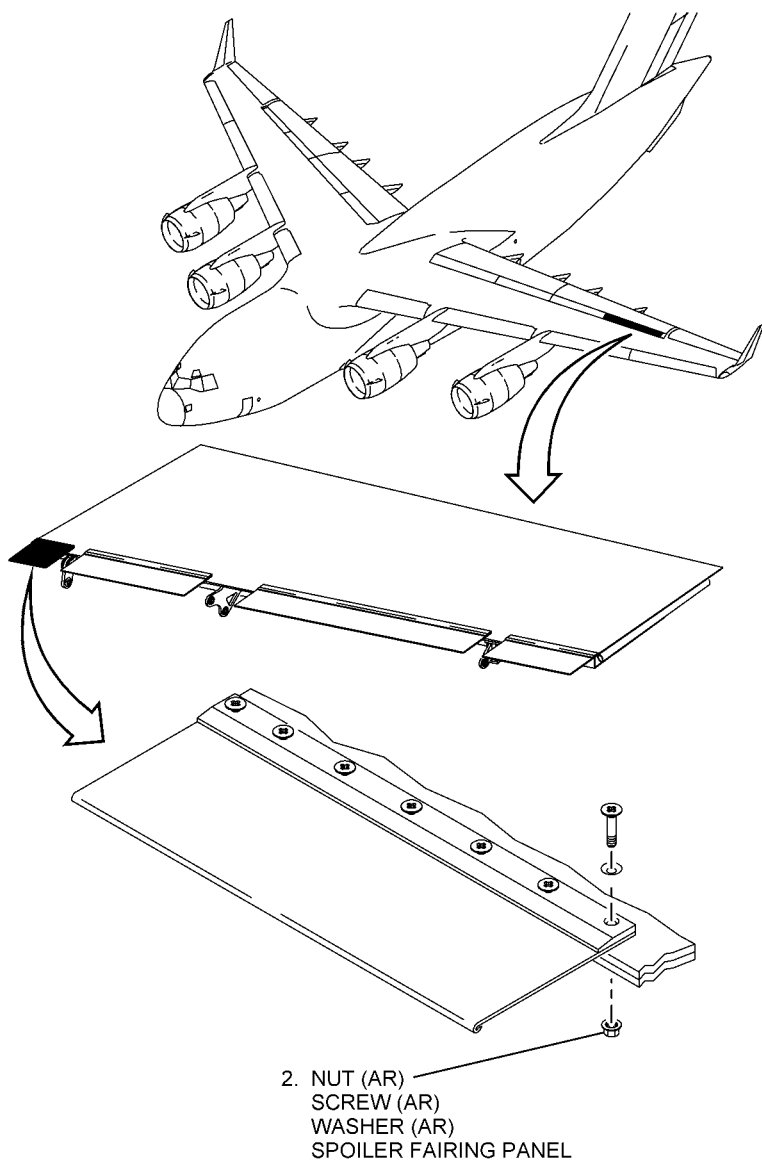
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4-6. REPAIR WING SPOILER ASSEMBLY BY REPLACING SPOILER FAIRING PANEL.

1. Lower lower wing fixed trailing edge door assemblies (57-54-01).

SPOILER REF DES	DOOR NO.	DOOR REF DES
2761AA001	565EBD	5754CA032
2761AA002	565CBD	5754CA030
	565DBD	5754CA031
2761AA003	565BBD	5754CA029
	565CBD	5754CA030
2761AA004	565ABD	5754CA028
	565BBD	5754CA029
2761AA005	665ABD	5754CA037
	665BBD	5754CA036
2761AA006	665BBD	5754CA036
	665CBD	5754CA035
2761AA007	665CBD	5754CA035
	665DBD	5754CA034
2761AA008	665EBD	5754CA033

2. (A,B) Remove nuts, screws, washers, and spoiler fairing panel.

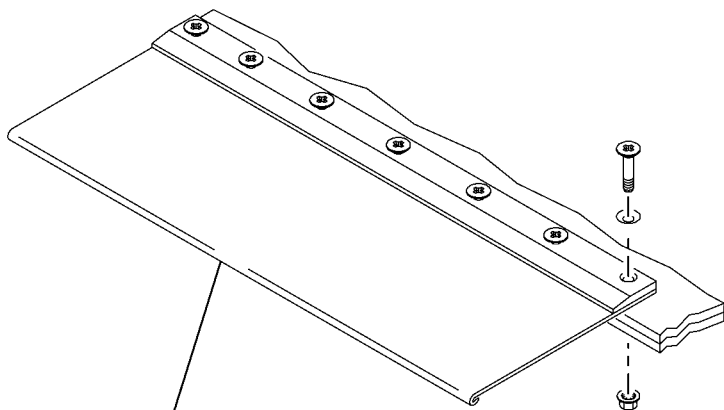


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TO 1300i-2-27JG-60-1

3. Perform edge sealing (TO 1300i-23, Chapter 1, Section III).
4. Perform wet fastener installation (TO 1300i-23, Chapter 1, Section III).
5. (A,B) Position spoiler fairing panel; install screws, washers, and nuts.
6. Lower lower wing fixed trailing edge door assemblies (57-54-01).

SPOILER REF DES	DOOR NO.	DOOR REF DES
2761AA001	565EBD	5754CA032
2761AA002	565CBD	5754CA030
	565DBD	5754CA031
2761AA003	565BBD	5754CA029
	565CBD	5754CA030
2761AA004	565ABD	5754CA028
	565BBD	5754CA029
2761AA005	665ABD	5754CA037
	665BBD	5754CA036
2761AA006	665BBD	5754CA036
	665CBD	5754CA035
2761AA007	665CBD	5754CA035
	665DBD	5754CA034
2761AA008	665EBD	5754CA033



5. SPOILER FAIRING PANEL
SCREW (AR)
WASHER (AR)
NUT (AR)

ICN-88277-G2761211-002-01

4-7. FOLLOW-ON MAINTENANCE.

1. Remove spoiler positioning support assembly (05-10-04) as follows:

SPOILER ASSEMBLY REF DES	TASK
2761AA001	04-5 AND 04-6
2761AA002	
2761AA007	
2761AA008	
2761AA003	
2761AA004	04-4 AND 04-6
2761AA005	
2761AA006	

SPOILERS SYSTEM REPAIR
(27-63-02)

GENERAL MAINTENANCE INPUT CONDITIONS:

Applicability:	Task
All	All

Additional information:

This procedure consists of the following task:

- 02-1. Repair spoilers system by replacing direct lift control thumb switch.

NOTE	Task
This is a typical spoilers system repair task.	All

Additional data:	Task
AFI 21-101	All
TO 00-20-1	All
TO 1-1A-14	All
TO 1300i-2-00GV-00-1	All
TO 1300i-2-22JG-30-1 TO	All
1300i-2-27WD-00-5 TO	All
1300i-23	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>
Sealant	738RTV	MIL-A-46146 Type 1	AR	All

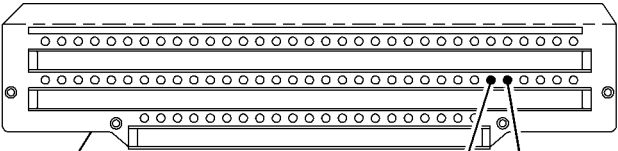
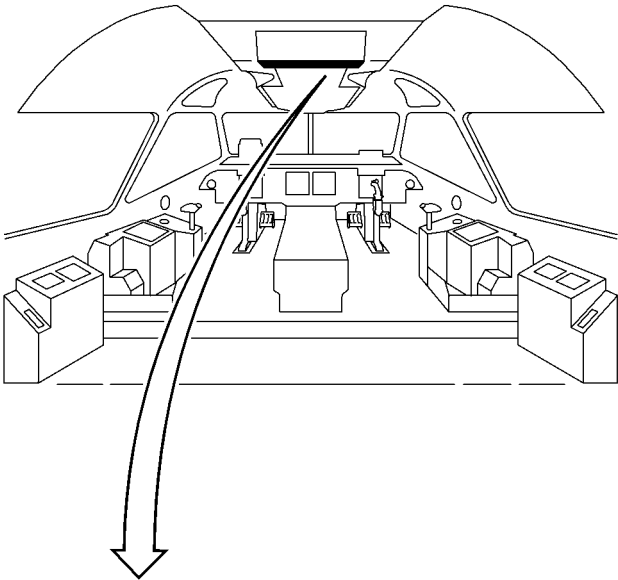
02-1. REPAIR SPOILERS SYSTEM BY REPLACING DIRECT LIFT CONTROL THUMB SWITCH.

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.

WARNING

Warning tags shall be attached to all opened circuit breakers as directed by the technical order and an applicable warning statement shall be entered in the AFTO Form/IMT 781A, IAW TO 00-20-1, AFI 21-101 and TO 1300i-2-00GV-00-1, Chapter 5 anytime exiting cockpit circuit breaker area before task completion or there is a delay in maintenance where task cannot be fully accomplished. Failure to comply may cause injury to personnel or damage to aircraft.

3. Open **SCEFC 1** circuit breaker on overhead circuit breaker panel, row **H**, column **28**.
4. Open **SCEFC 2** circuit breaker on overhead circuit breaker panel, row **H**, column **29**.



OVERHEAD CIRCUIT
BREAKER PANEL
(REF)

3. SCEFC 1

4. SCEFC 2

TO 1300i-2-27JG-60-1

5. Remove screws on throttle lever cover.
6. Loosen setscrew.
7. Identify and remove direct lift control thumb switch (TO 1-1A-14).

NOTE

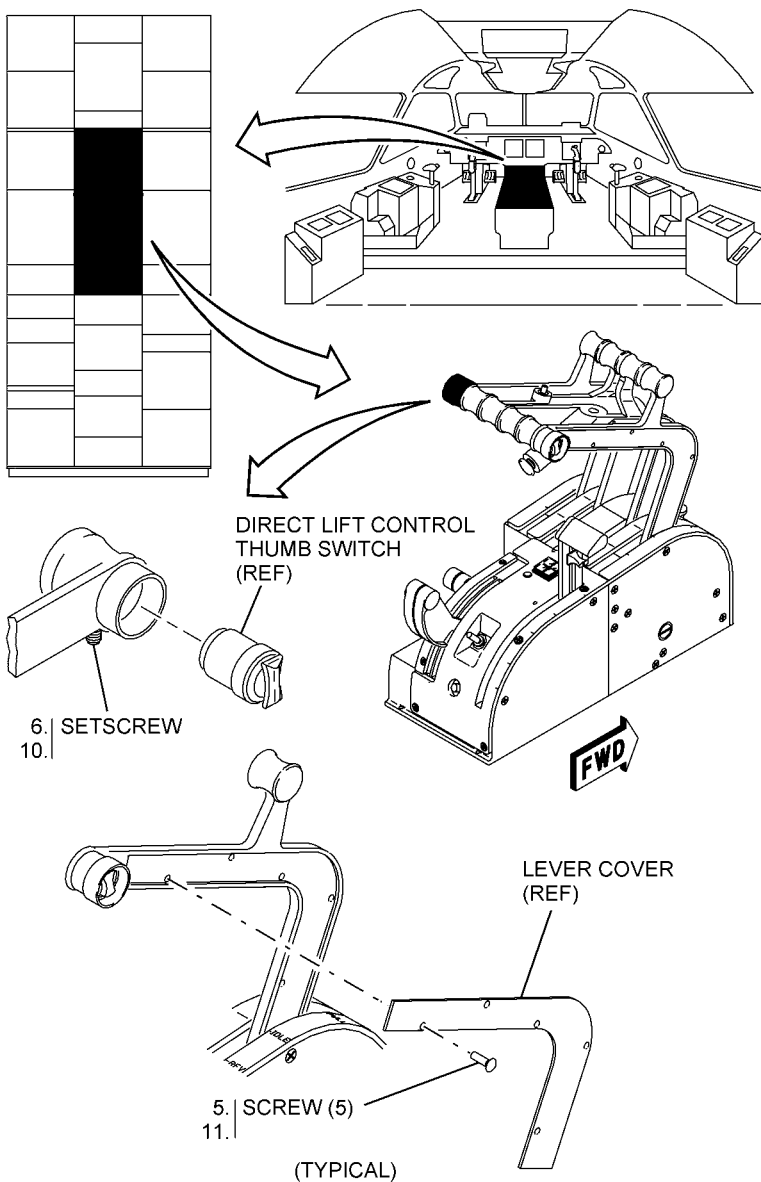
To facilitate maintenance, reference may be made to WD (TO 1300i-2-27WD-00-5, 11-27-63-05 and 11-27-63-06).

8. Perform encapsulation (TO 1300i-23, Chapter 1, Section III).

NOTE

Sealant shall be tack free prior to installation of switch.

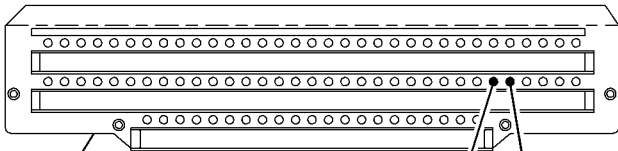
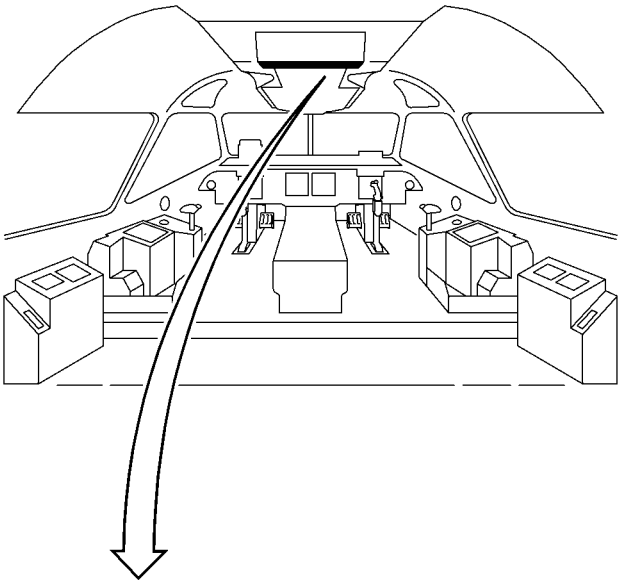
9. Install direct lift control thumb switch (TO 1-1A-14).
10. Tighten setscrew.
11. Install screws on throttle lever cover.



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TO 1300i-2-27JG-60-1

12. Close **SCEFC 1** circuit breaker on overhead circuit breaker panel, row **H**, column **28**.
13. Close **SCEFC 2** circuit breaker on overhead circuit breaker panel, row **H**, column **29**.
14. Perform spoiler system operational checkout (27-60-01).



OVERHEAD CIRCUIT
BREAKER PANEL
(REF)

12. SCEFC 1

13. SCEFC 2

