



AIRCRAFT MAINTENANCE MANUAL

SPOILER HYDRAULIC ACTUATION - INSPECTION/CHECK

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to do the inspection of the hinge points of the Ground Spoiler and Speed Brake surfaces.
- B. The procedures in this section are given in the sequence below. The tasks identified with (♦) are part of the Scheduled Maintenance Requirements Document (SMRD).

TASK NUMBER	DESCRIPTION	EFFECTIVITY
27-62-00-200-801-A	SPOILER SURFACE HINGE POINTS - GENERAL VISUAL INSPECTION	ALL



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TASK 27-62-00-200-801-A

EFFECTIVITY: ALL

2. SPOILER SURFACE HINGE POINTS - GENERAL VISUAL INSPECTION

A. General

- (1) The function of this inspection is to check for general condition of the equipment.

B. References

REFERENCE	DESIGNATION
AMM TASK 20-40-01-860-801-A/200	ENERGIZATION OF THE AIRCRAFT WITH AN EXTERNAL POWER SOURCE
AMM TASK 29-10-00-860-801-A/200	HYDRAULIC SYSTEM - PRESSURIZATION WITH HTS

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
5712/6712		Wing
5713/6713		Wing

D. Tools and Equipment

ITEM	DESCRIPTION	PURPOSE	QTY
GSE 066	Ground Spoiler Locking Clamp	To lock the Ground Spoiler actuator	
GSE 067	Speed Brake Locking Clamp	To lock the Speed Brake actuator	

E. Auxiliary Items

Not Applicable

F. Consumable Materials

Not Applicable

G. Expandable Parts

Not Applicable

H. Persons Recommended

QTY	FUNCTION	PLACE
01	Does the task	Wing

I. Preparation

SUBTASK 841-002-A

- (1) Make sure that the aircraft is safe for maintenance.
- (2) Do not do other tasks on flap and spoilers system.

- (3) Energize the aircraft with External DC Power Supply ([AMM TASK 20-40-01-860-801-A/200](#)).
 - (4) Pressurize the hydraulic system ([AMM TASK 29-10-00-860-801-A/200](#)).
 - (5) Open the speed brake and ground spoiler surfaces.
 - (6) Release the pressure of the hydraulic system ([AMM TASK 29-10-00-860-801-A/200](#)).
 - (7) On the Circuit Breaker Panel, open the SPEED BRAKE, GND SPLR OUTBD and GND SPLR INBD circuit breakers and attach a DO-NOT-CLOSE tag to them.
 - (8) Set the flaps to the 0-degree position.
 - (9) Install the GSE 066 on the ground spoiler actuator and the GSE 067 on the speed brake actuator to lock the spoiler actuators ([Figure 603](#)).
- J. Inspect (General Visual) Spoilers Surface Hinge Points ([Figure 601](#)) ([Figure 602](#))
- SUBTASK 212-002-A**
- (1) Get access to the right ground spoiler actuator. Make a visual inspection in the mechanical linkage of the actuator rod end to the spoiler surface.
 - (2) Inspect the bolt, nut, washers and cotter pin for nicks, dents and other damage.
 - (3) Make an inspection in the actuator cylinder linkage to the wing structure for corrosion signs, nicks, dents and other damage.
 - (4) Make an inspection in the hydraulic connections ports of the ground spoiler actuator for signs of leakage and other damage.
 - (5) Make a visual inspection in the hinge points of the ground spoiler surface to the wing rear spar.
 - (6) Get access to the right speed brake actuator. Make a visual inspection in the mechanical linkage of the actuator rod end to the speed brake surface.
 - (7) Inspect the bolt, nut, washers and cotter pin for nicks, dents and other damage.
 - (8) Make an inspection in the actuator cylinder linkage to the wing structure for corrosion signs, nicks, dents and other damage.
 - (9) Make an inspection in the hydraulic connections ports of the speed brake actuator for signs of leakage and other damage.
 - (10) Make a visual inspection in the hinge points of the speed brake surface to the wing rear spar.
 - (11) Do steps 1 - 10 again for the left wing.

K. Follow-on

SUBTASK 842-002-A

- (1) Remove the GSE 066 from the ground spoiler actuator and the GSE 067 from the speed brake actuator to release the spoiler actuators.

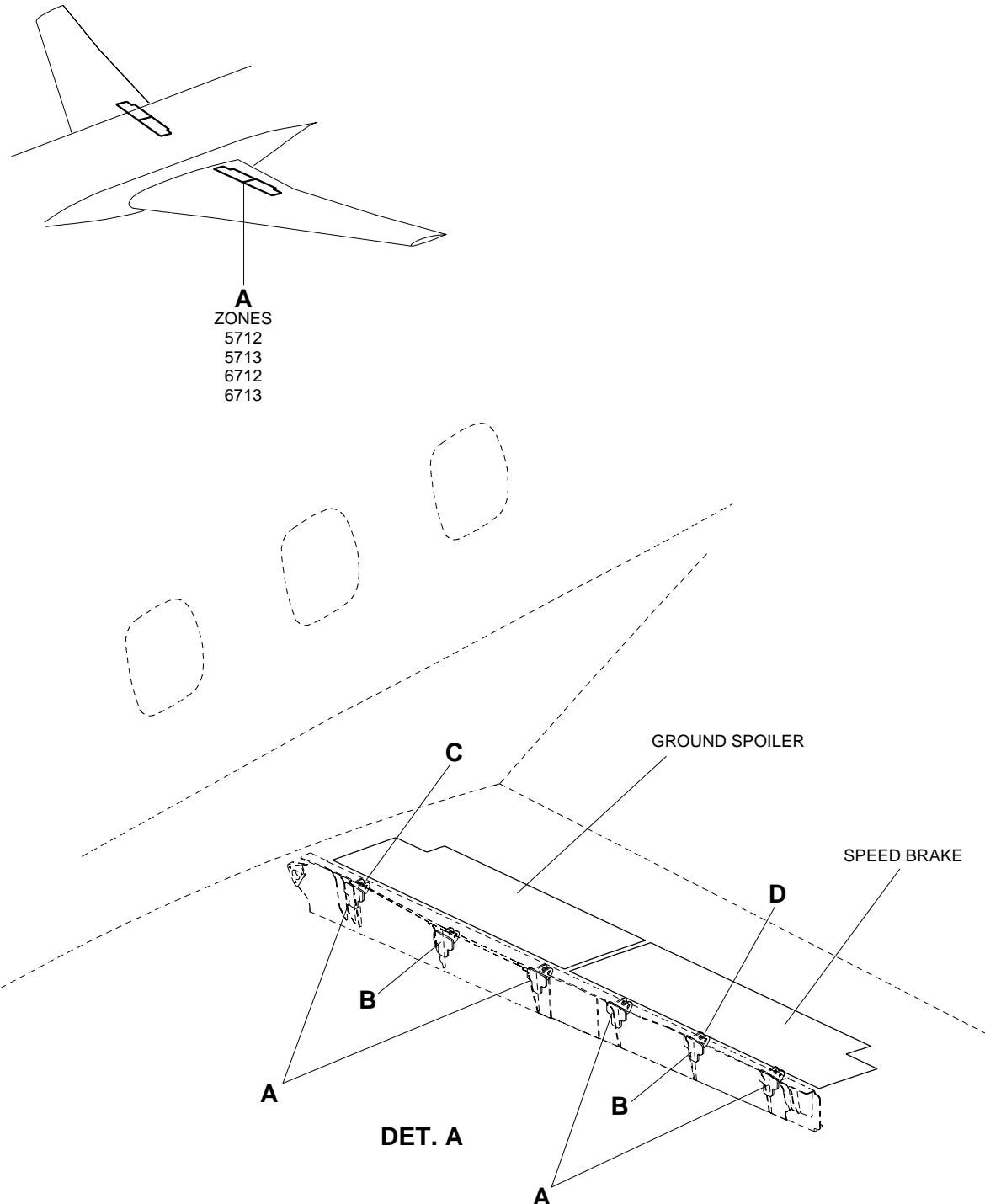


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- (2) Pressurize the hydraulic system ([AMM TASK 29-10-00-860-801-A/200](#)).
- (3) Close the speed brake and ground spoiler surfaces.
- (4) Release the pressure of the hydraulic system ([AMM TASK 29-10-00-860-801-A/200](#)).
- (5) On the Circuit Breaker Panel, close the SPEED BRAKE, GND SPLR OUTBD and GND SPLR INBD circuit breakers and remove the DO-NOT-CLOSE tag from them.
- (6) Set the flaps to the 0-degree position.
- (7) Deenergize the aircraft ([AMM TASK 20-40-01-860-801-A/200](#)).

EFFECTIVITY: ALL
Spoiler Hinge Point - Inspection
Figure 601 - Sheet 1

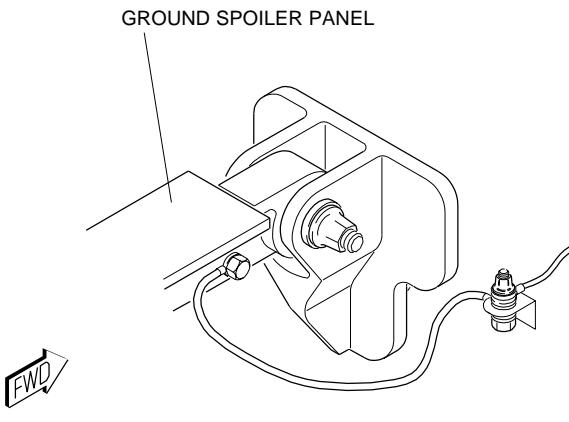
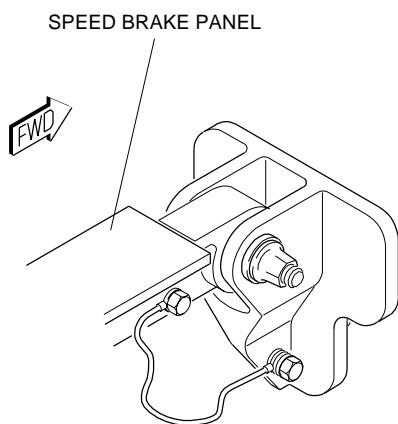
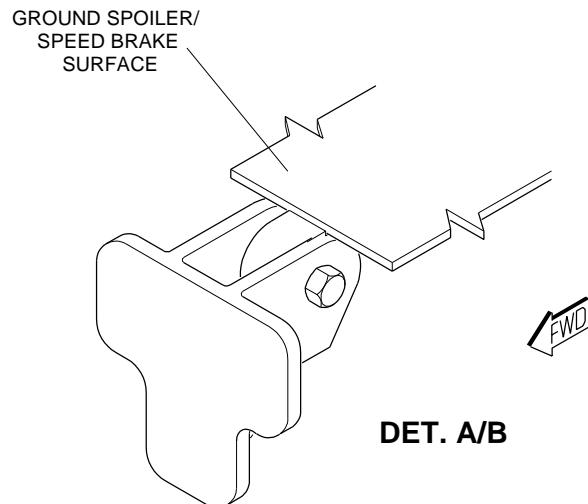


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EFFECTIVITY: ALL

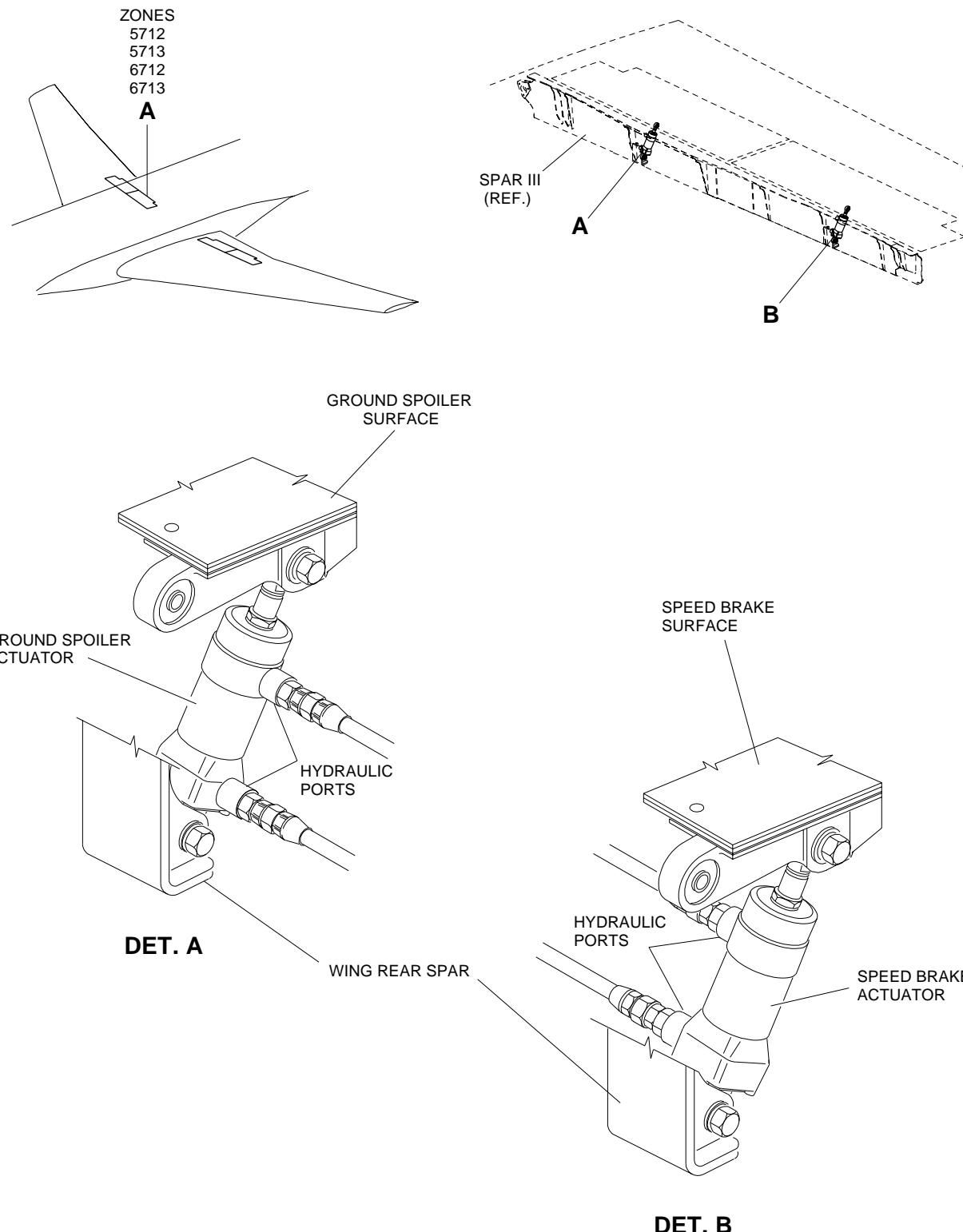
Spoiler Hinge Point - Inspection

Figure 601 - Sheet 2



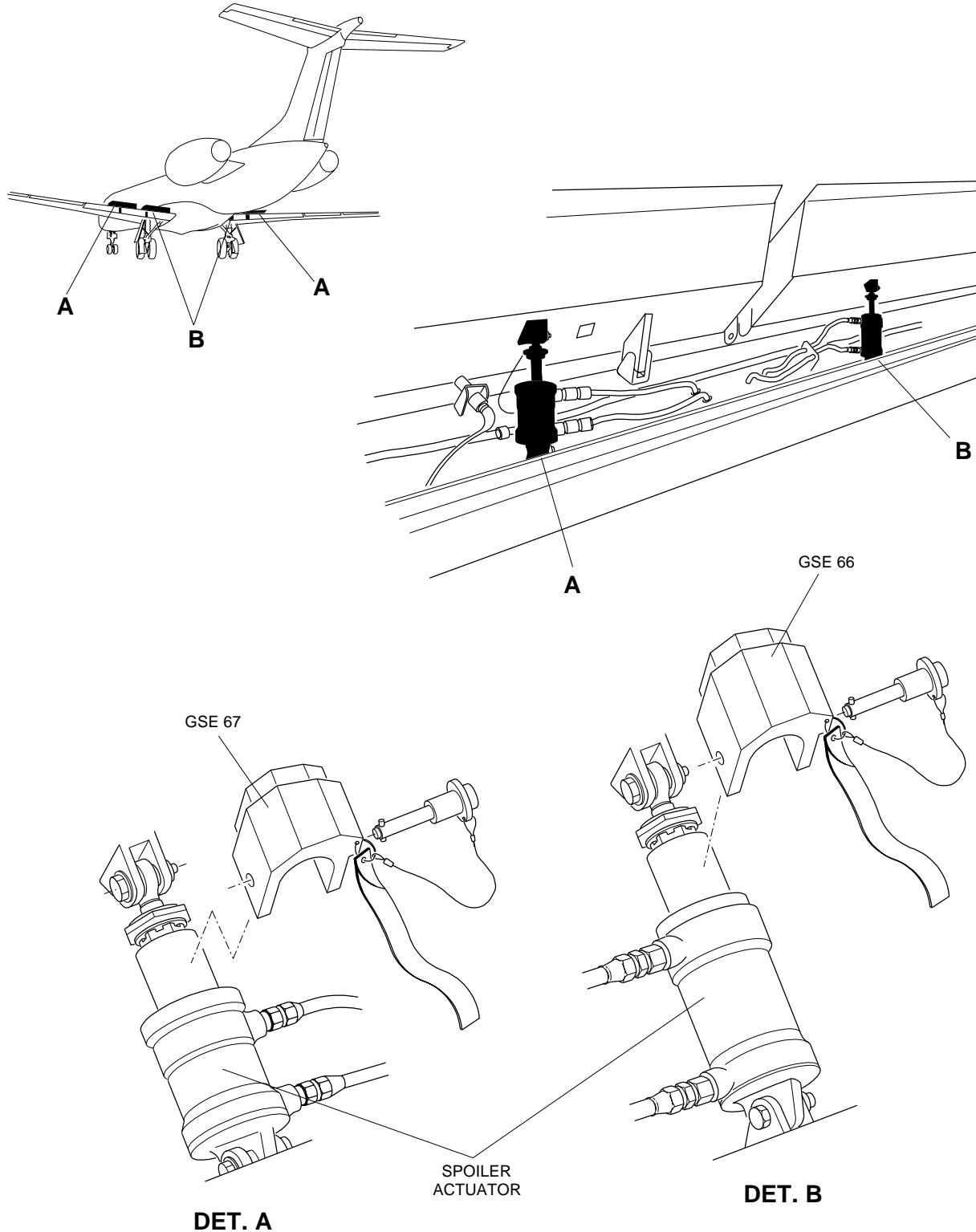
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EFFECTIVITY: ALL
Hydraulic Ports - Inspection
Figure 602


DET. B

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EFFECTIVITY: ALL
GSE 066 and GSE 067 Installation
Figure 603



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