

JIC: **A320-57-21-01 / 00**

Title: **WINGS - TPS APPLICATION, T/E CAVITIES FROM RIB 1 TO 27**

Area:

ATA: **57-21-00**

Special Codes:

A/C: **BIS**

Job Instruction Card for - / -

**ITEM ONE - WINGS - TPS APPLICATION, T/E CAVITIES FROM RIB 1 TO 27**

**Panels:** 573AB (LEFT WING - PANEL 1 - BOTTOM (LOWER) SURFACE), 573BB (LEFT WING - PANEL 2 - BOTTOM (LOWER) SURFACE), 573CB (LEFT WING - PANEL 3 - BOTTOM (LOWER) SURFACE), 573EB (LEFT WING - PANEL 5 - BOTTOM (LOWER) SURFACE), 573FB (LEFT WING - PANEL 6 - BOTTOM (LOWER) SURFACE), 574AB (LEFT WING - PANEL 1 - BOTTOM (LOWER) SURFACE), 574BB (LEFT WING - PANEL 2 - BOTTOM (LOWER) SURFACE), 575AB (LEFT WING - PANEL 1 - BOTTOM (LOWER) SURFACE), 575BB (LEFT WING - PANEL 2 - BOTTOM (LOWER) SURFACE), 575CB (LEFT WING - PANEL 3 - BOTTOM (LOWER) SURFACE), 575DB (LEFT WING - PANEL 4 - BOTTOM (LOWER) SURFACE), 575EB (LEFT WING - PANEL 5 - BOTTOM (LOWER) SURFACE), 575FB (LEFT WING - PANEL 6 - BOTTOM (LOWER) SURFACE), 575GB (LEFT WING - PANEL 7 - BOTTOM (LOWER) SURFACE), 575HB (LEFT WING - PANEL 8 - BOTTOM (LOWER) SURFACE), 575KB (LEFT WING - PANEL 10 - BOTTOM (LOWER) SURFACE), 575LB (LEFT WING - PANEL 11 - BOTTOM (LOWER) SURFACE), 575MB (LEFT WING - PANEL 12 - BOTTOM (LOWER) SURFACE), 673AB (RIGHT WING - PANEL 1 - BOTTOM (LOWER) SURFACE), 673BB (RIGHT WING - PANEL 2 - BOTTOM (LOWER) SURFACE), 673CB (RIGHT WING - PANEL 3 - BOTTOM (LOWER) SURFACE), 673EB (RIGHT WING - PANEL 5 - BOTTOM (LOWER) SURFACE), 673FB (RIGHT WING - PANEL 6 - BOTTOM (LOWER) SURFACE), 674AB (RIGHT WING - PANEL 1 - BOTTOM (LOWER) SURFACE), 674BB (RIGHT WING - PANEL 2 - BOTTOM (LOWER) SURFACE), 675AB (RIGHT WING - PANEL 1 - BOTTOM (LOWER) SURFACE), 675BB (RIGHT WING - PANEL 2 - BOTTOM (LOWER) SURFACE), 675CB (RIGHT WING - PANEL 3 - BOTTOM (LOWER) SURFACE), 675DB (RIGHT WING - PANEL 4 - BOTTOM (LOWER) SURFACE), 675EB (RIGHT WING - PANEL 5 - BOTTOM (LOWER) SURFACE), 675FB (RIGHT WING - PANEL 6 - BOTTOM (LOWER) SURFACE), 675GB (RIGHT WING - PANEL 7 - BOTTOM (LOWER) SURFACE), 675HB (RIGHT WING - PANEL 8 - BOTTOM (LOWER) SURFACE), 675KB (RIGHT WING - PANEL 10 - BOTTOM (LOWER) SURFACE), 675LB (RIGHT WING - PANEL 11 - BOTTOM (LOWER) SURFACE), 675MB (RIGHT WING - PANEL 12 - BOTTOM (LOWER) SURFACE)

**Zones:** 570 (AFT SECTION OF L WING & TE FIXED STRUCT SIDE: LH), 670 (AFT SECTION OF R WING & TE FIXED STRUCT SIDE: RH)

**References:** AMM TASK: 27-00-00-080-002-A  
 AMM TASK: 27-00-00-480-002-A  
 AMM TASK: 27-50-00-866-008-A  
 AMM TASK: 27-50-00-866-008-A-01  
 AMM TASK: 27-50-00-866-009-A  
 AMM TASK: 27-50-00-866-009-A-01  
 AMM TASK: 27-60-00-866-002-A  
 AMM TASK: 51-78-00-916-001-A  
 AMM TASK: 57-51-37-000-002-A  
 AMM TASK: 57-51-37-000-003-A  
 AMM TASK: 57-51-37-000-004-A  
 AMM TASK: 57-51-37-000-005-A  
 AMM TASK: 57-51-37-400-002-A  
 AMM TASK: 57-51-37-400-003-A  
 AMM TASK: 57-51-37-400-004-A  
 AMM TASK: 57-51-37-400-005-A  
 SRM: 57-21-00

<b>Material:</b>	08BAA9	NON AQUEOUS CLEANER	5.0 req.
	12ADB1	CORROSION PREVENTIVE COMPOUND	10.0 req.
<b>Tools:</b>	98D27604000000	COLLAR-SAFETY, SPOILER	5.0 req.
	98D27803000000	LOCKING TOOL-FLAP SLAT LEVER,INT. PO	1.0 req.

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## PRECAUTIONS

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### WARNING

BE CAREFUL WHEN YOU USE CONSUMABLE MATERIALS. OBEY THE MATERIAL MANUFACTURER'S INSTRUCTIONS AND YOUR LOCAL REGULATIONS.

### WARNING

PUT THE SAFETY DEVICES AND THE WARNING NOTICES IN POSITION BEFORE YOU START A TASK ON OR NEAR:

- THE FLIGHT CONTROLS
- THE FLIGHT CONTROL SURFACES
- THE LANDING GEAR AND THE RELATED DOORS
- COMPONENTS THAT MOVE.

MOVEMENT OF COMPONENTS CAN KILL OR CAUSE INJURY TO PERSONS AND/OR CAN CAUSE DAMAGE TO THE EQUIPMENT.

### CAUTION

BE CAREFUL WHEN YOU DO MAINTENANCE TASKS ON THE WING TRAILING EDGE:

- DO NOT CAUSE DAMAGE TO THE ELECTRICAL CABLE RACEWAYS.
- DO NOT CAUSE DAMAGE TO THE ELECTRICAL CABLE INSTALLATIONS.
- MAKE SURE THAT THE ELECTRICAL CABLES ARE INSTALLED CORRECTLY. INCORRECT INSTALLATION CAN CAUSE DAMAGE.

### NOTE

REFER TO ISI 57.21.00004 FOR TASK SOURCE

## BACKGROUND

Several cases of in-service corrosion findings on wing TE cavities have occurred. These findings have been reported mainly from the aft surface of the rear spar, riblets and fittings, as well as the lower and upper surface of the top and bottom wing skin TE overhangs respectively. This card is raised for the application of temporary protection in impacted areas in order to enhance corrosion protection.

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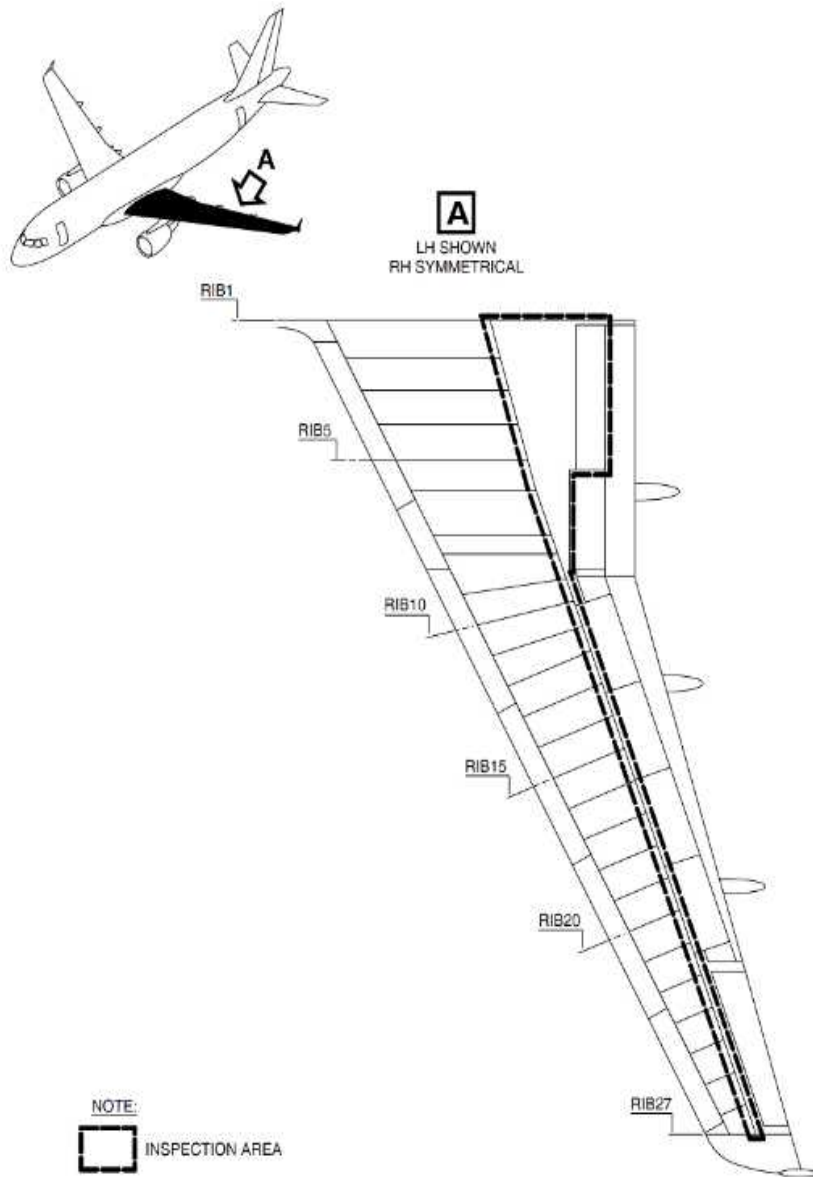
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## JOB SET-UP INFORMATION

WINGS - TPS APPLICATION, T/E CAVITIES FROM RIB 1 TO 27



Rear Spar Aft Face between RIB 1 and RIB 27 SHEET 1

### A. Safety Precautions

- (1) Put a WARNING NOTICE(S) in the cockpit to tell persons not to operate the flaps or slats.
- (2) Put the safety barriers in position.

### B. Aircraft Maintenance Configuration

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## WARNING

MAKE SURE THAT THE TRAVEL RANGES OF THE FLIGHT CONTROLS ARE CLEAR. MOVEMENT OF FLIGHT CONTROLS CAN CAUSE INJURY TO PERSONS AND/OR DAMAGE.

- (1) Fully extend the flaps (Ref. AMM TASK 27-50-00-866-008) .
- (2) Fully extend the spoilers (Ref. AMM TASK 27-60-00-866-002) .
- (3) Make sure that the LOCKING TOOL-FLAP SLAT LEVER,INT. POSITION (98D27803000000) is installed on the flap/slat control lever (Ref. AMM TASK 27-00-00-480-002) .
- (4) Make sure that the COLLAR-SAFETY, SPOILER (98D27604000000) is installed on the spoiler servocontrol.

C. Open, safety and tag this(these) circuit breaker(s):

PANEL	DESIGNATION	FIN	LOCATION
49VU	FLIGHT CONTROLS/FLP/CTL AND MONG/SYS1	6CV	B07
121VU	FLIGHT CONTROLS/FLP/CTL AND/MONG/SYS2	8CV	Q21

D. Get Access

- (1) Put the ACCESS PLATFORM 3M (10 FT)- ADJUSTABLE below the wing trailing-edge structure, zones 571(671), 573(673), 574(674) and 575(675).
- (2) Remove the applicable access panels:
  - (a) For the left wing, remove:
    - 573AB, 573BB, 573CB, 573EB (Ref. AMM TASK 57-51-37-000-002)
    - 573FB (Ref. AMM TASK 57-51-37-000-003)
    - 575AB, 575BB, 575CB, 575DB, 575EB, 575FB, 575GB, 575HB (Ref. AMM TASK 57-51-37-000-004)
    - 575KB, 575LB, 575MB (Ref. AMM TASK 57-51-37-000-005) .
  - (b) For the right wing, remove:
    - 673AB, 673BB, 673CB, 673EB (Ref. AMM TASK 57-51-37-000-002)
    - 673FB (Ref. AMM TASK 57-51-37-000-003)
    - 675AB, 675BB, 675CB, 675DB, 675EB, 675FB, 675GB, 675HB (Ref. AMM TASK 57-51-37-000-004)
    - 675KB, 675LB, 675MB (Ref. AMM TASK 57-51-37-000-005) .
- (3) Open the applicable access doors:
  - (a) For the left wing, open:
    - 574AB
    - 574BB.
  - (b) For the right wing, open:

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(b) For the right wing, open:

- 674AB

- 674BB.

## PROCEDURE

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Refer Fig. Rear Spar Aft Face between RIB 1 and RIB 27 SHEET 1 for affected area.

### A. Preparation for Inspection

(1) Use a clean Textile-Lint free Cotton - (Material No. 14-SBA1), made moist with Non Aqueous Cleaner-General - (Material No. 08-BAA9) to clean the applicable inspection area.

(1) Examine the applicable inspection area. Make sure that:

- There is no corrosion
- There are no cracks or damage
- There are no fuel or hydraulic leaks
- There is no distortion, loose or damaged fasteners
- The ducting, pipes and wiring installations are in the correct condition
- The paint finish is in the correct condition.



NOTE

Refer to the Ref. SRM 57-21-00 for the correct repair procedure.

**FINDING: YES [ ] / NO [ ]** (tick the box)

Finding WO reference:

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B. Apply Corrosion Inhibitor Compound/Temporary Protection System, TPS type 3, Corrosion Preventive Compound-Water Displacing & Heavy Duty Hard Film - (Material No. 12ADB1) on Rear Spar Aft Face between RIB 1 and RIB 27 including Overhangs and Inboard and Outboard Faces of Gear RIB 5, Forward and Aft Faces of False Rear Spar, Rear Spar Enclosure including Bottom Skin Upper Surface and Top Skin Lower Surface, Main Landing Gear Bay Including Overwing and Underwing Panels, and Forward Face of Shroud Box.

Refer AMM TASK 51-78-00-916-001-A for Application of Temporary Protection System (TPS).

## CLOSE-UP

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## A. Close Access

- (1) Make sure that the work area is clean and clear of tools and other items.
- (2) Install the applicable access panels:
  - (a) For the left wing, install:
    - 573AB, 573BB, 573CB, 573EB (Ref. AMM TASK 57-51-37-400-002)
    - 573FB (Ref. AMM TASK 57-51-37-400-003)
    - 575AB, 575BB, 575CB, 575DB, 575EB, 575FB, 575GB, 575HB (Ref. AMM TASK 57-51-37-400-004)
    - 575KB, 575LB, 575MB (Ref. AMM TASK 57-51-37-400-005) .
  - (b) For the right wing, install:
    - 673AB, 673BB, 673CB, 673EB (Ref. AMM TASK 57-51-37-400-002)
    - 673FB (Ref. AMM TASK 57-51-37-400-003)
    - 675AB, 675BB, 675CB, 675DB, 675EB, 675FB, 675GB, 675HB (Ref. AMM TASK 57-51-37-400-004)
    - 675KB, 675LB, 675MB (Ref. AMM TASK 57-51-37-400-005) .
- (3) Close the applicable access doors:
  - (a) For the left wing, close:
    - 574AB
    - 574BB.
  - (b) For the right wing, close:
    - 674AB
    - 674BB.

## B. Remove the safety clip(s) and the tag(s) and close this(these) circuit breaker(s):

PANEL	DESIGNATION	FIN	LOCATION
49VU	FLIGHT CONTROLS/FLP/CTL AND MONG/SYS1	6CV	B07
121VU	FLIGHT CONTROLS/FLP/CTL AND/MONG/SYS2	8CV	Q21

## C. Aircraft Maintenance Configuration

### **WARNING**

MAKE SURE THAT THE TRAVEL RANGES OF THE FLIGHT CONTROLS ARE CLEAR. MOVEMENT OF FLIGHT CONTROLS CAN CAUSE INJURY TO PERSONS AND/OR DAMAGE.

- (1) Remove the COLLAR-SAFETY, SPOILER (98D27604000000) from the spoiler servocontrol.
- (2) Remove the LOCKING TOOL-FLAP SLAT LEVER,INT. POSITION (98D27803000000) from the flap/slat control lever (Ref. AMM TASK 27-00-00-080-002) .

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- (3) Retract the flaps (Ref. AMM TASK 27-50-00-866-009) .  
 (4) Retract the spoilers (Ref. AMM TASK 27-60-00-866-002) .  
 (5) On the spoiler servocontrol, make sure that the pointer on the hex. head is aligned with the letter `O` on the housing.

**D. Removal of Equipment**

- (1) Remove the safety barriers.  
 (2) Remove the access platform(s).  
 (3) Remove the warning notice(s).  
 (4) Remove the ground support and maintenance equipment, the special and standard tools and all other items.

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