***** ON A/C 0001-0004, 0007-0050, 0101-0107, 0109-0115, 0126-0150, 0204-0204, 0207-0207, 0209-0249, 0301-0350, 0401-0449, 0501-0549, 0651-0749, 0751-0799, 0901-0970***

TASK 71-11-11-300-014-A
Repair the Aerodynamic Sealant on the Air Intake Cowl or the P2/T2 Sensor

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

1. Reason for the Job
   Self explanatory

2 Job Set-up Information

A. Fixtures, Tools, Test and Support Equipment

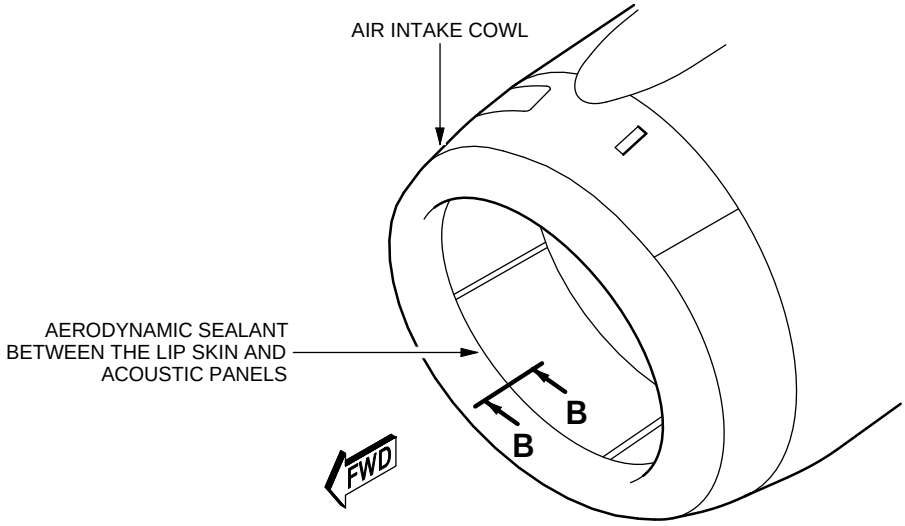
REFERENCE	QTY	DESIGNATION
No specific	AR	ACCESS PLATFORM 2M (6 FT) - ADJUSTABLE
No specific	AR	GUN - SEALANT
No specific	AR	SPATULA - PLASTIC
No specific	AR	WARNING NOTICE(S)

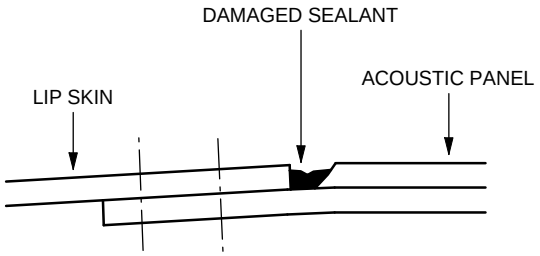
B. Consumable Materials

REFERENCE	DESIGNATION
(Material No. V01-076)	Methyl Ethyl Ketone, Technical grade
(Material No. V02-007)	teflon tape
(Material No. V05-020)	waterproof silicon carbide
(Material No. V06-131)	marking pen
(Material No. V08-141)	sealant
(Material No. V08-146)	sealant
No specific	lint free cloth
No specific	strip

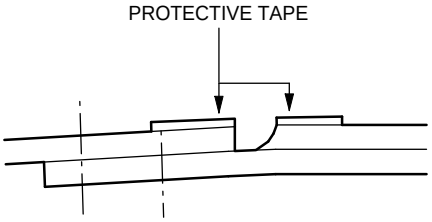
C. Referenced Information

REFERENCE	DESIGNATION
(Ref. 70-30-00-918-010-A).	Consumable Materials Index
Aerodynamic Sealant Replacement	

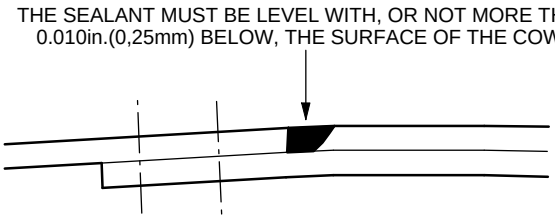




SECTION
B-B



SECTION
B-B
(WITH THE DAMAGED SEALANT REMOVED)



SECTION
B-B
(WITH THE REPLACEMENT SEALANT APPLIED TO THE REPAIR AREA)

SH000B4466

N_MM_711111_8_XHM0_01_00

Figure 71(IAE)-11-11-991-16200-13-A / SHEET 1/3 - Aerodynamic Sealant Replacement
** ON A/C 0001-0004, 0007-0050, 0101-0107, 0109-0115, 0126-0150, 0204-0204, 0207-0207, 0209-0249, 0301-0350, 0401-0449, 0501-0549, 0651-0749, 0751-0799, 0901-0970

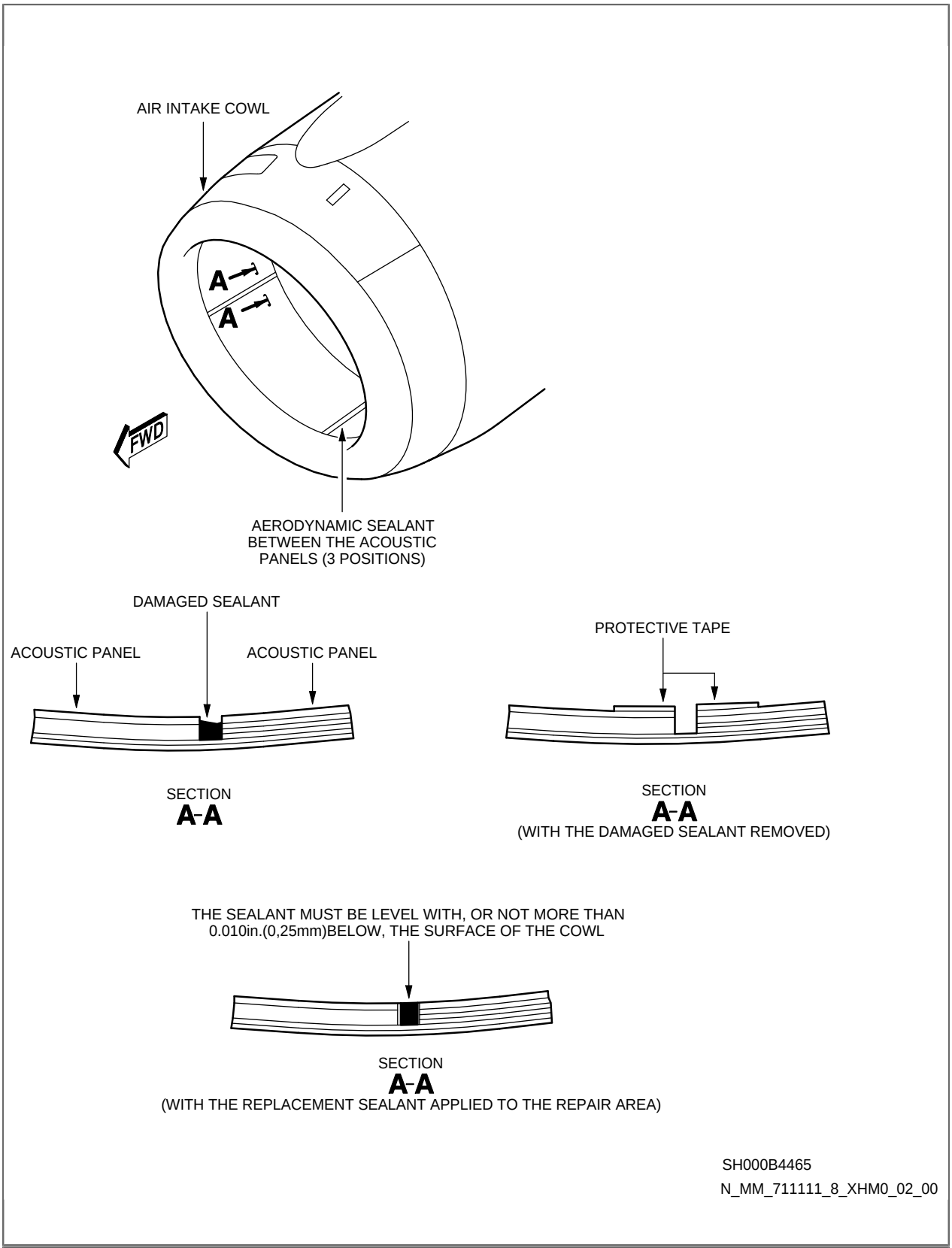


Figure 71(IAE)-11-11-991-16200-13-A / SHEET 2/3 - Aerodynamic Sealant Replacement
** ON A/C 0001-0004, 0007-0050, 0101-0107, 0109-0115, 0126-0150, 0204-0204, 0207-0207, 0209-0249, 0301-0350, 0401-0449, 0501-0549, 0651-0749, 0751-0799, 0901-0970

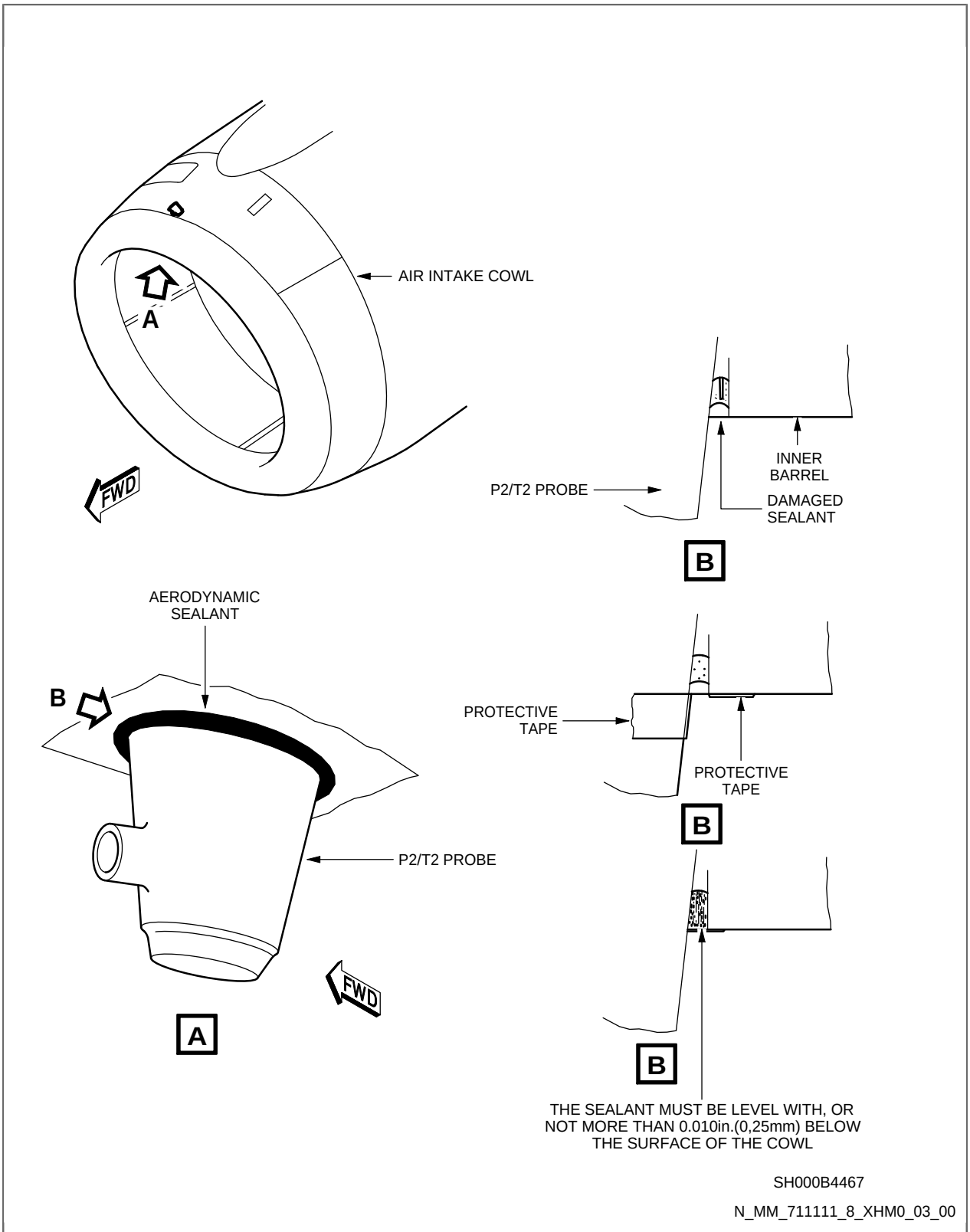


Figure 71(IAE)-11-11-991-16200-13-A / SHEET 3/3 - Aerodynamic Sealant Replacement
** ON A/C 0001-0004, 0007-0050, 0101-0107, 0109-0115, 0126-0150, 0204-0204, 0207-0207, 0209-0249, 0301-0350, 0401-0449, 0501-0549, 0651-0749, 0751-0799, 0901-0970

3. Job Set-up

Subtask 71-11-11-941-061-A

A. Safety Precautions

(1) On the center pedestal, on the ENG panel 115VU:

(a) Put a WARNING NOTICE(S) to tell persons not to start the engine.

(2) Make sure that the engine 1(2) shutdown occurred not less than 5 minutes before you do this procedure.

(3) On the overhead maintenance panel 50VU:

(a) Make sure that the ON legend of the ENG/FADEC GND PWR/1(2) pushbutton switch is off.

(b) Put a WARNING NOTICE(S) to tell persons not to energize the FADEC 1(2).

(4) Put the ACCESS PLATFORM 2M (6 FT) - ADJUSTABLE in position.

4. Procedure

Subtask 71-11-11-350-065-A

A. Remove the damaged aerodynamic sealant
(Ref. Fig. Aerodynamic Sealant Replacement)

CAUTION: MAKE SURE THAT YOU DO NOT CAUSE DAMAGE TO THE ANODIZED SURFACE OF THE LIPSKIN OR THE ACOUSTIC STRUCTURE. USE ONLY PLASTIC TOOLS AND PUT PROTECTIVE MATS ON THE COWL.

(1) Use SPATULA - PLASTIC to remove most of the damaged or disbonded sealant.

(2) Use teflon tape (Material No. V02-007) and put a strip on each side of the repair area.

Subtask 71-11-11-110-060-A

B. Clean the repair area.

CAUTION: MAKE SURE THAT YOU DO NOT CAUSE DAMAGE TO THE ANODIZED SURFACE OF THE LIPSKIN OR THE ACOUSTIC STRUCTURE. USE ONLY PLASTIC TOOLS AND PUT PROTECTIVE MATS ON THE COWL.

(1) Soak a piece of waterproof silicon carbide (Material No. V05-020) in Methyl Ethyl Ketone, Technical grade (Material No. V01-076) and remove any remaining sealant or contamination.

(2) Use a clean piece of lint free cloth to dry the area before the cleaning fluid dries.

(3) Make sure there is no unwanted material on the repair area.

Subtask 71-11-11-380-051-A

C. Prepare the aerodynamic sealant

WARNING: KEEP FLAMES AND ELECTRICAL EQUIPMENT WHICH IS NOT FLAMEPROOF AWAY FROM THE WORK AREA. THE SEALANT IS FLAMMABLE.

(1) Use a pre-filled semkit cartridge and prepare sealant (Material No. V08-141) or sealant (Material No. V08-146) as follows:

(a) Hold the cartridge and pull out approximately 25% of the dasher rod.

(b) Push the ramrod into the hollow end of the dasher rod and inject approximately 33% of the contents into the cartridge.

NOTE: Make sure that you do not use too much force or tap the ramrod if the piston does not move easily.

(c) Inject the remaining contents of the dasher rod into the cartridge in two equal movements.

(d) Remove the ramrod from the dasher rod.

Subtask 71-11-11-380-053-A

D. Mix the sealant

(1) Mix the sealant manually as follows:

(a) Push the dasher rod fully into the cartridge.

(b) Pull and then push the dasher rod in a clockwise direction, out and then into the cartridge (equals one movement).

NOTE: Make sure that the dasher rod rotates approximately 90 deg. during each movement.

(c) Refer to the manufacturer's instructions for the number of movements required to mix the sealant.

NOTE: Make sure that after the last movement the dasher rod is pushed fully into the cartridge.

(d) Hold the cartridge tightly and turn the dasher rod approximately 3 times in an anti-clockwise direction. Remove the dasher rod from the cartridge.

Subtask 71-11-11-380-052-A

E. Apply the aerodynamic sealant

WARNING: KEEP FLAMES AND ELECTRICAL EQUIPMENT WHICH IS NOT FLAMEPROOF AWAY FROM THE WORK AREA. THE SEALANT IS FLAMMABLE.

CAUTION: MAKE SURE THAT YOU DO NOT CAUSE DAMAGE TO THE ANODIZED SURFACE OF THE LIPSKIN OR THE ACOUSTIC STRUCTURE. USE ONLY PLASTIC TOOLS AND PUT PROTECTIVE MATS ON THE COWL.

(1) Use a SPATULA - PLASTIC or a GUN - SEALANT to fill the repair area with the sealant mix.

NOTE: Make sure that the sealant is pushed along in front of the nozzle tip when you use the sealant gun.

NOTE: Make sure that the sealant is level with the surface of the cowl.

(2) Let the sealant cure at an ambient temperature for 48 hours.

NOTE: The sealant will not be tacky after approximately one hour.

NOTE: A 9 deg F or 5 deg C increase in the cure temperature will decrease the cure time by one half.

NOTE: If a controlled cure is necessary, make sure you refer to the sealant manufacturer's technical specifications.

(3) When the sealant has cured remove the teflon tape from each side of the repair area.

Subtask 71-11-11-210-067-A

F. Do a visual examination of the sealant repair. Make sure that the repair has been done correctly.

(1) If the surface of the repair area is below the surface of the cowl, do steps C thru E.

Subtask 71-11-11-350-066-A

G. Identify the repair scheme number on the cowl.

(1) Use a marking pen (Material No. V06-131) (Ref. AMM TASK 70-30-00-918-010) (that is a different colour than the background) to write VRS2725 adjacent to the identification plate on the cowl.

5. Close-up

Subtask 71-11-11-942-055-A

A. Close Access

(1) Remove the warning notice(s).

(2) Remove the access platform(s).

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