

D	PATE	TAIL	NUMBER	STATION	I	AIRLINE CARD NO.		BOEING		
SKILL	WO.	RK AREA	DEI	ATED TASK	VERSION	THRESHOLD	REPEA [*]	49-010-0	PHAS	
ENGIN		MPARTMENT		ATED TASK	1.1	2 YRS	2 YRS		FIAS) <u>C</u>
	5 55.						•			
	TASK				TITLE			APPLICABILITY	ENCINE	
GENE	ERAL VIS	UAL	APU MOUN	ITS			AIRPLANE		ENGINE	
	ZON	ES				ACCESS	ALL		ALL	
315 3			315	A						
									MECH	INSP
SYST	EMS									2.101
		9-010-00				MOUNTO FOR				
				Y OF INSTAL		MOUNTS FOR				
GLINE	KAL CON	DITION AND	JECORII	I OI INSTAL	LATION	•				
		erences								
	(1)	AMM TASI	K 49–13–1	1-200-801 p	601, A	PU Mounts Inspec	ction (APU R	emoved)		
	(CUSTOMER FLEET	EFFECTIVITY		SOURCE					
		A1 1			MDD	APU MOUNTS				
		ALL			MRB			PAGE	1 ^f	7
						49-010-00-00			า 10/	
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	DATE			TATI NUMBER	CTATION		ATRI THE CARD NO	1	DASTUS (ADD NO	
	DATE			TAIL NUMBER	STATION		AIRLINE CARD NO.				
									49-010-0		
1.	<u>APU</u>	Moun Prep (1)	-13-11- nts In- pare for Make OFF Open (a) (b) Open (a) (c) (d) (e)	and install a these circuit Circuit Brea 1) 6A14 Circuit Brea 1) 6B19 the APU Cowl Open the thi Open the APU Remove the in hold-open ro Disconnect	ction J master swi a DO-NOT-OPE it breakers aker Panel, AUX POWER L aker Panel, APU FIRE Sw L Door, 315A ree latches. J Cowl Door, retainer pir od on the AF retainer pir od. the two holo	tch o RRATE and a P6-4: UNIT C P6-2: I POWE Trom U Cow from	ttach DO-NOT-CLOS ONT R the rod end of t l Door, 315A. the spring clip rods from the tw	E tags: he forward on the aft o spring c	lips.		
	В.	Proc	(g) edure Do t	brackets in Install the hese steps to Make sure al Visually exa access for o 1) Strut as 2) Vibratio 3) Cone bol If you find you must ins	the APU com two retains o inspect th ll connection amine these corrosion, o ssemblies (A on isolators lts and nuts corrosion, spect the AF	partmer pinde APU parts racks PU moc crack	mounts: r the APU mounts of the APU mount and damage: unts) the vibration iso s or damage to the nts with the APU	ends. are tight. s that you lator. ese parts, removed.	can get then To		
	C.	Put (1)	(b) (c) (d) (e) (f)	Removed) (An implane Back e the APU Con Remove the APU comparts Disconnect to Put the two Cowl Door, Install the hold-open re	TASK 49-1 to Its Usua wl Door, 315 two retainer nent. the two hold hold-open r 315A. retainer pi od. retainer pi od. PU Cowl Door	3-11- il Con iA: pins l-open ods i n in n to	from the two hold rods from the two spring the two spring the the spring clip o	d-open rod o brackets clips on t e forward	s in the		
		С	USTOMER F	LEET EFFECTIVITY		SOURCE	APU MOUNTS				



DATE	TAIL NUMBER	STATION	AIRLINE CARD NO.	BOEING C	ARD NO.	
				49-010-0		
	Remove the DO-NO (a) Circuit Brea 1) 6A14 (b) Circuit Brea 1) 6B19	T-CLOSE tags and aker Panel, P6-4: AUX POWER UNIT Caker Panel, P6-2: APU FIRE SW POWE	close these circui	s:		INSP
cı	USTOMER FLEET EFFECTIVITY ALL	SOURCE MRB	APU MOUNTS 49-010-00-00	PAGE Oct	3 of 10/0	



D	PATE	TAIL	NUMBER	STA	ATION	AIRLINE CARD NO.		BOEING CARD NO.
								49-020-00-00
SKILL ENGIN	ADII	WORK AREA COMPARTMENT		RELATED TASK	version 1.1	THRESHOLD 8 YRS	REPEA	T PHASE
ENGIN	AFU	COMPARTMENT			1.1	O IKS	o iks	
	TA	ISK			TITLE			APPLICABILITY
IN	NSPEC	TION	APU I	MOUNTS			AIRPLANE	ENGINE
		ZONES				ACCECC	ALL	ALL
315 3	316	ZUNES		315A		ACCESS		
0.50				515A				
SYST	FMS							MECH INS
3131	LITO							
MPD	ITEM:	49-020-00						
PERF	ORM A	A DETAILED I	NSPEC.	TION OF THE	APU MOUNT	S.		
		References	κ / ₁ 0	11_00_000_80	1 n/:01 A	.PU Power Plant F	Pemoval	
						APU Power Plant 1		
	((3) AMM TAS	K 49-	13-11-000-80	2 p401, A	APU Mounts Remova	al	
	((4) AMM TAS	K 49-	13-11-400-80	2 p401, A	PU Mounts Instal	llation	
		CUSTOMER FLEET	EFFECTIVI	TY	SOURCE	ADII MAINTO		<u></u>
		ALL			MRB	APU MOUNTS		
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						49-020-00-00		Jun 10/99



DATE	TAIL NUMBER	STATION	AIRLINE CARD NO.	BOEING CARD NO.
				49-020-00-00

MECH INSP

TASK 49-13-11-200-801

- 1. <u>APU Mounts Inspection (APU Removed)</u> (Fig. 601)
 - A. Procedure
 - (1) Do these steps to inspect the APU mounts:
 - (a) Remove the APU. To remove it, do this task: APU Power Plant Removal (AMM TASK 49-11-00-000-801 p401).
 - (b) Visually examine these parts for corrosion, cracks and damage:
 - Strut assemblies (APU mounts)
 - 2) Vibration isolators
 - 3) Cone bolts and nuts for the vibration isolator.
 - (c) If you find corrosion, cracks or damage, then do these steps:
 - 1) Remove the parts for the APU mounts that you find with corrosion, cracks or damage. To remove them, do this task: APU Mounts Removal (AMM TASK 49-13-11-000-802 p401).

NOTE: It is necessary to remove the firewall covers to get access to the APU mounts, support brackets and mounting parts.

- 2) Visually examine the bolts and bushings for corrosion, wear and damage.
 - a) Replace the bolts and bushings that you find with corrosion or damage.
 - b) Replace all the parts that are more than the permitted wear limits shown in (Table 601).

TABLE 49-13-11-993-803

		DIMENSION	DESIGN I	LIMITS	WEAR I	_IMITS	
		INNER	DIAM	ETER	PERMITTED	MAXIMUM	
		DIAMETER (ID)/OUTER	MINIMUM	MAXIMUM	WEAR	CLEARANCE	
ITEM NUMBER	PART	DIAMETER (OD)	INCH (MM)	INCH (MM)	INCH (MM)	INCH (MM)	REPAIR
1	ROD END	ID	0.3120 (7.92)	0.3125 (7.94)	0.3175 (8.06)	0.0100 (0.25)	*[1]
2	B0LT	OD	0.3115	0.3120	0.3060	0.0100	*[1]

APU Mount Inspection Table 601

Ī	CUSTOMER FLEET EFFECTIVITY	SOURCE		
			APU MOUNTS	
	ALL	MRB		
				PAGE 2 of 7
			49-020-00-00	Jun 10/00



DATE		TAIL NUMBER	STATION		AIRLINE CARD NO.		BOE ING	CARD N
							49-020-	00-0 MECH
ABLE 4	9–13–11–99	3-803						III.CIII
		DIMENSION	DESIGN I	_IMITS	WEAR I	LIMITS		
		TANKED	DIAM	ETER	DEDMITTED	MANTHUM		
		INNER DIAMETER (ID)/OUTER	MINIMUM	MAXIMUM	PERMITTED WEAR	MAXIMUM CLEARANCE		
ITEM NUMBER	DIAMETER (OD)	DIAMETER	INCH (MM) (7.91)	INCH (MM) (7.92)	INCH (MM) (7.77)	INCH (MM) (0.25)	REPAIR	
3	ROD END	ID	0.2495 (6.34)	0.2500 (6.35)	0.2550 (6.48)	0.0100 (0.25)	*[1]	
4	BOLT	OD	0.2490 (6.32)	0.2495 (6.34)	0.2435 (6.18)	0.0100 (0.25)	*[1]	
5	ROD END	ID	0.3120 (7.92)	0.3125 (7.94)	0.3175 (8.06)	0.0100 (0.25)	*[1]	
6	BOLT	OD	0.3115 (7.91)	0.3120 (7.92)	0.3060 (7.77)	0.0100 (0.25)	*[1]	
7	STRUT	ID	0.5625 (14.29)	0.5631 (14.30)			*[2]	
8	BUSHING	OD	0.4365 (11.09)	0.4370 (11.10)	0.4315 (10.96)	0.0100 (0.25)	*[1]	
9	BUSHING	OD	0.5631	0.5638			*[3]	

APU Mount Inspection Table 601

(14.32)

0.4415

(11.21)

0.2495

(6.34)

0.2502

(6.36)

0.4465

(11.34)

0.2435

(6.18)

0.2552

(6.48)

0.0100

(0.25)

0.0100

(0.25)

0.0100

(0.25)

*****[1]

*****[1]

*****[1]

(14.30)

0.4400

(11.18)

0.2490

(6.32)

0.2497

(6.34)

ΙD

OD

ΙD

10

11

BOLT

ROD END

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	CUSTOMER FLEET EFFECTIVITY ALL		APU MOUNTS	ALL MRB PAGE	ALL MRB APU MOUNTS PAGE 3 of



DATE	TAIL NUMBER	STATION	AIRLINE CARD NO.	BOEING CARD NO.
				49-020-00-00

TABLE 49-13-11-993-803

MECH	INSP

		DIMENSION	DESIGN L	LIMITS	WEAR L		
	INNER		DIAMETER		PERMITTED	MAXIMUM]
	DIAMETER (ID)/OUTER	MINIMUM	MAXIMUM	WEAR	CLEARANCE]	
ITEM NUMBER	PART	DIAMETER (OD)	INCH (MM)	INCH (MM)	INCH (MM)	INCH (MM)	REPAIR
12	STRUT	ID	0.5625 (14.29)	0.5631 (14.30)			*[2]
13	BUSHING	OD	0.4365 (11.09)	0.4370 (11.10)	0.4315 (10.96)	0.0100 (0.25)	*[1]
14	BUSHING	OD	0.5631 (14.30)	0.5638 (14.32)			*[3]
		ID	0.4400 (11.18)	0.4415 (11.21)	0.4465 (11.34)	0.0100 (0.25)	*[1]

- *[1] *[1] REPLACE WHEN WORN
- *[2] *[2] OVERSIZE STRUT HOLE MUST NOT BE MORE THAN 0.625 INCH (15.88 MM) IN DIAMETER
- *[3] *[3] REPLACE WITH OVERSIZE BUSHING

APU Mount Inspection Table 601

- 3) Examine the four bolts and four lockwashers that attach each housing assembly to each vibration isolator for tightness and missing part(s).
 - a) If it is necessary, tighten the bolts or replace the missing part(s).
- 4) Visually examine the surface of each vibration isolator for scratches, nicks, burrs, corrosion, galling, fretting and wear.
 - a) If the individual damaged area is more than 0.50 inch (12.70 mm) diameter by 0.20 inch (0.51 mm) depth or 1.00 inch (25.40 mm) length by 0.10 inch (2.54 mm) width by 0.020 inch (0.51 mm) depth, replace the vibration isolator.
 - b) If the total damaged area is more than 15% of the total surface area for the vibration isolator, replace the vibration isolator.

CUSTOMER FLEET EFFECTIVITY	SOURCE		
		APU MOUNTS	
ALL	MRB		
			PAGE 4 of 7
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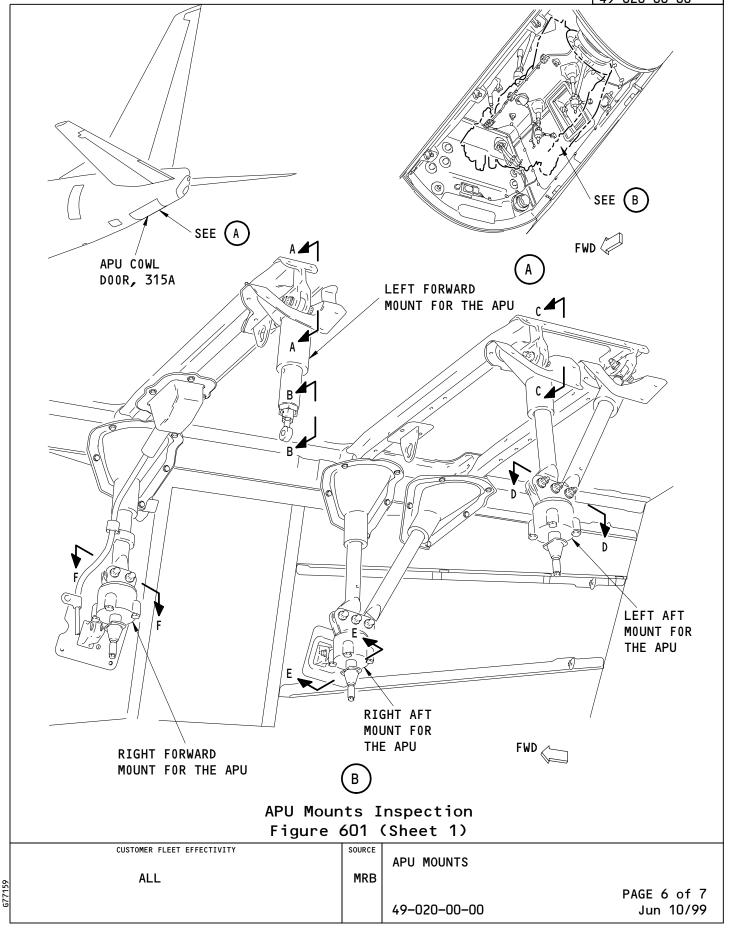
DATE	TAIL NUMBER	STATION	AIRLINE CARD NO.	ВО	EING CARD NO.
				49-02	20-00-00
	the vib a) Rep wit 6) Install To inst (AMM TA (d) Make sure a brackets ar (e) Install the	ration isolator folace the vibration had galling, wear of the new or servicall it, do this the servical connections for e tight.	<pre>ceable part(s) for ask: APU Mounts :</pre>	and damage. ts that you find r the APU mounts Installation and support : APU Power Pla	d
(CUSTOMER FLEET EFFECTIVITY	SOURCE	APU MOUNTS		



AIRLINE CARD NO.

BOEING CARD NO.

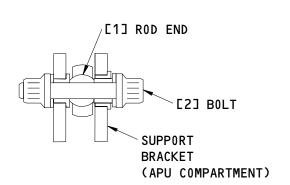
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AIRLINE CARD NO.

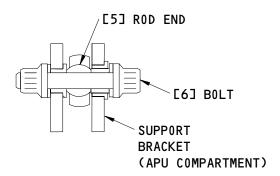
BOEING CARD NO.

49-020-00-00

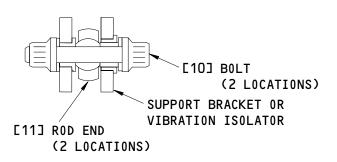


(2 LOCATIONS ON THE TWO FORWARD MOUNTS)

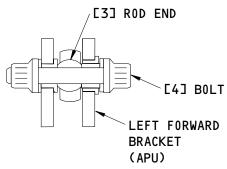
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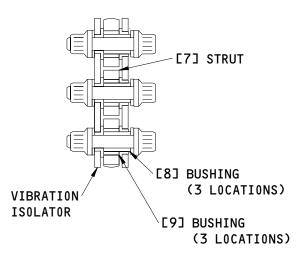
(4 LOCATIONS ON THE TWO AFT MOUNTS) C-C



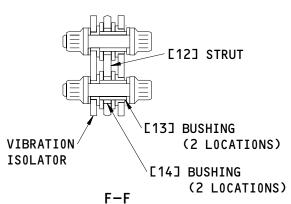
E-E



B-B



(2 LOCATIONS ON THE TWO AFT MOUNTS) D-D



APU Mounts Inspection Figure 601 (Sheet 2)

CUSTOMER FLEET EFFECTIVITY

ALL

SOURCE
APU MOUNTS

MRB

49-020-00-00

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D	ATE	TAIL	NUMBER	STATION		AIRLINE CARD NO.		BOEING CARD N	0.
								49-030-00-0	0
SKILL		RK AREA	REL	ATED TASK	VERSION	THRESHOLD	REPEAT	Г РН	ASE
ENGIN	APU COM	1PARTMENT			1.1	APU CNG			
	TASK	1					1	ADDI TOADTI TTV	
	NSPECTIO	N	SIGMA SE		TITLE		AIRPLANE	APPLICABILITY ENGINE	
-	VOI LUITO		SIGNA SE	AL.			ALL	ALL	
	ZONI	ES				ACCESS			
316			315	Α					
								MECH	INSP
SYST	EMS							MECH	INSF
		9-030-00							
		ETAILED I	NSPECTION	OF THE SIG	MA SEA	AL. (AFTER APU			
REMO	VAL).								
	A. Refe								
			< 49-11-N	0_000_801 n	401 <i>t</i>	NPU Power Plant	Removal		
						NPU Power Plant			
						ir Inlet Seal			
						Air Inlet Seal			
	(CUSTOMER FLEET	EFFECTIVITY		SOURCE	OTOMA OF		1	
		ALL			MDD	SIGMA SEAL			
		ALL			MRB			PAGE 1 o	fΔ
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DATE	TAIL NUMBER	STATION	AIRLINE CARD NO.	BOEING C	ARD NO.	
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					MECH	INSP
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TASK 49-15-11-200-801

- 1. <u>Air Inlet Seal Inspection</u> (Fig. 601)
 - A. Prepare for the Removal
 - (1) Remove the APU. To remove it, do this task: APU Power Plant Removal (AMM TASK 49-11-00-000-801 p401).
 - B. Procedure
 - (1) Do these steps to inspect the air inlet seal [1]:
 - (a) Examine the air inlet seal [1] for any signs of folding, tears or deformation.
 - (b) Measure the height of the air inlet seal [1].

NOTE: The height from the bottom to the top of the air inlet seal [1] must be 1.375-1.625 inches (34.9-41.3 mm).

(c) Make sure the retainer plate and stiffener plate are attached to the air inlet seal [1].

NOTE: You can find the retainer plate between the 32 screws and the air inlet seal [1]. You can find the stiffener plate on the bottom of the air inlet seal.

- (d) Examine the mating surfaces of the air inlet seal [1] for wrinkles, bubbles, unwanted materials or wear damage through the top rubber layer of fiberglass.
- (e) Examine the seven rubber layers of fiberglass for any separations, missing materials, cracks and tears.
- (f) If you find any of the above damage or the height of the air inlet seal [1] is not in the limits, replace the air inlet seal. These are the tasks:

Air Inlet Seal Removal (AMM TASK 49-15-11-000-801 p401), Air Inlet Seal Installation (AMM TASK 49-15-11-400-801 p401).

(2) Install the APU. To install it, do this task: APU Power Plant Installation (AMM TASK 49-11-00-400-801 p401).

CUSTOMER FLEET EFFECTIVITY

SOURCE
ALL

MRB

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49-030-00-00

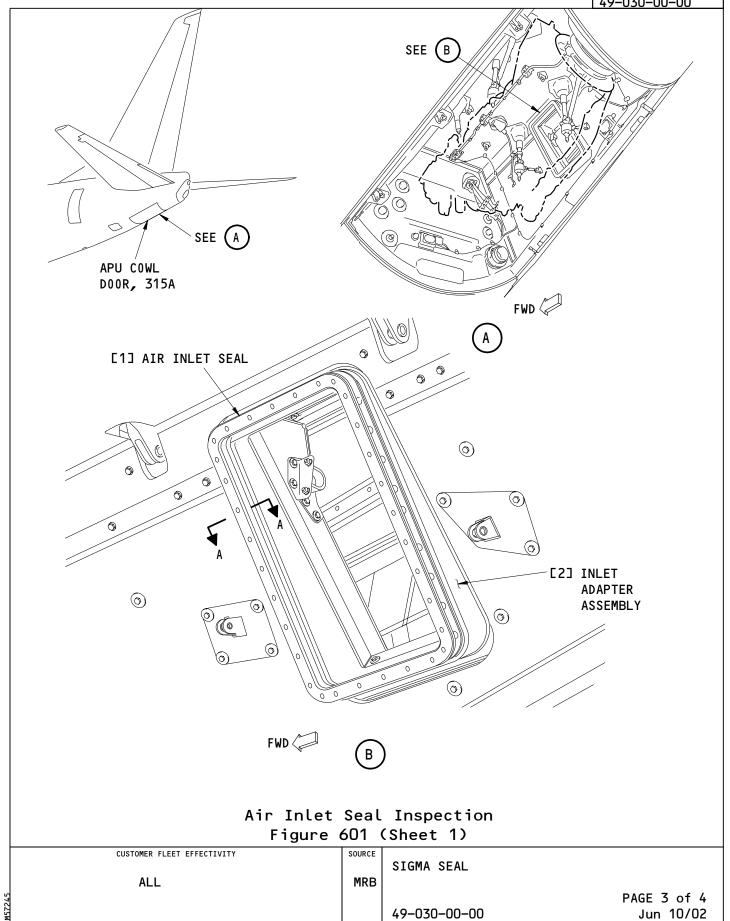
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AIRLINE CARD NO.

BOEING CARD NO.

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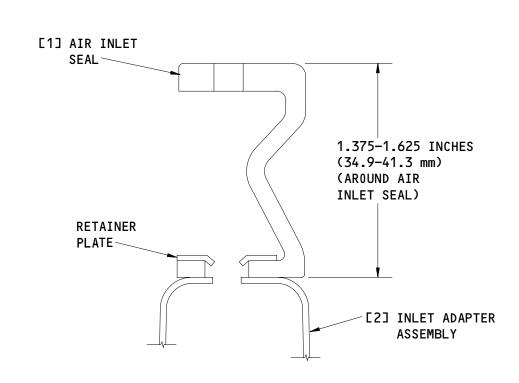




AIRLINE CARD NO.

BOEING CARD NO.

49-030-00-00



Air Inlet Seal Inspection Figure 601 (Sheet 2)

A-A

CUSTOMER FLEET EFFECTIVITY

ALL

SOURCE
MRB

49-030-00-00

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D	PATE	TAIL	NUMBER	STATIO	N .	AIRLINE CARD NO.		BOEING CARD NO.
SKILL	T M	ORK AREA	DEI /	ATED TASK	VERSION	THRESHOLD	REPEA'	49-040-00-00 PHASE
ENGIN		MPARTMENT		ATED TASK	1.1	APU CNG	KEFEA	I FRASE
	TASK				TITLE		AIRPLANE	APPLICABILITY ENGINE
I	NSPECTIO	ON	APU INSU	LATION PAN	ELS		ALL	ALL
	ZON	IES				ACCESS	ALL	ALL
315 3	16		315	A				
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		9-040-00 Ftatifd ti	NSPECTION	OF THE API	U TNSUL	ATION PANELS.		
		REMOVAL).	2012011	01 1112 711	2.1002	7.11201		
		sumable Ma		rpet - BMS	5_177			
	(2)					- BMS5-149		
	B. Ref	erences						
						PU Power Plant Re		
						PU Power Plant In nsulation Panel R		
						epair of the Insu		el
	(5)					nsulation Panel I		
		CUSTOMER FLEET	EFFECTIVITY		SOURCE			
						APU INSULATION P	PANELS	
		ALL			MRB			DACE 4 -4 /
						49-040-00-00		PAGE 1 of 6 Oct 10/01



A. Prepare for (1) Make su OFF and (2) Open th (a) Cf (b) Cf (a) Open th (a) Open th (a) Open th (a) Open th (b) Open th (c) Reference (b) Open th (c) Reference (c) Reference (c) Df (c) Reference (c) Df (c	Panel Inspective for the Inspective for the Inspection of Inspection o	ection PU master switch a DO-NOT-OPERATE uit breakers and eaker Panel, P6-4 AUX POWER UNIT eaker Panel, P6-2 APU FIRE SW POW wl Door, 315A: hree latches. PU Cowl Door, 315	attach DO-NOT-CLOSE : CONT : ER	tags:
1. <u>Insulation Panel</u> A. Prepare for (1) Make su OFF and (2) Open th (a) Cf (b) Cf (3) Open th (a) Op (b) Op (c) Re ho (d) Re ho (e) Df (f) Co br (g) Ir	Panel Inspective for the Inspective for the Inspection of Inspection o	ection PU master switch a DO-NOT-OPERATE uit breakers and eaker Panel, P6-4 AUX POWER UNIT eaker Panel, P6-2 APU FIRE SW POW wl Door, 315A: nree latches. PU Cowl Door, 315 retainer pin fro	tag. attach DO-NOT-CLOSE : CONT : ER	erhead panel is tags:
1. <u>Insulation Panel</u> A. Prepare for (1) Make su OFF and (2) Open th (a) Cf (b) Cf (3) Open th (a) Op (b) Op (c) Re ho (d) Re ho (e) Df (f) Co br (g) Ir	Panel Inspective for the Inspective for the Inspection of Inspection o	ection PU master switch a DO-NOT-OPERATE uit breakers and eaker Panel, P6-4 AUX POWER UNIT eaker Panel, P6-2 APU FIRE SW POW wl Door, 315A: nree latches. PU Cowl Door, 315 retainer pin fro	tag. attach DO-NOT-CLOSE : CONT : ER	tags:
seven	hold-open re) Disconnect f) Connect the brackets in g) Install the fit is necessateven insulation AMM TASK 49-11-	retainer pin from the two hold-ope two rod ends of the APU comparted two retainer pinary to remove the panels, do this -00-000-801 p401)	m the spring clip on n rods from the two the two hold-open rent. ns in the two rod en APU to do a full in task: APU Power Pl the APU to inspect	spring clips. ods to the two ds. spection of the ant Removal
<u>NOTE</u> :			move the APU if you seven insulation pan	

- (a) Examine the insulation panels for signs of fluid contamination to the core insulation material.
- (b) Examine the surface of the insulation panels for missing weld stitches, missing metal sheets, ruptured seams or structural metal deterioration.
- (c) Examine the insulation panels for holes that have gone through the inner and outer metal sheets.

CUSTOMER FLEET EFFECTIVITY

APU INSULATION PANELS

ALL

MRB

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DATE	TAIL NUMBER	STATION		AIRLINE CARD NO.		OEING CARD NO.
					49-0	
(2)	panel(s). Insulation Insulation 1) After and su NOTE: 2) If you suppor 3) If it suppor a) Cl 4) Replac instal NOTE: BEJ 008-999; Do these steps contamination a (a) Examine th to the cor (b) Examine th stitches, metal dete (c) Examine th the inner (d) If you fin panel(s). Insulation Insulation 1) After a) Ex fo b) Ex ma fl NO	These are the Panel Remova Panel Instal the insulation poort insulation is necessary, to insulation ean and repaire the foam and the insulation ean and repaire the foam and the insulation er insulation and outer met do any of the These are the Panel Remova Panel Instal the insulation amine the structural er insulation and outer met down and outer met down and outer met down and insulation amine the air terials and down. TE: You can forward	le tas le tas le (AM lation) in pan ion of lon pan for the don pan redon pan lation la	m TASK 49-17-11-0 in (AMM TASK 49-17 inel(s) are removed for contamination foam and support inel(s). In or damage, removed inel(s). In to the bulkhead inel(s). In to the bulkhead inel(s). In the structure inel(s) in the bulkhead inel(s). In the structure inel(s) are removed inel(s) are remo	the insulation 100-801 p401), 1-11-400-801 p40 1, examine the fand damage. insulation behind the damage. or behind the damage. or fluid uid contamination for missing wells or structural have gone through the insulation 100-801 p401), 1-11-400-801 p40 1, do these step plation panel(s) (age of unwanted of decrease in ail op behind the	nd I/or The on d III).
	CUSTOMER FLEET EFFECTIVITY		SOURCE	APU INSULATION F	PANELS	
	ALL		MRB	APU INSULATION P	AIVELS	
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49-040-00-00



(3)

CUSTOMER FLEET EFFECTIVITY

SOURCE

APU INSULATION PANELS

ALL

MRB

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