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Page	1	OT	- 4

Rev.No. :

Shop Visit History Report

SINGAPORE AIRLINES LIMITED

	IIN: Z33	311		Serial No	umber:	13-182449	-08502			Part Number:	3822611-1		
Item No	Part No	Part TSN	Part CSN	Part TSO	Part CSO	Part TSR	Part CSR	Fitment/ Removal	Date	Parent Serial Number	Parent TSN	Parent CSN	Visit Remarks
1	3822611-1	0	0	0	0	0	0	FITMENT	28-Jun-2013	P2273	0	0	
2	3822611-1	7184	4819	7184	4819	7184	4819	REMOVAL	16-Sep-2017	P2273	7184	4819	OVERHAUL
3	3822611-1	7184	4819	0	0	0	0	FITMENT	17-Oct-2017	P2273	7184	4819	OVERHAUL-ARC 330055685

*** End Of Report ***





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Page 1 of 1

Rev.No.:

Shop Visit History Report

IIN: Z0000

Serial Number:

P2273

Part Number:

3800550-1

Part No	Part TSN	Part CSN	Part TSO	Part CSO	Fitment/ Removal	Date	A/C Regn	Position	TSN	CSN	Visit No.	Visit Remarks
3800550-1	0	0	0	0	FITMENT	28-Jun-2013	SWU	APU	0	0	20131009001	
3800550-1	7184	4819	7184	4819	REMOVAL	16-Sep-2017	SWU	APU	19991	2377	20171101001	OVERHAUL
3800550-1	7184	4819	0	0	FITMENT	17-Oct-2017	-		0	0	20171101001	OVERHAULED BY HONEYWELL W/O 5011527375
3800550-1	7186	4825	2	6	REMOVAL	17-Oct-2017	-		2	6	20171101002	DMM HRS/CYCS RELEASED AFTER APU FINAL TESTING
3800550-1	7186	4825	2	6	FITMENT	15-Nov-2017	SNB	APU	11340	1341	20171101002	
	3800550-1 3800550-1 3800550-1	TSN 3800550-1 0 3800550-1 7184 3800550-1 7186	TSN CSN 3800550-1 0 0 3800550-1 7184 4819 3800550-1 7184 4819 3800550-1 7186 4825	TSN CSN TSO 3800550-1 0 0 0 3800550-1 7184 4819 7184 3800550-1 7184 4819 0 3800550-1 7186 4825 2	TSN CSN TSO CSO 3800550-1 0 0 0 0 3800550-1 7184 4819 7184 4819 3800550-1 7184 4819 0 0 3800550-1 7186 4825 2 6	TSN CSN TSO CSO Removal 3800550-1 0 0 0 0 FITMENT 3800550-1 7184 4819 7184 4819 REMOVAL 3800550-1 7184 4819 0 0 FITMENT 3800550-1 7186 4825 2 6 REMOVAL	TSN CSN TSO CSO Removal 3800550-1 0 0 0 FITMENT 28-Jun-2013 3800550-1 7184 4819 7184 4819 REMOVAL 16-Sep-2017 3800550-1 7184 4819 0 0 FITMENT 17-Oct-2017 3800550-1 7186 4825 2 6 REMOVAL 17-Oct-2017	TSN CSN TSO CSO Removal 3800550-1 0 0 0 0 FITMENT 28-Jun-2013 SWU 3800550-1 7184 4819 7184 4819 REMOVAL 16-Sep-2017 SWU 3800550-1 7184 4819 0 0 FITMENT 17-Oct-2017 - 3800550-1 7186 4825 2 6 REMOVAL 17-Oct-2017 -	TSN CSN TSO CSO Removal 3800550-1 0 0 0 0 FITMENT 28-Jun-2013 SWU APU 3800550-1 7184 4819 7184 4819 REMOVAL 16-Sep-2017 SWU APU 3800550-1 7184 4819 0 0 FITMENT 17-Oct-2017 - 3800550-1 7186 4825 2 6 REMOVAL 17-Oct-2017 -	TSN CSN TSO CSO Removal Arc Regil Fosition TSN 3800550-1 0 0 0 0 FITMENT 28-Jun-2013 SWU APU 0 3800550-1 7184 4819 7184 4819 REMOVAL 16-Sep-2017 SWU APU 19991 3800550-1 7184 4819 0 0 FITMENT 17-Oct-2017 - 0 3800550-1 7186 4825 2 6 REMOVAL 17-Oct-2017 - 2	TSN CSN TSO CSO Removal 3800550-1 0 0 0 0 FITMENT 28-Jun-2013 SWU APU 0 0 3800550-1 7184 4819 7184 4819 REMOVAL 16-Sep-2017 SWU APU 19991 2377 3800550-1 7184 4819 0 0 FITMENT 17-Oct-2017 - 0 0 3800550-1 7186 4825 2 6 REMOVAL 17-Oct-2017 - 2 6	TSN CSN TSO CSO Removal 3800550-1 0 0 0 0 FITMENT 28-Jun-2013 SWU APU 0 0 0 20131009001 3800550-1 7184 4819 7184 4819 REMOVAL 16-Sep-2017 SWU APU 19991 2377 20171101001 3800550-1 7186 4825 2 6 REMOVAL 17-Oct-2017 - 2 6 20171101002

*** End Of Report ***



	LIFE LIMITED PART REPAIR REC	ORD
DATE	MAINTENANCE PERFORMED	AUTHORIZED SIGNATURE
		3.3.4.3.3.3
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			LIFE	LIM	ITED	PART	CAR	D		
PART NAM	ИE	Impeller	Compress	or 1st Stag	ge	PART NUM	MBER		3822346-1	
SERIAL N	UMBER	13-182449	9-08502			ASSY. PAI	RT NUMBE	R	3822611-1	
DA	TE	ENGINE	AIRCRAFT		PART THIS LATION		ME ON THIS .RT	8	REMAR	KS
INSTALLED	REMOVED	SERIAL NO.	SERIAL NO.	CYCLE	HOURS	CYCLE	HOURS			
Jun-13		P-2273		00:00	00:00	00:00	00:00			
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				N)		1	Internationa	ıl Inc.		
	ma		vel			Engines &				
						P.O. Box 5	2181			and the control of the state of the control of the
						Phoenix A	rizona 8507	2-2181		AX6167

Phoenix, Arizona 85072-2181

AX6167

Material Number

3800550-1

Material Desc ENGINE OUTLINE GAS TURBINE

Serial Number P-2273

Mfg. Revision AC

ESS - Engines - Phoenix Honeywell International Inc 111 South 34th Street PHOENIX AZ 85072 USA

зом	Material	Material Description	Rev	Serial Number	Lot Number	Batch	Ref.Des	Quantity
1	3826980-13	ENGINE COMPRESSOR MODULE	AM	P-1394				1,0
	3840124-3	BEARING SET, THRUST BALL, SPLIT INNER RI	PARAMITE .	13-162255-10955				1,0
	3844488-3	SEAL INTSTG			13-150609-007			1,0
2	3822341-5	IMPELLER, COMPRESSOR, SECOND STAGE	В	13-182449-08511	131034133	*		1,0
3	3822347-1	FORGING COMPRESSOR	ä	13-182449-08511				1,0
2	3822611-1	IMPELLER, COMPRESSOR FIRST STAGE	G	13-182449-08502	131034137			1,0
3	S9008BT45	PIN, STRAIGHT, HEADLESS	PΥ					1,0
3	3822482-1	SEAL, AIR ROTATING	4					1,0
3	3822346-1	FORGING COMPRESSOR FIRST STAGE	-	13-182449-08502	W			1,0
2	3827191-1	HOUSING, CENTRIFUGAL COMPRESSOR, STAGE	1		13-3300-036			1,0
2	3826919-5	HOUSING, ENGINE COMP - 2ND STG			12-162053-972			1,0
1	3883499-3	ACTUATOR, INLET GUIDE VANE		1552				1,0
1	3805034-10	GEARBOX ASSEMBLY	Α	P-1401				1,0
2	3860835-2	BEARING, ROLLER, CYLINDRICAL		13-162255-17733	.*			1,0
2	3503876-6	DRIVESHAFT ASSY	J	1734	1			1,0
2	3860832-2	BEARING SET, ROLLER, CYLINDRICAL, MATCHE		13-162255-12612				1,0
2	3860832-2	BEARING SET, ROLLER, CYLINDRICAL, MATCHE		13-162255-12641				1,0
2	3860836-2	BEARING SET, ROLLER, CYLINDRICAL, MATCHE		13-162255-15519				1,0
2	3860836-2	BEARING SET, ROLLER, CYLINDRICAL, MATCHE		13-162255-15523				1,0
2	3860836-2	BEARING SET, ROLLER, CYLINDRICAL, MATCHE		13-162255-16604	E .			1,0
2	3860839-2	BEARING SET, ROLLER, CYLINDRICAL, MATCHE		13-162370-03173				1,0
2	3863163-8	HOUSING ASSEMBLY, MATCHED SET	AC	13-1034-38578				.1,0
3	3863096-1	CARRIER, BEARING	Н					1,0
3	3863162-117	CASTING, HOUSING, GEARBOX	Н					1,0
3	3863094-911	BUSHING SLEEVE	*			¥*		1,0

Subject to U.S. Export Regulations

Rev.No.:

Due A/F hours/cycles for APU life limited parts at installation 0 / 0

APU Description

: AUXILIARY POWER UNIT

Part Number

: 3800550-1

Serial number

P2273

IIN

: Z0000

Aircraft Reg

: SWU

Position

Date Installed

: 28-Jun-2013

TSN / CSN(at installation)

: 0/0

TSLV / CSLV

Remarks

	ATA Chapter	Position	IIN	Part Number	Part Descript ion	Serial Number	TSO# LL(HR)	CSO# LL(CYC)	TSN	CSN	Airframe due Hours Cycles
1	49-00-00	APU	Z0000	3800550-1	AUXILIARY POWER UNIT	P2273	0	0	0	0	NA NA
2	49-23-00		Z3311	3822611-1	IMPELLER COMPRESSOR 1ST STAGE	13-182449-08502		27000*	0	0	27000
3	49-23-00		Z3312	3822341-5	IMPELLER, COMPRESSOR 2010 S	TG 13-182449-08511		27000 *	0	0	27000
4	49-23-00		Z3313	3822612-1	IMPELLER COMPRESSOR LOAD	13-182449-08188	T. T. C.	27000 *	0	0	27000
5	49-25-00		Z3511	3842151-3	ROTOR ASSEMBLY, 1ST STAGE	12-168522-01537		27000 *	0	0	27000
6	49-25-00		Z3512	3842155-4	ROTOR ASSEMBLY, 2ND STAGE	12-168522-01912		27000 *	0	0	27000
7	49-25-00		Z3513	3842160-6	ROTOR ASSEMBLY, 3RD STAGE	12-156101-09303		27000 *	0	0	27000

** End Of Report ***



Note: #-TSO/CSO only applicable to Module and Non-Life Limited Parts.

*** - Life Calculation on Revised Life-Limit ** - Life Calculation on Soft Life Limit * - Life Calculation on Hard Life Limit

Page 1 of 1

Rev.No.:

Available hours/cycles for APU life limited parts at removal

APU Description

: AUXILIARY POWER UNIT

Part Number

: 3800550-1

Serial number

P2273

IIN

: Z0000

Ex Aircraft Reg

: SWU

Position

APU

Date Removed

: 16-Sep-2017

TSN / CSN(at removal)

: 7184 / 4819

TSLV / CSLV

7184 / 4819

Remarks

: OVERHAUL

	ATA Chapter	Position	IIN	Part Number	Part Description	Serial Number	TSO# LL(HR)	CSO# LL(CYC)	TSN	CSN	Avai Hours	lable Cycles
1	49-00-00	APU	Z0000	3800550-1	AUXILIARY POWER UNIT	P2273	7184	4819	7184	4819	NA	NA
2	49-23-00		Z3311	3822611-1	IMPELLER COMPRESSOR 1ST STAGE	13-182449-08502		27000*	7184	4819		22181
3	49-23-00		Z3312	3822341-5	IMPELLER, COMPRESSOR 2ND STG	13-182449-08511		27000*	7184	4819		22181
4	49-23-00	- 11/10-4	Z3313	3822612-1	IMPELLER COMPRESSOR LOAD	13-182449-08188		27000*	7184	4819		22181
5	49-25-00	***************************************	Z3511	3842151-3	ROTOR ASSEMBLY, 1ST STAGE	12-168522-01537		27000*	7184	4819		22181
6	49-25-00		Z3512	3842155-4	ROTOR ASSEMBLY, 2ND STAGE	12-168522-01912		27000*	7184	4819	M. (311) - 411 - 412 1114	22181
7	49-25-00		Z3513	3842160-6	ROTOR ASSEMBLY, 3RD STAGE	12-156101-09303		27000*	7184	4819	THE PARTY SAME SAME SAME SAME SAME SAME SAME SAME	22181

*** End Of Report ***



Note: #-TSO/CSO only applicable to Module and Non-Life Limited Parts.

*** - Life Calculation on Revised Life Limit ** - Life Calculation on Soft Life Limit * - Life Calculation on Hard Life Limit

GTCP 331-500[B] PERFORMANCE DATA SHEET

	0005518 331-500[B]	PART NUMBER	: 3800550-1	SERVICE ORDER :		
OPERATION TEXT : LA	B TEST			MANUAL :	EM 49-26-57	
OPERATION NO :	0220			REVISION :	20	
QUANTITY		UNITS	NO LOAD	103°F ECS MODE	103°F MES MODE	
BAROMETRIC PRESSURE		PSIA	14.59	14.59	14.59	
FUEL INLET PRESSURE	·	PSIG	25.5	20.8	20.3	
OIL PUMP DISCHARGE PRESSURE		PSIG	64.6	63.5	63.4	
OIL PUMP DISCHARGE TEMPERATURE		°F	160	163	162	
GEARBOX PRESSURE		PSIA	14.96	14.89	14.86	
COMPRESSOR INLET TEMPERATURE	MEASURED	°F	96.5	99.2	98.5	
APU INLET TEMPERATURE (T2) (ARINC)	<u> </u>	°F	101.5	103.7	101.8	
TURBINE DISCHARGE	UPPER (EGT 1)	°F	717.4	1063.9	1087.6	
TEMPERATURE (UNIT RAKES)	LOWER (EGT 2)	°F	725.3	1076.7	1112.1	
EXHAUST GAS TOTALTEMPERATURE (L/	MEASURED	°F	739.3	1075.6	1103.4	
	CORRECTED	°F		1100.6	1097.3	
ORIFICE INLET AIR PRESSURE	<u> </u>	" Hg		75.6	86.5	
ORIFICE INLET TEMPERATURE		°F		410.5	420.1	
ORIFICE DELTA PRESSURE		" H ₂ O		59.92	24.48	
IGV POSITION** (IGVPOS)		DEGREES		12.5	5.0	
IGV PERFORMANCE ADJ (IGVPERADJ)		DEGREES		5.0		
BLEED AIRFLOW	ACTUAL	LBS/MIN		474.86	320.04	
	CORRECTED	LBS/MIN		470.8	299.2	
RESTRICTED AIRFLOW (DISC. CORR. FL	DW)	LBS/MIN		166.88	106.02	
BLEED AIR TOTAL PRESSURE	INDICATED	PSIA		54.5	58.2	
	CORRECTED	PSIA		54.2	54.3	
BLEED AIR TOTAL TEMPERATURE	INDICATED	°F		420.7	430.9	
•	CORRECTED	°F		424.6	427.7	
UNIT VIBRATION	ACCESSORY	IN/SEC	0.23	0.14	0.15	
	TURBINE	IN/SEC	0.34	0.36	0.39	
TURBINE WHEEL SPEED		RPM	39041	39041	39038	
SHAFT LOAD	SHP		179.3	179.4		
	CORRECTED	SHP		180.7	180.7	
FUEL CONSUMPTION	INDICATED	LBS/HR	336.8	626	653	
	CORRECTED	LBS/HR		628.00	627.24	

TEST TECHNICIAN	:	TEST 09	QUALITY CONTROL	
		Stamp & Sign		Stamp & Sign
DATE	:	16-Oct-2017	DATE	:1 7 OCT 2017
		•		

FORM 331-500B-T-04 R19 (DDMMYY 131016)



TURBINE ACCEPTANCE TAG AND TRACEABILITY INPUT LIFE LIMITED PARTS RECORD/TRACE INPUT PAGE

PART NO: 3800550-1

SERIAL NO: P-2273

CUSTOMER: SINGAPORE AIRLINES LTD

MODEL: GTCP331-500B

SERIES: 62

DATE: 17-Oct-17

S/O NO: 5011527375

TSN: 7184:03

CSN: 4819

TSR: NA

CSR: NA

NOTIFICATION NO:

330005518

TSO: 0:00

CSO: 0

DESCRIPTION	PART NO	SERIAL NO	LOT NO	TSN	CSN	(CYCLES)	REMARKS
D/COMP IMPELLER	3822612-1	13-182449-08188	-	7184:03	4819	27000	OVERHAULED
1ST STG IMPELLER	3822611-1	13-182449-08502	- 6	7184:03	4819	27000	OVERHAULED
2ND STG IMPELLER	3822341-5	1618244923700		00	00	27000	NEW
1ST T-WHEEL ASSY	3842151-3	- 12-168522-01537					OVERHAULED
DISK PART NO	3842152-1	12-108322-01337	-	7184:03	4819	27000	OVERWINGEED
2ND T-WHEEL ASSY	3842155-4	12-168522-01912					OVERHAULED
DISK PART NO	3842156-1	12-100322-01912	-	7184:03	4819	27000	O TENTINOLED
3RD T-WHEEL ASSY	3842160-6	12-156101-09303		7184:03	4819	27000	OVERHAULED

APU ACCESSORIES RECORD/NDC

DESCRIPTION	PART NO.	SERIAL NO.	SERIES	CHG NOS	REMARKS
STARTER CTRL VLV	3283076-5	1578	1	-	REPAIRED
AIR TURB STARTER	3505814-3	1541	1	-	OVERHAULED UNIT TRANSFERRED FROM SINGAPORE AIRLINES LTD APU S/N: P-2290
STARTER MOTOR	2704442-5	1234	2	-	OVERHAULED
FUEL CLUSTER	3879008-1	CUA11725	-	-	VISUAL INSPECTED / TESTED
IGV ACTUATOR	3883499-3	1552	75		VISUAL INSPECTED / TESTED
PNEU CLUSTER	3884863-7	P-1525	1		REPAIRED
CHECK VALVE	3202854-1	1401	1		REPAIRED
SURGE CTRL VALVE	3290814-5	3290814/888	1	-	OVERHAULED
LUBE CLUSTER	4131000-6	1668	2	-	REPAIRED
AIR OIL COOLER	160488-2	1664	2		CLEANED & FLUSHED / VISUAL INSPECTED / TESTED
TEMP CTRL VALVE	160536-1	1508	2		VISUAL INSPECTED / TESTED
IGNITION UNIT	3876195-9	J17340052	-	-	NEW
IGNITION SYS ASSY	3888275-10	-	-	-	REPAIRED (ALTERNATE OUTGOING S/N:J17340052)
G/BOX ASSY	3805034-11	P-1401	-	-	MODIFIED / REPAIRED
DRIVEN COMP	3804011-10	P-1398		-	OVERHAULED
COMP MODULE	3826980-13	P-1394	-	-	OVERHAULED
TURB MODULE	3844517-7	P-1393	-	-	OVERHAULED
OIL LEVEL SENSOR	3876211-3			-	VISUAL INSPECTED / TESTED (ALTERNATE OUTGOING S/N: 97424-DT1471)
DMM	304643-2	GE12119	1	-	VISUAL INSPECTED

REMARKS:

APU HOURS AND CYCLES ARE BASED AT THE POINT OF ASSEMBLY AND OBTAINED FROM THE DMM.

INSPECTOR SIGNATURE & STAMP:

FORM: GTCP331-500B-G16-R.7 (ddmmyy 290615)



1. Approving	g Competent Authority/Country	2.			3. Form Tracking Number
		AUTHORIS	ED RELEASE	CERTIFICATE	
EASA		5			330055685
	ž.	E	EASA FORM 1		8
4. Organisat	tion Name and Address: Honeywell Ad	erospace Singapore Pte Ltd			5. Work Order/Contract/Invoice
	(Gul Circle)	PERSONNELLE PRODUCTION CONTRACTOR TO THE STATE BUT AND ADDRESS OF THE STATE OF THE	* · · · · · · · · · · · · · · · · · · ·		10453748
	161 Gul Circl Singapore 62				
	Singapore 02	3019			330006248
6. Item	7 Panadati	To B. V.	1. 2.	Total Indiana	Page 1 of 1
	7. Description	8. Part No	9. Qty	10. Serial No.	11. Status/Work
001	IMPELLER, COMPRESSOR FIRST STAGE	3822611-1	1	13-182449-08502	OVERHAULED
		10 x = -1		1	
12. Remarks				***************************************	
THE SERVI	CE SPECIFIED HAS BEEN ACCOMPLIS	HED IN ACCORDANCE WITH:		2	*
IRM 49-24	-79 Rev 9, APR/29/2016			8	
	HH.DD (HH:MM)			8	19
TSN	7184.05 (7184:03)			*	,
CSN	4819.00				s
TSO CSO	0.00 (0:00)	8			
CBO	0.00			4)	
					,
				3	2
				ar and a second	· ·
132 Certifies	that the items identified above were manu				
	proved design data and are in condition for		14a 🛛 Part-145.A.50 R		ner regulation specified in block 12
	n-approved design data specified in block 1		Certifies that unless oth	erwise specified in block 12,	the work identified in block 11 cordance with Part-145 and in
	The sea and the season of the season of			items are considered ready	
13b. Authoris	ed Signature	Approval/Authorisation Number	14b. Authorised Signature		14c. Certificate/Approval Ref. No
				Dulla Con Cons	Secretary secretary secretary
528				15	EASA.145.0076
13d. Name	13e. I	Date (dd mmm yyyy)	14d. Name		14e. Date (dd mmm yyyy)
USER/INSTALLE	R RESPONSIBILITIES		Chou Nyee Hoong		09 OCT 2017
This certificate	does not automatically constitute authority to insta	all the item(s).			
Where the user/	installer performs work in accordance with regula	ation of an airworthiness authority different than the	airworthiness authority specifi	ed in block 1, it is essential that	the user/installer
ensures that his	siner airwortniness authority accepts items from	the airworthiness authority specified in block 1.			
Statements in bi	locks 13a and 14a do not constitute installation c	ertification. In all cases aircraft maintenance records	must contain an installation	certification issued in accordance	with the national



1. Approving Civil Aviation Authority/Country: FAA/United States		2. AUTH	3. Form Tracking Number: 20170003746076Y03 330055685					
4. Orga	· V	Honeywell Aerospace Singap (Gul Circle) 161 Gul Circle Singapore 629619	ore Pte Ltd	Repair Station FT4Y192M		- w.,	5. Work Order/C 10453748 330006248 Page 1 of 1	ontract/Invoice Number:
6.Item:	7. Description:		8. Part Number:		9. Quantity:	10. Serial Number	er:	11. Status / Work:
001	IMPELLER, COMPRESS	OR FIRST STAGE	3822611-1	265	1	13-182449-085	502	OVERHAULED
	8							
12. F	Remarks:	A Season No. of the Assessment	h		-			8
THE	SERVICE SPECIFIED HAS	BEEN ACCOMPLISHED IN ACCO	RDANCE WITH:			2		
IRM	49-24-79 Rev 9, APR/29	/2016	*					
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SEE A	ATTACHED DOCUMENTS AS APP	LICABLE FOR WORK PERFORMED						
	1							
12- 8	-415-11-11-11-11-11-11-11-11-11-11-11-11-1	12 / 21 2		7 57				
isa. G		ove were manufactured in conform and are in a condition for safe ope		14a. 🛚 14 CFR		ANTHORN, Anthrope	regulation specifi	
		lata specified in Block 12.	eration.	Certifies that unles	s otherwise specifi	ed in Block 12, the hed in accordance	work identified in	Block 11 and
		lata specified III Block 12.		Regulations, part 4	3 and in respect to	that work, the iten	ns are approved for	or return to service.
13b. Aı	uthorized Signature:	13c. Approval/A	uthorization No.:	14b. Authorized Si	gnature:	at a	14c. Appr	oval/Certificate No.:
	ŶĮ.			*		de hun Con) FT4Y192	NA.
			_	w	601	15	/	.IVI
13d. N	ame (Typed or Printed):	13e. Date(dd/m	mm/yyyy):	14d. Name (Typed	or Printed):	-	14e. Date	(dd/mmm/yyyy):
				Chou Nyee Hoo	na		09/OCT/	
	- 21				119		03/001/	2017

User / Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block1. Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

FAA FORM 8130 - 3 (02-14)

NSN: 0052 - 00 - 012 - 9005

	VIL AVIATION AUTHO ORIZED RELEA CAAS(A	ASE CERT		=	20	orm Tracking Num 170003746071Y 0055685	
Organization Name and Address: Honeywell Aerospace Sing (Gul Circle) 161 Gul Circle Singapore 629619		lepair Station WI/38		* a	10 33	Vork Order/Contrac 453748 0006248 age 1 of 1	t/Invoice Number:
6.Item: 7. Description:	8. Part Number:		9. Eligibility:*	10. Quantity:	11. Serial	/ Batch Number:	12. Status / Work:
001 IMPELLER, COMPRESSOR FIRST STAGE	3822611-1		N/A	1	13-1824	49-08502	OVERHAULED
13. Remarks :					1		
THE SERVICE SPECIFIED HAS BEEN ACCOMPLISHED IN ACC	OFDANCE WITH:	g.					
IRM 49-24-79 Rev 9, APR/29/2016							
HH.DD (HH:MM) TSN 7184.05 (7184:03)	2		8	v		200 2	
CSN 4819.00							
TSO 0.00 (0:00) CSO 0.00	# × ***						
SEE ATTACHED DOCUMENTS AS APPLICABLE FOR WORK PERFORMED			8 1 2				
14. NEW PARTS		19. USED PART	9				
Certifies the items identified above were manufactured in conformity Approved design data and are in condition for safe op Non-approved design data specified in Block 13		SAR-145.50 Certifies that unless	Release to Ser s otherwise specif 3 was accomplisi	ied in Block 13, the ned in accordance	work identif with SAR 14	specified in Block 13 ied in Block 12 and 5 and the Air Navigation release to service.	
15. Authorized Signature: 16. CAAS Approv	al No.:	20. Authorized S	ignature:	Thousher	OC S	21. CAAS App AWI/38	roval No.:
17. Name (Typed or Printed): 18. Date (dd mmi	т уууу):	22. Name (Typed	d or Printed):			23. Date (dd m	nmm yyyy):
		Chou Nyee Ho				09 OCT 2017	
	llear / Installer	Responsibilities				03 001 2017	
It is important to understand that the existence of the Certificate alone does not a Where the user/installer works in accordance with the national regulations of an Authority accepts parts/components/assemblies from the CAAS. Statements 14 and 19 do not constitute installation certification. In all cases, the aircraft may be force.	utomatically constitute authority to in Airvorthiness Authority different from	stall the part/component the Civil Aviation Author	/assembly. rity of Singapore(C				

Page 1 of 1

Rev. No.:

Available hours/cycles for APU life limited parts

APU Description : AUXILIARY POWER UNIT

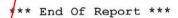
P2273 : Z0000 Part Number Serial number : 3800550-1 IIN

: 17-Oct-2017 **Date Installed** Aircraft Reg Position

TSLV / CSLV 0/0 TSN / CSN : 7184 / 4819

: OVERHAULED BY HONEYWELL W/O 5011527375 Remarks

	tem A1 No Cha		Position	IIN	Part Number	Part Description	Serial Number	TSO# LL(HR)	CSO# LL(CYC)	TSN	CSN	Avail Hours	lable Cycles
9	1 49	9-00-00		Z0000	3800550-1	AUXILIARY POWER UNIT	P2273	0	0	7184	4819	NA	NA
2	2 49	9-23-00		Z3311	3822611-1	IMPELLER COMPRESSOR 1ST STAGE	13-182449-0 <mark>8502</mark>		27000*	7184	4819		22181
;	3 49	9-23-00		Z3312	3822341-5	IMPELLER, COMP <mark>RES</mark> SOR 2ND ST	G 1618244923700		27000*	0	0	(40):	27000
4	4 49	9-23-00		Z3313	3822612-1	IMPELLER COMPRESSOR LOAD	13-182449-08188		27000*	7184	4819		22181
į	5 49	9-25-00		Z3511	3842151-3	ROTOR ASSEMBLY, 1ST STAGE	12-168522-01537		27000*	7184	4819		22181
(6 49	9-25-00		Z3512	3842155-4	ROTOR ASSEMBLY, 2ND STAGE	12-168522-01912		27000*	7184	4819		22181
	7 49	9-25-00		Z3513	3842160-6	ROTOR ASSEMBLY, 3RD STAGE	12-156101-09303		27000*	7184	4819		22181





Note: #-TSO/CSO only applicable to Module and Non-Life Limited Parts.

*** - Life Calculation on Revised Life Limit ** - Life Calculation on Soft Life Limit * - Life Calculation on Hard Life Limit

Page 1 of 1

Rev. No.:

Available hours/cycles for APU life limited parts

P2273

APU

3694 / 2305

APU Description

: AUXILIARY POWER UNIT

Part Number

Aircraft Reg

: 3800550-1

: SNB

Serial number

Position

TSN / CSN

: 10878 / 7124

TSLV / CSLV

IIN

Z0000

Date Installed

15-Nov-2017

Remarks

: AT REMOVAL DATED 23NOV2019

ATA Chapter	Position	IIN	Part Number	Part Description	Serial Number	TSO# LL(HR)	CSO# LL(CYC)	TSN	CSN	Available Hours Cycles
49-00-00	APU	Z0000	3800550-1	AUXILIARY POWER UNIT	P2273	3694	2305	10878	7124	NA NA
49-23-00		Z3311	3822611-1	IMPELLER COMPRESSOR IST STAGE	13-182449-08502		27000 *	10878	7124	19876
49-23-00		Z3312	3822341-5	IMPELLER, COMPRESSOR 2ND STO	1618244923700		27000 *	3694	2305	24695
49-23-00		Z3313	3822612-1	IMPELLER COMPRESSOR LOAD	13-182449-08188		27000 *	10878	7124	19876
49-25-00		Z3511	3842151-3	ROTOR ASSEMBLY, 1ST STAGE	12-168522-01537		27000 *	10878	7124	19876
49-25-00		Z3512	3842155-4	ROTOR ASSEMBLY, 2ND STAGE	12-168522-01912		27000 *	10878	7124	19876
49-25-00		Z3513	3842160-6	ROTOR ASSEMBLY, 3RD STAGE	12-156101-09303		27000 *	10878	7124	19876
	Chapter 49-00-00 49-23-00 49-23-00 49-23-00 49-25-00 49-25-00	49-00-00 APU 49-23-00 49-23-00 49-23-00 49-25-00 49-25-00	Chapter 49-00-00 APU Z0000 49-23-00 Z3311 49-23-00 Z3312 49-23-00 Z3313 49-25-00 Z3511 49-25-00 Z3512	Chapter 49-00-00 APU Z0000 3800550-1 49-23-00 Z3311 3822611-1 49-23-00 Z3312 3822341-5 49-23-00 Z3313 3822612-1 49-25-00 Z3511 3842151-3 49-25-00 Z3512 3842155-4	Chapter 49-00-00 APU Z0000 3800550-1 AUXILIARY POWER UNIT 49-23-00 Z3311 3822611-1 IMPELLER COMPRESSOR IST STAGE 49-23-00 Z3312 3822341-5 IMPELLER, COMPRESSOR 2ND STO 49-23-00 Z3313 3822612-1 IMPELLER COMPRESSOR LOAD 49-25-00 Z3511 3842151-3 ROTOR ASSEMBLY, 1ST STAGE 49-25-00 Z3512 3842155-4 ROTOR ASSEMBLY, 2ND STAGE	Chapter 49-00-00 APU Z0000 3800550-1 AUXILIARY POWER UNIT P2273 49-23-00 Z3311 3822611-1 IMPELLER COMPRESSOR ST 13-182449-08502 49-23-00 Z3312 3822341-5 IMPELLER, COMPRESSOR 2ND STO 1618244923700 49-23-00 Z3313 3822612-1 IMPELLER COMPRESSOR LOAD 13-182449-08188 49-25-00 Z3511 3842151-3 ROTOR ASSEMBLY, 1ST STAGE 12-168522-01537 49-25-00 Z3512 3842155-4 ROTOR ASSEMBLY, 2ND STAGE 12-168522-01912	Chapter 49-00-00 APU Z0000 3800550-1 AUXILIARY POWER UNIT P2273 3694 49-23-00 Z3311 3822611-1 IMPELLER COMPRESSOR ST 13-182449-08502 13-182449-08502 1618244923700 49-23-00 Z3312 3822341-5 IMPELLER, COMPRESSOR 2ND STO 1618244923700 49-23-00 Z3313 3822612-1 IMPELLER COMPRESSOR LOAD 13-182449-08188 49-25-00 Z3511 3842151-3 ROTOR ASSEMBLY, 1ST STAGE 12-168522-01537 49-25-00 Z3512 3842155-4 ROTOR ASSEMBLY, 2ND STAGE 12-168522-01912	Chapter 49-00-00 APU Z0000 3800550-1 AUXILIARY POWER UNIT P2273 3694 2305 49-23-00 Z3311 3822611-1 IMPELLER COMPRESSOR ST 13-182449-08502 27000 * 49-23-00 Z3312 3822341-5 IMPELLER, COMPRESSOR 2ND STG 1618244923700 27000 * 49-23-00 Z3313 3822612-1 IMPELLER COMPRESSOR LOAD 13-182449-08188 27000 * 49-25-00 Z3511 3842151-3 ROTOR ASSEMBLY, 1ST STAGE 12-168522-01537 27000 *	Chapter 49-00-00 APU Z0000 3800550-1 AUXILIARY POWER UNIT P2273 3694 2305 10878 49-23-00 Z3311 3822611-1 IMPELLER COMPRESSOR ST 13-182449-0850 2 27000 * 10878 49-23-00 Z3312 3822341-5 IMPELLER, COMPRESSOR 2ND STG 1618244923700 27000 * 3694 49-23-00 Z3313 3822612-1 IMPELLER COMPRESSOR LOAD 13-182449-08188 27000 * 10878 49-25-00 Z3511 3842151-3 ROTOR ASSEMBLY, 1ST STAGE 12-168522-01537 27000 * 10878 49-25-00 Z3512 3842155-4 ROTOR ASSEMBLY, 2ND STAGE 12-168522-01912 27000 * 10878	Chapter 49-00-00 APU Z0000 3800550-1 AUXILIARY POWER UNIT P2273 3694 2305 10878 7124 49-23-00 Z3311 3822611-1 IMPELLER COMPRESSOR ST 13-182449-0850 27000 7000 7000 7000 7000 7000 7000 7

** * End Of Report ***



Note: #-TSO/CSO only applicable to Module and Non-Life Limited Parts.

^{*** -} Life Calculation on Revised Life Limit ** - Life Calculation on Soft Life Limit * - Life Calculation on Hard Life Limit