Approving Competent Authority/Country  EASA      Organisation Name and Address: Honeywell Ae		2. AUTHOR erospace Singapore Pte Ltd	3. Form Tracking Number 201700037822 i 02 ··, ·· 330005518  5. Work Order/Contract/Invoice		
	(Gui Circle) 161 Gui Circle Singapore 62				10453748 330006248 Page 1 of 2
6. Item	7. Description	8. Part No	9. Qty	10. Serial No.	11. Status/Work
001	ENGINE OUTLINE GAS TURBINE	3800550-1	1	P-2273	OVERHAULED
SPM 20-00 IRM 49-24- IPC 49-26- EM 49-26-5 CMM 49-42- NO AIRWOR REFER TO I REFER TO S BULLETINS	CE SPECIFIED HAS BEEN ACCOMPI 1-02/70-00-01 Rev 20, FEB/24/2 -79 Rev 9, APR/29/2016 -55 Rev 18, DEC/06/2016 57 Rev 20, SEP/27/2016 -05 Rev 2, NOV/11/2014  RTHINESS DIRECTIVES APPLICABLE FORM GTCP331-500-G16-R.7 ATTAC SERVICE BULLETIN COMPLIANCE ATT COMPLIANCE. INUED ON RIGHT SIDE	2016 ED TO THIS APU. HED FOR LIFE LIMITED PARTS.	DMM. DMM HRS/CYC USED IN APU APU PRESERV PER SB 49-79	LES ON RELEASE IS 7186:0 FINAL TESTING). ATION AND STORAGE FOR A 997 REV 5, REV DATE FEB/ STARTER MOTOR PROTECTOR	OF APU ASSEMBLY AND DERIVED FROM  02 / 4825 (1:59 HRS AND 6 CYCLES  PERIOD OF UP TO 24 MONTHS AS  / 3/2017.  P/N: 2709968-1, GENERATOR BLANK  See continuation page
арр	that the items identified above were ma ro design data and are in condition f -approved data specified in block	or safe operation	Certifies that unles and described in bl	s otherwise specified in block 1	ther regulation specified in block 12 12, the work identified in block 11 ccordance with Part-145 and in y for release to service.
13b. Authorised Signature  14b. Authorised Signature  i ;{<				14c. Certificate/Approval Ref. No l EASA. 145.0076	
113d. Na 13e. Date (dd mmm yyyy) j 14d. Name 14e. Date (dd n Tan Chat Pang 17 OCT 2017					14e. Date (dd mmm yyyy) 17 OCT 2017
This certificate d Where the user/l ensures that his/ Statements in bl	R RESPONSIBILITIES loes not automatically constitute authority to Installer performs work in accordance with regular //her airworthiness authority accepts Items from locks 13a and 14a do not constitute installation on the user/installer before the aircraft may be flown.	ation of an airworthiness authority different than the airworthiness authority specified in block ertification. In all cases aircraft maintenance rec	1.		



(Continued) 20170003782291Y02 Page 2 of 2

### Form Tracking Number

12.Remarks (Continued):

HH.DD (HH:MM)

TSN 7184.05 (7184:03)

CSN 4819.00

TSO 0.00 (0:00)

CSO 0.00

SERIES/ISSUE/AMDTS:62

**AUTHORIZED RELEASE CERTIFICATE** 1. Approving Civil Aviation 3. Form Tracking Number: Authority/Country: 20170003782292Y03-T FAA Form 8130-3. AIRWORTHI ESS APPROVAL TAG 330005518 **FAA/United States** 4. Organization Name and Address: Honeywell Aerospace Singapore Pte Ltd 5. Work Order/Contract/Invoice Number: Repair Station 10453748 (Gui Circle) Ff4Y192M 330006248 161 Gui Circle Page 1 of 2 Singapore 629619 10. Serial Number: 11. Status / Work: 6. Item: 7. Description: 8. Part Number: 9. auanr **OVERHAULED** ENGINE OUTLINE GAS TURBINE P-2273 001 3800550-1 CONTINUED: 12. Remarks: TSN: 7184:03 CSN: 4819 IS AT POINT OF APU ASSEMBLY AND DERIVED FROM THE SERVICE SPECIFIED HAS BEEN ACCOMPLISHED IN ACCORDANCE WITH: DMM. SPM 20-00-02/70-00-01 Rev 20, FEB/24/2016 DMM HRS/CYCLES ON RELEASE IS 7186:02 / 4825 (1:59 HRS AND 6 CYCLES IRM 49-24-79 Rev 9, APR/29/2016 USED IN APU FINAL TESTING). IPC 49-26-55 Rev 18, DEC/06/2016 APO PRESERVATION AND STORAGE FOR A PERIOD OF UP TO 24 MONTHS AS EM 49-26-57 Rev 20, SEP/27/2016 PER SB 49-7997 REVS, REV DATE FEB/ 3/2017. CMM 49-42-05 Rev 2, NOV/11/2014 SHIP LESS: STARTER MOTOR PROTECTOR P/N: 2709968-1, GENERATOR BLANK cokR P/N: 3862212-3. NO AIRWORTHINESS DIRECTIVES APPLICABLED TO THIS APU. REFER TO FORM GTCP331-500-G16-R.7 ATTACHED FOR LIFE LIMITED PARTS. REFER TO SERVICE BULLETIN COMPLIANCE ATTACHED FOR ALL SERVICE BULLETINS COMPLIANCE. TEXT CONTINUED ON RIGHT SIDE See Continuation page SEE ATTACHED DOCUMENTS AS APPLICABLE FOR WORK PERFORMED

$\begin{array}{ccc} \textbf{13a. Ced} \text{ les the items identified above were manufal} \\ D & \text{ed design data and are in a cond} \\ D & \text{Non-appro} & \text{esign data specified in Bl} \end{array}$	ition for safe operation.	14a.: !:&I 14 CFR 43.9 Return to Service D Other regulation specified in Block 12  Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regplations, part 43 and in respect to that work, the items are approved for return to service.			
13b. Authorized Signature:	13c. Approval/Authorization No.:	14b.I Authorized Signature:	v 114c.	Approval/Certificate No.:  Y192M	
13d. Name (Typed of Printed):	13e. Date(dd/mmm/yyyy):	14d.[Name (Typed or Printed):  Ta Chat Pang	·	Date (dd/mmm/yyyy): DCT/2017	

User / Installer Re ponsibilities

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 count! Y 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 authori of the country SJ?.8Ciffed in Block1. Statements in Blocks 13a and 14a do not constitute installation er:tification. 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

Page 2 of 2 Form Tracking Number : 20170003782292Y03 (Continued) 12. Remarks (Continued): HH.DD (HH:MM) TSN 7184.05 (7184:03) 4819.00 TSO 0.00 (0:00) CSO 0.00 SERIES/ISSUE/AMDTS:62

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1. Country SINGAPORE  2. CIVIL AVIATION AUTHORITY OF SINGAPORE AUTHORIZED RELEASE CERTIFICATE CAAS(AW}95						3. Form Tracking NumbeP:1 •, 20170003782293Y06 330005518			
4. Orga	anization Name and Address	: Honeywell Aerospace Singapo (Gui Circle) 161 Gui Circle Singapore 629619	ore Pte Ltd	Repair Station AWI/38				5. Work Order/Contract 10453748 330006248 Page 1 of 2	VInvoice Number:
6.ltem:	7. Description:		8. Part Number:		9. Eligibility:*	110. Quantity:	11. Se	erial / Batch Number:	12. Status/ Work:
001	ENGINE OUTLINE GAS	STURBINE	3800550-1		N/A	1	P-22	73	OVERHAULED
13. Remarks: THE SERVICE SPECIFIED HAS BEEN ACCOMPLISHED IN ACCORDANCE WITH: SPM 20-00-02/70-00-01 Rev 20, FEB/24/2016 IRM 49-24-79 Rev 9, APR/29/2016 IPC 49-26-55 Rev 18, DEC/06/2016 EM 49-26-57 Rev 20, SEP/27/2016 CMM 49-42-05 Rev 2, NOV/11/2014  NO AIRWORTHINESS DIRECTIVES APPLICABLED TO THIS APU. REFER TO FORM GTCP331-500-G16-R.7 ATTACHED FOR LIFE LIMITED PARTS. REFER TO SERVICE BULLETIN COMPLIANCE ATTACHED FOR ALL SERVICE BULLETINS COMPLIANCE. TEXT CONTINUED ON RIGHT SIDE  SEE ATTACHED DOCUMENTS AS APPLICABLE FOR WORK PERFORMED				DMM.  DMM HRS/CYCI  USED IN APU  APU PRESERVA  PER SB 49-79	ES ON RELEA FINAL TEST ATION AND ST 997 REV 5, F TARTER MOTOR	SE IS 7186:0 ING). ORAGE FOR A REV DATE FEB	2 / 48 PERIOI / 3/20	709968-1, GENERATO	5 CYCLES
W PARTS Certifies ems identified above were manufactured in conformity to:  Appr esign data and are in condition for safe operation Non-approved data specified in Block 13  15. Authorized Signature: Approval No.:				19. USED PARTS  SAR-145.50 Release to Service D Other regulation specified in Block 13.  Certi es th_at unless otherwise spe ified i_n Block 13, the work identified in Block_12 a d. described m Block13 was accomplished m accordance with SAR 145 and the Air Navlgat1on Order and in respect to that work the items are considered ready for release to service.  20. Authorized Signature:  121. CAAS Approval No.:  AWI/38					n
17. N	ame nted):	118. Date (dd	mmm yyyy)	122. Name (Type Tan Chat Pan				23. Date (dd m 17 OCT 2017	
<ol> <li>'Mtere Authority</li> <li>Stater</li> </ol>	the usernnstaller works in accorda accepts parts/components/assem	ence of the Certificate alone does not autom nce with the national regulations of an Airwo blies from the CAAS. stallation certification. In all cases, the aircra	atically constitute authority rthiness Authority different	from the Civil Aviation Author	assembly. rity of Singapore(C	**			

Page 2,of.-7 20170003782293Y06 Form Tracking Number : (Continued)

13. Remarks (Continued):

HH.DD (HH:MM) 7184.05

TSN (7184:03)

CSN 4819.00

TSO 0.00 (0:00)

CSO 0.00

SERIES/ISSUE/AMDTS:62

### GTCP 331-500[8] PERFORMANCE DATA SHEET

	GICF .	<u> </u>	J PERFORI	MANCE DATA	SHEET	
NOTIFICATION NUMBER  APU MODEL		005518 331-500[Bl	PART NUMBER :	3800550.4	SERVICE ORDER	2: 5011527375 P-2273
APU MODEL	<u>GTCP</u> ,	<u>331-300[Bl</u>	PART NUMBER	3800550-1	SERIAL NUMBER	P-22/3
OPERATION TEXT	LAI	B TEST			MANUAL	EM <b>49-26-57</b>
OPERATION NO		0220			REVISION	20
QUAN	TITY		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 PRES	SURE		PSIG	64.6	63.5	63.4
OIL PUMP DISCHARGE TEMP	ERATURE		OF	160	163	162
GEARBOX PRESSURE			PSIA	14.96	14.89	14.86
COMPRESSOR INLET TEMPER	RATURE	MEASURED	OF	96.5	99.2	98.5
APU INLET TEMPERATURE (T	2) (ARINC)		OF	101.5	103.7	101.8
TURBINE DISCHARGE		UPPER (EGT 1)	OF	717.4	1063.9	1087.6
TEMPERATURE (UNIT RAKES	)	LOWER (EGT 2)	OF	725.3	1076.7	1112.1
EXHAUST GAS TOTALTEMPE	RATURE (LA	MEASURED	°F	739.3	1075.6	1103.4
		CORRECTED	+ <b>r7"7</b> ' <b>r</b> 7 °F	'''''''''''''''''''''''''''	" <b>77</b> ',,.,.,.,.,+- 1100.6	1097.3
ORIFICE INLET AIR PRESSUF	RE	<u>I</u>	"Hg		<b>-</b> 75.6	86.5
ORIFICE INLET TEMPERATUR	RE		OF		<b>4</b> 10.5	420.1
ORIFICE DELTA PRESSURE					<b>-</b> 59.92	24.48
IGV POSITION" (IGVPOS)			DEGREES		<b>-</b> 12.5	5.0
IGV PERFORMANCE ADJ (IG	VPERADJ)		DEGREES		5.0	
BLEED AIRFLOW		ACTUAL	LBS/MIN		<b>-</b> 474.86	320.04
		CORRECTED	LBS/MIN		<b>-</b> 470.8	299.2
RESTRICTED AIRFLOW (DISC	. CORR. FLO	ļ	LBS/MIN		<b>-</b> 166.88	106.02
BLEED AIR TOTAL PRESSURI		INDICATED	PSIA		54.5	58.2
BEEEB / III TO I NET REGOOK	-	CORRECTED	PSIA		<b>5</b> 4.2	54.3
BLEED AIR TOTAL TEMPERATU	IRF	INDICATED	OF		420.7	430.9
BEEEB / W.C. TO I/LE TERM ETO CTO		CORRECTED	OF		424.6	427.7
UNIT VIBRATION		ACCESSORY	IN/SEC	0.23	-	
ONIT VIBIONION				0.34	0.14	0.15
TURBINE WHEEL SPEED		TURBINE	IN/SEC	39041	0.36	0.39
		ADDIJED	RPM		39041	39038
SHAFTLOAD		APPLIED	SHP		179.3	179.4
FUEL CONCURSTION		CORRECTED	SHP	336.8	180.7	180.7
FUEL CONSUMPTION		INDICATED	LBS/HR	330.6	626	653
		CORRGCTED	LBS/HR		628.00	627.24
TEST TECHNICIAN		HORETWELL (S) TEST 09		QUALITY CONTRO	ol 🥰	Eq. Weigh 16 × 76 × 8
DATE		Stamp &Sign				Stamp&Sign
DATE		16-0ct-2017		DATE	<u> </u>	<u> 2 OCT 2017 </u>

FORM 331-500B-T-04 R19 (DOMMYY 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	LIFE LIMITS CYCLES	<u>REMARKS</u>
D/COMP IMPELLER	3822612-1	13-182449-08188		7184:03	4819	27000	OVERHAULED
IST STG IMPELLER	3822611-1	13-182449-08502	_ 7	7184:03	4819	27000	OVERHAULED
ND STG IMPELLER	3822341-5	1618244923700	_ 1	00	00	27000	NEW
1ST T-WHEEL ASSY	3842151-3	12-168522-01537					OVERHALLER
DISKPARTNO	3842152-1	12-100022-01037	•	7184:03	4819	27000	OVERHAULED
2ND T-WHEEL ASSY	3842155-4	40 400500 04040					OVEDLIALILED
DISKPARTNO	3842156-1	12-168522-01912	•	7184:03	4819	27000	OVERHAULED
3RD T-WHEEL ASSY	3842160-6	12-156101-09303	-	7184:03	4819	27000	OVERHAULED

#### APU ACCESSORIES RECORD/NOC

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 SIN: P-2290
STARTER MOTOR	2704442-5	1234	2	•	OVERHAULED
FUEL CLUSTER	3879008-1	CUA11725	-	•	VISUAL INSPECTED / TESTED
IGV ACTUATOR .	3883499-3	1552	-	-	VISUAL INSPECTED/ TESTED
PNEU CLUSTER	3884863-7	-F,: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/BOXASSY	3805034-1 I	P-1401	-	-	MODIFIED/ REPAIRED
DRIVEN COMP	3804011-10	P-1398	-	-	OVERHAULED
COMP MODULE	3826980-13	P-1394	-	-	OVERHAULED
TURBMODULE	3844517-7	P-1393	-	-	OVERHAULED
OIL LEVEL SENSOR	3876211-3	-	-	-	VISUAL INSPECTED/ TESTED (ALTERNATE OUIGOING SIN: 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 (ddmmw 290615)



ENGINE MODEL: 331-500B

SERVICE RECORD

SERVIC E\_BUL\_IETJN COM\_PLI NCE

ENGINE SERIAL NUMBER: P-2273

CUSTOMER: SINGAPORE -AIRLINES LTD REPAIR ORDER: 000330006248

"MODL1LE: ENGINE ..PART: 3800550-1

"\$ERVICE BULLETIN	REV	DESCRIPTION	ACCOMP	WHEN ACCOMP	Recurring
331-49-7870	0	AIRBORNE AUXILIARY POWER • GAS TURBINEE	Complied VVith	16/OCT/2017	
331-49-8137	0	AIRBORNE AUXILIARY POWER - GAS TURBINEE	Complied VVith	16/OCT/2017	
331-49-8138	0	AIRBORNE AUXILIARY POWER - GAS TURBINEE	Complied VVith	16/OCT/2017	
331-49-8141	0	AIRBORNE AUXILIARY POWER - GAS TURBINEE	Complied VVith	16/OCT/2017	
331-49-8170	0	AIRBORNE AUXILIARY POWER - GAS TURBINEE	Complied VVith	16/OCT/2017	
331-49-8179	1	AIRBORNE AUXILIARY POWER - GAS TURBINEE	Complied VVith	16/OCT/2017	
331-49-8180	1	AIRBORNE AUXILIARY POWER • GAS TURBINEE	Complied VVith	16/OCT/2017	
331-49-8187	0	AIRBORNE AUXILIARY POWER - GAS TURBINEE	Complied VVith	1 6 OCT 2017	
49-7997	5	AIRBORNE AUXILIARY POWER - GAS TURBINEE	Complied With	1 6 OCT 2017	у

Honeywell Aerospace Singapore Pte Ltd INSPECTOR SIGNATUREcffl.---:

REPAIR STATION # FAA-EASA-CAAS-CAAC-JCAB

17 OCT 2017

DATE:

PAGE: 1 of 1

DATE	ACCL LAT ENG HOL HH. (HH:N	ED INE JRS <sub>DD</sub>	LA <sup>-</sup> ENC	UMU- TED SINE CLES	ENGINE SERVICE RECORD  REMARKS, INSPECTIONS, REPAIRS, AND ADJUSTMENTS			
1.(S/OCT/2017	<b>TSN</b> 7184.05 (7184:03)	<b>TSO</b> 0.00 (0:00)	<b>CSN</b> 4819	<b>CSO</b> 0	P/N 3800550-1 Model 331-5008	S/N Serie Custo	P-2273 <b>s</b> 62 <b>omer PO</b> 10453748	
	(**************************************	(0.00)			DESCRIPTION OF WORK PERFORMED  DISASSEMBLED ENGINE TO ACCOMPLISH INSPECTIONS AS INDICATED/ TO ACCOMPLISH REPAIR FOR REPORTED REASON: OVERHAUL (MSA)  RE-ASSEMBLED ENGINE AND TESTED AS SPECIFIED. ALL WORK PERFORMED IN ACCORDANCE WITH MANUFACTURER'S MAINTENANCE MANUALS.			
					MANUALS 20-00-02/70-00-01 49-24-79 49-26-55 49-26-57 49-42-05	_REV 20 9 18 20 2	DATED 24/FEB/2016 29/APR/2016 06/DEC/2016 27/SEP/2016 11/NOV/2014	
					INSPECTIONS COMPI		SEE SERVICE BULLETIN LIS"	
							S VISIT: SEE TRACE INPUT PAGE	
					NOC / LIFE LIMITED		LIFE LIMITED PARTS RECORD ZED COMPONENTS INSTALLED	
					THIS ENGINE HAS BEEN REPAIL APPLICABLE NATIONAL AVIATIO FOR RETURN TO SERVICE WITH DETAILS ARE ON FILE AT THIS A	ON ADMINISTRATION REGUL H RESPECT TO THE WORK	ATION AND IS APPROVED PERFORMED. PERTINENT	

Honeywell Aerospace Singapore Pte Ltd REPAIR STATION#

INSPECTOR **SIGNATUR** --

DATE:

REPAIR STATION# FAA-EASA-CAAS-CAAC-JCAB

17 OCT 2017

Note: APU on release after testcell runs.

The TSN/CSN is as follows:

TSN:.\_7\_/\_J'\_6\_:\_CJ\_2\_HRS

CSN: \_\_\_-#\_R\_d\_5 CYCLES

J:Ioneywell Aerospace Singapore Pte Ltd (Gui Circle)

# Honeywell

**nns** is an extract of replacement of fuel (etops) nozzles. Reference sia si no: ib7774900013 Rev 4 /4 Mar 2010.

IA/CK	EON:
APU	SIN:

::i. <u>73</u>

STATION:

<u> DATE: 17 OCT 2017</u>

### SIA SI NO: 1B7774900013 REPLACEMENT OF FUEL (ETOPS) NOZZLES

ITEM	DESCRIPTION OF WORK	APPLICABLE SECTION	Date	Stamp/Sign
	COHPL:IANCB:  DOITIAL: AT APU TS::I OP 2000 APU HRS DURING JIFINGAR CL.J.GCO ONLY.  EAT f : IIQ_9 J Ii _ D I- Q!BCK_ON1-  ROTE:  THE Al:R.F.RAMB-APU HOCR Ur.IO 1S DEPENDBN'1' ON nm AI:RCRAFr SBR:IES ON ME!CH Tim Al?U IS FITTED TO, SO* - 1 AIRFR»IB (mt]R a .ISG APIJ B0111tS SR" • 1. J.\IR:r'R»!B KOOR a: 0,80 Al?U BOURS SV* - 1 AIRF.R.»IB ROUR - 0.52 A U ROURS :	NA NA	NA	NA
	SY* - 1. AIRF H :four • 0.75 Al?U HOV S  TICRH.!!lATING AC'lION:  TO BE ISWBD IN TWO YEARS,  RBPBQEbCDG:  E:YWll:LL 33:1.•5008 Al'U MSA, CUS %SBt> WORJ <scop2.< th=""><th></th><th></th><th></th></scop2.<>			
	P.!"RCTJ:VJ:r\":  ALL 8777 HONEYWllt.L GTCl?331-500 APO.  DJ:SC:OSS!ON:			
	HONRYWELL 331-500B MSA REQUIREMENT.			

## **111S** IS AN EXTRACT OF REPLACEMENT OF FUEL (ETOPS) NOZZLES. REFERENCE SIA SI NO: IB7774900013 REV 4 /4 Mar 2010.

1	TURBINE	NA	NA	NA
	REPLACE FUEL NOZZLES PN: 3883453-1 (14 NOZZLES PER APU) IN ACCORDANCE WITHAMM TASK49-13-03 (PG401)-FUEL NOZZLES REMOVAL/INST ALLAITON. SEND FUEL NOZZLES OUTHOUSE FOR REFURBISH1\1ENT.			
2	ANNOTATE DETAILS OF INSTALLED COMPONENTS.  (TO COMPLETE ATTACHMENT #1)	Final Assembly	14 OCT 2	Participal (Participal Participal

Certifies that the work specified except as otherwise specified was carried out in accordance with SAR-145 and the Air Navi ation Order and in res ect to that work the aircraft/aircraft com onent is considered read for release to service.

Page Sign/Stamp Off

Date Completed

<del>| 7-001-201/</del>



H!)ne·well Aerospace Singapore Pte Ltd (Gui Circle)

# Honeywell

THIS IS AN EXTRACT OF REPLACEI\ffiNT OF FUEL (ETOPS) NOZZLES. REFERENCE SIA SI NO: IB7774900013 REV 4 /4 Mar 2010.

Attachment #1

source Document: IB777490013 Details of installed APU Nozzles

Sin	Part No	Serial No	Position
1	g9lltck1-\	1 11	t
2	t S\f ':lr-I	1.A b1!f- •	:)
3	t 1 \t t-t	j o C	
4	<i>i</i> 1 \t k- <b>t-(</b>	k k.l t !ql	lt
5	l U'ct	i t lf tl	
6	R i ,_{	AAl ot C	1
7 _	lt r <b></b> f	! e )-	t
8	t i. <b>t l</b> ,_1	i 11t4	R
9	\.i 1t	A.A&. c ft	G'
10	i ltk -l	1 A-tL\ <t th="" trg?<=""><th>b</th></t>	b
11	q, ttt.kJ	<b>t</b> IA'7 t 9	u
12	_s. \ 4 \	' <b> -ttL</b> . t.k-c <i>Eb</i>	<i>l</i> \
13	t 1  {ir- \	tk 1' ·o .ilr <a ?<="" th=""><th>t-1</th></a>	t-1
14	B1.\tk''' ,f	A k ka!( 9?	

### **Honeywell Aerospace Singapore Pte Ltd (Gui Circle)**

# Honeywell

1HIS IS AN EXTRACT OF SIA STAGGER CHECK SHEET FORM NO: INS/B777/7025 ISSUE 2 (04/2004)

### SIA STAGGER CHECK SHEETS FOR GTCP331-500B APU

ITEM	DESCRIPTION OF WORK	APPLICABLE SECTION	Date	Stamp/Sign
1 - AP	U POWERPLANT		 I	
1	Visually inspect the APU mounts, fittings and brackets for cracks, wear and dam e	Receiving	!)qq <b>  r</b>	DISY 20
2	Visually examine the internal and external portions of the inlet duct and inlet Plenum seal for condition and security.	Receiving	\ t\ Pf	HONEYWELL PRI DISY 20
3	Perform an inspection of the APU Plenum drain. a) Examine the drain tube for corrosion.	Receiving	4\A	HONETWELL (S) DISY 20
	b) Push lockwire through the Plenum drain outlet to ensure it is not clogged.	Receiving	$ i\rangle$	HONEWAEL (S) DISY 20
4	a) Remove, drain, inspect and install the APU Combustor drain valve.	Final Assembly	3 OCT 2017	HONETWELL DIT ASSY 69
	b) Functional check APU combustor drain valve.	Accessories	10/7	SISANGENEUS)
2 - AP	U ENGINE	_	~ \	
2 3-APU	Perform borescope inspection of the following:- a) Load Compressor b) First stage Compressor c) Second stage Compressor d) Combustion Chamber e) First Stage Stator Vane Assembly. f) First S e turbine Section. Inspect APU inlet Bellmouth V-band Clamp PN 3617128-1 installation. Visually inspect the inlet bellmouth and clamp to observe if they are tilted or loose. If the bellmouth and clamp are not determined to be loose by visual inspection, insert a long screwdriver or similar metal rod (0.25inch/6.35 mm max diameter) through the inlet screen and firmly push against the clamp bolts which retain the two clamp halves to determine if the clamp can be shifted by hand pressure.  NOTE: DO NOT APPLY FORCE TO THE BELLMOUTH CLAMP BY ANY METHOD OTHER THAN HAND PRESSURE. If the clam is found to be loose, accom lish Hone ell SB 331-49-7547.  AND GENERATOR LUBRICATION SYSTEM	Receiving  Receiving	,4), 39/9/17	DISY 20 HONEYWELER DISY 20
I	Remove, check and replace the oil filter element and the generator scavenge oil filter element (at final, verify that the lube filters are replaced for the APU since incoming).	Testing	6 OCT 2017	TEST 09
2	Remove and examine the four magnetic chip detectors of the APU oil system for metal particles. Rectify as necessary. Clean and reinstall the magnetic chip collectors.	Testing	1 6 OCT 2017	HOVETWELL (S) TEST 09
3	Inspect the APU oil level and service the APU oil reservoir	NIA		N/A

Form No: Z006 RI (ddmmyy 240415)



### Honeywell Aerospace Singapore Pte Ltd (Gui Circle)

# Honeywell

THIS IS AN EXTRACT OF SIA STAGGER CHECK SHEET FORM NO: INS/B777/7025 ISSUE 2 (04/2004)

4- AP	U ENGINE FUEL SYSTEM			
I	Remove, check and replace the fuel filter element attached to the Fuel	Accessories		
1	Cluster (at final verify that fuel filter is replaced for the APU since	recessores	2 OCT 2017	
	incoming).		2 OCT 2017	
5-APU	J IGNITION/ STARTING SYSTEM	<b>.</b>		
I	Remove and replace both igniter plugs on the APU.	J<"inal Assemblyl	4 001 2017	
2	Remove and inspect the Air Turbine Starter magnetic chip collector for			
	metal particles. Rectify as necessary. Clean and reinstall the magnetic chip collector.	Testing 1	6 <i>OCT</i> 2017	
3	Inspect electric starter clutch PIN: 3503876-5 and Air turbine starter	Final Assembly		MOMENTELLES)
	installation oflockbolts using inspection tool (inspection with clutch	1	4 OCT 2017	ASSY 69
	installed in APU) PIN: PMAT2660 as per Honeywell SB 331-49-7556.	1	4 001 2011	<b>V</b>
6- AP	U EXHAUST SYSTEM			
I	Inspect EGT Thermocouple and harness for condition and security of installation.	Final Assembly 1 4	OCT 2011	, ``— r <u>(</u> 69J
7-APU	J INDICATING SYSTEM	<u> </u>	= -11	
1	Inspect the Data Memory Module for condition and security of installation.	Final Assembly	14 OCT	2(1
8APU V	WIRE HARNESS AND ELECTRICAL COMPONENTS			
1	Inspect the APU wire harness from the front of the APU and all around the	Final Assembly	1 / OC	
	APU where it connect to all electrical components for condition.,	2 mm 1 255cm Ny	1. 4	1
	cleanliness and security.			
2	Inspect all the quick release fastener cable clamp for condition and security.	Final Assembly	4 OCT 1n11	N   \ \
3	Inspect all electrical components for condition, cleanliness and security.	Final Assembly I	4 OCT 2017	() ;:_;)
9- AP	U COMPONENTS			V
	Inspect the following APU system components for condition and security	:-		
	APU CONTROL SYSTEM	Final Assembly		10.
	a) Inspect both the speed sensors on the APU for condition and security	1 <b>1</b> 1	OCT 2017	M HOMETHELE
	of installation		00. 2017	ASS.
	b) Inspect the APU inlet temperature sensor for condition and security of installation.	Final Assembly	л <sub>4</sub> ост <sub>2017</sub>	:
2	APU Air inlet system components including the air inlet Plenum flange	Final Assembly		
	seal.		4 OCT 2	17
3	APU drains and associated tubes.	FinalAssem bl	OCT 7017	
4	Accessory drive gearbox and gearbox mounted components.	Final Assembly	1 <i>L</i> OCT ?n17	U1
5	APU Lubrication system components:			
	a) APU 'LUBE' Cluster	Final Assembly	1 4 OCT 20	7 l.¢
	b) Components outside the 'LUBE' Cluster:-	Final Assembly		
	Filter Bypass valve and indicating switches, oil and Generator			ASSY 69
	scavenge filters, Low oil pressure switch, oil pressure sensor, oil		1 4 OCT 26	W LASSY BY
	temperature sensors and Thermostatic Bypass valve.		. 501 28	W 7 11
	. ,,			

Form No: 2006 RI (ddmmyy 240415)

### Honeywell Aerospace Singapore Pte Ltd (Gui Circle)

# Honeywell

#### THIS IS AN EXTRACT OF SIA STAGGER CHECK SHEET FORM NO: INS/B777/7025 ISSUE 2 (04/2004)

	U COMPONENTS-cont'd	TT 1 / **		
5	c) Magnetic Chip Collectors:-	Final Assembly		
	ATS Magnetic Chip Collector, Generator Scavenge Magnetic chip	i	I	I h. Grave
	collector, Turbine Bearing Magnetic chip collector, Mid-bearing		4 OCT 2017	HOME ASS
	Magnetic chip collector and Sump drain Magnetic chip collector.		] . 55. 2011	ASS CASS
	d) AIR/ OIL Cooler.	Final Assembly	4/ OCT com	HONEYW
			14 OCT 2017	ASSY
	e) APU Oil Heater system components.	1/2	1 4 OCT 20	HONETWELL CO
6	APU Fuel System Components:	-		
	a) APU Fuel cluster containing the APU fuel control and fuel system	Final Assembly		HOREYN
	components.		1 4 OCT 2017	(A) ASS
	b) Fuel manifolds and nozzles	Final Assembly	1 4 OCT 201	Molemen to
	ADMIT ME I A CALL ALL MARKET IN THE SECOND OF THE SECOND O	F21 A1.3	17 30. 20	BONETWE
'	<ul> <li>a) APU ignition cluster containing the igniter plugs, ignition leads and the ignition unit.</li> </ul>	Final Assembly		WASSY
	iganuoti utitt.	. 1	4 OCT_2017	Marine
	b) Electric Starter Motor, Electric Starter Clutch, Air Turbine Starter,	Final Assembly		2 h
	Air Turbine Starter Clutch and Air Turbine Starter Control Valve		1 4 OCT 20°	
	{A15-Cv)			AGSY 69
3	APU Exhaust System components.		1 4 OCT 2017	ASS
	a) APU Pneumatic Cluster containing inlet pressure sensor, Total	Final Assembly	1 4 001 2017	
	pressure sensor, Differential Pressure sensor and surge control valve.	·	4 OCT 2017	HOKEYWE
	b) Inspect the APU Delta pressure transducer PIN: 3876219-2 for the	<del></del>		7
	following:			HONEYM ACC
	ionowing.	_	12/10/2017	From
	i) Manufacturing date code or Sept 1997 or later	Accessories	12/10/2017	Assa A
	Or	T2' - 1 A 3 3	12/10/201	Fring
	<li>Final test stamp (rectangular in shape, displaying "FT' and number "363"</li>	Final Assembly		~ N (808)
	Or		1 4 OCT 20	IN THE LAS
	iii) Component maintenance manual Test Stamp (circular in	Accessories	ļ	4, –
	shape,			
	displaying R&O FT and a date).		1	HONEYWELL
	D 1			ACC 5
	Replace Transducer per B777 49-53-04 if none of the above is found		when to make	
	on the transducer.  C) Air Supply System Components including Inlet Guide Venes (IGV)	Final Assembly	12/10/2017	Som
	<ul> <li>C) Air Supply System Components including Inlet Guide Vanes (IGV), Inlet Guide Vane Actuator, APU Check Valve, Surge duct,</li> </ul>	rinai Assembly	4 / OCT 201	HOHETHEL
	neumatic ductin s and lumbin s.		7 4 UC1 (81)	W ASSY
	I DECOMANG CONCINE STATIO TORROUM S		1	

Certifies that the work specified except as otherwise specified was carried out in accordance with SAR-145 and the Air Navigation Order and in respect to that work the aircraft/aircraft component is considered ready for release to service.

Sign/Stamp:	THE STREET	Date:17 OCT 2017

Form No: 2006 RI (ddmmyy 240415)

1. Approvin	ng Competent Authority/Country	<sup>2.</sup> AUTHO	ORISED RELEA	SE CERTIFICATE	3. Form Tracking Number 20170003746661Y02 330054959		
4. Organisa	ation Name an Address: Honeywell (Gui Circle) 161 Gui Circ Singapore 6	cle			5. Work Order/Contract/Invoice 10453748 330006248 Pagel of 1		
6. Item	7. Description	8. Part No	9. Qty	10. Serial No.	11. Status/Work		
001	IMPELLER, LOAD COMPRESSOR	3822612-1	1	13-182449-08188	OVERHAULED		
12. Remar	<u> </u>				-		
THE SERV	TICE SPECIFIED HAS BEEN ACCOMPLI 4-79 Rev 9, APR/29/2016	SHED IN ACCORDANCE WITH:					
TSN CSN TSO CSO	HH.DD .,(HH:MM) 7184.05 ('7184:03) 4819.00 0.00 (0:00) 0.00						
· le	es that the items identified above were n	nanufactured in conformity to:	14a 1;21 Part-145.	.A.50 Release to Service ${ m D}$ C	Other regulation specified in block 12		
no	esign data and are in conditior on-approved data specified in block		Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, was accomplished in accordance with Part-145 and in respect to that work the items are considered ready for release to service.				
13b. Authori	ised Signature		14b. Authorised Sigr	nature _ :,;	14c. Certificate/Approval R f. No  EASA.145. 0076		
	1.1	3e. Date (dd mmm yyyy)	I14d. Name		14e. Date (dd mmm yyyy)		
	<u> </u>		Chou Nyee Hoong		·09 OCT 2017		
	LER RESPONSIBIUTJ	- stall the Item(s).	ened type hoolig		03 001 2017		
ensures that I	ernnstaller performs W.!»T In_i,!Ccordance with re hls/har airworthiness quthority accepts Items from blocks 13a and 14a do not constitute Installation to the usernnstaller before the aircraft may be flow	om the airworthiness authority specined In certification. In all cases aircraft maintenance	block 1,				

1. Approving Civil Aviation  FAAA United Sta\s		AUTHORIZED REL A Form 8130-3, AIRWO		_	AG	3. Form Tracking Number: 20170003746660Y03-330054959		
4. Organization Name and pdre	ess: Honeywell Aerospa {Gui Circle) 161 Gui Circle Singapore 629619	ce Singapore Pte Ltd	Repair Station FT4Y192M			5. Work Orde 10453748 330006248 Page 1 of 1	r/ContracVInvoice Number:	
6. Item: 7. Description:		8. Part Number:	9	. Quantity:	10. Serial Numbe	<del>I</del> er:	11. Status / Work:	
001 IMPELLER, LOACICO	DMPRESSOR	3822612-1	1	,	13-182449-081		·OVERHAULED	
TSN 7184.05 (718 CSN 4819.00	MH:MM) 34:03)							
D ved destgP: D Non-approv :::,	d above were manufacture ata and are in a condition S.ign data specified in Blo	ed in conformity to: for safe operation.	Certifies that-unless described in Block 12	was accomp	cified in Block 12, the lished in accordance	work identified with Title 14,0		
13b. Authorized Signature:	130	. Approval/Authorization No.:	14b. Authorized Signa	ature:	The Car	14c. A	oproval/Certificate No.:	
13d. Name (Typed of Printed);	13e	. Date(dd/mmm/yyyy):	14d. Name (Typed o	r Printed):		14e. D	ate (dd/mmm/yyyy):	
			Chou Nyee Hoon	1		109/00	CT/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 SP.ecified 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-sJ?, ecified in Block1. Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, airc ft 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

1.Country 2. SINGAPORE	<b>NUTHORIZED RE</b>	THORITY OF SINGAPO LEASE CERTIF S(AW)gs	RE ICATE	3. Form Tracking Numb m • -2011000314ass1voa 330054959				
4. Organization Name and Address: Honeywell Aerosp (Gui Circle) 161 Gui Circle Singapore 629619	ace Singapore Pte Ltd	Repair Station AWI/38			5: Work Order/Contra 10453748 330006248 Page 1 of 1	acVInvoice Number:		
6.ltem: 7. Description:	8. Part Number:	9. <b>E</b>	Eligibility:*	10. Quantity:	11. Serial / Batch Number:	12. Status / Work:		
001 IMPELLER, LOAD COMPRESSOR	3822612-1	N	IA		13-182449-08188	OVERHAULED		
13. Remarks THE SERVICE .SPECIFIED HAS BEEN ACCOMPLISHED	IN ACCORDANCE WITH:	•		•				
IRM 49-24-79 Rev 9, APR/29/2016								
HH.DD (HH:MM) TSN 7184.05 (7184:03) CSN 4819.00								
TSO 0.00 (0:00) CSO 0.00								
SEE ATI'ACHED DOCUMENTS AS APPLICABLE FOR WORK P	ER RMED							
1. WPARTS Certifies · ems identified bove were manufactured in a  D Appro esign data and are in condition for No-	or safe o <b>peration</b>	Certifies that unless ot described in Block13 w	nerwise spe as accomplis	cified in Block 13, t shed in accordance	regulation.specified in Block he work identified in Block 12 and with SAR 145 and the Air Naviga lered ready for release to service	d ation		
15. Authorized Signature: 16. CA	S Approval No.:	20. Authorized Signa		Ohly hay	21. CAAS AI  AWI/38			
17. Name (Typed or Printed): 18. Date	e (dd mmm yyyy):	22. Name (Typed or	Printed):		23. Date (do	mmm yyyy):		

User / installer Responsibilities

<sup>1.</sup> It is important to understand that the Eixiste.nce of the Certificate alone does not automatically constitute authority to install the part/component/assembly.

<sup>2.</sup> Where the user/installer works In'ij rdance with the national regulations of an Airworthiness Authority different from the Civil Aviation Authority of Singapore(CAAS), if is essential that the user/Installer ensures that his/her Airworthiness Authority accepts parts/component (IiSSemblies from the CAAS.

3. Statements 14 and 19 do not constitute Installation certification. In all cases, the aircraft maintenance record must contain an Installation certification issued In accordance with the national regulations by the user/Installer before the aircraft may be flown.

Honeywell Aerospace Singapore Pie Ltd co Honeywell Aerospace Singapore Pie Ltd 161 Gui Circle

### -\_Honeywell

Commercial

Customer: 303815 SINGAPORE AIRLINES LTD

FAA-EASA-CAAS-CAAC-JCAB

SINGAPORE 629619 Date:09 OCT 2017

**Initial Findings Report** 

Repair Station #

Repair Order: 2017-005011544482-001

330054959

.Customer P/0: 10453748

**Orig Cust:** 

Part Number: 3822612-1

Part Desc: IMPELLER, LOAD

COMPRESSOR

Mods:

Series/Issue/Amdts:

Quantity: 1

Aircraft tail#: Model#: APU 331-500/600 Aircraft 5/N#:

Engine 5/N:

Date on:

**Received Date:** Date off: Alternate S/N:

Serial No: 13-182449-08188

TIMES/CYCLES (HH:MM) HH.DD

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(7184:03)

11 '-'iM:t•ili,i:wilm 4819.00 ltii.ii;::s.ini ii.t.Jauii&i&i!

k §is iig i"nii1d1a:@1t:

CUSTOMER REASON FOR RETURN

Overhaul

GENERAL CONDITION AS RECEIVED (HIDDEN DAMAGE)

Dented/Nicked

1n«:1.arˈiiima1iaa ii:t.:foEi.iifa¥%ifi:i1i:i

ovERHAUL

mt:rr=:J•:•:•:--=•r:z::Z:+:

DETAIL DISASSEMBLY / EVALUATION FINDINGS

SERVICE BULLETINS/ AUTHORIZING DOCUMENTS

**Authorizing Technical Document** 

**Complied With:** 

Doc#: IRM 49-24-79 Rev: 9 Date: 04/29/2016

WORK PERFORMED/COMMENTS TO CUSTOMER

UNIT OVERHAULED JAWIRM.

HAND BLENDED BLADE LEADING EDGES, FPI, BALANCED & SHOT-PEENED.

Action Taken Code

Overhaul

:78mifl.llflF.dtt1BYJIW.fflm ill!i!tiJ6iftfjjJJtM5lliR tmbtttl

Page: 1 of 2

Commercial Repair Station #

Honeywell Aerospace Singapore Pte Ltd · co Honeywell Aerospace Singapore Pte Ltd 161 Gui Circle

Serial No: 13-182449-08188

SINGAPORE 629619

FAA-EASA-CAAS-CAAC-JCAB

Date:09 OCT 2017

**Confiauration And Findings Evaluation** 

Customer: 303815 SINGAPORE AIRLINES LTD

Repair Order: 2017-005011544482-001 330054959

.Customer P/0: 10453748

**Orig Cust:** 

Part Number: 3822612-1

Part Desc: IMPELLER, LOAD

COMPRESSOR

Mods:

Series/Issue/Amdts:

Quantity 1 Ship Date: Received pate:

**FINAL CONFIGURATION** 

Part No: 3822612-1 11111 m III I **S/N:** 13-182449-08188

Series/Issues/A.mdts:

Mods:

MECHANIC/ANALYST Beng Chong Koh

Page: 2 of 2

**DATE: 03 OCT 2017** 

9. Qty	10. Serial No. 13-182449-08502	5. Work Order/Contract/Invoice  10453748 330006248 Page 1 of 1  11. Status/Work  OVERHAULED
9. Qty		10453748 330006248 Page 1 of 1 <b>11. Status/Work</b>
-		10453748 330006248 Page 1 of 1 <b>11. Status/Work</b>
-		11. Status/Work
-	13-182449-08502	OVERHAULED
ertifies that unless oth ad described in block 1 spect to that work the	herwise specified in block 12, the 12, was accomplished in account items are considered ready for	ordance with Part-145 and in or release to service.
o. Authorised Sign	DANGE COM	14c. (?ertificate/Approval Ref. No EASA.145.0076
I. Name		14e. Date (dd mmm yyyy)
и муее ноопд		09 OCT 2017
	ertifies that unless of and described in block espect to that work the b. Authorised Sign d. Name	ertifies that unless otherwise specified in block 12, the described in block 12, was accomplished in accompleshed in accompleshed to that work the items are considered ready for the considered signature.  Authorised Signature  d. Name

Statements in blocks 13a and 14a o not constitute Installation certificallon. 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.

1. Approving Civil Aviation  FAA/Ümited Stat,s	_	EASE CERTIFI	_	i	3. Form Tracking 201700037460 330055685			
4. Organization Name and dress: '.':	L Honeywell Aerospace Sing (Gui Circle) 161 Gui Circle Singapore 629619	gapore Pte Ltd	Repair Station FT4Y192M			5. Work Order/C 10453748 330006248 Page 1 of 1	ontract/Invoice Number:	† <u></u>
6.ltem: 7. Descri <b>ption</b> : 001 IMPELLER, COM RESS	OR FIRST STAGE	8. Part Number: 3822611-1	9. 1	Quanti	10. Serial Number 13-182449-085		11. Status / Work: OVERHAULED	-
12. Remarks: THE SERVICE SPECIFIED HAS IRM 49-24-79 Rev 9, APR/2  HH.DD (HH:M TSN 7184.05 (7184:0 CSN 4819.00 TSO 0.00 (0:0 CSO 0.00	9/2016 M) 3)	CCORDANCE WITH:						
13a. Cext, es the items ideritifled above were manufactured in conformity to:  D ed desifi data and are in a condition for safe operation.  D Non-approv ·· Jgn data specified in Block 12.  14a. [g) 14 CFR 43.9 Return to Service O Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal								
13b. Authorized Signature:		val/Authorization No.:	Regulations, part 43 at 14b. Authorized Signati		hat work, the item		oval/Certificate No.:	1
13d. Name (Typed of Printed):	13e. Date(o	ld/mmm/yyyy);	14d. Name (Typed or Chou Nyee Hoong	,		14e. Date	(dd/mmm/yyyy): 2017	1

User / Installer Responsibilities

It is important to understand toa.fthe '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:r.egi.Jlattons of an airworthiness authority different than the airworthiness authority of the countDt specified in Block1, it is essential that the user/installer ensures that his/her airworthiness authority accep(\$,;irc(aft engine(s)/propeller(s)/article(s)) from the airworthiness authority: of the country SJ?.ecif1ed in Block1. Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, airc.aff 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

1. Cour	otry SINGAPOF	2.		CIVIL AVIATION AUTHORIZED RE		_	3. Form Tracking Number:. 20170003746071Y06 330055685				
4. Orga	nization Name a	(Gui 161	neywell Aerospace S Circle) Gui Circle apore 629619	ingapore Pte Ltd	Repair Station AW1/38			1 3	Work Order/Contract 0453748 30006248 age 1 of 1	cVInvoice Number:	
6. Item:	7. Description:			8. Part Number:		9. Eligibility:*	10. Quantity:	11. Seria	I / Batch Number:	12. Status / Work:	
001	IMPELLER,	CO fRESSOR	FIRST STAGE	3822611-1		N/A	1	13-182	449-08502	OVERHAULED	
		(HH:MM) (7184:03) (0:00)	CCOMPLISHED IN AC								
SEE AT	l'ACHED DOCUME	NTS AS APPLICAB	LE FOR WORK PERFORMI	ΞD							
( 15. Aut		gn·d.lita and	manufactured in conformane in condition for safe	operation	Certifies that unle described in Block	O Release to Ser ess otherwise spec 13 was accomplis ect to that work th	cified in Block 13, to hed in accordance	he work ide with SAR 1	a specified in Block 1 ntified in Block 12 and 45 and the Air Navigat for release to service. 21. CAAS Ap	l tion	
							Old he	S COC LS	AWI/38		
17. Nar	ne (Typed or Prin	nted):	18. Date (dd m	mm vvvv):	22. Name (Tyn	ed or Printed).			23 Date (dd	mmm vvvv).	
7. Nar	ne (Typed or Prin	nted):	18. Date (dd m	ımm yyyy):	22. Name (Typ	,			23. Date (dd 09 OCT 201		

<sup>1.</sup> It is important to understand that the "xtst"nce of the Certificate alone does not aut001at1cally constitute authority to Install the part/component/assembly.

2. VI/here the user/installer works in QPCArd nce with the national regulations of an Ai!V"orthlness Authority different from the Civil Aviation Authority of Singapore(CAAS), It is essential that the usernnstaller ensures that his/her Airworthiness Authority accepts parts/components/ ssemblies from the CAAS.

3. Statements 14 and 19 do not CO:nstitute installation certification. In all cases, the alraaft maintenance record must contain an installation certification issued in accordance with the national regulations by the usernnstaller before the aircraft may be flown.

Honeywell Aerospace Singapore Pte Ltd co Honeywell Aerospace Singapore Pte Ltd 161 Gui Circle

### Honeywell

#### Commercial Repair Station

SINGAPORE 629619

# FAA-EASA-CAAS-CAAC-JCAB

Date:08 OCT 2017

Initial Findings Report

-Repair Order: 2017-005011544721-001

330055685

Customer: 303815 SINGAPORE AIRLINES LTD

Customer P/O: 10453748

Orig Gust:

Part Number: 3822611-1

Part Desc: IMPELLER, COMPRESSOR

Serial No: 13-182449-08502

FIRST STAGE

Mods:

Series/Issue/Amdts:

Quantity: 1
Aircraft tail#:

Aircraft S/N#:

Date on:

Received Date: Date off:

Model#: APU 331-500/600

Engine S/N:

Alternate S/N:

TIMES/CYCLES
Time Since New:

HH.DD

(HH:MM)

Cycles Since New:

4819.00

Time Since Overhaul:

7184.05

(7184:03)

Cycles Since Overhaul:

4010.00

Time Since Repair:

Cycles Since Repair:

Cycles Since Repair.

### CUSTOMER REASON FOR RETURN

Overhaul

#### GENERAL CONDITION AS RECEIVED (HIDDEN DAMAGE)

&.66.dwaniRWiw,fliWte:xt=i=k+trr@nr,vw

Nicked BLADE UEDGES NICKED. BALANCE.

it1.ai7sffli.laaai@t:lrii:i,;,i, b iiii overhaul

BBDne:J22J:s2mum

DH AIL DISASSEMBLY / EVALUATION FINDINGS

SERVICE BULLETINS/AUTHORIZING DOCUMENTS

Authorizing Technical Document

**Complied With:** 

Doc#: IRM 49-24-79 Rev: 9 Date: 04/29/2016

WORK PERFORMED/COMMENTS TO CUSTOMER

lim:6W1ara•au::\$'1iWjiN1m,11cllr"Rn:11

UNIT OVERHAULED IAW IRM.

HAND BLENDED BLADE LEADING EDGES, FPI, BALANCED & SHOT-PEENED.

AiiaT4£4fijgag;::;!A@jifh:i;fgh&/ift'!=\';5

s.iiG.iiivhilffi!::ttitim1m •

Overhaul

**Evaluation Type** 

Page: 1 of 2

	roving Civil Aviation nority/Country:	<sup>2.</sup> AUTH	ORIZED RELEAS	SE CERTII	FICATE		3. Form Tracking 2017000373311 9001544725-80	10Y14
FAA	/United States	FAA Form	n 8130-3, AIRWORTHINESS APPROVAL TAG  5. Work Order/Contract/Invoice					
4. Org	anization Name and Address	: Honeywell International Inc. 111 S. 34th Street Phoenix, Arizona 85072	Production Approv PT1222NM	Units Ham	eywell Internation 2-4, Chevron, E el Hempstead, F ED KINGDOM	aton Road	4705219014-00 Page 1 of ;1	
3. Item	7. Description:		8. Part Number:		9. Quantity:	10. Serial Numb	per:	11. Status I
001	IMPELLER, COMPRESSO	DR, SECOND STAGE	3822341-5		1	161824492370	I 00	Work: NEW
13a. C	ertifies the items identified abo	ve were manufactured in conform	mity to:	4a.l 14 CFR 4	3.9 Return to Serv	ice ∏ Other re	egulation specified	in Block 12
181 Approved design data and are in a condition for safe operation.  Non-approved design data specified in Block 12.				Certifies that unless otherwise specified In Block 12, the work identified in Block 11 and described in Block 12 complished in accordance with Title 14 e of Federal Regulations, part 43 and in resi5 eetto that work the items ar roved for return to service.				
3b. Au	thorized Signature:	13c. ApprovaV	Authorization No.:	b. Authorized Sig	nature:		14c. Appre	oval/Certlficate No.:
		ODA-60221	6-NM					
	ame (Typed or Printed): y Kanyanga	13e. Date (dd/ <b>05/OCT/201</b> 7	*****	ld. Name (Typed o	or Printed):		14e. Date	(dd/mmm/yyyy):

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 SP, ecified in Block1, it is essential that the user/installer ensures that hls/her1 airworthiness authority accepts aircraft engine/s)/propeller/s)/articfefs) from the airworthiness authority of the country SP, ecifred in Block1. Statements in Blocks 13a and 14a do not constitute installation certification. In an cases aircraft maintenance records must contain an installation certification issuectin accordance with the national regulations by the usernnstaller before the aircraft mentional regulations.

### LIFE LIMITED PART LOG

ASSEMBLY	NAME:		PART NUMBE	ER:			
		NAME: IMPELLER, COMPRESSOR	PART NUMBE	ER: 3822341-5		SERIAL	NUMBER: 1618244923700
MANUFACTURI				0055741105 0744	45 5 115 1		
PRODUCTION DATE	DATE	PC 413	SIGNATURE OR A		-		1
INSTALLED	REMOVED	ENGINE SERIAL NUMBER		PARTTHIS LLATION		L TIME PART	SIGNATURE/FAA NUMI:IER
			CYCLES		CYCLES	HOURS	SIGNATURE/FAA NOMI.IER
14 OCT 2017		<b>?</b> .;;;;) 7' 3,	0	0.0	0	0.0	dt\C.t.\'  lfi cf;\\$J  °ii'\
		: 1,,1,1 0,					Z
		DEEINITION OF A CYCLE/ ENTDIES SHALL COM	DIV TO EAR 42				

1. Approvin	g Competent Authority/Co	•	ORISED RELEA	3. Form Tracking Number 201700037518 2Yb2 330067204	
4. Organisa	ation Name and Address:	Honeywell Aerospace Singapore Pte Ltd (Gui Circle) 161 Gui Circle Singapore 629619			5. Work Order/Contract/Invoice 10453748 330006248 Page 1 of 1
6. Item	7. Description	8. Part No	9. Qty	10. Serial No.	11. Status/Work
001	ROTOR ASSY 1STG	3842151-3	1	12-168522-01537	OVERHAULED
TSO CSO	0.00 0.00				
no no	sign data and are	nove were manufactured in conformity to: in condition for safe operation ecified in block 12  Rate. Approval/Authorisation Number	Certifies that unle	A.50 Release to Service D Other ess otherwise specified in block 12, the block 12, was accomplished in accordork the items are considered ready for	lance with Part-145 and in
			14b. Authorised \$		4c. Certificate/Approval Ref. No
d. Name	R RESPONSIBILITIES	13e. Date (dd mmm yyyy)	14 14d. Name cl	1.	4e. Date (dd mmm yyyy) 0 OCT 2017
USERnNSTALL This certificate Where the use ensures that I	ER RESPONSIBILITIES does not automatically constituer/installer performs work In accomis/her airworthiness authority a	te authority to install the item(s).  ordance with regulation of an airworthiness authority different ccepts Items from the airworthiness authority specified In b onstitute Installation certification. In all cases aircraft maintena	block 1.	/ specified In block 1, It Is essential that the	e userlinstaller

• M.F/145 Issue 2

/1!1:.J "

1.Approving Civil Aviation  Authority/Country:  States  FAA/United States			AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG					3. Form Tracking Number: 20170003751891Y03. 330067204		
4. Orga		Honeywell Aerospace Singapo (Gui Circle) 161 Gui Circle Singapore 629619	e Pte Ltd Repair Station FT4Y192M				5. Work Order/ContracUInvoice Number: 10453748 330006248 Page 1 of 1			
6.ltem:	7. Description:	7. Description: 8. Part			9. Quantity:	10. Serial Numbe	er:	11. Status / Work:		
001	·		3842151-3		1	12-168522-0153	37	OVERHAULED		
THE :	Remarks: SERVICE SPECIFIED HAS N 49-24-79 Rev 9, APR/29 9-26-57 Rev 20, SEP/27		RDANCE WITH:							
TSN	HH.DD (HH:MI 7184.05 (7184:03	•								
CSN	4819.00	~ <i>,</i>								
TSO	0.00 (0:0	0)								
cso	0.00									
SEE A	ATTACHED DOCUMENTS AS APPI	LICABLE FOR WORK PER ORMED								
	D ed design data a	ove were manufactured in conformal are in a condition for safe operata specified in Block 12.	eration. Cert	14a. 14 CFR 43.9 Return to Service $D$ Other regulation specified in Block 12   CertifiJs that unless otherwise specified in Block 12, the work identified in Block 11 and idescribed in Block 12 was accomplished in accordance with Title 14, Code of Federal Regul tions, part 43 and in respect to that work, the items are approved for return to service.						
13b. Authorized Signature: 13c. Approval/Au			uthorization No.: 14b.	.A <sub>1</sub> uthorized Si	gnature:		114c. App	roval/Certificate No.:		
				Í		" oe	- FT4Y19	2 <b>M</b>		
13d. N	ame (Typed of Printed):	13e. Date(dd/mr	mm/yyyy): 14d.	. Name (Typed	d or Printed):		14e. Date	14e. Date (dd/mmm/yyyy):		
			Cho	Chou Nyee Hoong				10/OCT/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 authori 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 tile country specified in Block1. Statements in Blocks 13a and 14a do not constitute installation certifica. In all cases aircraft maintenance records must c:mtain an installation certification issued in accordance with the national re-ulations by the user/installer before the aircraft may be flown.

FAA FORM 8130- 3 (02-14)

				AVIATION AUTHORITY OF SINGAPORE RIZED RELEASEJ;ERTIFICATE					3. Form Tracking Numbet: •			
			CAAS	S(AW)95						<u> </u>		
4. Orga	anization Name and Address:	Honeywell Aerospace Singap (Gui Circle) 161 Gui Circle Singapore 629619		Repair Station AWI/38			5. Work 10453 33000 Page	748 06248	t/Invoice Number:	mi:		
6. Item:	7. Description:		8. Part umber:		9. Eligibility:*	10. Quantity:	11. Serial/Ba	tch Number:	12. Status / Work:	1		
001	ROTOR ASSY 1STG		3842151-3		NIA	1	12-168522-	01537	OVERHAULED			
						<u> </u>				_		
	emarks:	EEN ACCOMD TOHED IN ACCOD	DANCE MIRH.									
l	ervice specified has b. 9-24-79 Rev 9, APR/29/2	EEN ACCOMP ISHED IN ACCOR	DANCE WITH:									
1	-26-57 Rev 20, SEP/27/2											
	., . ,											
ĺ	HH.DD (HH:MM	1)										
TSN	7184. <b>OS</b> (7184:03	3)										
CSN	4819.00											
TSO	0.00 (0:00	))										
CSO	0.00											
SEE AT	TTACHED DOCUMENTS AS APPL	ICABLE FOR WORK PERFORMED.										
., Certifie	WPARTS	vere manufactured in conformity to		119. USED PAR		vice D Other	regulation spec	aified in Pleak 1	2			
	D Appro design data	and are in condition for safe o	on	Certifie that unle described in Bloc Order ar,d in resp	ss otherwise spec k13 was accomplis	ified in Block 13, the	ne work identified with SAR 145 ar	l in Block 12 and nd the Air Navigati	ion			
15. Aut	thorized Sinature:	16. CAAS Approval	No.:	20. Authorized			,	121. CAAS Ap				
			_				· ocB	AWI/38				
 	ie (1 ypeu or Printed):	18. Date (dd mmm y	ууу):	222. Name (Typ	ed or Printed):			23. Date (dd	mmm yyyy):	†		
				Chou jNyee 'F	Hoong			10 OCT 201	.7			
		<del></del>	'User/'ms	täller Responsibiliti	es			1		†		
<ol> <li>VI/her</li> <li>Authori</li> <li>State</li> </ol>	re the user/installer works in accorda	ence of the Certificate alone does not auto ance with the national regulations of an Air emblies from the CAAS. stallation certification. In all cases, the aird	matically constitute authority worthiness Authority differe	y to install the part/component/ ent from the Civil Aviation Auth	assembly. nority of Singapore(C	**						

Commercial

Honeywell Aerospace Singapore Pte Ltd co Honeywell Aerospace Singapore Pte Ltd

161 Gui Circle SINGAPORE 629619 Date:09 OCT 2017

Repair Station #

FAA-EASA-CAAS-CAAC-JCAB

**Initial FindinQs Report** 

epair Order: 2017-005011549144-001 Customer: 303815 SINGAPORE AIRLINES LTD

330067204

Customer P/O: 10453748

**Orig Gust:** 

Part Number: 3842151-3 Part Oesc: ROTOR ASSY 1STG

Serial No: 12-168522-01537

Mods:

Series/Issue/Amdts:

TIMES/CYCLES

Quantity: 1

Aircraft tail#: Model#: APU 331-500/600 Aircraft S/N#:

**Engine SIN:** 

Date on:

Date off:

**Received Date:** 

Alternate S/N:

HH.DD (HH:MM)

(7184:03)

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CUSTOMER REASON FOR RETURN

Overhaul

GENERAL CONDITION AS RECEIVED (HIDDEN DAMAGE)

Condition Received Text

Corrosion/Corroded

ii&.imifiidtti.ti'ii :iiai'ffirimFiii::1011

DETAIL DISASSEMBLY I EVALUATION ANDINGS

SERVICE BULLETINS/AUTHORIZING DOCUMENTS

**Authorizing Technical Document** 

**Complied With:** 

Doc#: IRM 49-24-79 Rev: 9 Date: 04/29/2016 Doc#: EM 49-26-57 Rev: 20 Date: 09/27/2016

WORK PERFORMED/COMMENTS TO CUSTOMER

lliRi ffie.It'.{eaifffi1tiiJiiumm1fiit¥t@h!iiffli#ihWF

UNIT OVERHAULED IAW IRM & EM.

ALL QTY 32 EACH BLADE NEW.

INSTALLED ROTOR BLADES ON DISK, INSTALLED PLATFORM SEALS ON ROTOR BLADES, PUT SEAL

RING ON SEAL PLATE, AND INSTALLED SEAL PLATE ON THE AFT SIDE OF DISK & BALANCED.

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Overhaul

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Page: 1 of 2

-\_ Honeywell

Commercial Repair Station #

Honeywell Aerospace Singapore Pte Ltd co Honeywell Aerospace Singapore Pte Ltd 161 Gui Circle SINGAPORE 629619

FAA-EASA-CAAS-CAAC-JCAB

Date:09 OCT 2017

**Configuration And Findings Evaluation** 

330067204

-Customer P/O: 10453748

Orig Cust:

Part Number: 3842151-3 Part Desc: ROTOR ASSY 1STG Serial No: 12-168522-01537

Mods:

Series/Issue/Amdts:

Quantity 1 Ship Date: Received Date:

**FINAL CONFIGURATION** 

ı İmininim 1111Hillisi millə Hİ, MİD DILIDI

Series/Issues/Amdts:

Mods:

-MECHANIC/ANALYST Chin Cheng See

Page: 2 of 2

**DATE: 03 OCT 2017** 

	g Competent Authority/Country	2.	3. Form Tracking Number 20170003753547yo2 330066785		
EASA			330000783		
4. Organisa	tion Name and Address: Honeywell A (Gui Circle) 161 Gui Circ Singapore 63	e	5. Work Order/Contract/Invoice 10453748 330006248 Page 1 of 1		
6. Item	7. Description	8. Part No	9. Qty	10. Serial No.	11. Status/Work
001	ROTOR ASSY TURB - 2STG	3842155-4"	il !	12-168522-01912	OVERHAULED
IRM 49-26 EM 49-26 TSN CSN TSO CSO	ICE SPECIFIED HAS BEEN ACCOMPLIS 4-79 Rev 9, APR/29/2016 -57 Rev 20, SEP/27/2016  HH.DD (HH:MM) 7184.05 (7184:03) 4819.00 0.00 (0:00) 0.00				
ар	s that the items identified above were many opro design data and are in condition for on-approved data specified in block	r safe operation	CertJies that unles and described in bl	s otherwise specified in-block 1	other regulation specified in block 12 12, the work identified in block 11 ccordance with Part-145 and in y for release to service.
13b. Authori	ised Signature		I14b. A thorised Sign	•	14c. Certificate/Approval Ref. No  EASA.145. 0076
l13d.	Na I13e	.Date(ddmmmyyyy)	. <b>I_14d.N me</b> Ramadbss Ramesh	114e.Date(ddmmmyyyy)  10 OCT 2017	
	LER RESPONSIBILMES e does not automatically constitute authority to Ins	stall the Item(s).			
	er/Installer performs work In accordance with regularisher airworthiness authority accepts Items from			pecified In block 1, It is essential that	at the user/Installer
	blocks 13a end 14a do not constitute Installation the user/Installer before the aircraft may be flow		enance records must contain an installa	ation certification Issued In accordance	ce with the national

1. Approving Civil Aviation  FAA/United States		2. AUTI FAA For	3. Form Tracking Number: 20170003753549YQ3, 330066785					
B. Organization Name and Address: Honeywell Aerospace Singapore (Gui Circle)  • 161 Gui Circle Singapore 629619				e Pte Ltd Repair Station FT4Y192M				
. Item: 7	. Description:		8. Part Number:	9. Quantity:	10. Serial Numbe	r: 11. Status / Work:		
			3842155-4	1	12-168522-019			
THE SE	9-24-79 Rev 9, APR/29		CORDANCE WITH:					
EM_ 49	<b>9-26-57</b> Rev 20, SEP/27	/2016						
TSN CSN	HH.DD (HH:MM 7184.05 (718 4819.00	1) 84:03)						
TSO CSO	0.00 (0:00)							
SEE AT	TACHED DOCUMENTS AS APF	LICABLE FOR WORK PER ORME	D					
$\begin{array}{cccccccccccccccccccccccccccccccccccc$				14a. {gl 14 CFR 43.9 Return to Service D Other regulation specified in Block 12 Certifi s that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regul tions, part 43 and in respect to that work, the items are approved for return to service.				
3b. Autl	norized Signature:	13c. Approva		4b. Authorized Signature:	<u> </u>	i 14c. Approval/Certificate No.:		
 3d. Nan	ne (Typed of Printed):	13a Data/da	1/mmm/yyyy): 14					
	(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	13e. Date(ut		4d. N_ame (Typed or Printed):		14e. Date (dd/mmm/yyyy):		
			II <sub>R</sub> :	am doss Ramesh		11n/oct/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 count!Y 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

1. Cou	Intry SINGAPORE	_	IL AVIATION AUTHORITY OF SINGAPORE ORIZED RELEASE CERTIFICATE CAAS(AW)95					3. Form Tracking Numb.er.:• 20170003753551Y06 330066785		
4. Organization Name and Address: Honeywell Aerospace Singapo (Gui Circle) 161 Gui Circle Singapore 629619			ore Pte Ltd Repair St tion AWI/38					5. Work Order/ContracVInvoice Nun 10453748 330006248 Page 1 of 1		- 1
6.ltem:	7. Description:		8. Part Number: 9. Elig			ibility:* 10. Quantity:		erial/Batch Number:	12. Status I Work:	
001	ROTOR ASSY TURB	- 2STG	3842155-4		N/A	1	12-1	68522-01912	OVERHAULED	
13. <b>R</b>	emarks:		•			•	•		•	1
		BEEN ACCOMPLISHED IN ACCOR	DANCE WITH:							ĺ
IRM 4	9-24-79 Rev 9, APR/2	9/2016								
EM 49	-26-57 Rev 20, SEP/2	7/2016								
	HH.DD (HH:M									
TSN	•	84:03)								
CSN	4819.00									
TSO CSO	0.00 (0:00) 0.00									
SEE AT	TTACHED DOCUMENTS AS AP	PLICABLE FOR WORK PERFORMED								
1.	W PARTS			19. USED PAR	TS					
Certifie	es · ms identified above	e were manufactured in conformity to						ation specified in Block 1	3.	
	D Appro design da D Non-approved.	ta and are in condition for safe opera data specified in Block 13	tion	described m Bloo	k13 was accomplis	shed m accordance	with SA	identified In Block_12 a d . AR 145 and the Air NavIgatlo ady for release to service.	on	
15. Authorized Signature: Approval N			No.: 20. Authorized Signature:  //1() M,n q)-i. · VIE-  . 6 f.> V 0 OC.  s,1t				121. CAAS App <b>AWI/38</b>	proval No.:		
18. Date (dd mmm yyyyr				122. Nale (Typed or Printed):				23. Date (dd n	nmm yyyy):	
		1	Ramadoss Ramesh 10				10 OCT <b>201</b> ′	10 OCT <b>2017</b>		
<ol> <li>Nhe</li> <li>Authorit</li> <li>State</li> </ol>	re the user/Installer works in accor ty accepts parts/components/asse	istence of the Certificate alone does not autordance with the national regulations of an Airomblies from the CAAS.  installation certification. In all cases, the airce	matically constitute authority worthiness Authority differen	nt from the Civil Aviation Auth	/assembly. nority of Singapore(C	,				

#### Commercial

### - Honeywell

Repair Station # FAA-EASA-CAAS-CAAC-JCAB

SINGAPORE 629619

Date:10 OCT 2017

**Initial Findinas Recort** 

epair Order: 2017-005011549141-001

Customer: 303815 SINGAPORE AIRLINES LTD

330066785

Customer P/O: 10453748

Orig Cust:

Part Number: 3842155-4

Part Desc: ROTOR ASSY TURB - 2STG

Serial No: 12-168522-01912

Mods:

Series/Issue/Amdts:

Quantity: 1
Aircraft tail#:

Aircraft S/N#:

Date on:

Received Date: Date off:

Model#: APU 331-500/600

Engine S/N:

Alternate S/N:

TIMES/CYCLES.

Time Since New:

Time Since Overhaul:

Time Since Renair:

**HH.DD** . 7184.05

(7184:03)

(HH:MM)

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CUSTOMER REASON FOR RETURN

Overhaul

GENERAL CONDITION AS RECEIVED (HIDDEN DAMAGE)

#### Condition Received Text

Eroded

Rubbed/Abraded

a,Gfi-t41a-r•1tTEw111::m0t10'.::1overhaul

Fmiii'iiiaN•mniii

DETAIL DISASSEMBLY / EVALUATION FINDINGS

SERVICE BULLETINS/ AUTHORIZING DOCUMENTS

#### **Authorizing Technical Document**

**Complied With:** 

Doc#: IRM 49-24-79 Rev: 9 Date: 29.04.2016 Doc#: EM 49-26-57 Rev: 20 Date: 27.09.2016

WORK PERFORMED/ COMMENTS TO CUSTOMER

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UNIT OVERHAULED IAW IRM.

HAND F NISH, ASSEMBLE, BALANCE IN SPECTION. FPI PERFORMED ON DISK AT INCOMING NO"T:

Overhaul

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Honeywell Aerospace Singapore Pte Ltd co Honeywell Aerospace S ngapore Pte Ltd 161 Gui Circle

**DATE: 03 OCT 2017** 

### Commercial

. Honeywell

Repair Station# FAA-EASA-CAAS-CAAC-JCAB

Customer: 303815 SINGAPORE AIRLINES LTD

SINGAPORE 629619 Date:10 OCT 2017

**Configuration And Findings Evaluation** 

-Repair Order: 2017-005011549141-001

330066785

Customer P/0: 10453748

**Orig Cust:** 

Part Number: 3842155-4 Part Desc: ROTOR ASSY TURB - 2STG Serial No: 12-168522-01912

Mods:

Series/Issue/Amdts:

Quantity 1 Ship Date: Received Date:

**FINAL CONFIGURATION** 

Part No: 3842155-4

**S/N:** 12-168522-01912

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Series/Issues/Amdts:

Mods:

ECHANIC/ANAL YST Chin Cheng See

Page: 2 of 2

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1. Approving	g Competent Authority/Country	2.	DIAED DELEAS	- 0-0-1-04	3. Form' Tracking Number	
		AUTHO	RISED :RELEAS	E CERTIFICATE	20110003746522y02	<u>===</u> .
EASA			į		330066784	
	et e		EASA FORM 1			ii ii ii
4. Organisa	tion Name anff Address: Honeyw	vell Aerospace Singapore Pte Ltd			5. Work Order/Contract/Invoice	
	· (Gui Ciro				10453748	==
	161 Gui Singano	circie re 629619			220000040	
	Cingapo	10 023013			330006248 Page 1 of 1	
C Harra	7. December to the	O. Dest No.	10.06	10 Carial No		4
6. Item	7. Descripth:»n	8. Part No	9. Qty	10. Serial No.	11. Status/Work	4
001	TURBINE ROTOR ASSY 3RD STAGE	3842160-6	1.	12-156101-09303	OVERHAULED	
12. Remarks		•	•	•	•	
	CCE SPECIFI D.HAS BEEN ACCOM	PLISHED IN ACCORDANCE WITH:				
IRM 49-2	4-79 Rev 9,:-ffR/29/2016					
	HH.DD JHH:MM)					
TSN	7184. OS $rt4_{=03}$					
CSN	4819.00					
TSO	0.00 (0:00)					
CSO	0.00					
_			<b>_</b> 11			
13a. Certifi	s that the items intified above were	manufactured in conformity to:	14a i;il Part-145.A.50	0 Release to Service D Ot	her regulation specified in block 12	
☐ ap		ition for safe operation	Certifies that unless	otherwise specified in block 12	the work identified in block 11	
☐ I '	· data specified in b			ck 12, was accomplished in acc		
			respect to that work	the items are considered ready	for release to service.	
13b. Authoris	ed Signature	13c. Approval/Authorisation Number	14b. A'uthorised Signa	ature	14c. Certificate/Approval Ref. No	Ī
				The last of the second		
			' /	15	EASA.145.0076	
13d. Name	100	13e. Date (dd mmm yyyy)	14d. Name		14a Data (dd mmm (ass))	4
	74	7,7,7,7	140. Name		14e. Date (dd mmm yyyy)	
			Chou kyee Hoon		09 OCT 2017	
	ER RESPONSIBILITIJIS."1' n. does not automat19 ufOI) tute authority	to Install the Item(s).				
		n regulation of an airworthiness authority different the from the airworthiness authority specified in bloom		ecified In block 1, It Is essential that	tha user/Installer	
	blocks 13a and 14a do not constitute Instal the usernnstaller before the aircraft may b	lation certification. In all cases aircraft maintenance e flown.	records must c'ontain an Installati	ion certification Issued In accordance	e with the national	

1. Approving Civil Aviation Authority/Country:  FAA/United States		ELEASEJ CERTIFICATE- WORTHINI;;SS APPROVAL.TA	[201700037	cking Number: 746521Y03 · ;
(G <sup>1</sup>	oneywell Aerospace Singapore Pte Ltd ui Circle) 1 Gui Circle gapore 629619	ReP,air Station FT4Y192M I	5. Work Ord 10453748 330006248 Page 1 of	·
6.Item: 7. Description:	8. Part Number:	9. Quant'	10. Serial Number:	11. Status / Work:
001 ITURBINE ROTOR°ASSY 3R	D STAGE 3842160-6	1	12-156101-09303	OVERHAULED
12. Remarks:	-	-		
THE SERVICE SPECIFIED HAS BEI IRM 49-24-79 Rev 9, APR/29/2	On ACCOMPLISHED IN ACCORDANCE WITH:			
HH.DD (HH:MM) TSN 7184.05 (7184:03) CSN 4819.00				
TSO 0.00 (0:00) CSO 0.00				
see attached documents ${ m t8}$ applic	ABLE FOR WORK PER ORMED	Ţ		
	were manufactured in conformity to: lare in a condition for safe operation. specified in Block 12.	14a. 14 CFR 43.9 Return to S Certifi s that unless otherwise speci described in Block 12 was accomp Regulations, part 43 and in respect	fied in Block 12, the work identifie ished in accordance with Title 14	, Code of Federal
13b. Authorized Signature:	13c. Approval/Authorization No.:	14b. A thorized Signature:	- <h"\ 14c.<="" th=""><th>Approval/Certificate No.: Y192M</th></h"\>	Approval/Certificate No.: Y192M
13d. Name (Typed or Printed)	13e. Date(dd/mmm/yyyy);	14d. Name (Typed or Printed):	14e.	. Date (dd/mmm/yyyy):
		Chou!Nyee Hoong	09/0	OCT/2017
MI the incompany to the constant of the consta	User/ I	nstaller Resp nsibilities	ening by up a llawby which a NAB the	

It is important to understand tMl 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 t@ gulatrons 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

001 TURBINE ROTOR A.SSV 3RD STAGE 3842160-6 NIA 12-156101-09303 OV  13. Remarks: THE SERVICE SPECIFIED S BEEN ACCOMPLISHED IN ACCORDANCE WITH: IRM 49-24-79 Rev 9, APR/29/2016  HH.DD (flH:MM) TSN 7184.05 (7184:03) CSN 4819.00 TSO 000 (0:00)	ice Number:
13. Remarks: THE SERVICE SPECIFIED S BEEN ACCOMPLISHED IN ACCORDANCE WITH: IRM 49-24-79 Rev 9, APR/29/2016  HH.DD (f1H:MM) TSN 7184.05 (7184:03) CSN 4819.00 TSO 000 (0:00)	Status / Work
THE SERVICE SPECIFIED S BEEN ACCOMPLISHED IN ACCORDANCE WITH:  IRM 49-24-79 Rev 9, APR/29/2016  HH.DD (flH:MM)  TSN 7184.05 (7184:03)  CSN 4819.00  TSO 000 (0:00)	/ERHAULED
THE SERVICE SPECIFIED S BEEN ACCOMPLISHED IN ACCORDANCE WITH:  IRM 49-24-79 Rev 9, APR/29/2016  HH.DD (flH:MM)  TSN 7184.05 (7184:03)  CSN 4819.00  TSO 000 (0:00)	
IRM 49-24-79 Rev 9, APR/29/2016  HH.DD (flH:MM) ISN 7184.05 (7184:03) CSN 4819.00 ISO 000 (0:00)	
TSN 7184.05 (7184:03) CSN 4819.00 TSO 000 (0:00)	
TSN 7184.05 (7184:03) CSN 4819.00 TSO 000 (0:00)	
ZSN 4819.00 ZSO 000 (0:00)	
SO 000 (0:00)	
so 0.00	
EE ATTACHED DOCUMENTS AS APPLICABLE FOR WORK PERFORMED	
W PARTS 19. USED PARTS	
Certifies ms identifie qbtive were manufactured in conformity to:  (gJ SAR-145.50 Release to Service D Other regulation specified in Block 13. Certifies that unless otherwise specified in Block 13, the work identified in Block 12 and described in Block 13 was accomplished in accordance with SAR 145 and the Air Navigation Order and in respect to that work the items are considered ready for release to service.	
15. Authorized Signature: 16. CAAS Approval No.: 20. Authorized Signature: 21. CAAS Approval	No.:
7. Name (Typed or Printed): 23. Date (dd mmm yyyy): 22. Name (Typed or Printed): 23. Date (dd mmm	уууу):
Chou Nyee Hoang 09 OCT 2017	
User/ Installer Responsibilities  1. It is important to understand that th @ is noe of the Certificate alone does not automatically constitute authority to install the part/componenUassembly.	

Authority accepts parts/components/assemblies from the CAAS.

3. Statements 14 and 19 do not constitute installation certification. In all cases, the aircraft maintenance record must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

Honeywell Aerospace Singapore Pte Ltd co Honeywell Aerospace Singapore Pte Ltd 161 Gui Circle

### Commercial

Honeywell

Repair Station # FAA-EASA-CAAS-CAAC-JCAB

SINGAPORE 629619 Date:09 OCT 2017

Initial Findings Report

Customer: 303815 SINGAPORE AIRLINES LTD Repair Order: 2017-005011549140-001

330066784

Customer P/O: 10453748

**Orig Cust:** 

Part Desc: TURBINE ROTOR ASSY 3RD Part Number: 3842160-6

Serial No: 12-156101-09303

STAGE

Mods:

Series/Issue/Amdts:

Quantity: 1 Aircraft tail#:

Aircraft S/N#:

Date on:

Received Date: Date off:

Model#: APU 331-500/600

Engine S/N:

Alternate S/N:

TIMES/CYCLES

HH.DD

(HH:MM)

Cycles Since New:

4819.00

Time Since Overhaul:

Time Since New:

Time Since Repair:

7184.05

(7184:03)

Cycles Since Overhaul:

Cycles Since Repair:

# CUSTOMER REASON FOR RETURN

Overhaul

GENERAL CONDITION AS RECEIVED (HIDDEN DAMAGE)

DETAIL DISASSEMBLY / EVALUATION FINDINGS

SERVICE BULLETINS/ AUTHORIZING DOCUMENTS

**Authorizing Technical Document** 

**Complied With:** 

Doc#: IRM 49-24-79 Rev: 9 Date: 04/29/2016

WORK PERFORMED/COMMENTS TO CUSTOMER

W& i1ifil fffiltt:\$UiMilv1 tidJJt«ria@#i@

UNIT OVERHAULED IAW IRM.

BALANCED.

Gi!itTiiitTtiiSr.:1::rtl12ii:m½nc:

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Honeywell rosp ce \$i11gapore Pte Ltd co Honeywell Aerospace Singapore Pte Ltd 161 Gui Circle

### Commercial

Honeywell

Repair Station # FAA-EASA-CAAS-CAAC-JCAB

SINGAPORE 629619 Date:09 OCT 2017

**Configuration And Findings Evaluation** 

**Repair Order:** 2017-005011549140-001

Customer: 303815 SINGAPORE AIRLINES LTD

330066784

- Customer P/O: 10453748

**Orig Cust:** 

Part Number: 3842160-6 Part Desc: TURBINE ROTOR ASSY 3RD

**Serial No:** 12-156101-09303

**STAGE** 

Mods:.

Series/Issue/Amdts:

Quantity 1 Ship Date: Received Date:

**FINAL CONFIGURATION** 

Part No: 3842160-6

| 111111111m1m1111 m, 11111111i, 1m | **S/N:** 1.2-156101-09303

SeriesIIssues/Amdts:

Mods:

MECHANIC/ANALYST Chin Cheng See

Page: 2 of 2

**DATE: 03 OCT 2017** 

1		
I	,	

Approving Civil Aviation     Authority/Country:  FAA/United States	_	IORIZED REL		_	.G	3. Form Trackin Number: 2017000365556 9001503174-8	68Y14
4. Organization Name and Address	: Honeywell International Inc. 111 S. 34th Street Phoenix, Arizona 85072	Production PT1222NM		Honeywell Internati Units 2-4, Chevron, Hamel Hempstead, UNITED KINGDOM	Eaton Road HP2 7UB	5. Work Order/0 Number: 47051 Page 1 of 1	
6. ltem: 17.		8. Part Number.		9. Quantity:	10. Serial Numb	per:	11. Status I Work:
Description: 001		3876195-9		5	J17340009	_	NEW
EXCITER					See Continuat	ion	
THIS EXCITER IS A SUBCOMPOL Block 10 Serial Number(s): J1734005,2, J17340006, J173	(Continued):		14a. 14	CFR 43.9 Return to Se	nice []		
13a. Certifies the items Identified abo 181 Approved design da	ve were manufactured in conforn ta and are In a condition for safe		CertHies that	_	Other refied in Block 12, the	egulation specified work Identified i n	
☐ Non-approved design	n data specified in Block 12.		described in	Block 12 W compli	shed in accordance	with Tille 14	e of Federal
13b. Authorized Signature:	13c. ApprovaV	Authorization No.:	14b. Authoriz	ed Signature:	that work, the iter	14c. Appi	oval/Certificate No.:
_4_	ODA-602210	6-NM					
13d. Name (Typed or Printed):	13e. Date (dd/r	mmm/yyyy):	14d. Name (	Lyped or Printed):		14e. Date	o(dd/mmm/yyyy):
Stephen Foulger	20/SEP/2017		<u> </u>				

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 count SJ?eclfled in Block1, it is essential that the user/installer ensures that his/he airworthiness authority accepts aircraft engine(s)/propeller(s)/articlefs) 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 ap installation certification issuecfin accordance with the national regulations by the user/installer before the aircraft meintenance records must contain ap installation certification. In all cases aircraft maintenance records must contain ap installation certification issuecfin accordance with the national regulations by the user/installer before the aircraft meintenance records must contain ap installation certification.





Company: UNISON INDUSTRIES - JACKSONVILLE

Back to Acceptance test report

**Approved** 

Part Numb 3876195-9	er: 9048700-9(E)	Part Name: Exciter (Code 16	2436)	Serial Nur	 n <b>ber:</b> Tem	p. S/N 1
Procedure	Number: JS0452	Issue Number: M		Batch Nur	<b>nber:</b> 6928	994-1
Paragraph Number	Test Description	Requirement	Result	Test Date	Tester I.D.	Concession Number
1	Visual/Dimension al Inspection	Visual/Dimensional Inspection (Per Drawing) (Visual)	Pass	8/23/2017	Cesar Lee Saca	
2	Burn-In	Burn-In (Per Para 3.4) [ Visu al ]	Pass	8/23/2017	Cesar Lee Saca	
3	Envrionmental Se al Test	Envrionmental Seal Test (554 23) ( Visual )	Pass	8/23/2017	Cesar Lee Saca	
4	Reverse Polarity	Reverse Polarity (Per Para 3. 7.1) [Visual]	Pass	8/23/2017	Cesar Lee Saca	
5	Spark Rate	Spark Rate 14VDC (1.0-3.0 S/s) A [ 1 Sparks/Sec (+2, -0))	1.0	8/23/2017	Cesar Lee Saca	
6	Spark Rate	Spark Rate 14VDC (1.0-3.0 S/s) B [ 1 Sparks/Sec (+2,-0))	1.0	8/23/2017	Cesar Lee Saca	
7	Spark Rate	Spark Rate 32VDC (1.0-3.0 S/s) A [ 1 Sparks/Sec (+2,-0)]	1.0	8/23/2017	Cesar Lee Saca	
8	Spark Rate	Spark Rate 32VDC (1.0-3.0 S/s) B [ 1 Sparks/Sec (+2,-0)]	1.0	8/23/2017	Cesar Lee Saca	
9	Output Voltage	Output Voltage 14VDC (2500 V min) A [ 3000 Volts (+2000, -500)]	2680	8/23/2017	Cesar Lee Saca	
10	Output Voltage	Output Voltage 14VDC (2500 V min) B [ 3000 Volts (+2000, -500)]	2640	8/23/2017	Cesar Lee Saca	
11	Case Ground Hou sing	Case Ground Housing (iS m Ohm Max) [ 10 Ohms (Milli) (+15, -10)]	12.8	8/23/ 20i'/	Cesar Lee Saca	
12	Diagnostic Indicat ion	Diagnostic Indication Tests (P er Para 3.8) [ Visual ]	Pass	8/23/2017	cesar Lee Saca	

Final/ Shippable Serial Number: )17340052

Q Print Acceptance Test Data Sheet

Commercial

Anniston - Cliff Garrett Dr Honeywell International Inc 1 Cliff Garrett Drive Anniston AL 36201 Date:20 SEP 2017

# Honeywell

Repair Station# ZX4R716M

Confi uration And Findin s Evaluation

329829652 **Customer P/O:** 7848457

Orig Cust:

P.art Number: 3505814-3 Part Desc: STARTER AIR TURBINE Serial No: 1541

Mods:

.Series/Issue/Amdts: 1

Quantity: 1 Received Date: 12 SEP 2017

Aircraft tail#: 9V-SWV Aircraft SIN#: Date on: Date off:

Model#: APU 331-500/600 Engine SIN: Alternate S/N:

TIMES/CYCLES HH.DD (HH:MM)

Time Since New:

Time Since Overhaul:

Time Since Repair:

Cycles Since Repair:

CUSTOM ER REASON FOR RETURN

OVERHAUL (MSA)

GENERAL CONDITION AS RECEIVED (HIDDEN DAMAGE)

Condition Received Text

Dirty/Oily

Reason for return code

Removal Type

Unscheduled

DETAIL DISASSEMBLY / EVALUATION FINDINGS

Failure Description:

Unit retur ned fro overhaul.

Findings:

Related Area g\_f\_TiYAILABLE, SEE

Failed Part Rame Part Name e .1111dt• Primary Failure

SERVICE BULLETINS/ AUTHORIZING DOCUMENTS

**Authorizing Technical Document** 

**Complied With:** 

Doc#: ID TAG REPL PER MOD/COND Doc#: CMM 49-42-01 Rev: 3 Date: 08/06/2011

WORK PERFORMED/ COMMENTS TO CUSTOMER

wm<sup>-</sup>-PA JIt?..m111li§JWJ..InfaAQirL. @:o,1-Laken

Oyerhaul: Bearings and seal are 100%, wheel requires NOT and balance, thrust washers spacer and cages are worn, mag plug has thread damage. "Post incident inspection performed by Product Support Engineering on this unit with no evidence of FOO or water intrusion damage noted"

Anniston - Cliff Garrett Dr Honeywell International Inc 1 Cliff Garrett Drive Anniston AL 36201 Date:20 SEP 2017

Honeywell

Repair Station# ZX4R716M

Confi uration And Findin s Evaluation

Repair Order: 2017-329787695-001

Customer: PLANT4146 Honeywell International SARL c/oHoneywell Aerospace

329829652 Customer P/O: 7848457

**Orig Cust:** 

Part Number: 3505814-3 Part Desc: STARTER AIR TURBINE Serial No: 1541

Mods:

Series/Issue/Amdts: 1

Received Date: 12 SEP 2017 Quantity 1 Ship Date:

ction Taken Code Overhaul ustomer Confirmed Removal Reason: Yes

Evaluated - Minor Fault Found

**FINAL CONFIGURATION** 

Part No: 3505814-3 Iilll 1111 dii mil 1111 mlu H II 1111

**S/N**: 1541

ImHIWI II!II

Series/Issues/Amdts: 1

11rnH11m Mods:

MECHANIC/ANALYST Tommy Pinson

Page: 2 of 2

**DATE: 16 SEP 2017** 

Approving Civil Aviation     Authority/Country:     FAA/United States     4. Or g a n i z a t i o n Name and Ad	FAA Forr		SE CERTIFICATE INESS APPROVAL TA air Station	<b>G</b> <sub>+</sub>	m Tracking Number: • 70003762648Y15 329652
4. Organization Name and Ad	1 Cliff Garrett Drive Anniston AL 36201	•	4R716M	7848 3297	_
6. Item 17. Description:		8. Part Number:	9. Quantity:	10. Serial Number:	11. Status / Work:
001 STARTER AIR TURBI	NE	3505814-3	1	1541	OVERHAULED
12. Remarks:		•	•	•	
THE SERVICE SPECIFIED HAS	BEEN ACCOMPLISHED IN ACC	ORDANCE WITH:			
CMM 49-42-01 Rev 3, AUG/0	06/2011				
HR.DD (HH:N CSO 0.00 CSR 0.00 TSO 0.00 (0:00 TSR 0.00 (0:00	}				
TO SERVICE UNDER EASA PART 14  13a. Cediffes the items Identified at oved design date.	FIED IN BLOCK 11/12 WAS CARRIED 5 APPROVAL NO. EASA 145.4127 cove were manufactured in confor ata and are in a condition for safe or gn data specified in Block 12.	mity to:  peration.  14  Ce	PART 145 AND INRESPECT TO THAT  a. 181 14 CFR 43.9 Return to 3  ertifies that unless otheiwise speciescribed in Block 12 was accompliegulations, part 43 and in respect to	Service 181 Other regulified in Block 12, the work is shed in accordance with	Fitle 14, Code of Federal
13b. Authorized Signature:	13c. Approval,	Authorization No.:	b. Authorized Signature:		14c. Approval/Certificate No.:
			-		ZX4R716M
13d. Name (Typed or Printed):	13e. Date(dd/i		d. Name (Typed or Printed):		14e. Date(dd/mmm/yyyy): 11/OCT/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 aJiworthlness authoriw different than the aliworthlness authority of the country SP.ecified in Block1, it is essential that the user/installer ensures that his/her aliworthlness authority accepts aircraft engine(s)/propeller(s)/article(s) from the aliworthlness 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.

### AUTHORIZED RELEASE CERTIFICATE/AIRWORTHINESS APPROVAL TAG  ### International Inc	. IE* 0	Country	2. 't'IE fIIM3:'.,ti1.mJ CAA		Conformity t:51 1m:m <sub>fi</sub>	MM: <b>1</b> j	Airworthines	3. iiE-=!'5% , 20170003762647Y 329829652	Certificat e Ref. No.
*** Anniston AL 36201 ***  1 Cliff Garrett Drive Anniston AL 36201 ***  1 Cliff Garrett Drive Anniston AL 36201 ***  2 Page 1 of 1 ***  2 Page 1 of 1 ***  2 Page 1 of 1 ***  2 Page 1 of 1 ***  3 Seciple 111. F-lev 11.96 ***  Part No.	i:p00 <b>C</b> h	nina	AUTHORIZED RE	LEASE CERTIFIC	ATE/AIRWORTI	HINESS APPRO	OVAL TAG		
Part No.   Eligibility   Ody   Seria/Batch No.   Status/Work	4. lji{IT_ C	Organizatio	1 Cliff Garrett Drive				Work (7848457 32978769	Order/Contract/Invoice	
13   fit Remarks   13   fit Remarks   13   fit Remarks   14   fit Remarks   15   fit Remarks   16   fit Remarks   16   fit Remarks   17   fit Remarks   17   fit Remarks   18   fit R			ription						
### SERVICE SPECIFIED HAS BEEN ACCOMPLISHED IN ACCORDANCE WITH:  11, 14, 49-42-01 Rev 3, AUG/06/2011  ### SET. I.DD (HHMM)  SEE ATTACHED DOCUMENTS AS APPLICABLE FOR WORK PERFORMED  SEE ATTACHED DOCUMENTS AS APPLICABLE FOR WORK PERFORMED  ****TRACE*** New Parts  ### It; ## J. 9i(J.J.t. ;tl.; #J.5', #Bficfm [B家送前条例并将进步传书。  ### It; ## II; ##	)01	STARTER	R AIR TURBINE	3505814-3		NOT KNOWN		1541	OVERHAULED
New Parts  tt;t,plti'! J'.9i((J,Jt;t!,ill;/.5',  Bftc!mtags适航条例进行制造/检查,  ii.i.i.i.i.i.i.i.i.i.i.i.i.i.i.i.i.i.	SR 0 SO 0	0.00	'						
c	tt;t,劇  *Bftc!m  ii.i¥  Certifie  13 waregular  the ap  porting  [6. mli.A	Noti'! J'	ew Parts  2. <b>9i</b> ((,J;J:t ;t!,i!l;/.5',ik),k) (,M;A) (,M;	和进口国提出的专用要求。 s otherwise specific accor with the air the case of parties are expecial requirement 10. mliBWI Date	ed in block rworthiness xported with. s of the im-	ttp,IJfj_tj'lf"A"/,I>j. 13 Bftc!mti'!OO M i¥<1".1'1, r Certifies that the wo was carried out in a country and the not respect to that worl sidered ready for re 9. 't'00 M,ti1.rn! :& Issued by or on beh	319\((,J;):t;tl,il l;/. JIllilli:i!Eii!I:m m:t:R mm r ork specified aboaccordance with tified special reck, the part(s) is(a elease to service	t'l *illrrTI  =, r m.  ove except as specified in the airworthiness regul quirements of the import are) in condition for safe	ations of the stated ting country and in

# ml-l1&1riiE-=J=;/is: ml-lf,[\] AUTHORIZED RELEASE CERTIFICATE/AIRWORTHINESS APPROVAL TAG ftffl/ JJ9' USER/INSTALLER RESPONSIBILITIES

\*

- <1) !16' #JJJJ: X{tJ:jf: mtl-{|J:/ffl{|f/@{|f:iiJ JUflotcrz:ifli...t.}
- (2) 1'/ff**/片/\***;f,ft}fi || Ji**fE日iUilJJDEeffi./M{di.j{UIJ***JiJiffi* **90\*\*1J/Mt**i:ffiJiJiMffilffiD'9J**I D**t/**!ffelj**9的H{fJ:Jfft,
- (3) \*i:J:lJH4JJJi, ffil5JJJi99 1!, #:f iJ!ijij\*\* \* ffttW. tEJiJrfi'tiN ff, IDt5!BfY!ffl mJ, Jbt B ffl/mre \*OO Jbt \* m A\$ fil o

- (1) It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly.
- Where the user/installer works in accordance with the national regulations of an .Airworthiness Authority different than the Airworthiness Authority of the country specified in block 1, it is essential that the user/installer ensure that his/her Airworthiness Authority accepts parts/components/assemblies from the Airworthiness Authority of the country specified in block 1.
- (3) Statements 14 and 15 do not constitute installation certification. In all cases the aircraft maintenance record must contain an installation certification issued in accordance with the national regulation by the user/installer before the aircraft may be flown.

Honeywell

Repair Facility: Honeywell R&O, Anniston, AL Repair Station No: ZX4R716M

customer PO: 7848457 Notification No: 000329787695 Outline No : 3505814-3 Mod To Outline. :3505814-3

Customer: PLANT4146 Honeywell International SARL c/oHoneywell Service Order No : 5011466914 Sales Order No : 7848457

Serial No: 1541

Mod to SIN: 1541

Model No.: APU 331-500/600

		Material	Serial No.	Disp	Qty	Description	Service Order#
П	IN.	3505814-3	1541	М	0	STARTER AIR TURBINE	5011466914
(	O.UT	3505814-3	1541	M			

ff;WORK CODE : 303

CONDITION CODE: AAA NO CODE AVAILABLE, SEE COMMENTS: ACCT IND:

### ANALYST REMARKS:

	Material	Serial No.	Disp	Qty	Description	Service Order #
IN	.3504391-1		N	1	RATCHET SHAFT SPLINE	
OUT	3504391-1		N	1		

REWORK CODE:

**CONDITION** CODE: 7080 Spalling/Spalled ACCT IND:

### ANALYST REMARKS:

	Material	Serial No.	DiSP	Qty	Descriotion	Service Order #
IN	.3503973-1		u	1	COVER, GEAR HOUSING	
OUT	3503973-1		u	1		

REWORK CODE:

CONDITION CODE: ACCT IND:

### ANALYST REMARKS:

	Material	Serial No.	DISD	Qty	Description	Service Order #
IN	.572-514-9203		N	1	PLUG, MACHINE THREAD, MAGNETIC - DRAIN,	
OUT	572-514-9203		N		·	

REWORK CODE:

**CONDITION** CODE: 770 Threads Damaged ACCT IND:

### **ANALYST REMARKS:**

	Material	Serial No.	DISD	Qtv	Description	Service Order#
IN	.3503966-1		u	1	DEFLECTOR	
OUT	3503966-1		u			

REWORK CODE:

CONDITION CODE: ACCT IND:

### ANALYST REMARKS:

	Material	Serial No.	DIsD	Qtv	Description	Service Order #
IN	.3503960-1		u	1	DUCT,STATORINLET,ASSY	
OUT	3503960-1		u			

**REWORK CODE:** 

CONDITION CODE: ACCT IND:

ANALYST REMARKS:

Print Date: 09/21/2017 Page 1 of 6



Repair Facility: Honeywell R&O, Anniston, AL Repair Station No: ZX4R716M

Customer PO: 7848457 Customer: PLANT4146 Honeywell International SARL c/oHoneywell Notification No: 000329787695 Service Order No: 5011466914 Sales Order No: 7848457

Outline No : 3505814-3 Serial No: 1541

Mod To Outline. :3505814-3 Mod to S/N: 1541 Model No.: APU 331-500/600

		Material	Serial No.	Dlsp	Qty	Description	Service Order#
IN		.3503995-1	3-162045-258	u	1	RING, CONTAINMENT	
OU	Т	3503995-1	3-162045-258	u		·	

REWORK CODE:

CONDITION CODE: ACCT IND:

### ANALYST REMARKS:

	Material	Serlal No.	DisD	Qty	Description	Service Order#
IN	.3503993-1		u	1	WASHER SPRING TENSION	
OUT	3503993-1		u			

REWORK CODE :

CONDITION CODE: ACCT IND:

### ANALYST REMARKS:

		Material	Serial No.	DISD	Qtv	Descriotion	Service Order#
	IN	.3503969-1		u	1	GEARSHAFT, SPUR	
ı	OUT	3503969-1		u		·	

REWORK CODE :

CONDITION CODE: ACCT IND:

### ANALYST REMARKS:

L		Material	Serial No.	DiSD	Qtv	Descriction	Service Order#
	Ν	.3502438-1		N	1	BEARING, BALL, ANNULAR	
(	TUC	3502438-1		N			

REWORK CODE:

CONDITION CODE.: 6360 100% upon Removal ACCT IND:

### ANALYST REMARKS:

	Material	Serial No.	Diso	Qtv	Descriotion	Service Order#
IN	.3503970-1		u	1	SPACER	
OUT	3503970-1		U			

REWORK CODE:

CONDITION CODE: ACCT IND:

### ANALYST REMARKS:

	Material	Serial No.	DiSD	Qty	Description	Service Order#
IN	.3502438-1		N	1	BEARING, BALL, ANNULAR	
OUT	3502438-1	I	N			

REWORK CODE:

CONDITION CODE: 6360 100% upon Removal ACCT IND:

ANALYST REMARKS:

Print Date : 09/21/2017 Page 2 of 6

Repair Facility: Honeywell R&O, Anniston, AL Repair Station No: ZX4R716M

Customer: PLANT4146 Honeywell International SARL c/oHoneywell Service Order No: 5011466914 Sales Order No: 7848457

Serial No: 1541

Outline No : 3505814-3 M-od To Outiine. :3505814-3 Mod to S/N: 1541 Model No.: APU 331-500/600

	Material	Serial No.	Disp	Qty	Description	Service Order#
IN	.3504074-1		u	1	FILTER DISC	
OUT	3504074-1		u			

R WORK CODE :

CONDITION CODE: ACCT IND:

### ANALYST REMARKS:

ustomer PO: 7848457

Notification No: 000329787695

	Material	Serial No.	Dlsp	Qty	Description	Service Order#
IN	.3503967-1		u	1	HOUSING ASSEMBLY, GEAR	
OUT.	3503967-1		u	1		

REWORK CODE:

**CONDITION CODE:** ACCT IND:

### ANALYST REMARKS:

	Material	Serial No.	Disc	Qtv	Description	Service Order#
IN	.3503997-1		u	1	BOLT, SPECIAL	
OUT	3503997-1		U			

REWORK CODE:

ACCT IND: CONDITION CODE:

### ANALYST REMARKS:

	Material	Serial No.	Disc	Qtv	Descriction	Service Order#
IN	.3503998-1		N	1	WASHER, KEYED	
OUT	3503998-1		N		·	

**REWORK CODE:** 

CONDITION CODE: 6360 100% upon Removal ACCT IND:

### ANALYST REMARKS:

	Material	Serial No.	Disc	Qtv	Descriotion	Service Order#
IN	.3503985-1	093938	R	1	WHEEL ASSY, TURBINE, AXIAL FLOW	5011483314
OUT	3503985-1	093938	R		·	

REWORK CODE: 350 **CONDITION CODE:** 6780Wom ACCT IND:

### ANALYST REMARKS:

	Material	Serial <b>No.</b>	Diso	Qtv	Description	Service Order#
IN	.3503982-2		N	1	BEARING, BALL, ANNULAR	
OUT	3503982-2		N			

**REWORK CODE:** 

CONDITION CODE: 6360 100% upon Removal ACCT IND:

ANALYST REMARKS:

Print Date: 09/21/2017 Page 3 of6

Honeywell

Repair Facility: Honeywell R&O, Anniston, AL Repair Station No:ZX4R716M

Customer PO: 7848457 Notification No: 000329787695 Outline No: 3505814-3 Mod To Outline::3505814-3 **Customer:** PLANT4146 Honeywell International SARL doHoneywell **Service Order No:** 5011466914 **Sales Order No**: 7848457

Serial No: 1541

**Mod to S/N**: 1541 **Model No.**: APU 331-500/600

	Material	Serial No.	Disp	Qtv	Description	Service Order#
IN	.3503996-1		u	1	GEAR, SUN	
OUT	3503996-1		u		·	

REWORK CODE:

CONDITION CODE: ACCT IND:

### ANALYST REMARKS:

	Material	Serial No.	Disp	Qtv	Description	Service Order#
IN	.3503994-2		u	1	JACKSHAFT	
OUT	3503994-2		u	1		

REWORK CODE:

CONDITION CODE: ACCT IND:

### ANALYST REMARKS:

	Material	Serial No.	DisP	Qtv	Description	Service Order#
IN	.3504077-1		U	1	RING ASSEMBLY CONTAINMENT. AXIAL	
OUT	3504077-1		U	1		

REWORK CODE:

CONDITION CODE: ACCT IND:

### ANALYST REMARKS:

	Material	Serial No.	Diso	Qtv	Descriotion	Service Order#
IN	.3503971-1		N	1	SEAL, CARBON FACE	
OUT	3503971-1		N	l		

REWORK CODE :

CONDITION CODE: 6360 100% upon Removal ACCT IND:

### ANALYST REMARKS:

IN	Material .3503972-1	Serial No.	Dis	Qt	Descrition ROTOR, SEAL	Service Order#
OUT			N	1	ROTOR, SEAL	

REWORK CODE:

CONDITION CODE: 6780Worn ACCT IND:

# ANALYST REMARKS:

	Material	Serial No.	Dis	Qt	Descri lion	Service Order#
IN	.3503982-2		N		BEARING, BALL, ANNULAR	
OUT	3503982-2		N			

REWORK CODE :

CONDITION CODE: 6360 100% upon Removal ACCT IND:

ANALYST REMARKS:

Honeywell

Repair Facility: Honeywell R&O, Anniston, AL Repair Station No: ZX4R716M

Customer PO: 7848457 Customer: PLANT4146 Honeywell International SARL c/oHoneywell Notification No: 000329787695 Service Order No: 5011466914 Sales Order No: 7848457

Outline No : 3505814-3 Serial No: 1541 Mod To Outline. :3505814-3 Mod to **S/N**: 15

Mod to **S/N**: 1541 Model **No**.: APU 331-500/600

	Material	Serial No.	Dlsp	Qty	Description	Service Order#
IN	.3503968-2		u	1	CARRIER, TURBINE	
OUT	3503968-2		u		·	

REWORK CODE :

CONDITION CODE : . ACCTIND:

### ANALYST REMARKS:

	Material	Serial No.	Dlsp	Qty	Description	Service Order#
IN	.3503962-1		u	1	GEAR, PLANET, COMPOUND	
OUT	3503962-1		u			

REWORK CODE:

CONDITION CODE; ACCT IND:

### ANALYST REMARKS:

	Material	Serial No.	Dlsp	Qtv	Description	Service Order#
IN	.3503963-1		N	1	WASHER, THRUST	
OUT	3503963-1		N			

REWORK CODE:

CONDITION CODE: 6780Wom ACCT IND:

### ANALYST REMARKS:

	Material	Serial No.	DIsP	Qtv	Description	Service Order#
IN	.3503983-2		N	1	CAGE, ROLLER BEARING	
OUT	3503983-2		N	1	·	

REWORK CODE:

CONDITION CODE: 6780Wom ACCT IND:

### ANALYST REMARKS:

	Material	Serial No.	Dlsp	Qty	Description	Service Order#
IN	.3503964-1		N	1	SPACER, BEARING	
OUT	3503964-1		N	1		

REWORK CODE:

CONDITION CODE : 6360 100% upon Removal ACCT IND:

### ANALYST REMARKS:

	Material	Serial No.	Dlsp	Qtv	Description	Service Order#
IN	.3503983-2		N	1	CAGE, ROLLER BEARING	
OUT	3503983-2		N			

REWORK CODE ;

CONDITION CODE; 6780Worn ACCT IND:

ANALYST REMARKS:

Print Date: 09/21/2017 Page 5 of6

Honeywell

Repair Facility: Honeywell R&O, Anniston, AL Repair Station No: ZX4R716M

Customer PO:7848457Customer:PLANT4146 Honeywell International SARL c/oHoneywellNotification No:000329787695Service Order No:5011466914Sales Order No:7848457

**Outline No** : 3505814-3 **Serial No**: 1541

Mod To Outline. :3505814-3 Mod to S/N: 1541 Model No.: APU 331-500/600

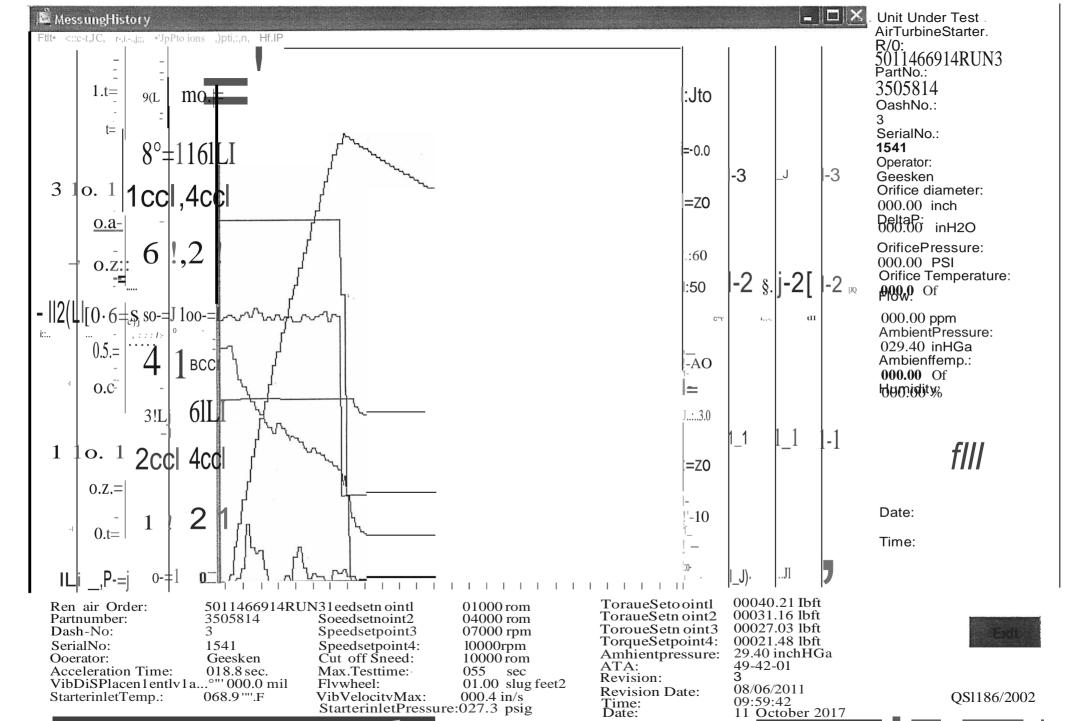
	Material	Serial No.	Disp	Qtv	Description	Service Order#
IN	.3503963-1		N	1	WASHER, THRUST	
OUT	3503963-1		N			

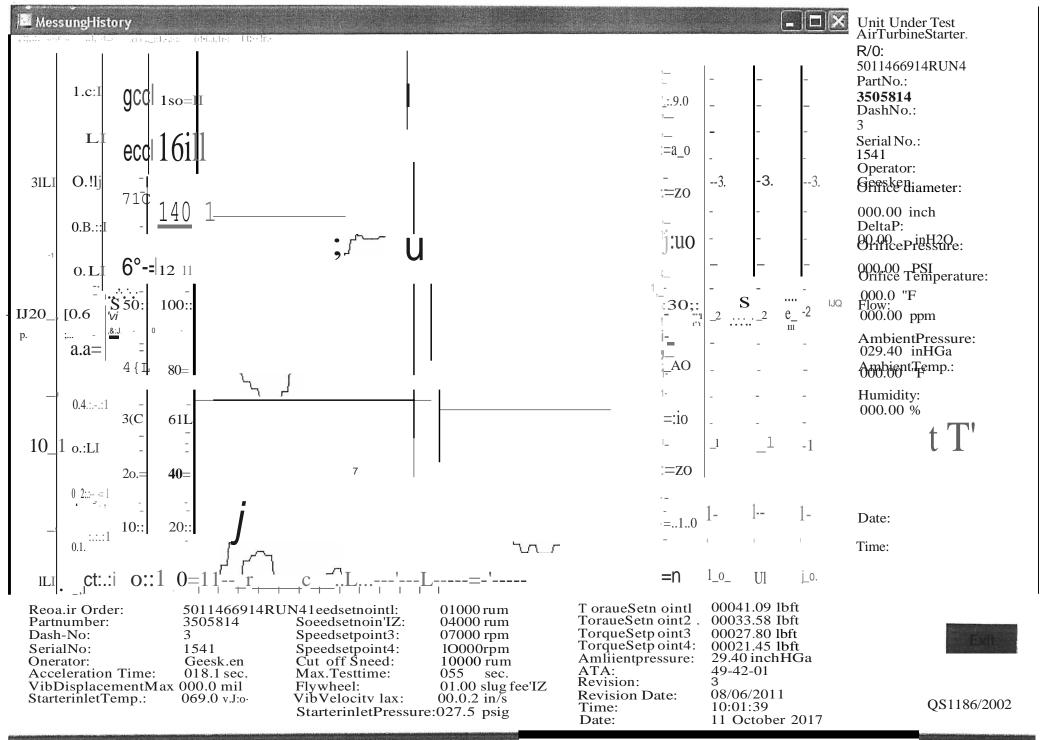
REWORK CODE:

CONDITION CODE: 6780Wom ACCT IND:

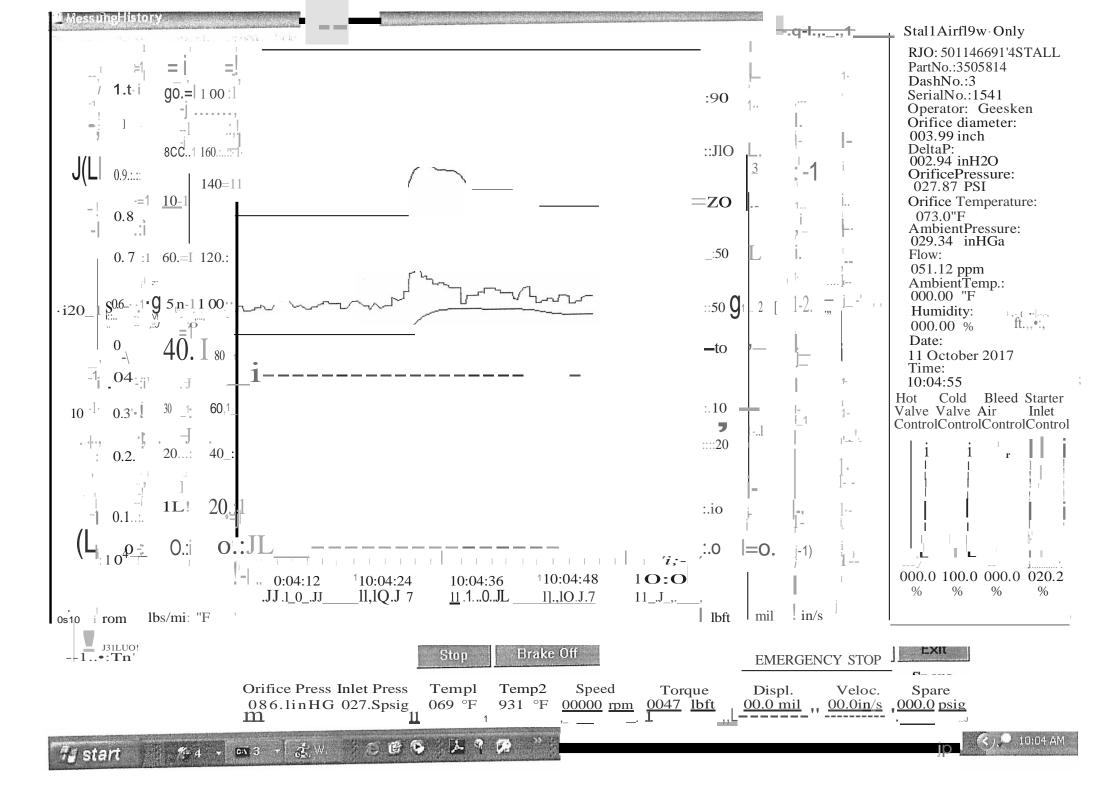
ANALYST REMARKS:

Print Date : 09/21/2017 Page 6 of6





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1 • Coun	1-Country 2. CIVIL AVIATION AUTHORITY OF SINGAPORE 3. Form Tracking N mber:								
S	SINGAPORE	AUTHO	RIZED REL	CER CER	TIFICATE	•	ib	ib gre <sup>5</sup> 0 <sup>9</sup> vos	
			Repair Station AWI/38	•			5. Work Order/Contract/Invoice Numb 10453748 330006248 Page 1 of 1		
. Item:	7. Description:		8. Part Number:		9. Eligibility:•	10. Quantity:	11. Seria	I / Batch Number:	I 12. Status I Work:
001	IGNITION SYSTEM AS	SSY	3888275-10		N/A	1	N/A		REPAIRED
CMM 49 CMM 49 CMM 49 IR 49- ALTERN	-24-79 Rev 9, APR/2 -41-15 Rev 0, SEP/21 -41-17 Rev 6, NOV/30 -41-23 Rev 0, FEB/08 1 Rev - ATE SN OUTGOING: J1' /ISSUE/AMDTS:NIL NIL	/1994 /2010 /2000							
SEE ATI	'ACHED DOCUMENTS AS APP	PLICABLE FOR WORK PERFORMED							
Certifies ]	_	were manufactured in conformity to a and are in condition for safe operat data specified in Block 13		Certifies that unle described in Bloc	.50 Release to Sess otherwise spec k13 was accomplis	cified in Block 13, t shed in accordance	he work ide	specified in Block 1 ntified in Block 12 and 45 and the Air Navigati for release to service.	ion
15. Auth	orized Signature:	Approval I	No.:	20. Authorized	Signature:		,,, <sup>/</sup> (_ QC S-76,e,.	21. CAAS Ap	proval No.:
		118. Date	(dd mmm yyy	22. Name (Typ	ed or Printed):			23. Date (dd i	mmm yyyy):
			•••	Tan Chat Par	20			16 OCT 201	_
				Tan Chat rai	<u> </u>			10 001 201	<u> </u>

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Approvin  EASA	g Competent Authority/Country	2. AUTHO	3. Form Tr cking Number 20170003776507Y02 330053409		
LAOA			EASA FORM 1		
4. Organisa	tion Name and <b>Address</b> : Honeywell A (Gui Circle) 161 Gui Cir Singapore 6	cle		5. Work Order/Contract/Invoice 10453748 330006248 Page 1 of 1	
6. Item	7. Description	8. Part No	9. Qty	10. Serial No.	11. Status/Work
001	IGNITION SYSTEM ASSY	3838275-10	1	N/A	REPAIRED
CMM 49-4 TR 49-1 ALTERNAT	PE SN OUTGOING : J17340052				
	es that the items identified above were r opro esign data and are in condition data specified in block	for safe operation	Certifies that unles and described in blo	s otherwise specified in block	Other regulation specified in block 12 t 12, the work identified in block 11 ccordance with Part-145 and in dy for release to service.
	sed Signature		14b. Authorised Sign	ature <i>VI£1.,</i> z QC- O,s,16	j 14c. Certificate/Approval Ref. No
<b>/</b>	13ε	e. Date 1:dd mmm yyyy)	<b>114d. Name</b> Tan Chat Pan g		14e. Date (dd mmm yyyy)  16 OCT 2017
	ER RESPONSIBILITIES adoes not automatically constitute authority to In	stall the item(s).			
	ernnstaller performs work in accordance with reg			pecified In block 1, It is essential th	at the usernnstaller
	blocks 13a and 14a do not constitute Installation the user/Installer before the aircraft may be flo		ce records must contain an Installa	tion certification Issued In accordan	ice with the national

1. Approving Civil Aviation  2. FAA/United States		LEASE CERTIFICATE DRTHINESS APPROVAL TA	201700	Form Tracking NeUmber: , , , r 170003776508Y03 0053409	
4. Organization Name and Address: Honeywo (Gui Circ 161 Gui C Singapor	le)	Repair Station FT4Y192M	5. Work 104537 3300062 Page 1	248	
6.ltem: 7. Description:	8. Part Number:	9. Quanti	10. Serial Number:	11. Status / Work:	<del>                                     </del>
001 IGNITION SYSTEM ASSY	3888275-10	1	N/A	REPAIRED	]
12. Remarks: THE SERVICE SPECIFIED HAS BEEN ACC IRM 49-24-79 Rev 9, APR/29/2016 CMM 49-41-15 Rev 0, SEP/21/1994 CMM 49-41-17 Rev 6, NOV/30/2010 CMM 49-41-23 Rev 0, FEB/08/2000 TR 49-1 Rev -	COMPLISHED IN ACCORDANCE WITH:				
ALTERNATE SN OUTGOING: J17340052 SERIES/ISSUE/AMDTS:NIL MODS: NIL					
SEE ATTACHED DOCUMENTS AS APPLICABLE	FOR WORK PERFORMED				
if!!s the items identified above were n	nanufactured in conformity to:	14a. 14 CFR 43.9 Return to Se	ervice D Other regulation	n specified in Block 12	
Approved design data and are in Non-approved design data speci	· · · · · · · · · · · · · · · · · · ·	Certifies that unless otherwise specific described in Block 12 was accomplic Regulations, part 43 and in respect to	shed in accordance with Title	14, Code of Federal	
13b. Authorized Signature:	13c. Approval/Authorization No.:	14b. Authorized Signature:.,,. <u>C::,-==</u>	,;}Wty	c. Approval/Certificate No.:	
13d. Name (Typed of Printed):	13e. Date(dd/mmm/yyyy):	14d. Name (Typed or Printed):	14	4e. Date (dd/mmm/yyyy):	7
		Tan Chat Pang	116	6/OCT/2017	
	<u> </u>	U D 11 11 11 11	<del>-</del>		$\neg$

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)iarticle(s) from the airworthiness authori 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)

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	SINGAPORE AU	THORIZED RE	AUTHORITY OF SINGAPORE RELEASE CERTIFICATE AAS(AW)gs			3. Form Tracking Number:  20110003115414vos  330os29aa			
4. Org	ganization Name and Address: Honeywell Aerospace (Gui Circle) 161 Gui Circle Singapore 629619	Singapore Pte Ltd	Repair Station AWI/38			5. Work Order/ContracVInvoice Number 10453748 330006248 Page 1 of 1			
6.ltem	: 7. Description:	8. Part Number:		9. Eligibility:*	110. Quantity:	11. Serial / Batch Number:	12. Status / Work:		
001	MODULE DATA MEMORY	304643-2		N/A		GE12119	INSPECTED/ TESTED		
	TTACHED DOCUMENTS AS APPLICABLE FOR WORK PERFO	RMED.							
SEE A		14115							
-t:ir-,.1r.1e	PARTS  ems identified above were manufactured in conf Appro esign data and are in condition for so Non-approved data specified in Block 13	ormity to: afe operation	Certi es th_at un described m Bloc Order and in res	5.50 Release to Seless otherwise spe in k13 was accomposh pect to that work the	fied i_n Block 13, tl	regulation specified in Block 1 ne ''ark identified in Block_12 a d. with SAR 145 and the Air Nav1gat1 ered ready for release to service.	on		
-t:ir-,.1r.1e	<ul> <li>ems identified above were manufactured in confidence of the confidence</li></ul>	ormity to: afe operation	181 SAR-145 Certi es th_at un described m Bloo	5.50 Release to Seless otherwise spe in k13 was accomposh pect to that work the	fied i_n Block 13, tl ecl m accordance items are conside	ne ':'ark identified in Block_ 12 a d. with SAR 145 and the Air Nav1gat1	on		

### User/Installer Responsibilities

Tan Chat Pang

16 OCT **2017** 

- 1. It is Important to understand that the existence of the Certificate alone do: is not automatically constitute authority to Install the part/component/assembly.

  2. Vi/here the user/installer works in accordance with the national regulations of an Airworthiness Authority different from the Civil Aviation Authority of Singapore(CAAS), it is essential that the user/installer ensures that his/her Airworthiness Authority accepts parts/components/assemblies from the CAAS.

  3. Statements 14 and 19 do not constitute installation certification. In all cases, the aircraft maintenance record must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

I. Approving Civil Aviation  FAA/United: States	2.	AUTHORIZED REL FAA Form 8130-3, AIRWO				3. Form Tracking Number: 20170003776473Y03 330052988	
P. Organization Name and Address:	Honeywell Aeros (Gui Circle) 161 Gui Circle Singapore 6290		Repair Station FT4Y192M		1 3	6. Work Order/Contract/Invoice Number: .0453748 .30006248 Page 1 of 1	
6.Item: 7. Description:		8. Part Number:		9. Quant"	10. Serial Number:	11. Status / Work:	
001 IMODULE DATA MEMO	RY	304643-2			GE12119	INSPECTED	
12. Remarks:		<u>I</u>		!			
THE SERVICE SPECIFIED HAS	BEEN ACCOMPLI	SHED IN ACCORDANCE WITH:					
SEE ATTACHED DOCUMENTS AS AP	PLICABLE FOR WO	RK PERFORMED					
		ational in a suffermation to	14a. <b>jg</b> ) 14 CFF	) 40 0 D - to to 6	out of Decomposition	andatha an a Wadia Dhala 40	
		ition for safe operation.	Certifies that unles described in Block	ss otherwise spec	cified in Block 12, the wo	egulation specified in Block 12 ork identified in Block 11 and ith Title 14, Code of Federal are approved for return to service.	
3b. Authorized Signature:		13c. Approval/Authorization No.:	14b. Authorized Si	gnature:	ille.;	14c. Approval/Certificate No.: FT4Y192M	
13d. Name (Typed of Printed):		13e. Date(dd/mmm/yyyy):	14d. Name (Typed	d or Printed):		14e. Date (dd/mmm/yyyy):	

Tan Chat Pang

16/OCT/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 authorih' 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

Approving Competent Authority/Country		2. AUTHO	ORISED RELEASE	CERTIFICAT	3. Form Tntcking u111ber 20170003776472Y02 330052988
EASA			EASA FORM 1		330052988
4. Organisa	tion Name and Address: Honeywell (Gui Circle) 161 Gui Cir Singapore	cle			5. Work Order/Contract/Invoice 10453748 330006248 Page 1 of 1
6. Item	7. Description	8. Part No	9. Qty	10. Serial No.	11. Status/Work
001	MODULE DATA MEMORY	304643-2	1	GE12119	INSPECTED/ TESTED
ар	s that the items identified above were ma pro design data and are in condition n-approved data specified in bloc	for safe operation	Certifies that unless ot and described in block	herwise specified in block	Other regulation specified in block 12 < 12, the work identified in block 11 accordance with Part-145 and in Idy for release to service.
13b. Authoris	ed Signature		14b. Authorised Sign <u>atu</u> r	e ■ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □	14c. Certificate/Approval Ref. No I EASA.145.0076
	13	e. Date (dd mmm yyyy)	14d. Name		14e. Date (dd mmm yyyy)
			Tan Chat Panq		16 OCT 2017
This certificate Where the use ensures that his	RERESPONSIBILITIES does not automatically constitute authority to li r/installer performs work in accordance with reg s/her airworthiness authority accepts Items fro	ulation of an airworthiness authority different m the airworthiness authority specified In bl	lock 1.		

regulations by the user/installer before the aircraft may be flown.

1 • Coun		RIZED REL	THORITY OF SINGA LEASE CERT S(AW)95	_	Ē		Tracking Numb		=
4. Org	anization Name and Address: Honeywell Aerospace Singap (Gui Circle) 161 Gui Circle Singapore 629619		Repair Station AWI/38			5. Work 10453 33000 Page	7 <b>48</b> 16248	/Invoice Number:	iii
6.ltem:	7. Description:	8. Part Number:		9. Eligibility:*	10. Quantity:	11. Serial / Ba	atch Number:	112. Status / Work:	l
001	VALVE OUTLINE, SURGE CONTROL	3290814-5		N/A	1	3290814/88	8	OVERHAULED	
13 R4	emarks:	1	CONTINUED:						
CMM 4 CMM 4 TR 49 NOTE: SHOP TSO CSO TSR TEXT	ERVICE SPECIFIED HAS BEEN ACCOMPLISHED IN ACCOR 9-52-11 Rev 5, DEC/20/2003 9-52-13 Rev 7, JAN/05/2015 -3 Rev 7  ACTUATOR SEALS, RING CLIP AND PISTON RING WERE VISIT.  HH.DD (HH:MM)  O.OO (0:00)  0.00  0.00  CONTINUED ON RIGHT SIDE		CSR 0.0	H.DD (HH:N	AIM)				
,f,t,,,,l,,IC	<ul> <li>PARTS         <ul> <li>ems identified above were manufactured in conformity</li> <li>Appro esign data and are in condition for safe operation</li> </ul> </li> <li>Non-approved data specified in Block 13</li> </ul>		19. USED PAR 181 SAR-145.5 Certi es th_at unle described m Block Order and in respe	O Release to Se	ed in Block 13. th	e "York identified i	in Block 12 and.		
15. Au	thorized Signature:		20. Authorized S	signature:		Co.	121. CAAS App <b>AWI/38</b>	roval No.:	
	18. Date (dd	mmm yyyy	122. Name (Type	ed or Printed):			123. Date (dd m	mm vvvv):	l
	1	. ,,,,	TanChatPan				16OCT2017	,,,,,	
	1	User / Ins	staller Responsibilitie						l
<ol> <li>Wher Authorit</li> <li>State</li> </ol>	nportant to understand that the existence of the Certificate alone does not autor e the user/installer works In accordance with the national regulations of an Airv y accepts parts/components/assemblies from the CAAS. ments 14 and 19 do not constitute installation certification. In all cases, the airc may be flown.	matically constitute authority vorthiness Authority different	to install the part/component/ t from the Civil Aviation Autho	assembly. rity of SIngapore(CA	-,,				

•,,,

aircraft may be flown.

CAAS(AW)95- Issue 2

1. Approving Civil Authority/Count FAA/United	ry:		ORIZED RELI 8130-3, AIRWOI		3. Form Tracking Number: , , 20170003776466Y03 330053325			
4. Organization N		Honeywell Aerospace Singap (Gui Circle) 161 Gui Circle Singapore 629619	ore Pte Itd	Repair Station FT4Y192M			5. Work Order/Co 10453748 330006248 Page 1 of 1	ontract/Invoice Number:
6. Item: 7. Descrip	tion:		8. Part Number:		9. Quantity:	10. Serial Number	er:	11. Status / Work:
001 VALVE C	OUTLINE, SURG	E CONTROL	3290814-5		1	3290814/888		OVERHAULED
12. Remarks:			1	CONTINUED:		<del>.</del>		
CMM 49-52-11 CMM 49-52-13 TR 49-3 Rev NOTE: ACTUAT SHOP VISIT.  H TSO 0.0 CSO 0.0 TSR 0.0 TEXT CONTINU	Rev 5, DEC/20 Rev 7, JAN/05 7 OR SEALS, RING H.DD (HH:MM 0 (0:00) 0 (0:00)	/2015 G CLIP AND PISTON RING WEI		CSR 0.00				
_		ove were manufactured in conform	•	14a. <b>[gl</b> 14 CFR			regulation specifi	
<b>D</b>	•	e in a condition for safe operation data specified in Block 12.	1.	described in Block	12 was accompl	cified in Block 12, the ished in accordance to that work, the iten	with Title 14, Cod	de of Federal
13b. Authorized S	ignature:	3c. Approval/	Authorization No.:	14b. Authorized Sig	gnature:	.,. <u>.</u> .116-<.	14c. Appro	oval/Certificate No.:
13d. <b>Nam</b> r	inted):	13e. Date	e(dd/mmm/y	114d_Name (Typed	or Printed):		14e. Date	(dd/mmm/yyyy):
				Tan Chat Pang			16/OCT	7/2017
				ler Responsibilitie				

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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 authoriw. of the country specified in Block1. Statements in Blocks 13a and 14a do not constitute installation tectification. In allcas s aircraft maintenance records must contain an Installation certification issued in accordance with the national reaulations by the user/installer before the aircraft may be flown.

	g Competent Authority/Country	2. AUTHO	ORISED RELEAS	SE CERTIFICATE	3. Form Tr,cking fiu111ber 20170003776465Y02 330053325
EASA			EASA FORM 1		550055525
4. Organisa	tion Name and Address: Honeywell A (Gui Circle) 161 Gui Circ Singapore 6	le	LAGA FORMIT		5. Work Order/Contract/Invoice 10453748 330006248 Page 1 of 1
6. Item	7. Description	8. Part No	'9. Qty	10. Serial No.	11. Status/Work
001	VALVE OUTLINE, SURGE CONTROL	3290814-5	1	3290814/888	OVERHAULED
12. Remark			CONTINUED:		
CMM 49-52 CMM 49-52 TR 49-3 1 NOTE: ACT SHOP VIS TSO CSO TSR TEXT CONT	TUATOR SEALS, RING CLIP AND PIS	FON RING WERE REPLACED THIS	CSR 0.0		Other regulation specified in block 12
ар		r safe operation	Certifies that unles and described in blo	s otherwise specified in block	12, the work identified in block 11 accordance with Part-145 and in
13b. Authoris	sed Signature		14b. Authorised Sign	ature gac ,s,76	14c. Certificate/Approval Ref. No  [ EASA.145.0076
13d. Na	13e	. Date (dd mmm yyyy)	I14d. Name		14e. Date (dd mmm yyyy)
			Tan Chat Pang		16 OCT 2017
This certificate Where the use	ER RESPONSIBILITIES does not automatically constitute authority to ins r/Installer performs work in accordance with regu- is/her airworthiness authority accepts items from	ation of an airworthiness authority different		pecified In block 1, It Is essential th	nat the user/installer
Statements in	blocks 13a and 14a do not constitute Installation	contification in all cases girereft maintanance	oo rooorde must contain on Installa	ution cartification legued in accordan	and with the national

regulations by the usernnstaller  $\mbox{\bf before}$  the aircraft may be flown.

1. Cou	CIV	IL <b>aviation</b> auth	ORITY OF SINGA	PORE			3. Form Tracking Numb	per:		
5	SINGAPORE AUTHORIZED RELEASE CERTIFICATE  CAAS(AW)95  CAS(AW)95									
4. Orgar	ization Name and Address: Honeywell Aerospace Singap (Gui Circle) 161 Gui Circle Singapore 629619		Repair Station AWI/38				5. Work Order/Contract 10453748 330006248 Page 1 of 1	t/Invoice Number:		
6.ltem:	7. Description:	8. Part Number:		9. Eligibility:*	10. Quantity:	11. Se	erial/ Batch Number:	12. Status/ Work:		
001	PNEUMATIC CLUSTER ASSY	3884863-7		N/A	1	P-15	P-1525 REPAIRED			
13. Rer	arks :				<u> </u>	<u> </u>				
CMM 49	RVICE SPECIFIED HAS BEEN ACCOMPLISHED IN ACCOR -52-11 Rev 5, DEC/20/2003 -52-15 Rev 5, FEB/23/2010 0260 Rev-, APR/05/2004									
CSR TSR SERIES MODS:	HH.DD (HH:MM) 0.00 0.00 (0:00) /ISSUE/AMDTS:1 NIL									
SEE ATT	ACHED DOCUMENTS AS APPLICABLE FOR WORK PERFORMED									
Certifies	·		Certifies that unless	Release to Sei s otherwise specif	ied in Block 13, the	work id	on specified in Block 13 entified in Block 12 and R 145 and the Air Navigatio y for release to service.			
15. Auth	orized Signature: Approval	No.:	20. Authorized S	ignature:			121. CAAS App	roval No.:		
				<u> </u>	;r'.	Y	AWI/38			
	18. Date (dd	mmm yyyy	122. Name (Type	d or Printed):			23. Date (dd m	ımm yyyy):		
	1 ·		Tan Chat Pan				16 OCT 2017	,		
<ol> <li>Where</li> <li>Author Hy</li> <li>Statem</li> </ol>	ortant to understand that the existence of the Certificate alone does not autor the user/Installer works In accordance with the national regulations of an Ain accepts parts/components/assemblies from the CMS. ents 14 and 19 do not constitute installation certification. In all cases, the airc ay be flown.	matically constitute authority to worthiness Authority different	from the Civil Aviation Autho	assembly. rity of Slngapore(C	•					

Auth	roving Civil Aviation nority/Country: /United States			ASE CERTIFICATE THINESS APPROVAL TA	20	3. Form Tracking Number: , 20170003776431Y03 330041083 5. Work Order/Contract/Invoice Number: 10453748 330006248 Page 1 of 1		
4. Orga	anization Name and Address:	Honeywell Aerospace Singapo (Gui Circle) 161 Gui Circle Singapore 629619	re Pte Ltd	Repair Station FT4Y192M	33			
6.ltem	7. Description:		8. Part Number:	9. Quantity:	10. Serial Number:	11. Status I Work:	7	
001	PNEUMATIC CLUSTER	ASSY	3884863-7	1	P-1525	REPAIRED		
THE		BEEN ACCOMPLISHED IN ACCOR	DANCE WITH:	1	1	,		
CMM	49-52-11 Rev 5, DEC/20 49-52-15 Rev 5, FEB/23 P30260 Rev-, APR/05/2 9-4	/2010						
	HH.DD (HH:MM 0.00 0.00 (0:00) ES/ISSUE/AMDTS:1 :: NIL	1)						
SEE A	ATTACHED DOCUMENTS AS APP	LICABLE FOR WORK PERFORMED						
	D ed design data a	ove were manufactured in conforn nd are in a condition for safe oper data specified in Block 12.	-	14a. (gl 14 CFR 43.9 Return to Se Certifies that unless otherwise spec described in Block 12 was accompl Regulations, part 43 and in respect to	ified in Block 12, the wished in accordance w	rith Title 14, Code of Federal		
13b. A	uthorized Signature:	3c. Approval/A	uthorization No.:	14b. Authorized Signature:	, 1&	4c. Approval/Certificate No.: FT4Y192M		
r	inted):	113e. <b>Date</b>	e(dd/mmm	14d. Name (Typed or Printed):  Tan Chat Pang		14e. Date (dd/mmm/yyyy): 16/OCT/2017		
It is im	portant to understand that the	existence of this document alone		r Responsibilities	nine/propeller/article. W	/here the user/installer performs work in	_	

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 SP ecified in Block1, it is essential that the user/installer ensures that his/her airworthiness a uthority accepts a ircraft engine(s)/propeller(s)iarticle(s) from the airworthiness authorit}! of the country specified in Block1. Statements in Blocks 13a and 14a do not constitute installation certifie ation. Jo all cases airclaft 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

Approving Competent Authority/Country		2. AUTH	3. Form Tr cking u"!1ber 20170003776430Y02		
EASA			EASA FORM 1		330041083
4. Organisa	ation Name and Address: Honeywe (Gui Circl 161 Gui C Singapore	e) Circle	LAGA FORM T		5. Work Order/Contract/Invoice 10453748 330006248 Page 1 of 1
6. Item	7. Description	8. Part No	9. Qty	10. Serial No.	11. Status/Work
001	PNEUMA.TIC CLUSTER ASSY	3884863-7	1	P-1525	REPAIRED
ORI P302 TR 49-4 CSR TSR	2-15 Rev 5, FEB/23/2010 260 Rev-, APR/05/2004 HH.DD (HH:MM) 0.00 0.00 (0:00) SSUE/AMDTS:1 L				
	s that the items identified above were more design data and are in condition data specified in blo	n for safe operation	and described in bl	ther regulation specified in block 12 the work identified in block 11 cordance with Part-145 and in for release to service.	
13b. Authori	ised Signature		14b. Authorised Sign	•	14c. Certificate/Approval Ref. No EASA.145.0076
	1	3e. Date (dd mmm yyyy)	I14d. Name		14e. Date (dd mmm yyyy)
			Tan Chat Pang		16 OCT 2017
This certificate Where the use ensures that h Statements In	LER RESPONSIBILITIES adoes not automatically constitute authority to ernnstaller performs work in accordance with mis/her airworthiness authority accepts items ablocks 13a and 14a do not constitute Installate the user/Installer before the aircraft may be fl	regulation of an airworthiness authority differe from the airworthiness authority specified Ir ion certification. In all cases aircraft maintena	block 1.		

1. Cou	ntry 2.	CIVIL AVIATION AUTI	HORITY OF SING	APORE		3. Form 7	Tracking Numl	oer: _
	SINGAPORE AU	JTHORIZED REL CAAS	EASE CERT	ΓIFICATE		i6 g	<b>6</b> 1a42avo	6
4. Org	anization Name and Address: Honeywell Aerospa (Gui Circle) 161 Gui Circle Singapore 629619	ce Singapore Pte Ltd	Repair Station AWI/38			5. Work 0 1045374 330006 Page 1	48 248	VInvoice Number:
6.ltem:	7. Description:	8. Part Number:		9. Eligibility:*	0. Quantity:	11. Serial / Bato	ch Number.	12. Status / Work:
001	VALVE ASSY,ATS CONT	3283076-5		N/A	1	1578		REPAIRED
13. Re	marks :			<u> </u>				
CMM 4	ERVICE SPECIFIED HAS BEEN ACCOMPLISHED IN 9-52-19 Rev 3, APR/30/2007 01466 Rev-, MAR/12/2012	N ACCORDANCE WITH:						
OKI W	01400 Rev-, MAR/12/2012							
	HH.DD (HH:MM)							
CSR TSR	0.00							
SEE A'	ITACHED DOCUMENTS AS APPLICABLE FOR WORK PERFY	DRMED						
<.ts::,	PARTS     ms identified above were manufactured in condition for the property of the prop	or safe operation	Certi es th_at unl described in Block	0 Release to Se ess otherwise sp x13 was accomplisi	fied i_n Block 13, ned in accordance	regulation specifi the ork identified in with SAR 145 and in red ready for releas	n Block.12 a d. the Air Navigatio	
15. Au	thorized Signature:		20. Authorized	Signature:		12	21. CAAS App	roval No.:
					,	<i>1•e</i> ,	AWI/38	
	18. Date {c	ld mmm yyyy	122. Name (Type	ed or Printed):		12	23. Date (dd m	mm yyyy):
	1		Tan Chat Par	ng		1	16 OCT 2017	•
<ol><li>VI/her Authority</li></ol>	nportant to understand that the existence of the Certificate alone do re the usernnstaller works in accordance with the national regulatior, accepts parts/components/assemblies from the CAAS. ments 14 and 19 do not constitute installation certification. In all cas	es not automatically constitute authority as of an Airworthiness Authority different	from the Civil Aviation Auth	assembly. ority of Singapore(C	,			

Authority/Country:  FAA/United States		2. AUTHO	AG	3. Form Tracking N,umber: 20170003776425Y03 330054080 5. Work Order/Contract/Invoice Number:				
4. Organization Name and Address: Honeywell Aerospace Singapore Pte Ltd (Gui Circle) 161 Gui Circle Singapore 629619				Repair Station FT4Y192M	5. Work Order/Contract/Invoice Number: 10453748 330006248 Page 1 of 1			
6. Item	7. Descriotion:		8. Part Number:	9. Quanti	10. Serial Number	er: 1	1. Status / Work:	
001	VALVE ASSY,ATS CONT		3283076-5	1	1578	F	REPAIRED	
12.	Remarks:			•	-			
CMM	SERVICE SPECIFIED HAS E 49-52-19 Rev 3, APR/30, W01466 Rev-, MAR/12/2		DANCE WITH:					
	HH.DD (HH:MM	)						
CSR TSR	0.00 0.00 (0:00)							
SEE A	ATTACHED DOCUMENTS AS APP:	LICABLE FOR WORK PER ORMED						
	· les the items identified abo	ove were manufactured in conform	nity to:	4a. 14 CFR 43.9 Return to	Service $\operatorname{D}$ Other	regulation specified	l in Block 12	
D ved design data and are in a co'ndition for safe operation.  D Non-appro esign data specified in Block 12.				Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.				
13b. A	uthorized Signature:	13c. Approval/A	uthorization No.: 1	4b. Authorized Signature:	,°9'{ <u>t</u> c'		al/Certificate No.:	
13d. N	ame (Typed of Printed):	13e. Date(dd/mr	nm/yyyy): 1	4d. Name (Typed or Printed):		14e. Date (c	ld/mmm/yyyy):	
				Tan Chat Pang			16/OCT/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 count!Y SP.ecified 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 authori of the country SJ?.eciffed 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.

NSN: 0052-00-012-9005 FM FORM 8130-3 (02-14)

1. Approving	g Competent Authority/Country	2. AUTH	IORISED RELEA	SE CERTIFICATE	3. Form Tr cking u'Y'ber 20170003776424Y02
EASA			330054080		
4. Organisat	i <b>on Name and Address</b> : Honeywell A (Gui Circle) 161 Gui Cir Singapore 6	cle	5. Work Order/Contract/Invoice 10453748 330006248		
	3.7.				Page 1 of 1
6. Item	7. Description	8. Part No	9. Qty	10. Serial No.	11. Status/Work
001	VALVE ASSY, ATS CONT	3283076-5	1	1578	REPAIRED
CMM 49-52	SICE SPECIFIED HAS BEEN ACCOMPLIANCE OF THE PROOF OF THE	SHED IN ACCORDANCE WITH:			

<ul> <li>,es that the items identified above were manufactured in conformity to: appro design data and are in condition for safe operation data specified in block 12</li> </ul>	14a i;zJ Part-145.A.50 Release to Service D Other regulation specified in block 12 Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, was accomplished in accordance with Part-145 and in respect to that work the items are considered ready for release to service.				
13b. Authorised Signature	14b. Authorised Signature  . $\overline{w}_{t(t)}$ QC :S-75	14c. Certificate/Approval Ref. No  EASA.145.0076			
1138. Dale (dd mmm yyyy)	14d. Name  Tan Chat Pang	14e. Date (dd mmm yyyy)  16 OCT 2017			

### USERRNSTALLER RESPONSIBILITIES

This certificate does not automatically constitute authority to Install the item(s).

Where the usernnstaller performs work in accordance with regulation of an ahworthlness authority different than the abworthlness authority specified In block 1, It is essential that the usernnstaller ensures that his/her airworthiness authority accepts items from the airworthiness authority specified in block 1.

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 tha user/installer before the aircraft may be flown.

1. Cour	SINGAPORE		RIZED REI		Y OF SINGAPORE SE CERTIFICATE )95				ber: 06	
4. Orga	nization Name and Addres	s: Honeywell Aerospace Singapo (Gui Circle) 161 Gui Circle Singapore 629619	ore Pte Ltd	Repair Station AWI/38	•			5. Work Order/Contract/Invoice Number: 10453748 330006248 Page 1 of 1		
6.ltem:	7. Description:		8. Part Number:		9. Eligibility:*	10. Quantity:	11. Seria	al/Batch Number:	12. Status/ Work:	
001	MOTOR OUTLINE, D	DIRECT CURRENT	2704442-5		NIA	1	1234		OVERHAULED	
CMM 49		BEEN ACCOMPLISHED IN ACCORU 8/2014	DANCE WITH:							
TSO CSO TSR CSR SERIES MODS:	HH.DD (HH:MI 0.00 (0:00) 0.00 0.00 (0:00) 0.00 6/ISSUE/AMDTS:2 NIL	<i>'</i>								
SEE AT	I'ACHED DOCUMENTS AS AI	PPLICABLE FOR WORK PERFORMED								
Certifies	^	e were manufactured in conformity to: ta and are in condition for safe operat data specified in Block 13		Certifies that unle	O Release to Se	fied in Block 13, th	e work ident	n specified in Block 1: tified in Block 12 and 45 and the Air Navigatic or release to service.		
15. Auth	norized Signature:			20. Authorized	Signature:		i W . ) C1 16,::	121. CAAS App <b>AWI/38</b>	oroval No.:	
<b>1/.</b> Na	ime nted):	118. Date (dd mmm y	yyy)='	122. Name (Type	d or Printed):			23. Date (dd r	nmm yyyy):	
				Tan Chat Pan	g			16 OCT 201	7	
				taller Responsibilitie						
<ol> <li>'Miera'</li> <li>Authority</li> <li>Statem</li> </ol>	the user/installer works in accord accepts parts/components/asse	istence of the Certificate alone does not autom lance with the national regulations of an Airwo emblles from the CAAS. Installation certification. In all cases, the aircra	rthiness Authority different	from the Civil Av1 ation Author	rity of Singapore(CA	•				

Authority/Country:			JTHORIZED RELEASE CERTIFICATE Form 8130-3, AIRWORTHINESS APPROVAL TAG					g Number: , 310Y03
4. Org	anization Name and Addre	ss: Honeywell Aerospace S (Gui Circle) 161 Gui Circle Singapore 629619	ingapore Pte Ltd	Repair Station FT4Y192M			5. Work Order/C 10453748 330006248 Page 1 of 1	Contract/Invoice Number:
6.ltem	: 7. Description:		8. Part Number:		9. Quantih'_:	1O. Serial Numb	per:	11. Status /Work:
001	MOTOR OUTLINE, DI	RECT CURRENT	2704442-5		1	1234		OVERHAULED
CMM	SERVICE SPECIFIED HA 49-42-02 Rev 5, APR/ 9-6 CMM 49-42-02 HH.DD (HH:		ACCORDANCE WITH:					
TSO CSO	O. OO (O: 00 O. 00	<i>'</i>						
	0.00 (0:00 0.00 TES/ISSUE/AMDTS:2 S: NIL	)						
SEE A	ATTACHED DOCUMENTS AS A	APPLICABLE FOR WORK PERPO	RMED					
	D ed design da	above were manufactured in cuta and are in a condition for saying data specified in Block 12.	•	Certifies that unles described in Block	12 was accomp	Service D Other cified in Block 12, the blished in accordance to that work, the ite	e with Title 14, Co	Block 11 and de of Federal
13b. A	uthorized Signature:	3с. Арр	proval/Authorization No.:	14b. Authorized Si	gnature:	:1w i ,;	14c. Appi <b>FT4Y19</b>	roval/Certificate No.:
113d.	Nam Printed):	13e. D	ate(dd/mmm/y	114d.Name (Typed	or Printed):		14e. Date	e (dd/mmm/yyyy):
	,			Tan Chat Pang	,		16/OCT	7/2017

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 authori different than the airworthiness authority of the country specified in Block1, it is essential that the user/installer ensures that his/her airworthiness aut. hority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authoriw. of the country SJ? eciffed in Block1. Statements in Blocks 13a and 14a do not constitute ins tallation certificall. on. In all cates aircl aft maintenance records must contain an installation certification issued in accordance with the national reaulations by the user/installer before the aircraft may be JJown.

FAA FORM 8130 - 3 (02-14) NSN: 0052-00-012-9005

1. Approvii	ng Competent Authority/Country	2. AUTHOR	ISED RELEASE	CERTIFICATE	3. Form Tr cking Number 20170003776309Y02 330053347	
L/ (O/ (			EASA FORM 1			
4. Organis	sation Name and Address: Honeywell A (Gui Circle) 161 Gui Circ Singapore 6	cle	le			
6. Item	7. Description	8. Part No	9. Qty	10. Serial No.	11. Status/Work	
001	MOTOR OUTLINE, DIRECT CURRENT	2704442-5	1	1234	OVERHAULED	
TSO CSO TSR	0.00 {O: 00) 0.00 <b>O</b> · 00 (0:00)					
CSO TSR CSR	0.00 <b>O</b> 00 (0:00) 0.00 /ISSUE/AMDTS:2					
CSO TSR CSR SERIES/ MODS: NO	0.00 <b>O</b> 00 (0:00) 0.00 /ISSUE/AMDTS:2	for safe operation	Certifies that unless o and described in block	O Release to Service $D$ Other therwise specified in block 12, t 12, was accomplished in accomplished are considered ready for	ordance with Part-145 and in	
CSO TSR CSR SERIES/ MODS: N:	0.00  O 00 (0:00)  0.00  /ISSUE/AMDTS:2  IES that the items identified above were man appro design data and are in condition for the condition of the condition	for safe operation	Certifies that unless o and described in block	therwise specified in block 12, x 12, was accomplished in accomplished in accomplished in accomplished in accomplished in accomplished in accomplished in accomplished in block 12, accomplished in block 12, accomplished in block 12, accomplished in block 12, accomplished in block 12, accomplished in block 12, accomplished in block 12, accomplished in block 12, accomplished in block 12, accomplished in block 12, accomplished in	the work identified in block 11 ordance with Part-145 and in	
CSO TSR CSR SERIES/ MODS: N:	0.00 O 00 (0:00) 0.00 /ISSUE/AMDTS:2 III  Tes that the items identified above were man appro design data and are in condition fron-approved data specified in block prised Signature	for safe operation	Certifies that unless o and described in block respect to that work the	therwise specified in block 12, x 12, was accomplished in acco	the work identified in block 11 ordance with Part-145 and in or release to service.  4c. Certificate/Approval Ref. No	

This certificate does not automatically constitute authority to install the Item(s).

Where the usernnstaller performs work in accordance with regulation of an airworthiness authority different than the airworthiness authority specified in block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts Items from the airworthiness authority specified In block 1.

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.

r• Cour	1	HORIZED RE		_	Ē	3. Form Tracking Num 20170003776317Y 330054122	
4. Orga	nization Name and Address: Honeywell Aerospace Sin (Gui Circle) 161 Gui Circle Singapore 629619	gapore Pte ltd	Repair Station AWI/38			5. Work Order/Contra 10453748 330006248 Page 1 of 1	cVInvoice Number:
6.ltem:	7. Description:	8. Part Number:		9. Eligibility:*	110. Quantity:	I11. Serial / Batch Number:	I12. Status / Work
001	ACTUATOR, INLET GUIDE VANE	3883499-3		N/A		1552	INSPECTED/ TESTED
	TACHED DOCUMENTS AS APPLICABLE FOR WORK PERF-:IRME	ED					
.,,C1L	<ul> <li>AI PARTS</li> <li>ems identified above were manufactured in conform</li> </ul>	nity to:	19. USED <b>PAR</b>		rvice D Other	regulation specified in Block	13
	Appro esign data and are in condition for safe of Non-approved data specified in Block 13	•	Certifies that unle described in Bloo	ess otherwise speci k13 was accomplis	fied in Block 13, the	e work Identified in Block 12 and with SAR 145 and the Air Navigat ered ready for release to service.	
15. Autl	horized Signature: Appr	roval No.:	20. Authorized		'fI' o 0 ,	21. CAAS Ap	proval No.:
_	<b>ed):</b> 118. 1	Date (dd mmmY	YYY 22. Name (Typ	ed or Printed):		23. Date (dd	mmm yyyy):

Tan Chat Pang

16 OCT 2017

- User / Installer Responsibilities

  1. It Is Important to understand that the existence of the Certificate alone does not automatically constitute authority to install the part/component/assembly.

  2. Where the user/installer works in accordance with the national regulations of an Airworthiness Authority different from the Civil Aviation Authority of Singapore(CAAS), it is essential that the user/Installer ensures that his/her Airworthiness Authority accepts parts/components/assemblies from the CAAS.

  3. Statements 14 and 19 do not constitute installation certification. In all cases, the aircraft maintenance record must contain an Installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

FAA	ority/Country: /United States		8130-3, AIRWO	REASE CERTIFICATE  REPAIR Station	3. Form Tracking N,umber: 20170003776316Y03 330054722 5. Work Order/ContracUlnvoice Number:			
	ì	Gui Circle) 61 Gui Circle Singapore 629619		FT4Y192M		10453748 330006248 Page 1 of 1		
6. ltem:	7. Description:		8. Part Number:	9. Quanti	10. Serial Numb	er: 11. Sta	atus / Werle	
001	IACTUATOR, INLET GUIDE	E VANE	3883499-3	1	1552		ECTED	
UNIT	TESTED.							
SEE A	TTACHED DOCUMENTS AS APPLI	ICABLE FOR WORK PERFORMED  Ve were manufactured in confor	rmity to:	14a. 14 CFR 43.9 Return to Ser	vice D Other	regulation specified in Bl	lock 12	
	D ed design data ar	ata specified in Block 12.	,	Certifies that unless otherwise specific described in Block 12 was accomplis Regulations, part 43 and in respect to	ed in Block 12, the hed in accordance	work identified in Block 1 with Title 14, Code of Fe	1 and ederal	
13b. A	uthorized Signature:	13c. Approval/	Authorization No.:	14b. Authorized Signature:		14c. Approval/Ce	rtificate No.:	
			_		lowct	FT4Y192M		
13d. N	ame (Typed of Printed):	13e. Date(dd/n	nmm/yyy <del>y)</del> ;	14d. Name (Typed or Printed):		14e. Date (dd/mn	nm/yyyy}:	
				Tan Chat Pang	16/OCT/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)iarticle(s) from the airworthiness authori 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

	g Competent Authority/Country	2. AUTH	ORISED RELEA	ASE CERTIFICATE	3. Form Tr cklng N_un_,ber 20170003776315Y02 330054722
EASA			EASA FORM 1		330034722
4. Organisat	tion Name and Address: Honeywell A {Gui Circle 161 Gui Ci Singapore	) rcle	cle		
6. Item	7. Description	8. Part No	9. Qty	10. Serial No.	11. Status/Work
001	ACTUATOR, INLET GUIDE VANE	3883499-3	1	1552	INSPECTED/ TESTED
· re	es that the items identified above were ma	anufactured in conformity to:			her regulation specified in block 12
apı	pro design data and are in condition f data specified in bloc		and described in l	ess otherwise specified in block 12 block 12, was accomplished in acc ork the items are considered ready	ordance with Part-145 and in
13b. Authoris	sed Signature		14b. Authorised Się	gnature "J-1/fir. ::'.9°	14c. Certificate/Approval Ref. No  IEASA.145.0076
1/	13	e. Date (dd mmm yyyy)	114d. Name Tan Chat Pang		14e. Date (dd mmm yyyy) 16 OCT 2017
	ER RESPONSIBILITIES does not automatically constitute authority to Ir	istall the Item(s).			
	ernnstaller performs work in accordance with re- Islher airworthiness authority accepts Items from			specified in block 1, It is essential that	the user/Installer
Statements In	blocks 13a and 14a do not constitute Installation	on certification. In all cases aircraft maintena	nce records must contain an Insta	allation certification Issued In accordance	e with the national

regulations by the user/Installer before the aircraft may be flown.

1. Cou	SINGAPORE		CIVIL AVIATION AUTHORITY OF SINGAPORE AUTHORIZED RELEASE CERTIFICATE CAAS(AW)95					3. Form Tracking Number: 20170003776323Y06 330053522		
4. Orga	anization Name and Address	s: Honeywell Aerospace Singapo (Gui Circle) 161 Gui Circle Singapore 629619	ore Pte Ltd Repair Station AWI/38			5. Work Order/ContracVInvoice Number: 10453748 330006248 Page 1 of 1				
6.ltem:	7. Description:		8. Part Number:		9. Eligibility:*	110. Quantity:	111. Se	erial / Batch Number:	12. Status/ Work:	
001	FUEL CLUSTER		3879008-1		N/A	1	CUA	UA11725 INSPECT TESTED		
CMM 4 UNIT :	9-31-71 Rev 8, FEB/22 TESTED.	BEEN ACCOMPLISHED IN ACCORDS 2/2012  PLICABLE FOR WORK PERFORMED								
	Appro esign data Non-approved	e were manufactured in conformity to: a and are in con dition for safe operated data specified in Block 13		Certifies that unles described in Block	50 Release to Sess otherwise speci	ified in Block 13, the shed in accordance	e work ic	tion specified in Block 13 dentified in Block 12 and R 145 and the Air Navigatio dy for release to service.		
15. Aut	thorized Signature:	Approval N	10.:	20. Authorized S	Signature:	l	$l\overset{'^{IW}}{a}\overset{c}{c}$	121. CAAS App <b>AWI/38</b>	roval No.:	
		18. Date (dd m	nmm yyyy	122. Name (Туре	ed or Printed):			23. Date (dd m	ımm yyyy):	
		1		Tan Chat Pan	g			16 OCT 2017	7	
<ol><li>Where Authority</li></ol>	e the user/installer works in accorda y accepts parts/components/assen	istence of the Certificate alone does not autom dance with the national regulations of an Airwo mblies from the CAAS. installation certification. In all cases, the aircra	natically constitute authority orthiness Authority different	t from the Civil Aviation Autho	/assembly. ority of Singapore(C	,.				

aircraft may be flown.

	roving Civil Aviation	2. AUTH	ORIZED RELEAS	SE CERTIFIC	CATE		3. Form Tracking 201700037763		
	/United States	FAA Form	1 8130-3, AIRWORTH	INESS APPRO	VAL TAG	6	330053522		<b>-</b>
4. Org	anization Name and Address:	: Honeywell Aerospace Singap (Gui Circle) 161 Gui Circle Singapore 629619	ore Pte Ltd	Repair Station FT4Y192M				ontract/Invoice Number:	i ==== iiiiiii
6.ltem:	7. Description:		8. Part Number:	9. Q	uanti	10. Serial Numbe	er:	11. Status / Work:	1 -
001	FUEL CLUSTER		3879008-1			CUA11725		INSPECTED	
CMM	49-31-71 Rev 8, FEB/2	BEEN ACCOMPLISHED IN ACCO							
SEE ATTACHED DOCUMENTS AS APPLICABLE FOR WORK PERFORMED $. \   \text{les the items identified above were manufactured in conformity to:} \\ D \qquad \qquad \text{ed design data and are in a condition for safe operation.} \\ D \qquad \qquad \text{Non-appro} \qquad \text{esign data specified in Block 12.}$				4a. 14 CFR 43.9 certifies that unless oth escribed in Block 12 we regulations, part 43 and	as accomplish	ed in Block 12, the ed in accordance	with Title 14, Coo	Block 11 and le of Federal	
13b. A	uthorized Signature:	13c. Approval//	Authorization No.:	4b. Authorized Signatu	ire:	'<- W< '<' .:# QC,,	114c. Appi FT4Y192	roval/Certificate No.:	
13d. N	ame (Typed of Printed):	13e. Date(dd/m		4d. Name (Typed or Pran Chat Pang	rinted):		14e. Date	e (dd/mmm/yyyy):	

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 authori 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)

1. Approvi	ng Competent Authority/Country	2.			3. Form Tr cking Number
		AUTHO	DRISED RELEAS	SE CERTIFICATE	
EASA			EASA FORM 1		330053522
4. Organis	ation Name and Address: Honeywell (Gui Circle) 161 Gui Ci Singapore	) rcle	EASA FORW I		5. Work Order/Contract/Invoice 10453748 330006248
6. Item	7. Description	8. Part No	9. Qty	10. Serial No.	Page 1 of 1  11. Status/Work
001	FUEL CLUSTER	38?9008-1	). Qty	CUA11725	INSPECTED/ TESTED
. 16	es that the items identified above were ma	anufactured in conformity to:	14a hll Part-145 A	50 Release to Service O Ot	her regulation specified in block 12
. 16	design data and are in condition  data specified in bloc	n for safe operation	Certifies that unles and described in b	s otherwise specified in block 12 lock 12, was accomplished in ack the items are considered reach	t, the work identified in block 11 ccordance with Part-145 and in
13b. Author	ised Signature		14b. Authorised Sign	ature -cw iact 16.c.	14c. Certificate/Approval Ref. No  EASA.145.0076
	13	Be. Date (dd mmm yyyy)	14d. Name		14e. Date (dd mmm yyyy)
		`	Tan Ct.at Pang		16 OCT 2017
	LER RESPONSIBILITIES e does not automatically constitute authority to i	install the Item(s).			
	er/Installer performs work In accordance with re his/her airworthiness authority accepts Items from the second sec			pecified In block 1, It is essential that	the user/Installer
	n blocks 13a and 14a do not constitute Installation y the usernnstaller before the aircraft may be flo		ce records must contain an Installa	tion certification issued In accordance	with the national

1. Country SINGAPORE  2. CIVIL AVIATION AUTHORITY OF SINGAPORE AUTHORIZED RELEASE CERTIFICATE CAAS(AW)95  3. Fann Tracking Number:  2017000377533 wo5 330053309									
4. Orga		Honeywell Aerospace Singapo {Gui Circle) 161 Gui Circle Singapore 629619	ore Pte Ltd	AWI/38 1 3			10453 33000	. Work Order/ContracUInvoice Number: 10453748 330006248 Page 1 of 1	
6.ltem:	7. Description:		8. Part Number:		9. Eligibility:*	110. Quantity:	111. Serial / Ba	atch Number:	12. Status / Work:
001	SENSOR, LOW OIL QU	ANTITY	3876211-3		N/A	1	N/A		INSPECTED/ TESTED
CMM 4 UNIT 1 ALTER SERIE MODS:	9-93-11 Rev 0, NOV/19, TESTED. NATE SN OUTGOING: 9742 S/ISSUE/AMDTS:NIL	4-DTP1471	And will.						
Certifies	D Appro design data an Non-approved d	ere manufactured in conformity to: nd are in con dition for safe operar lata specified in Block 13	ion	Certi es at unles descnbed m Block Order and in resp	O Release to Se s otherwise sp ifie 13 was accomplish ect to that work the	ervice D Othe ed i_n Block 13, the ed m accordance v e items are consider	e work identified	in Block_12 a d he Air Nav1gat1o ase to service.	n
15. Aut	horized Signature:			20. Authorized \$	Signature:	t	?t	1. CAAS Ap <b>AWI/38</b>	proval No.:
17. Nar	me (Type rinted):	118. Date (dd	mmm yyyy	122. Name (Type	ed or Printed):			23. Date (dd	mmm yyyy):
				Tan Chat Pan	g			16 OCT 201	7
<ol> <li>Mlere</li> <li>Authority</li> <li>Staten</li> </ol>	the user/installer works in accordance accepts parts/components/assembl	nce of the Certificate alone does not autom we with the national regulations of an Airwo ies from the CAAS. tallation certification. In all cases, the aircr	atically constitute authority to rthiness Authority different fro	om the Civil Aviation Autho	/assembly. ority of Singapore{C	·			

1. Approving Civil Aviation Authority/Country:  FAA/United States		THORIZED RELEAS orm 8130-3, AIRWORTHI		20170	n Tracking N,umber:• 003776330Y03 3309
4. Organization Name and Addres	s: Honeywell Aerospace Si (Gui Circle) 161 Gui Circle Singapore 629619		Repair Station =T4Y192M	5. Worl 10453 33000 Page	6248
6.Item: 7. Description:		8. Part Number:	9. Quantity:	10. Serial Number:	11. Status / Work:
001 SENSOR, LOW OIL QU	JANTITY	3876211-3		NIA	INSPECTED
CMM 49-93-11 Rev 0, NOV/ UNIT TESTED. ALTERNATE SN OUTGOING: 9 SERIES/ISSUE/AMDTS:NIL MODS: NIL					
SEE ATTACHED DOCUMENTS AS A	PPLICABLE FOR WORK PERFOR	MED			

D ed design data and are in a condition for **safe** operation. Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and 0 sign data specified in Block 12. described in Block 12 was accomplished in accordance with Title 14, Code of Federal Non-approv Regulations, part 43 and in respect to that work, the items are approved for return to service. 13b. Authorized Signature: 13c. Approval/Authorization No.: 14b. Authorized Signature: 4c. Approval/Certificate No.: "--.W (\_ FT4V192M 13d. Name (Typed of Printed): 13e. Date(dd/mmm/yyyy): 14d. Name (Typed or Printed): 14e. Date (dd/mmm/yyyy): Tan Chat Pang 16/OCT/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.

FM FORM 8130-3 (02-14)

EASA	tion Name and Address: Honeywell Ae (Gui Circle) 161 Gui Circle Singapore 62	erospace Singapore Pte Ltd	ED RELEASE	CERTIFICATE	3. Form Tracking Number 20170003776329Y02 330053309  5. Work Order/Contract/Invoice 10453748 330006248 Page 1 of 1
6. Item	7. Description	8. Part No	·9. Qty	10. Serial No.	11. Status/Work
001	SENSOR, LOW OIL QUANTITY	3876211-3	1	N/A	INSPECTED/ TESTED
	SN OtrrGOING : 97424-DTP1471 SSUE/AMDTS:NIL				
арр	s that the items identified above were manu- oro esign data and are in condition for n-approved data specified in block 1	safe operation	Certifies that unless o and described in block	therwise specified in block 12	her regulation specified in block 12 2, the work identified in block 11 cordance with Part-145 and in for release to service.
13b. Authoris	ed Signature		14b. Authorised Signatu		14c. Certificate/Approval Ref. No
	13e. l	Date (dd mmm yyyy)	14d. Name		14e. Date (dd mmm yyyy)
USEMNSTALLF	R RESPONSIBILITIES		Tan Chat Pang		16 OCT 2017
This certificate Where the user ensures that his Statements In I	does not automatically constitute authority to Insta /Installer performs work In accordance with regula s/her airworthiness authority accepts Items from t	ation of an airworthiness authority different than the a			

1. Cou	ntry SINGAPORE		RIZED REL	HORITY OF SING LEASE CER'S(AW)95		<b>E</b>		3. Form Tracking Numb 20170003776342Y0 330052916		]:
4. Orga	anization Name and Address	Honeywell Aerospace Singapo (Gui Circle) 161 Gui Circle Singapore 629619	ore Pte Ltd	Repair Station AWI/38				5. Work Order/Contract 10453748 330006248 Page 1 of 1	t/Invoice Number:	
6.ltem:	7. Description:		8. Part Number:		9. Eligibility:*	10. Quantity:	11. Se	erial/ Batch Number:	2. Status/ Work:	1
001	COOLER		160488-2		NIA	1	1664	ı	INSPECTED/ TESTED	
UNIT	DO389 Rev A, JAN/22/2 TESTED.  IACHED DOCUMENTS AS APP	016 PLICABLE FOR WORK PERFJRMED								
15. Aut		were manufactured in conformity to: a and are in condition for safe operat data specified in Block 13		Certi es that unle described in Bloc	60 Release to Se ss otherwise specit k13 was accomplis sect to that work the	ied in Block 13, the	e ork ide with SA ered read	tion specified in Block 1 antified in Block 12 and . R 145 and the Air Navigatio by for release to service. 1. CAAS App	on	
						'i <sub>78</sub>	·	AWI/38		
		18. Date (dd n	nmm yyyy)	122. Name (Type	ed or Printed):			23. Date (dd r	nmm yyyy):	٦
		1		Tan Chat Par	ng			16 OCT 201	7	
<ol> <li>'Mlere Authority</li> <li>Staten</li> </ol>	the user/installer works in accordar accepts parts/components/asser	stence of the Certificate alone does not autom ance with the national regulations of an Airwo nblies from the CAAS. installation certification. In all cases, the aircra	natically constitute authority orthiness Authority differen	t from the Civil Aviation Author	t/assembly. ority of Singapore(C	,,				

Auth	roving Civil Aviation nority/Country: //United States		RIZED RELEAS 8130-3, AIRWORTHII	E CERTIFICATE NESS APPROVAL TAG		3. Form Tracking 201700037763 330052916	•	
	anization Name and Address:	Honeywell Aerospace Singapo (Gui Circle) 161 Gui Circle Singapore 629619		Repair Station T4Y192M		5. Work Order/C 10453748 330006248 Page 1 of 1	ontract/Invoice Number:	aiiii
6.ltem:	7. Descriotion:		8. Part Number:	9. Quanti	10. Serial Numbe	r:	11. Status I Work:	$\dashv$
	COOLER		160488-2	1	1664		INSPECTED	
ORI	49-94-22 Rev 1, OCT/30 R00389 Rev A, JAN/22/20 TESTED.							
SEE A	ATTACHED DOCUMENTS AS APPI	LICABLE FOR WORK PERFORMED						
	D ed design data a	ve were manufactured in conforminand are in a condition for safe operated aspecified in Block 12.	Ce des	a. [gj 14 CFR 43.9 Return to Serv rtifies that unless otheiwise specified cribed in Block 12 was accomplish gulations, part 43 and in respect to t	d in Block 12, the vector of the contract of t	with Title 14, Cod	Block 11 and de of Federal	
13b. A	uthorized Signature:	13c. Approval/Al	ithorization No.:	o. Authorized Signature: t,,;f;;jt;z	<i>Wt</i> <;, <b>{</b> •	14c. Appr	oval/Certificate No.:	
13d. N	ame (Typed of Printed):	13e. Date(dd/mr	nm/yyyy): 14	d. Name (Typed or Printed):		14e. Date	(dd/mmm/yyyy):	
		1	Та	n Chat Pang		16/OCT/	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 aiiworthiness authority different than the aiiworthiness authority of the country specified in Block1, it is essential that the user/installer ensures that his/her aiiworthiness authority accepts aircraft engine(s)/propeller(s)larticle(s) from the aiiworthiness authori 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.

1. Approvin	g Competent Authority/Country	2. AUTHORIS	ED RELEA	SE CERTIFICATE	3. Form Tr cklng un:iber 20170003776339Y02	=
EASA					330052916	
		E	EASA FORM 1			iiiii
4. Organisa	tion Name and Address: Honeywell A	erospace Singapore Pte ltd			5. Work Order/Contract/Invoice	111111111
	(Gui Circle) 161 Gui Circ	le			10453748	=
	Singapore 6				330006248	
					Page 1 of 1	
6. Item	7. Description	8. Part No	9. Qty	10. Serial No.	11. Status/Work	l
001	COOLER	160488-2	1	1664	INSPECTED/ TESTED	
						l
40						4

# 12. Remarks

THE SERVICE SPECIFIED HAS BEEN ACCOMPLISHED IN ACCORDANCE WITH: CMM 49-94-22 Rev 1, OCT/30/2004 ORI R00389 Rev A, JAN/22/2016 UNIT TESTED.

<ul> <li>res that the items identified above were manufactured in conformity to: appro esign data and are in condition for safe operation non-approved data specified in block 12</li> </ul>	14a 1;21 Part-145.A.50 Release to Service $D$ Otl Certifies that unless otherwise specified in block 12, and described in block 12, was accomplished in accrespect to that work the items are considered ready	ordance with Part-145 and in
13b. Authorised Signature	14b. Authorised Signature	j 14c. Certificate/Approval Ref. No EASA.145.0076
13e. <b>Date(dd</b> mmmyyyy)	14d. Name  Tan Chat Pang	14e. Date (dd mmm yyyy) 16 OCT 2017

## USER/INSTALLER RESPONSIBILITIES

This certificate does not automatically constitute authority to Install the item(s).

Where the usernnstaller performs work in accordance with regulation of an airworthiness authority different than the airworthiness authority specified in block 1, it is essential that the usernnstaller ensures that his/her airworthiness authority accepts items from the airworthiness authority specified in block 1.

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 userlinstaller before the aircraft may be flown.

1. Cou	ntry	2. <b>CI</b>	VIL AVIATION A	UTHORITY OF SING	APORE		3. Form Tracking Num	ber:	_
;	SINGAPORE	AUTH		LEASE CER <sup>T</sup> AS(AW)95	ΓIFICATE	<u> </u>	g <b>6</b> bg 16338Yo	е	<u>=</u> :
4. Orga	nization Name and Address:	Honeywell Aerospace Singa (Gui Circle) 161 Gui Circle Singapore 629619	pore Pte Ltd	Repair Station AWI/38 i :			5. Work Order/Contract 10453748 330006248 Page 1 of 1	ct/Invoice Number:	
6.ltem:	7. Description:		8. Part Number:		9. Eligibility:*	110. Quantity:	11. Serial / Batch Number:	12. Status I Work:	
001	I! APU OIL TEMP VALVE	<u> </u>	160536-1		NIA	1	1508	INSPECTED/ TESTED	
CMM 4 UNIT		BEEN ACCOMPLISHED IN ACCO	RDANCE WITH:						

SEE Altached Documents as applicable for work performed

PARTS  ms identified above were manufact  Appro esign data and are in cor  data specified	ndition for safe operation	19. USED PARTS    8   SAR-145.50 Release to Service D Or Certifies that unless otherwise specified in Block described iniBlock13 was accomplished in accord. Order and in respect to that work the items are constituted.	13, the work identified ance with SAR 145 and	in Block 12 and d the Air Navigation
15. Authorized Signature:	16. CAAS Approval No.:	20. Authorized Signature:	·	1. CMS Approval No.:
			{WE: <3.oc.f	AWI/38
17. Name (Typed or Printed):	18. Date (dd mmm yyyy):	22. Name (Typed or Printed):		23. Date (dd mmm yyyy):
		Tan Chat!Pang		16 OCT 2017

User/Installer Responsil>ilities

- 1. It is important to understand that the existence of the Certmcate alone does not automaticany constitute authority to Install the part/co ponent/assembly.

  2. "Milere the user/Installer works in accordance with the national regulations of an Airworthiness Authority different from the Civil Aviation Authority of Singapore(CAAS), it is essential that the user/Installer ensures that his/her Airworthiness Authority accepts parts/components/assemblies from the CAAS.

  3. Statem nts 14 and 19 do not constitute installation certification. In all cases, the aircraft maintenance record must contain an installation certification issued in accordance with the national regulations by the user/installer before the
- aircraft my be flown.

Auth	oving Civil Aviation ority/Country: /United States		_	E CERTIFICATE NESS APPROVAL TA	<b>A</b> G	3. Form Trackin 20170003776: 330052918	-
4. Orga	nization Name and Address	: Honeywell Aerospace Singapo (Gui Circle) 161 Gui Circle Singapore 629619		Repair Station FT4Y192M		5. Work Order/0 10453748 330006248 Page 1 of 1	Contract/Invoice Number:
6.ltem:	7. DescriDtion:		8. Part Number:	9. Quantity:	10. Serial Num	nber:	11. Status / Work:
001	APU OIL TEMP VALVE		160536-1	1	1508		INSPECTED
	emarks:	BEEN ACCOMPLISHED IN ACCOR	DANCE MINI.				
CMM 4	19-94-26 Rev 3, DEC/29/2 TESTED. ES/ISSUE/AMDTS:2		NUANCE WITH:				
SEE A	TTACHED DOCUMENTS AS APP	LICABLE FOR WORK PERFORMED					

. les the items identified above were manufa D ed design data and are in a cond D Non-approv esign data specified in Blo	dition for safe operation.	$\begin{array}{llllllllllllllllllllllllllllllllllll$	Title 14, Code of Federal
13b. Authorized Signature:	13c. Approval/Authorization No.:	14b. Authorized Signature:	114c. Approval/Certificate No.: FT4Y192M
13d. Name (Typed of Printed):	13e. Date(dd/mmm/yyyy):	14d. Name (Typed or Printed):  Tan ChatjPang	14e. Date (dd/mmm/yyyy): 116/OCT/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 SP.ecified 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

EASA	g Competent Authority/Country tion Name and Address: Honeywell A		RISED RELEAS  EASA FORM 1	E CERTIFICATE	3. Form Tracking Number 20170003776336Y02 330052918  5. Work Order/Contract/Invoice
	(Gui Circle) 161 Gui Circ Singapore 62				10453748 330006248 Page 1 of 1
6. Item	7. Description	8. Part No	9. Qty	10. Serial No.	11. Status/Work
001	APU OIL TEMP VALVE	160536-1	1	1508	INSPECTED/ TESTED
UNIT TES SERIES/IS	SSUE/AMDTS:2				
арр	that the items identified above were manuoro esign data and are in condition for happroved data specified in block	safe operation	and described in blo	otherwise specified in block 12 ck 12, was accomplished in act the items are considered ready	cordance with Part-145 and in
13b. Authoris	ed Signature		14b. Authorised Signa	iture : ऄंट i,63/	14c. Certificate/Approval Ref. No .SA.145.0076
	13e.	Date (dd mmm yyyy)	14d. Name		14e. Date (dd mmm yyyy)
			Tan Chat Pang		1E OCT 2017

# USER/INSTALLER RESPONSIBILITIES

This certificate does not automatically constitute authority to install the item(s).

Where the user/Instatlar performs work in accordance with regulation of an airworthiness authority different than the airworthiness authority specified in block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts items from the airworthiness authority specified in block 1.

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.

Station
10453748 330006248 Page 1 of 1 9. Eligibility:* 10. Quantity: 11. Serial/Batch Number: 12. Status/Work:
N/A 1 1668 REPAIRED
SAR-145.50 Release to Service D Other regulation specified in Block 13. ertifies that unless otherwise specified in Block 13, the work ide: titified in Block 12 and scribed in Block13 was accomplished in accordance with SAR 145 and the Air Navigation der and in respect to that work the items are considered ready for release to service.
D. Authorized Signature: 21. CAAS Approval No.:  AWI/38
2. Name (Typed or Printed):  23. Date (dd mmm yyyy):
an Chat Pang 16 OCT <b>2017</b> sponsibilities
Ce des Orri

1. Approving Civil Aviation Authority/Country:  FAA/United States	FAA Form 8130-	ED RELEASE CER		AG	3. Form Tracking N 2017000377636 330052974	•
Ì61	neywell Aerospace Singapore Pte L i Circle) Gui Circle gapore 629619	td Repair Static FT4Y192M	on		5. Work Order/Cor 10453748 330006248 Page 1 of 1	ntract/Invoice Number: i
6.Item: 7. Descriction:	8. Part	Number:	9. Quant'	10. Serial Numb	er:	11. Status / Work:
001 LUBE CLUSTER	41310	00-6		1668		REPAIRED
12. Remarks: THE SERVICE SPECIFIED HAS BEEN CMM 49-91-57 Rev 7, SEP/04/200		WITH:				
HH.DD (HH:MM)  CSR 0.00  TSR 0.00 (0:00)  SERIES/ISSUE/AMDTS:2  MODS: NIL						
SEE ATTACHED DOCUMENTS AS APPLICA	BLE FOR WORK PERFORMED					
	vere manufactured in conformity to: are in a condition for safe operation. specified in Block 12.	Certifies that un described in Blo Regulations, pa	ck 12 was accomp rt 43 and in respect	Service D Other cified in Block 12, the lished in accordance to that work, the item	with Title 14, Code ns are approved for	lock 11 and of Federal return to service.
13b. Authorized Signature:	13c. Approval/Authorizal	tion No.: 14b. Authorized	Signature:  • ■ • • • • • • • • • • • • • • • • •	~~Q,, 1.<";	14c. Approv	/al/Certificate No.:
13d. Name (Typed of Printed):	13e. Date(dd/mmm/yyyy	14d. Name (Typ Tan Chat Pan	,		14e. Date (	dd/mmm/yyyy): <b>)17</b>
	<u> </u>	Hear / Installer Beenensibilis	tion			

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 authoriw. 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

	g Competent Authority/Country	2. AUTHO	DRISED RELEA	SE CERTIFICATE	3. Form T cking un:aber 20170003776360Y02 330052974
EASA			EASA FQRM 1		
4. Organisa	{Gui Ći 161 Gu		LAGA I WIM I		5. Work Order/Contract/Invoice 10453748  330006248  Page 1 of 1
6. Item	7. Description	8. Part No	9. Qty	10. Serial No.	11. Status/Work
001	LUBE CLUSTER	4131000-6	1	1668	REPAIRED
CSR TSR	1-57 Rev 7, SEP/04/2007  HH.DD (HH:MM)  0.00  0.00 (0:00)  SSUE/AMDTS:2				
				t To Division to Diou	
	s that the items identified above we pro esign data and are in cond data specified in		Certifies that unles	A.50 Release to Service D Other ss otherwise specified in block 12, lock 12, was accomplished in accomplished in accomplished in accomplished in accomplished ready for the stems are considered ready for the stems are conside	, the work identified in block 11 rdance with Part-145 and in
13b. Authoris	ed Signature		14b. Authorised Sigr		14c. Certificate/Approval Ref. No  EASA.145.0076
113d. Na		13e. Date (dd mmm yyyy)	I14d. Name	1	14e. Date (dd mmm yyyy)
LICED/INIOTALL	ED DESDONGIBILITIES		Tan Chat Pang		16 OCT 2017
	ER RESPONSIBILITIES does not automatically constitute authority	to Install the item(s).			
		th regulation of an airworthiness authority different ems from the abworthlne&& authority spoclflod Ir		specified In block 1, It Is essential that the	e user/installer
Statements In	blocks 13a and 14a do not constitute insta	llation certification. In all cases aircraft maintenanc	e records must contain, an Installa	ation certification Issued In accordance w	with the national

regulations by the user/Installer before the aircraft may be flown.

. Country	2. AUTHON	RAZEDORÆU	MEASE OF EIRG	AHPICATE		325dr760T0868i763588	mber:
SINGAPORE		CAA	S(AW)95			330053804	
. Organization Name and Address:	: Honeywell Aerospace Singapo (Gui Circle) 161 Gui Circle Singapore 629619		Repair Station AWI/38			5. Work Order/Contra 10453748 330006248 Page 1 of 1	act/Invoice Number:
Item: 7. Description:		8. Part Number:		9. Eligibility:*	10. Quantity:	11. Serial/ Batch Number:	12. Status/ Worl
001 VALVE CHECK, APU		3202854-1		N/A	1	1401	REPAIRED
MM 49-53-69 Rev O, MAY/3		ANCE WITH:					
I W01053 Rev-, MAR/20/2							
HR.DD (HH:MM	M)						
R 0.00 (0:00)	PLICABLE FOR WORK PERFORMED						
R 0.00 (0:00)  E ATTACHED DOCUMENTS AS APP  VV PARTS			19. USED PAR	īs	D Out		40
R 0.00 (0:00)  E ATTACHED DOCUMENTS AS APP  VV PARTS  priffies  ms identified above	PLICABLE FOR WORK PERFORMED  were manufactured in conformity to: a and are in condition for safe operati	on	181 SAR-145. Certi es th_at unle:	50 Release to Se ss otherwise spe ifice	ed i_n Block 13, the	regulation specified in Block \_York Identified in Block_12 and.	
R 0.00 (0:00)  E ATTACHED DOCUMENTS AS APP  VV PARTS  priffies  ms identified above	were manufactured in conformity to:	on	181 SAR-145. Certi es th_at unle:	50 Release to Se ss otherwise spe ifice	ed i_n Block 13, the	regulation specified in Block \_York Identified in Block_ 12 and. e with SAR 145 and the Air Naviga ered ready for release to service	
vv PARTS entifies ms identified above D Appro esign data	were manufactured in conformity to: a and are in condition for safe operati		181 SAR-145. Certi es th_at unle:	50 Release to Sess otherwise spe ifice k13 was accomplisect to that work th	ed i_n Block 13, the	\_York Identified in Block_12 and. e with SAR 145 and the Air Naviga ered ready for release to service 121. CAAS A	ation e.
vv PARTS entifies ms identified above D Appro esign data	were manufactured in conformity to: a and are in condition for safe operati data specified in Block 13		181 SAR-145. Certi es th_at unlet described m Bloc Order and in resp	50 Release to Sess otherwise spe ifice k13 was accomplisect to that work th	ed i_n Block 13, the	\_York Identified in Block_ 12 and. e with SAR 145 and the Air Naviga ered ready for release to service	ation e.
EE ATTACHED DOCUMENTS AS APP   . vv PARTS ertifies . ms identified above .  D Appro esign data	were manufactured in conformity to: a and are in condition for safe operati data specified in Block 13	lo.:	181 SAR-145. Certi es th_at unlet described m Bloc Order and in resp	50 Release to Ses otherwise spe ifie k13 was accomplisect to that work th Signature:	ed i_n Block 13, the	\_York Identified in Block_ 12 and. e with SAR 145 and the Air Naviga ered ready for release to service  121. CAAS A  i ciJ AWI/38	ation e.

1. It is Important to understand that the existence of the Certificate alone does not automatically constitute authority to Install the part/component/assembly.

2. VI/here the user/Installer works in accordance with the national regulations of an Ailworthlness Authority different from the Civil Aviation Authority of Singapore(CAAS). it is essential that the user/installer ensures that his/her Airworthiness Authority accepts parts/components/assemblies from the CAAS.

3. Statements 14 and 19 do not constitute installation certification. In all cases, the aircraft maintenance record must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

Auth	roving Civil Aviation Ority/Country: VUnited States	AUTHORIZED REL FAA Form 8130-3, AIRWO	EASE CERTIFICATE ORTHINESS APPROVAL TA	<b>G</b> 3. F 20 330	Form Tracking N mber: 170003776370Y03 0053804
4. Org	anization Name and Address: Honeywell Ad (Gui Circle) 161 Gui Circle Singapore 629		Repair Station FT4Y192M	10 <sup>2</sup> 330	Work Order/Contract/Invoice Number: 453748 0006248 ige 1 of 1
6. Item	7. Description:	8. Part Number:	9. Quant'	10. Serial Number:	11. Status / Work:
001	VALVE CHECK, APU	3202854-1	1	1401	REPAIRED
THE CMM	Remarks: SERVICE SPECIFIED HAS BEEN ACCOMPL 49-53-69 Rev 0, MAY/31/2001 W01053 Rev-, MAR/20/2009  HH.DD (HH:MM) 0.00 0.00 (0:00)	ISHED IN ACCORDANCE WITH:			
SEE A	attached documents as applicable for w . les the items identified above were manuf $D$ ed design data and are in a con $D$ Non-approv sign data specified in I	factured in conformity to: dition for safe operation.	14a. [gi 14 CFR 43.9 Return to Se Certifies that unless otherwise specif described in Block 12 was accomplis	ied in Block 12, the work shed in accordance with	Title 14, Code of Federal
13b. A	authorized Signature:	13c. Approval/Authorization No.:	Regulations, part 43 and in respect to 14b. Authorized Signature:  C?	WE OF THE REM S AND THE REM S	14c. Approval/Certificate No.:  FT4Y192M
13d. N	lame (Typed of Printed):	13e. Date(dd/mmm/yyyy):	14d. Name-(Typed or Printed):		14e. Date (dd/mmm/yyyy):
			Tan Chat Pang		16/OCT/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 authori different than the airworthiness authority of the count!Y 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 SJ? eciffed in Block1. Statements in Blocks 13a and 14a do not constitute installation certification. Io 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)

	ng Competent Authority/Country	2. AUTH	ORISED RELEA	ASE CERTIFICATE	3. Form Tra cking N um ber 20170003776369Y02
EASA			EASA FORM 1		330033004
4. Organisa	ation Name and Address: Honeywo (Gui Circ 161 Gui C Singapor	ele)			5. Work Order/Contract/Invoice 10453748 330006248 Page 1 of 1
6. Item	7. Description	8. Part No	9. Qty	10. Serial No.	11. Status/Work
001	VALVE CHECK, APU	3202854-1	1	1401	REPAIRED
	HH.DD (HH:MM)				
CSR TSR	HH.DD (HH:MM) 0.00 0.00 (0:00)				
TSR	0.00	n for safe operation	Certifies that unles	ss otherwise specified in block 12, block 12, was accomplished in acco	ordance with Part-145 and in
· le	o.00 o.00 (0:00)  es that the Items identified above were n esign data and are in conditio	n for safe operation	Certifies that unles	ss otherwise specified in block 12, block 12, was accomplished in accord to the items are considered ready	the work identified in block 11 ordance with Part-145 and in

Where the user/Installer performs work In accordance with regulation of an airworthiness authority different than the airworthiness authority specified In block 1, It is essential that the usernnstaller ensures that his/her airworthiness authority accepts Items from the airworthiness authority specified In block 1.

Statements in blocks 13a and 14a do not constitute Installation certification. In all cases aircraft maintenance records must contain an InstallaUon certification Issued In accordance with the national regulations by the user/Installer before the aircraft may be flown.

Aut	roving Civil AvlaUon nority/Country: ./United States	2.	AUTHORIZED RE FAA Form <b>8130-3, AIRW</b>			.G	3. Fonn Trackin 20170003709 9001534777-1	523Y14
4.Orga	anization Name and Address:	HONEYWELL 1720 East Gra PHOENIX AZ					5. Work Order/0 #2age 175f017 - 0	Contract/Invoice Number:
6. ltem:	17. Description:		8. PartNumber: •		9. QuanUty:	10. Serial Num	l nber:	11. Status / Work:
001	SENSOR, TEMPERATUR	RE	70722134-1		6	NIA		NEW
	ALIZATION NOT REFERENC YWELL INTERNATIONAL IN		0 IS NOT REQUIRED OR TRACEABI FAA ORDER 8130.21	E BY				
13a. Ce		ita and are lna cond	dlUon for safe operaUon.	14a. 14CFR 4 Certifies that unless described in Block Regulations, part	otherwise speci	ifled In Block 12, the ed In accordance	work Ide <b>ntified in</b> with TIU <b>B 14.60</b> ems a <b>ved</b> f	Block 11 and de of Federal or return to service.
13b. <b>A</b> u	thorized Signature:	1	3c. Approval/Authorization No.:	14b. Authorized Sig	nature:		14c. App	roval/CertificateNo.:
	.,H L_		ODA-602216-NM					
	ame (Typed or Printed):  a Hughes		3a.Date (dcl/mmmlyyyy): 29/SEP/2017	14d. Name (Typed o	or Printed):		14e. Date	o(dd/minm/yyyy):
It IsImp aggorg C e r	oortant to understand that the dance with the partional regulations and a n case	existence of this do logs of an airworthings of an airworthings of a log of the state of the sta	User/ Insta ocument alone does not automaUcally การราช เป็นกรีบ ที่ โดยเกิด เป็นราช เป็นสมมัย เป็นราช เป็นสมมัย	aller Responsibilitie constitute authoritio Insta เป็นเครื่องเลิ้มเป็นให้เลือนให้เลือนให้เลือนให้เลือนให้เลือนให้เลือนให้เลือนให้เลือนให้เลือนให้เลือนให้เลือนใ เกาะระบรม เกาะระบรมเกาะระบบมีเกาะระบบมีเกาะระบบมีเกาะระบบมีเกาะระบบมีเกาะระบบมีเกาะระบบมีเกาะระบบมีเกาะระบบมีเ	II the aircraft end The Shrevitied in	ilne/P,ropellar/articl d iPBISKN: Slaensins muations by the	e. Where the user/ in that the user/in the user/in	installer performs work in Staller performs work in Staller performance in the stall such from the arrown may be nown. ISN: 0052 - 00 - 012 - 9005

Auth	oving Civil Aviation- ority/Country: /United States		IORIZED REL n 8130-3, AIRWO			AG	3. Form Tracking 2017000367983 9001519870-10	8Y14
4. Orga	anization Name and Address	s: HONEYWELL INTERNATION 1720 East Grant Street' PHOENIX AZ 85034	DNAL INC Production A PT1222NM	Approval			5. Work Order/Co 4207577675-000 Page 1 of 1	ontracUlnvolce Number: 0010
6.ltem:	7. Description:		8. Part Number:		9. Quantity:	10. Serial Numb	per:	11. Status I Work:
001	IGNITOR PLUG, LOW VO	DLTAGE	3888267-7		4	N/A		NEW
13a. C	ertifies the items identified ab	ove were manufactured in confor	mity to:.	14a. 14 CFR	43.9 Return to Se		ther regulation spe	cified in Block 12
	Approved des	sign data and are in a condition for design data specified in Block	or safe operation.	described in Block Regulations, part 4	12 comp	lished in accordance that work, the iter	fied in E	Block 11 and e of Federal or return to service.
13b. A	ப uthoriz d Signature:	13c. Approval	/Authorization No.:	14b. Authorized Si		and work, are no		oval/Certificate No.:
	-f>'lMwr	ODA-6022	6-NM					
13d. N	ame (Typed or Printed):	13e. Date (dd	/mmm/yyyy):	14d. Name (Typed	or Printed):		14e. Date	(dd/mima/vvvv)

User / Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engfne/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 SP ecified in Block1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/proj:&eller(s)/article(s) from the airworthiness authority, of the country seciffed in Block1. Statements in Blocks 13a and 14a do not constitute installation aircraft may be flown.

FAA FORM 8130-3 (02-14)

25/SEP/2017

Margo Marion

Approving Civil Aviation     Authority/Country:  FAA/United States		IORIZED RELEAS			3. Form Tracking Number: 20170003747692Y14 9001538389-80001
4. Organization Name and Addres		•	val Honeywell Internation Units 2-4, Chevron, Internation Hemel Hempstead, UNITED KINGDOM	onal Inc. Eaton Road	5. Work Order/Contract/Invoice Number: 4705213717-000010 Page 1 of 1
6.Item: 7. Description:		8. Part Number:	9. Quantity:	10. Serial Numb	ber: 11. Status / Work:
001 VALVE, BY-PASS		4132029-3	1	N/A	NEW
HONEYWELL INTERNATIONAL I BATCH NUMBER: 0004794647	NC. REFERENCE FAA ORDER 81	30,21			
Approved d	above were manufactured in confo lesign data and are in a condition for red design data specified in Block 1	or safe operation.	a. 14 CFR 43.9 Return to Ser ertifies that uriR!'ssQ!!erwise speci escribed in Block 12 omplish equilations, part 43 and in respect to	fied in Block 12, th	other regulation specified in Block 12  worklidentified in Block 11 and with Title 14 Gode of Federal ms are approved for return to service.
13b. Authorized Signature:	13c. Approval	/Authorization No.:	b. Authorized Signature:		14c. Approval/Certificate No.:
\JI	ODA-60221	6-NM			
13d. Name (Typed or Printed):	13e. Date (dd. <b>09/OCT/201</b>	,,,,,,,	d. Name (Typed or Printed):		14e. Date(dd/minm/yyyy):
	00,001,201	User/ Installer Re	esnonsihilities		
It is important to understand that the accordance with the national regulariworthiness authority accepts air ce In FAA FORM 8130-3 (02-14)	ne existence of this document alone ations of an airworthiness authority craft engine(s)/pro_eller(s)/article(s_e_c_g_s_s_c)	e does not automatically constitute different than the airworthiness authorily.  a st io e	authoritY. to install the aircraft engi uthority of the country SP.ecified in of the country's eciffed in Block1. ac orda ce h onal e u	ne/propeller/article. Block1, it is essent Statements in Bloc Lati b <u>e u e</u>	. Where the user/installer performs work in tial that the user/installer ensures that his/he ks 13a and 14a do not constitute Installatior rfl <u>alle be</u> e <u>air</u> a <u>b</u> 0 uu52 - uu - u12 - 90

Auth	roving Civil Aviation nority/Country: A/United States	_	ORIZED RELEASE i 8130-3, AIR ORTHINE	_		3. Form Tracking 201700037238 -9001541024-80	00Y14
4. Org	anization Name and Address:	Honeywell International Inc. 111 S. 34th Street Phoenix, Arizona 85072	Production Approval <b>PT1222NM</b>	Honeywell Inter Units 2-4, Chev Hemel Hempste UNITED KINGI	ron, Eaton Road ead, HP2 7UB	5. Work Order/Co 4705215740-00 Page 1 of 1	ontracVInvoice Number: 00010
6.Item	7. Description:		8. Part Number:	9. Quantity	/: 10. Serial Num	ber:	11. Status / Work:
001	DIFFERENTIAL PRESS	TRANSDUCER	3876219-2	2	17150471826 See Continua	-	NEW
AUTH B oc 1715	ORIZATION.  Rk 10 Serial Number(s):  5047182601	ANSDUCER IS A SUBCOMPONED  (Continued):		14 CFR 43.9 Return	to Service	Olher regulation spe	ecified in Block 12
		sign data and are in a condition for design data specified in Block 1	2. descri		specified in Block 12, the complished in accordance	e work identified i <b>) (</b> e with Title 14	
	1g	13c. Approval/		Authorized Signature:		14c. Appro	oval/Certificate No.:
13d. N	lame (Typed or Printed):	13e. Date (dd/	mmm/yyyy): 14d. N	lame (Typed or Printed):		14e. Date	(dd/mmn/yyyy):

03/OCT/2017

Anthony Marzec

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 of the country specified in Block1, it is essential that the user/installer ensures that his/her airw\_orthiness authority accepts aircraft engine(s)/or eller(s)/article(s) from the airworthiness authority. of the country specified in Block1. Statements in Blocks 13a and 14a do not constitute installation ending the discrete 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 of the country specified in Block1, it is essential that the user/installer ensures that his/her airw\_orthiness authority accepts aircraft engine/propeller/article. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority of the country specified in Block1, it is essential that the user/installer ensures that his/her airw\_orthiness authority accepts aircraft engine/propeller/article. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority of the country specified in Block1, it is essential that the user/installer ensures that his/her airw\_orthiness authority of the country specified in Block1. Statements in Blocks 13a and 14a do not constitute installation in airworthiness authority of the country specified in Block1. Statements in Blocks 13a and 14a do not constitute installation in airworthiness authority of the country specified in Block1. Statements in Blocks 13a and 14a do not constitute installation in airworthiness authority of the country specified in Block1. Statements in Blocks 13a and 14a do not constitute installation in airworthiness au

FAA.	oving Civil Aviation . ority/Country: <b>/United States</b>	2. AUTH FAA Form	ORIZED RELE 18130-3, AIRWOR	ASE CERTI THINESS APPI	FICATE ROVAL TAG	3	3. Form Tracking 201700037418 9001547655-8	357Y14
4. Orgai	nization Name and Address:	Honeywell International Inc. 111 S. 34th Street Phoenix, Arizona 85072	Production Ap PT1222NM	Units Heme	ywell Internatio 2-4, Chevron, E Il Hempstead, I ED KINGDOM	aton Road	5. Work Order/C 4705221083-0 Page 1 of 1	Contract/Invoice Number: 00010
6.ItemJ	7. Description:		8. Part Number:		9. Quantity:	10. Serial Numl	ber:	11. Status / Work:
001	FILTER, GEN.		4132030-3			N/A		NEW
	H NUMBER:0004992143	NC. REFERENCE FAA ORDER {						
13a. Ce	ertifies the items identified ab	ove were manufactured In confo	rmity to:	14a. 14 CFR 43	.9 Return to Serv	<b>ice</b> D o	ther regulation spe	eclfie <b>J.in Block 12</b>
	Approved de	nove were manufactured In confo sign data and are in a condition fo d design data specified in Block 12	r safe operation.	14a. 14 CFR 43 Certifies that un descril ed in Block 1 Regulations, oart 43	erwlse specifi 2 w complis		e work ident <b>ea in i</b> e with Title 14	
I	Approved de	sign data and are in a condition fo d design data specified in Block 1.	r safe operation.	Certifies that un descril ed in Block 1	erwlse specifi 2 w complis and in reso	ed in Block 12, the	e work ident <b>ed in i</b> se with Title 14 ems ar roved f	BIOCK 11 and e of Federal
13b. Au	Approved de N n-approved	sign data and are in a condition fo d design data specified in Block 1.	r safe operation.  2.  Authorization No.:	Certifies that un descril ed in Block 1 Regulations, oart 43	erwlse specifi 2 w complis and in reso	ed in Block 12, the	e work ident <b>ed in i</b> se with Title 14 ems ar roved f	e of Federal for return to service.
13b. Au	Approved de N n-approved lithorized Signature:	sign data and are in a condition fo d design data specified in Block 12 13c. Approval/	r safe operation.  2.  Authorization No.:  6-NM	Certifies that un descril ed in Block 1 Regulations, oart 43	erwise specifi 2 w complis 3 and in reso ature:	ed in Block 12, the	e work ident <b>Ba in i</b> se with Title 14 ems ar roved f	e of Federal for return to service.

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