

1. Approving Civil Aviation
Authority/Country:
FAA/United States

2.

AUTHORIZED RELEASE CERTIFICATE
FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG

3. Form Tracking Number:
20210008923757Y15
340814030

4. Organization Name and Address:

Honeywell International Inc
1944 E Sky Harbor Circle
PHOENIX AZ 85034

Repair Station
ZN3R030M


5. Work Order/Contract/Invoice Number:
R379172
340776785
Page 1 of 1

6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status / Work:
001	4.5 Inch Diameter Shutoff Valve	979786-5	1	2686	REPAIRED

12. Remarks:

THE SERVICE SPECIFIED HAS BEEN ACCOMPLISHED IN ACCORDANCE WITH:
CMM 49-50-65 Rev 9, AUG/19/2020

SEE ATTACHED DOCUMENTS AS APPLICABLE FOR WORK PERFORMED
CERTIFIES THAT THE WORK SPECIFIED IN BLOCK 11/12 WAS CARRIED OUT IN ACCORDANCE WITH EASA PART 145 AND IN RESPECT TO THAT WORK THE COMPONENT IS CONSIDERED READY FOR RELEASE TO SERVICE UNDER EASA PART 145 APPROVAL NO. EASA 145.4136

13a. Certifies the items identified above were manufactured in conformity to: <input type="checkbox"/> Approved design data and are in a condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 12.	14a. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input checked="" type="checkbox"/> 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 Regulations, part 43 and in respect to that work, the items are approved for return to service.
13b. Authorized Signature:	14b. Authorized Signature: 
13c. Approval/Authorization No.:	14c. Approval/Certificate No.: ZN3R030M
13d. Name (Typed or Printed):	14d. Name (Typed or Printed): Henry Strickland
13e. Date(dd/mm/yyyy):	14e. Date(dd/mm/yyyy): 25/JAN/2021

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 Block 1, 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 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.





1. 国家 Country	2. 中国民用航空总局 CAAC	<input type="checkbox"/> 符合性 Conformity	<input checked="" type="checkbox"/> 适航性 Airworthiness	3. 证书编号 20210008923758Y05 340814030	Certificate Ref. No.
中国 China					
AUTHORIZED RELEASE CERTIFICATE/AIRWORTHINESS APPROVAL TAG					

4. 单位 Organization	Honeywell International Inc 1944 E Sky Harbor Circle PHOENIX AZ 85034			5. 工作单/合同单/货单 Work Order/Contract/Invoice R379172 340776785 Page 1 of 1		
6. 序号 Item	7. 内容 Description	8. 件号 Part No.	9. 适用性 Eligibility	10. 数量 Qty	11. 系列号/批号 Serial/Batch No.	12. 产品状态 Status/Work
001	4.5 Inch Diameter Shutoff Valve	979786-5	NOT KNOWN	1	2686	REPAIRED

13 备注 Remarks
THE SERVICE SPECIFIED HAS BEEN ACCOMPLISHED IN ACCORDANCE WITH:
CMM 49-50-65 Rev 9, AUG/19/2020

SEE ATTACHED DOCUMENTS AS APPLICABLE FOR WORK PERFORMED

14. 新产品 New Parts	15. 使用过的产品 Used Parts				
SEE ATTACHED DOCUMENTS AS APPLICABLE FOR WORK PERFORMED					
16. 批准人签名 Signature 18. 批准日期 Date JAN/25/2021					
17. 批准人姓名 (打印的) Name (Printed) Henry Strickland					
19. 中国民航总局授权 Issued by or on behalf of the CAAC F00100067					

兹声明上述产品除第13项的其它规定以外, 已按照上述国家适航条例进行制造/检查, 并且该产品(出口产品)符合经批准的型号设计资料和进口国提出的专用要求。
Certifies that the part(s) identified above except as otherwise specified in block 13 was (were) manufactured/inspected in accordance with the airworthiness regulations of the stated country and/or in the case of parts to be exported with the approved design data and with the notified special requirements of the importing country.

兹声明上述产品除第13项的其它规定以外, 已按照上述国家适航条例和进口国通知的特殊要求进行了工作, 该产品处于安全可用状态可以批准放行使用。
Certifies that the work specified above except as specified in block 13 was carried out in accordance with the airworthiness regulations of the stated country and the notified special requirements of the importing country and in respect to that work, the part(s) is(are) in condition for safe operation and considered ready for release to service. (over)

AAC - 038(12/94)

* 参阅产品目录详细查找适用性
Cross - check eligibility for more details with parts catalogue

Honeywell

Commercial

Repair Station # ZN3R030M

Initial Findings Report

Repair Order: 2021-340776785-001
340814030
Customer P/O: R379172

Customer: 300002 AJW AVIATION LTD

Part Number: 979786-5

Orig Cust:

Part Desc: 4.5 Inch Diameter Shutoff Valve Serial No: 2686

Mods: N/A

Series/Issue/Amdts: 1

Quantity: 1

Aircraft tail#: 9M-MTN

Aircraft S/N#: E1470

Date on:

Received Date: 30 NOV 2020

Model #: 644 APU vlvs

Engine S/N:

Date off:

Alternate S/N:

TIMES/CYCLES

HH.DD (HH:MM)

Time Since New:

Cycles Since New:

Time Since Overhaul:

Cycles Since Overhaul:

Time Since Repair:

Cycles Since Repair:

Time Since Installation:

Cycles Since Installation:

CUSTOMER REASON FOR RETURN

REPAIR

GENERAL CONDITION AS RECEIVED (HIDDEN DAMAGE)

Condition Received Text

UNIT RECEIVED IN DIRTY WITH NICKS DINGS AND SCRATCHS.SOME LIGHT CORROSION.ALL LOCK WIRE INTACT.

Reason for return code

Removal Type

Unscheduled

DETAIL DISASSEMBLY / EVALUATION FINDINGS

Failure Description:

Findings:

REPAIRED.

Related Area:

Non-conformance: NO CODE AVAILABLE, SEE COMMENTS:

Recurrent Failure:

Failed Part

Part Name

Condition:

Primary Failure

3163614-5	ADAPTOR ASSY SWITCH	Worn	No - but contributing
3182175-1	DIAPHRAGM, BONDED	Leaking	Yes
3169751-1	HOUSING ASSEMBLY, SERVO	Worn	No - but contributing
117088	BEARING BALL ANNULAR	Worn	No - but contributing
117088	BEARING BALL ANNULAR	Worn	No - but contributing
3185017-1	SHAFT, SEAL	Worn	No - but contributing
880060-23	SWITCH ASSEMBLY, SENSITIVE	Worn	No - but contributing
3182244-2	LINKAGE ASSEMBLY, SINGLE	Worn	No - but contributing

SERVICE BULLETINS / AUTHORIZING DOCUMENTS

Authorizing Technical Document

Complied With:

Doc#: CMM 49-50-65 Rev: 9 Date: 08/19/2020

WORK PERFORMED / COMMENTS TO CUSTOMER

Workscope Performed / Summary of Actions Taken

UNIT FAILS BENCH TEST. UNIT FAILS MIN OPENING. UNIT BINDING CONFIRMING CUSTOMER REASON FOR RETURN. DISASSEMBLED, CLEANED, INSPECTED, AND ORDERED PARTS NECESSARY TO

Commercial

Honeywell

Repair Station # ZN3R030M

Configuration And Findings Evaluation

Repair Order: 2021-340776785-001
340814030

Customer: 300002 AJW AVIATION LTD

Customer P/O: R379172

Orig Cust:

Part Number: 979786-5

Part Desc: 4.5 Inch Diameter Shutoff Valve

Serial No: 2686

Mods: N/A

Series/Issue/Amdts: 1

Quantity 1

Ship Date:

Received Date: 30 NOV 2020

REPAIR UNIT PER AUTHORIZING DOCUMENTS. J HERRERA DEC/10/2020.

ASSEMBLED UNIT IAW AUTHORIZED DOCUMENTS. C.GADDY 01/05/2021 OVERINSPECTED BUILD D..

MCDANIEL JAN/7/2021.

UNIT PASSES TEST PER AUTHORIZING DOCUMENTS. A.M.WENDE 1/22/2021.

FINAL PREP COMPLETED IAW AUTH DOCS A. PATTERSON JAN/23/2021 INSPECTED DW JAN/23/2021

Action Taken Code

Repaired

Customer Confirmed Removal Reason:

No

Evaluation Type

Evaluated - Minor Fault Found

FINAL CONFIGURATION

Part No: 979786-5



S/N: 2686



Series/Issues/Amdts: 1



Mods: N/A

MECHANIC/ANALYST Jesse Herrera

DATE: 10 DEC 2020



COMPONENT MAINTENANCE MANUAL

979786

ATP-979786 Rev E

DS-979786-1, -2, -4, -5, -6

PART 979786-

TECHNICIAN (S) A.M. WENDEAMBIENT TEMPERATURE 75 °F (°C)UNIT SERIAL NUMBER 2686TEST DATE 1-22-2021INSTRUMENTATION ACCEPT ✓AMBIENT PRESS 28 inHg. ABS

(kPa ABS)

RELATIVE HUMIDITY 40 %

Test	Requirement	Actual Value (Units of measure indicated in Requirement box)	Accept (✓)
Examination of Product			
Pretest	No damage, contamination, unusual wear, or any abnormalities.		✓
Electrical			
Solenoid Dielectric Strength	0.500 mA max. (Enter 'NA' previously tested electrical subcomponent)		N/A
Solenoid Insulation Resistance	10 megohms min. (Enter 'NA' previously tested electrical subcomponent)		N/A
Switch Dielectric Strength	0.500 mA max.		✓
Switch Insulation Resistance	40 megohms min.		✓
Proof Pressure			
Butterfly Closed	No deformation or deterioration.		✓
Butterfly Open	No deformation or deterioration.		✓
Internal (Port) Leakage			
Leakage	25.0 lb/min (11.34 kg/min) max.	19.9	
Functional			
Minimum Opening Actuator Supply Pressure	15.0 psig (103.42 kPa) max.	9.7	
Position Indicator Switch			
-1, Pins A and B Valve Opening	Continuity breaks by 6 degrees from Full Open.		N/A
-2, -4 Pins 1 and 3, Valve Opening	Continuity breaks by 6 degrees from Full Open.		N/A
-2, -4, -5 and -6 Pins 1 and 3, Valve Opening	Contact resistance 0.100 ohms max.	0.063	
-5, -6 Pins 1 and 3, Valve Opening	Contact makes by Minimum of 3 degrees from Full Open.	3.5	✓
-1, Pins A and B Valve Closing	Continuity makes within 6 to 10 degrees from Full Open.		N/A
-2, -4 Pins 1 and 2, Valve Closing	Continuity makes within 6 to 10 degrees from Full Open.		N/A

ICN-59364-0000738735-002-01

Figure 1003. (Sheet 1 of 2) Test Data Sheet

EFFECTIVITY

ALL

49-50-65

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Honeywell

COMPONENT MAINTENANCE MANUAL

979766

DS-979786-1, -2, -4, -5, -6

PART 979786-

UNIT SERIAL NUMBER

2686

TEST DATE

1-22-2021

Test	Requirement	Actual Value (Units of measure indicated in Requirement box)	Accept (✓)
-2, -4, -5 and -6 Pins 1 and 2, Valve Closing	Contact resistance 0.100 ohms max.	0.069	
-5, -6 Pins 1 and 2, Valve Closing	Contact makes within 10 degrees from Full Open.	6.6	✓
Closing Time	3.4 to 5.4 sec.	5.0	
Opening Time	1.5 sec max.	0.4	
External (Case) Leakage			
Butterfly Closed	0.19 lb/min (0.086 kg/min) max.	0.005	
Butterfly Open	0.19 lb/min (0.086 kg/min) max.	0.005	
Examination of Product			
Post Test	No damage, contamination, unusual wear, or any abnormalities.		✓

UNIT ACCEPT (FT Stamp)

21

JAN 22 2021

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Figure 1003. (Sheet 2 of 2) Test Data Sheet

EFFECTIVITY

ALL

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