

Commercial

Repair Station # ZN3R030M



**Initial Findings Report**

Repair Order: 2018-331010903-001  
331010905  
Customer P/O: 8110675

Customer: PLANT1121 ERB Tempe Honeywell International Inc.

Part Number: 63396754-2

Orig Cust:  
Part Desc: VALVE, ELEC FLOW CONTROL Serial No: 1040

Mods: N/A  
Series/Issue/Amdts: N/A

Quantity: 1  
Aircraft tail#:   
Model #:

Aircraft S/N#:   
Engine S/N:   
HH.DD (HH:MM)

Date on:   
Date off:   
Alternate S/N:

Received Date: 05 JAN 2018

TIMES/CYCLES

Time Since New:

Cycles Since New:

Time Since Overhaul:

Cycles Since Overhaul:

Time Since Repair:

Cycles Since Repair:

**CUSTOMER REASON FOR RETURN**

CORE RETURNED UNUSED

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

**Condition Received Text**

NO SERVICE SINCE LAST SHOP VISIT, LAST F/T DATE NOV/28/2017.

Reason for return code Unknown/Other

Removal Type Unscheduled

**DETAIL DISASSEMBLY / EVALUATION FINDINGS**

Failure Description:

Findings:

Related Area: Non-conformance: NONE / NO FAULT FOUND (NFF)

Recurrent Failure:

Failed Part Part Name Condition: Primary Failure

**SERVICE BULLETINS / AUTHORIZING DOCUMENTS**

**Authorizing Technical Document**

**Complied With:**

Doc#: OSI CATMP-16-0073 Rev: NC Date: 10/13/2016  
Doc#: CMM 21-10-45 Rev: 4 Date: 03/31/2017

**WORK PERFORMED / COMMENTS TO CUSTOMER**

**Workscope Performed / Summary of Actions Taken**

SENT UNIT FOR INCOMING TEST. A WINTER JAN/08/2018.  
LAB FINDINGS: TESTED AND ACCEPTED UNIT PER AUTHORIZING DOCUMENT R. ELIAS JAN/12/2018.  
INSPECTED MJH JAN/13/2018

Action Taken Code Tested

Customer Confirmed Removal Reason: None Given

Evaluation Type Evaluated - No Fault Found

# Honeywell

Commercial

Tempe - West Warner Road  
Honeywell International Inc  
1300 West Warner Road  
Tempe AZ 85284

Repair Station # ZN3R030M

Date: 13 JAN 2018

## Configuration And Findings Evaluation

Repair Order: 2018-331010903-001  
331010905

Customer: PLANT1121 ERB Tempe Honeywell International Inc.

Customer P/O: 8110675

Orig Cust:

Part Number: 63396754-2

Part Desc: VALVE, ELEC FLOW CONTROL Serial No: 1040

Mods: N/A

Series/Issue/Amdts: N/A

Quantity 1

Ship Date:

Received Date: 05 JAN 2018

### FINAL CONFIGURATION

Part No: 63396754-2



S/N: 1040



Series/Issues/Amdts: N/A

Mods: N/A

MECHANIC/ANALYST Andrew Winter

DATE: 13 JAN 2018

## Acceptance Test Data Summary Sheet

Part Number: 63396754-2

Part Name: VALVE, ELEC FLOW CONTROL

Serial Number: 1040

Insp. Lot Number: 890004504060

Order Number: 5011874461

### TESTED PER CMM 21-10-45 REV 4

#### General Information & Test Set Up

Refer to technical data for all test condition requirements.  
Specifications: Number of Nonconforming Units

Result: NV

#### Tech Data / Revision Verified?

Specifications: Pass/fail (critical)

Result: 01 Pass A

#### Test Line Calibrated Add Number to LT

TL-430  
Specifications: Pass/fail (critical)

Result: 01 Pass A

### TEST ENVIRONMENT

Ambient Temperature	Specifications: $\leq 120.00$ °F	Result: 75.60	A
Barometric Pressure	Specifications: 10.00 .. 45.00 InHgA	Result: 28.80	A
Percent Humidity	Specifications: $\leq 90.00$ %	Result: 36.00	A

### EXAMINATION

Examination of Product	NO DAMAGE, CONTAMINATION, VISIBLE WEAR, OR ANY ABNORMALITIES Specifications: Pass/fail (critical)	Result: 01 Pass	A
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### INSULATION RESISTANCE

21-10-45 SOLENOID	Specifications: $\geq 40.0$ MOhm	Result:	NV
21-10-45 POSITION INDICATOR	Specifications: $\geq 40.0$ MOhm	Result:	NV
21-10-45 TORQUE MOTOR	Specifications: $\geq 40.0$ MOhm	Result:	NV

### BONDING RESISTANCE

21-10-45 BONDING RESISTANCE (1) BETWEEN SOLENOID CASE AND BONDING TAB	Specifications: $\leq 0.008$ Ohm	Result: 0.008	A
21-10-45 BONDING RESISTANCE (2) BETWEEN TORQUE MOTOR CASE AND BONDING TAB	Specifications: $\leq 0.020$ Ohm	Result: 0.002	A

### PROOF PRESSURE

21-10-45 PROOF PRESSURE: OPEN NO EVIDENCE OF DEFORMATION OR DETERIORATION	Specifications: Pass/fail (critical)	Result:	NV
21-10-45 PROOF PRESSURE: CLOSED NO EVIDENCE OF DEFORMATION OR DETERIORATION	Specifications: Pass/fail (critical)	Result:	NV

### MINIMUM OPENING PRESSURE

21-10-45 BUTTERFLY SHALL FULLY OPEN	Specifications: $\geq 80.00$ deg	Result: 89.00	A
21-10-45 MINIMUM OPENING PRESSURE BUTTERFLY FULL OPEN OR WITHING 5 DEG OF FULL OPEN AT INLET PRESSURE OF 8.5 PSIG MAX			

Unit Result:

**ACCEPTED**

Test Technician: E085146

Test Date: 01/12/2018

Time: 16:16:52

# Acceptance Test Data Summary Sheet ...Continuation

# Honeywell

Part Number : 63396754-2

Part Name : VALVE, ELEC FLOW CONTROL

Serial Number : 1040

Order Number : 5011874461

Insp. Lot Number : 890004504060

8.3 psig  
Specifications:Pass/fail (critical)

Result: 01 Pass A

## PRESSURE REGULATION FUNCTIONAL

21-10-45 DOWNSTREAM REGULATED PRESSURE  
Specifications:62.50 .. 65.50 psig  
Result: 65.00 A

21-10-45 FULL OPEN INLET PRESSURE  
Specifications: > = 47.00 psig  
Result: 47.00 A

## TORQUE MOTOR FUNCTIONAL

21-10-45 DOWNSTREAM 10 +/- 1 PSIG (AT)  
TORQUE MOTOR CURRENT REDUCED UNTIL DOWNSTREAM PRESSURE REACHES 10 +/- 1 PSIG  
Specifications:68.00 .. 88.00 mA  
Result: 70.50 A

21-10-45 DOWNSTREAM 35 +/- 2 PSIG (AU)  
TORQUE MOTOR CURRENT INCREASED UNTIL DOWNSTREAM PRESSURE REACHES 35 +/- 2 PSIG  
Specifications:mA  
Result: 47.00 A

21-10-45 DOWNSTREAM 35 +/- 2 PSIG (AV)  
TORQUE MOTOR CURRENT REDUCED TO ZERO. TORQUE MOTOR CURRENT INCREASED UNTIL DOWNSTREAM PRESSURE REACHES 35 +/- 2 PSIG  
Specifications:mA  
Result: 49.90 A

21-10-45 TORQUE MOTOR CURRENT AW = AV-AU  
Specifications:0.00 .. 10.00 mA  
Result: 2.90 A

21-10-45 DOWNSTREAM 10 +/- 1 PSIG (AX)  
TORQUE MOTOR CURRENT INCREASED UNTIL DOWNSTREAM PRESSURE REACHES 10 +/- 1 PSIG  
Specifications:mA  
Result: 73.60 A

21-10-45 TORQUE MOTOR CURRENT AY = AX-AT  
Specifications:0.00 .. 10.00 mA  
Result: 3.10 A

21-10-45 TORQUE MOTOR 140 +/- 2 mA  
DOWNSTREAM PRESSURE  
Specifications: < = 1.50 psig  
Result: 0.00 A

## INTERNAL (PORT) LEAKAGE

21-10-45 INTERNAL (PORT) LEAKAGE  
Specifications:1.00 .. 3.00 lb/min  
Result: 2.06 A

## POSITION INDICATOR SWITCH

21-10-45 BUTTERFLY CLOSING  
8 - 5 DEG FROM FULL CLOSED POSITION.  
CONTINUITY BETWEEN PINS 1 AND 3.  
DICONTINUITY BETWEEN PINS 1 AND 2.  
8.0 deg  
Specifications:Pass/fail (critical)  
Result: 01 Pass A

21-10-45 BUTTERFLY OPEN  
CONTINUITY BETWEEN PINS 1 AND 2.  
DICONTINUITY BETWEEN PINS 1 AND 3.  
Specifications:Pass/fail (critical)  
Result: 01 Pass A

## EXTERNAL (CASE) LEAKAGE

21-10-45 EXTERNAL (CASE) LEAKAGE  
Specifications: < = 0.200 lb/min  
Result: 0.030 A

## FINAL AUDIT

Comments I.R. AND PPT. NOT REQUIRED.  
Specifications:Pass/fail/NA (minor)  
Result: 01 Pass A

TEST TECHNICIAN STAMP

253  
FT

Unit Result: **ACCEPTED**

Test Technician: E085146

Test Date: 01/12/2018

Time : 16:16:52

**Acceptance Test Data Summary Sheet ...Continuation**

Part Number : 63396754-2  
Serial Number : 1040  
Insp. Lot Number : 890004504060  
Part Name : VALVE, ELEC FLOW CONTROL  
Order Number : 5011874461

Result:	Specifications: Number of Nonconforming Units
NV	21-10-45 FINAL OUT INSPECTION TO BE COMPLETED BY FINAL OUT. NO OBVIOUS PHYSICAL DAMAGE OR IMPROPER ASSEMBLY Specifications: Pass/fail (critical)
NV	21-10-45 WEIGHT TO BE COMPLETED BY FINAL OUT. Specifications: < = 12.40 lb
NV	FINAL INSPECTOR STAMP Specifications: Number of Nonconforming Units

Result: 11.85 lbs  
Result: 195  
1-13-2018

**Unit Result: ACCEPTED**

Test Technician: E085146

Test Date: 01/12/2018  
Time: 16:16:52

