1. Approving National Aviation Authority/Country:	2	3. Form Tracking Number:
FAA/United States	**AUTHORIZED RELEASE CERTIFICATE** FAA Form 8130–3, AIRWORTHINESS APPROVAL TAG	9889812

4. Organization Name and Address:	5. Work Order/Contract/Invoice Number:
Honeywell International, Inc. 375 N. Lake St., Boyne City, MI 49712 (C3OR632J)	295201

6. Item:	7. Description:	8. Part Number:	9. Eligibility: *	10. Quantity:	11. Serial/Batch Number:	12. Status/Work:
1	Stabilizer Position Module	9000413-3	N/A	1	0764	Repaired

13. Remarks:

The unit was repaired per CMM 27-48-01 released May 9, 1995 and OEM work instructions. Completion date Jan. 20,2014. Customer order # 295201 attached. Work completed by: See attached routing information. Note-Clock numbers and stamps are used instead of names.

Certifies that the work specified in block 12/13 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 Number: EASA.145.4125.

14. Certifies the items identified above were manufactured in conformity to:	19. ☑ 14 CFR 43.9 Return to Service ☑ Other regulation specified in Block 13
☐ Approved design data and are in a condition for safe operation. ☐ Non-approved design data 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 Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.

15. Authorized Signature:	16. Approval/Authorization No.:	20. Authorized Signature:	21. Approval/Certificate No.:
		William F. Mauchmar	C3OR632J
17. Name (Typed or Printed):	**18. Date (m/d/y):**	**22. Name (Typed or Printed):**	**23. Date (m d y):**
		William F. Mauchmar	Jan 20 2014

User/Installer Responsibilities

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 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 parts/components/assemblies from the airworthiness authority of the country specified in Block 1.

Statements in Blocks 14 and 19 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.

REPRINT
Standard Discrete Job Work Order

Report Date: 18-FEB-2013 11:2

Assembly: 9000413-3
Job Desc: S/N 0764 S/O 295201
Asmbly Desc: MODULE
Inv Type: MFG PROD
Planner: BC
ESDS:

Stock Subinv: MIRP-SHIP Stock Loc:
Seg. Code:
Cust.Code: 288462
OLR WC: 1042E Lot No:
WIP Acctg Class: WIP-MI11 Inv Class: C
Bill Revision: M 01-MAR-13 00:00

Release Date:
Start Date: 18-FEB-13
Compl. Date: 18-MAR-13
Stock Date: 18-MAR-13
Avg Piece Wgt:
Routing Revision: 15 01-MAR-13 00:00

Job: 9889812
Start Qty: 1
Shrink/Adj Qty:

Stock Room Receipt			
Quantity	P/C	Date	Init.

Oper No.	Dept No.	Resource/Inst /Material	Description	ESDS	Qty/Unit	UOM	Yld	Tot	Bin Loc	Inv.Type	Supply Type	Supply Inv
				C.P.				Hrs	Usg.Rate	Pcs/Hour		

Assembly Comment: **
CONTROLLED COPY WI
**
FRAME NO._____ SERIAL NO._____

Rtg/BOM Comment: "PROCESS ISSUE = 015
-HOLD- TYPE/DESC. = E/K
.
PROCESS DWG REVISION = J
METHOD ""C"" DATE = 941103
LEAN DATE = 970915"

Releases: _____ _____

Assembly: 9000413-3
Job Desc: S/N 0764 S/O 295201
Asmbly Desc: MODULE
Inv Type: MFG PROD
Planner: BC
ESDS:

Stock Subinv: MIRP-SHIP Stock Loc:
Seg. Code:
Cust.Code: 288462
OLR WC: 1042E Lot No:
WIP Acctg Class: WIP-MI11 Inv Class: C
Bill Revision: M 01-MAR-13 00:00 Avg Piece Wgt:
Routing Revision: 15 01-MAR-13 00:00

Release Date:
Start Date: 18-FEB-13
Compl. Date: 18-MAR-13
Stock Date: 18-MAR-13

Job: 9889812
Start Qty: 1
Shrink/Adj Qty:

Stock Room Receipt

Quantity	P/C	Date	Init.

Oper No.	Dept No.	Resource/Inst /Material	Description	ESDS	Qty/Unit	UOM	Yld	Tot	Bin Loc	Inv.Type	Supply Type	Supply Inv
				C.P.				Hrs	Usg.Rate	Pcs/Hour		
810	1072-00		EVALUATION	Yes				40.0				

Last Unit Comp.: 22-FEB-13

Tab 9889812 Tab 810 Tab Tab

Mat: 9005021-1	FRAME	0	EA	1	BT0302	POMFG	FAB	Push	MI11-STOCK
Mat: 9001393-1	SHAFT	0	EA	1	BW0703	POMFG	PART	Push	MI11-STOCK
Mat: 9005024-1	PLATE	0	EA	1	BW0710	POMFG	FAB	Push	MI11-STOCK
Mat: 9005025-1	FRAME	0	EA	1	BT0710	POMFG	FAB	Push	MI11-STOCK
Mat: 9001379-2	RVDT	0	EA	1	BW0705	POMFG	PART	Push	MI11-STOCK
Mat: 9007284-1	CONN	0	EA	1	BW0110	POPUR	PART	Push	MI11-STOCK
Mat: 9007279-1	BRG	0	EA	1	KP0304	PUR	PART	Op pull	MI11-FLR00
Mat: 9007287-1	BRG	0	EA	1	BT0612	POPUR	PART	Push	MI11-STOCK
Mat: 9005027-1	COVER	0	EA	1	BT0711	POPUR	PART	Push	MI11-STOCK
Mat: 9007139-2	WASHER	0	EA	1	2B9A04	CRIB		Bulk	MI11CRIB2B
Mat: 121-1077-01	CLAMP	0	EA	1	OTR16	PUR	PART	Op pull	MI11-FLR00
Mat: 9005030-1	CAM	0	EA	1	BW0711	POMFG	FAB	Push	MI11-STOCK
Mat: MS27216-1	1HM19	0	EA	1	BT0312	POIORGPART		Push	MI11-STOCK
Mat: 9007286-1	ACTUAT	0	EA	1	1042-04	PUR	PART	Op pull	MI11-FLR00
Mat: 9005049-1	PLATE	0	EA	1	BW0712	POMFG	FAB	Push	MI11-STOCK
Mat: 9005047-1	PLATE	0	EA	1	BT0605	POMFG	FAB	Push	MI11-STOCK
Mat: 361-0364C070A01	PKG	0	EA	1	2B6K03	CRIB		Bulk	MI11CRIB2B
Mat: 361-2614E070A01	PKG	0	EA	1	2B7J01	CRIB		Bulk	MI11CRIB2B
Mat: AN960JD4	WASHER	0	EA	1	2B6A01	CRIB		Bulk	MI11CRIB2B
Mat: AN960-4	WASHER	0	EA	1	2B6B06	CRIB		Bulk	MI11CRIB2B
Mat: MS51923-131	PIN	0	EA	1	2B7B07	CRIB		Bulk	MI11CRIB2B
Mat: MS51923-151	PIN	0	EA	1	2B5B06	CRIB		Bulk	MI11CRIB2B
Mat: MS20995C15	WIRE L	0	EA	1	STK294	CRIB		Bulk	MI11CRIB2B
Mat: 50063918-001	PLATE, MOUNTING	0	EA	1		IORGPART		Push	MI11-STOCK
Mat: MS35275-205	SCREW	0	EA	1	2B7F08	CRIB		Bulk	MI11CRIB2B
Mat: NAS1352C04-4	SCREW	0	EA	1	2B5J01	CRIB		Bulk	MI11CRIB2B
Mat: 305-1018-01	OIL	0	TUB	1	Chemical	CRIB		Bulk	MI11CRIB2B
Mat: MS51957-14	SCR STN#4 5/16 *F	0	EA	1	2B7B02	CRIB		Bulk	MI11CRIB2B
Mat: NAS1352C04-10	SCREW	0	EA	1	2B5G02	CRIB		Bulk	MI11CRIB2B
Mat: 490-1019-01	SEALANT,INTEGRAL FUEL TANK(KT)	0	EA	1	AD3I04	CRIB		Bulk	MI11CRIB2B
Mat: MIL-G-23827	GREASE	0	EA	1	AD6D01	CRIB		Bulk	MI11CRIB2B
Mat: 221-1002-01	DC-4	0	EA	1	AD1B02	CRIB		Bulk	MI11CRIB2B
Mat: M22759/11-26-7	WIRE	0	EA	1	STK050	CRIB		Bulk	MI11CRIB2B
Mat: M22759/11-26-8	WIRE	0	EA	1	STK046	CRIB		Bulk	MI11CRIB2B
Mat: 503-60RMC30	SOLDER	0	EA	1	STK257	CRIB		Bulk	MI11CRIB2B
Mat: 323-1007-01	LUG	0	EA	1	OTR10	PUR	PART	Op pull	MI11-FLR00
Mat: M22759/11-20-9	WIRE W	0	EA	1	STK031	CRIB		Bulk	MI11CRIB2B
Mat: M23053/5-104-9	INSUL	0	EA	1	SV0910	CRIB		Bulk	MI11CRIB
Mat: 490-1014-01	ADH, SEALANT RET. COMPND (EA)	0	EA	1	AD1A08	CRIB		Bulk	MI11CRIB2B
Mat: 32-1024-01	LCA9	0	EA	1	AD3J05	CRIB		Bulk	MI11CRIB2B
Mat: 9004227-1	SPACER	0	EA	1	1042-02	EPUR	PART	Op pull	MI11-FLR00

FO-44922

Releases:

Assembly: 9000413-3
Job Desc: S/N 0764 S/O 295201
Asmbly Desc: MODULE
Inv Type: MFG PROD
Planner: BC
ESDS:

Stock Subinv: MIRP-SHIP Stock Loc:
Seg. Code:
Cust.Code: 288462
OLR WC: 1042E Lot No:
WIP Acctg Class: WIP-MI11 Inv Class: C
Bill Revision: M 01-MAR-13 00:00

Release Date:
Start Date: 18-FEB-13
Compl. Date: 18-MAR-13
Stock Date: 18-MAR-13
Avg Piece Wgt:
Routing Revision: 15 01-MAR-13 00:00

Job: 9889812
Start Qty: 1
Shrink/Adj Qty:

Stock Room Receipt	Quantity	P/C	Date	Init.

Oper No.	Dept No.	Resource/Inst /Material	Description	ESDS	Qty/Unit	UOM	Yld C.P.	Tot Hrs	Bin Loc Usg.	Inv.Type Rate	Supply Type Pcs/Hour	Supply Inv
		Mat: 9007323-1	SLEEVE		0	EA	1		BX0405	POPUR PART	Push	MI11-STOCK
		Mat: 9004136-1	BLOCK NOSE UP SWITCH MOUNTING		0	EA	1		BW0311	POMFG FAB	Push	MI11-STOCK
		Mat: 9004135-1	BLOCK NOSE DOWN SWITCH MOUNTIN		0	EA	1		BW0709	POMFG FAB	Push	MI11-STOCK
		Mat: MS51957-2	SCREW		0	EA	1		2B7E01	CRIB	Bulk	MI11CRIB2B
		Mat: MS3367-4-9	STRAP		0	EA	1		2B8I02	CRIB	Bulk	MI11CRIB2B
		Mat: 9007299-1	COATING (KT)		0	EA	1		AD3J02	CRIB	Bulk	MI11CRIB2B
		Mat: 9007300-1	TERM		0	EA	1		2B5D06	CRIB	Bulk	MI11CRIB2B
		Mat: 137-1006300103	CORD		0	EA	1		STK290	CRIB	Bulk	MI11CRIB2B
		Mat: 490-1006CV	LOCTIT (EA)		0	EA	1		AD1A11	CRIB	Bulk	MI11CRIB2B
		Mat: 9003740-1	SPACER		0	EA	1		2B6B08	CRIB	Bulk	MI11CRIB2B
		Mat: 9007195-1	WASHER		0	EA	1		2B5A07	CRIB	Bulk	MI11CRIB2B
		Mat: 9004101-45-10	SHIM		0	EA	1		OTR41	PUR PART	Op pull	MI11-FLR00
		Mat: 9007095-1	ADH, BLAX MAX 380 (OZ)		0	EA	1		AD4C01	CRIB	Bulk	MI11CRIB2B
		Mat: REPAIR-ITEM	REPAIR ITEM							DRAW REF	Push	MI11-STOCK
			Ref: 10									
		Mat: 50043670-001	COVER, TRANSMITTER		0	EA	1			PUR PART	Push	MI11-STOCK
		Mat: 361-0989E070A01	PKG		0	EA	1		2B10D01	CRIB	Bulk	MI11CRIB2B
		Mat: 361-1051E070A01	PKG		0	EA	1		2B5L01	CRIB	Bulk	MI11CRIB2B
		Mat: 9005028-1	GEAR		0	EA	1		KP0908	10PUR PART	Op pull	MI11-FLR00
		Mat: 9005029-1	GEAR		0	EA	1		KP0909	10PUR PART	Op pull	MI11-FLR00
		Mat: MS16624-4025	RING		0	EA	1		OTR11	PUR PART	Op pull	MI11-FLR00
		Mat: 513-1164-01	SPRING		0	EA	1		BV0711	PPUR PART	Push	MI11-STOCK
		Mat: 32-1002-01	GLYP ADH 7526F (GA)		0	EA	1		AD3H03	CRIB	Bulk	MI11CRIB2B
		Mat: M22759/11-26-91	WIRE		0	EA	1		STK162	CRIB	Bulk	MI11CRIB2B
		Mat: M22759/11-26-96	WIRE		0	EA	1		STK074	CRIB	Bulk	MI11CRIB2B
		Mat: 9005033-5	NAMEPL		0	EA	1		BN0604	POPUR PART	Push	MI11-STOCK
		Res: QUEUE1072	Queue Time		1.00000	HR			40			
		Inst:TRACKING										

DATE - 2/21/18 DATE - _____ DATE - _____
CLOCK # - 5407 CLOCK # - _____ CLOCK # - _____
QTY - 1 QTY - _____ QTY - _____
DMR # - _____ DMR # - _____ DMR # - _____

Releases: _____ _____

Assembly: 9000413-3
Job Desc: S/N 0764 S/O 295201
Asmbly Desc: MODULE
Inv Type: MFG PROD
Planner: BC
ESDS:

Stock Subinv: MIRP-SHIP Stock Loc:
Seg. Code:
Cust.Code: 288462
Lot No:
OLR WC: 1042E
WIP Acctg Class: WIP-MI11 Inv Class: C
Bill Revision: M 01-MAR-13 00:00
Avg Piece Wgt:
Routing Revision: 15 01-MAR-13 00:00

Release Date:
Start Date: 18-FEB-13
Compl. Date: 18-MAR-13
Stock Date: 18-MAR-13

Job: 9889812
Start Qty: 1
Shrink/Adj Qty:

Stock Room Receipt			
Quantity	P/C	Date	Init.

Oper No.	Dept No.	Resource/Inst /Material	Description	ESDS	Qty/Unit	UOM	Yld	Tot	Bin Loc	Inv.Type	Supply Type	Supply Inv
				C.P.			Hrs	Usg.Rate	Pcs/Hour			
820	1072-00		REPAIR	Yes			104.0					

Last Unit Comp.: 13-MAR-13

Tab 9889812 Tab 820 Tab Tab
Res: QUEUE1072
Inst:TRACKING

Queue Time 1.00000 HR 104

REPAIRED IN ACCORDANCE WITH RECOMMENDATIONS ON FAILURE ANALYSIS REPORT

DATE - 1/17/14	DATE -	DATE -	DATE -	DATE -	DATE -
CLOCK # - 5467	CLOCK # -	CLOCK # -	CLOCK # -	CLOCK # -	CLOCK # -
QTY - 1	QTY -	QTY -	QTY -	QTY -	QTY -
DMR # -	DMR # -	DMR # -	DMR # -	DMR # -	DMR # -

Oper No.	Dept No.	Resource/Inst /Material	Description	ESDS	Qty/Unit	UOM	Yld	Tot	Bin Loc	Inv.Type	Supply Type	Supply Inv
				C.P.			Hrs	Usg.Rate	Pcs/Hour			
825	1072-00		TEST	Yes			8.0					

Last Unit Comp.: 14-MAR-13

Tab 9889812 Tab 825 Tab Tab
Res: QUEUE1072
Inst:TRACKING

Queue Time 1.00000 HR 8

DATE - 1/17/14	DATE -	DATE -	DATE -	DATE -	DATE -
CLOCK # - [illegible]	CLOCK # -	CLOCK # -	CLOCK # -	CLOCK # -	CLOCK # -
QTY -	QTY -	QTY -	QTY -	QTY -	QTY -
DMR # -	DMR # -	DMR # -	DMR # -	DMR # -	DMR # -

Assembly: 9000413-3 Stock Subinv: MIRP-SHIP Stock Loc: Release Date: Job: 9889812
Job Desc: S/N 0764 S/O 295201 Seg. Code: Start Date: 18-FEB-13 Start Qty: 1
Asmbly Desc: MODULE Cust.Code: 288462 Compl. Date: 18-MAR-13 Shrink/Adj Qty:
Inv Type: MFG PROD OLR WC: 1042E Lot No: Stock Date: 18-MAR-13
Planner: BC WIP Acctg Class: WIP-MI11 Inv Class: C Avg Piece Wgt:
ESDS: Bill Revision: M 01-MAR-13 00:00 Routing Revision: 15 01-MAR-13 00:00

Stock Room Receipt			
Quantity	P/C	Date	Init.

Oper No.	Dept No.	Resource/Inst /Material	Description	ESDS C.P.	Qty/Unit	UOM	Yld	Tot Hrs	Bin Loc Usg.Rate	Inv.Type Pcs/Hour	Supply Type	Supply Inv
835	1072-00		INSPECTION	Yes				8.0		Last Unit Comp.: 15-MAR-13		

Tab 9889812 Tab 835 Tab Tab
Res: QUEUE1072 Queue Time 1.00000 HR 8
Inst:TRACKING

DATE - 1/20/14	DATE -	DATE -
CLOCK # - [illegible]	CLOCK # -	CLOCK # -
QTY - 1	QTY -	QTY -
DMR # -	DMR # -	DMR # -

Total Labor Hours
Total Scheduled Hours 160

Item	Item Description	Document
MS51957-14	SCR STN#4 5/16 *F	LOT NO

FAA CERTIFIED REPAIRMAN William F. Manchaver
CERTIFICATE NO C30C632J
DATE Jan 20, 2014

Sales Order Information

SO #	SOL	Cust. Part #	Rev #	SO Date	SO Qty	Customer	Customer #	Cust PO/Line/Serial #
295201	1.1	9000413-3		18-MAR-13	1	A.J.WALTER (AVIATION) LTD Online	288462 OE_ORDER_H	198736/ 0764

Special Charges:

ACCEPTANCE TEST RECORD

Honeywell
Boyne City, MI 49712

WA: 295201

Contract No: _____

Honeywell P/N 9000413-3, B
Q.C.T.P. 9008160 REV. B

Boeing P/N S251W431-2
Software Control Number: 9008935-EX Rev. M

Date: 01/17/2014
Time: 10:51:28
Test Parameters: atp

Serial Number: 0764
Frame Number: 0764
Clock Number: 55407

4.1 EXAMINATION OF PRODUCT:
Unit meets requirements of 9000413-3 — ACC ___ REJ ___

4.2 WEIGHT:
Unit weight shall not exceed 1.60 lbs. 1.30 lbs. — ACC ___ REJ ___

4.3.1 INSULATION RESISTANCE (1st):
100 megohms max. with 500 VDC, 1 min. / circuit — ACC ___ REJ ___

4.3.2 DIELECTRIC STRENGTH:
2 Mamp max. with 1000 VAC, 1 min. / circuit — ACC ___ REJ ___

4.3.1 INSULATION RESISTANCE (2nd):
100 megohms max. with 500 VDC, 1 min. / circuit — ACC ___ REJ ___

4.4 SEALING:
24.0 to 27.5 in Hg. for (2) two minutes — ACC ___ REJ ___

4.5 TRAVEL CHECK: PASSED
Stops must engage between 159± & 161± (CW & CCW)
Input Shaft Travel: CW 160.03°
CCW -160.21°

4.6.1 NULL VOLTAGE TEST:
(0.0 +/-.015 VAC) -0.0006 VAC -0.0002 ratio units — PASSED

4.6.4 PRIMARY COIL IMPEDANCE AND CURRENT TEST:
257 ohms min. impedance & .028 Amp max. current

NULL pos.	575.4670 ohms	0.0123 Amp	PASSED
+150 deg.	566.5031 ohms	0.0124 Amp	PASSED
-150 deg.	566.0528 ohms	0.0124 Amp	PASSED

4.6.5 COMMON MODE VOLTAGE TEST:
5.5 VRMS +/-10% (.55)

NULL pos.	5.2277 VRMS	PASSED
+150 deg.	5.2254 VRMS	PASSED
-150 deg.	5.2185 VRMS	PASSED

4.7 BONDING RESISTANCE TEST:
.020 ohms max. with (1) one Amp current — ACC ___ REJ ___

DATA CERTIFIED BY: _____
HONEYWELL REPRESENTATIVE

ACCEPTANCE TEST RECORD

Honeywell
Boyne City, MI 49712

WA: 295201

Contract No: _____

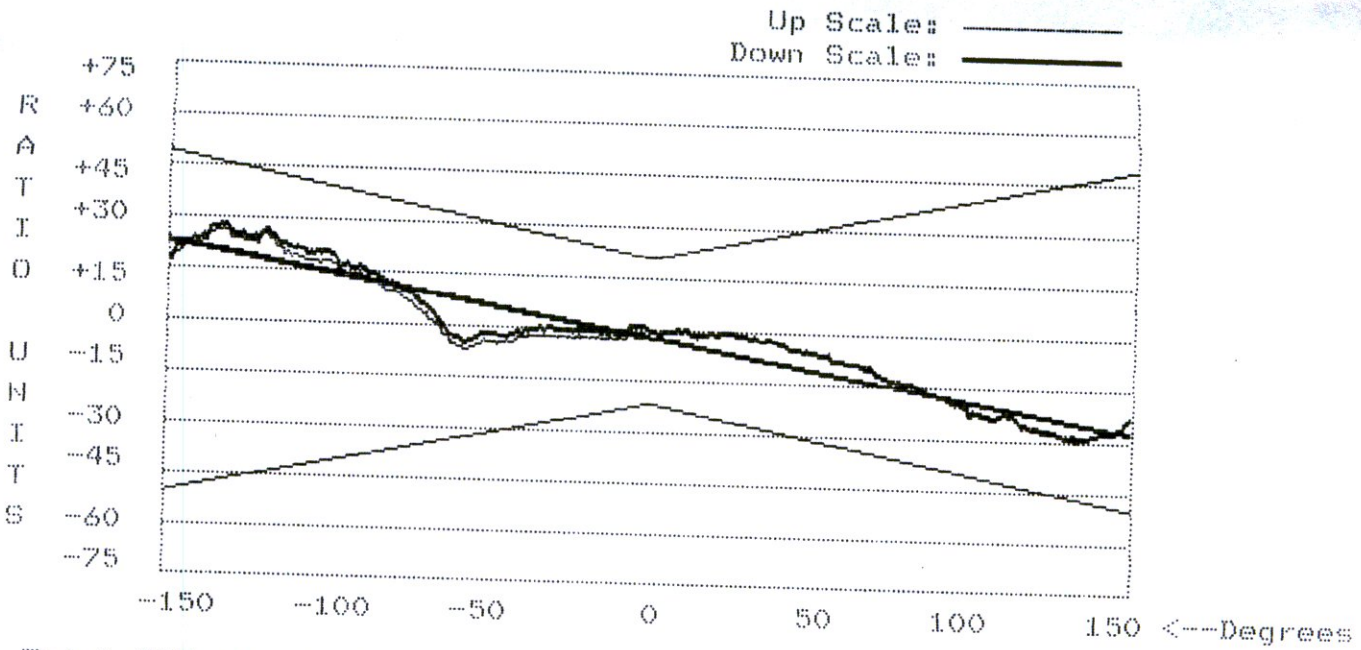
Honeywell P/N 9000413-3, B
Q.C.T.P. 9008160 REV. B

Boeing P/N S251W431-2
Software Control Number: 9008935-EX Rev. M

Date: 01/17/2014
Time: 10:51:31
Test Parameters: atp

Serial Number: 0764
Frame Number: 0764
Clock Number: 55407

4.6.2	RVDT ACCURACY (based on actual vs ideal)	PASSED
4.6.2	LINEARITY (NOT exceed 1.5 times normal sensitivity)	PASSED
4.6.3	SWITCH ACCURACY	PASSED



Total CCW points tested:	150
Test points FAILING CCW UP SCALE:	0
Test points FAILING CCW DOWN SCALE:	0
(SW1) Nose Down open:	144.14
Nose Down close:	143.91
Nose Down open deviation from (145.0)	-0.86
Nose Down close deviation from (144.5)	-0.59

Total CW points tested:	150
Test points FAILING CW UP SCALE:	0
Test points FAILING CW DOWN SCALE:	0
(SW2) Nose Up open:	146.00
Nose Up close:	144.77
Nose Up open deviation from (146.0)	0.00
Nose Up close deviation from (145.5)	-0.73

	Upscale	Dnscale
Output Spread:	0.0059	0.0062
Average Deviation:	-0.0002	-0.0002

Hysteresis: 0.0000

FAILURE ANALYSIS REPORT & REPAIR WORK AUTHORIZATION

FAR Number	**23169**	**CUSTOMER ORDER NO.**	**295201** ✓
Date Part Received	02/19/2013	**Shop Order No.**	9889812
Customer Name / No.	A.J.WALTER (AVIATION) LTD.		288462
Part No.	9000413-3	**Serial No.**	0764
C of C Required?	Yes	**GSI (Government Source Inspection)**	No
Delivery Date	1-17-14	**CSI (Customer Source Inspection)**	No

Analysis Results **Unit Location** M

The unit was received with minor marks on the input shaft. The unit passes electrical breakdown and leak check. The unit was tested and passes RVDT Accuracy and Linearity. The nose down switch failed the open position. The unit was opened for further evaluation and the mechanism is properly assembled and intact. The nose down switch will have to be reset. SW

Responsibility Customer **Total Charges $** 672.67 0.00

Recommendations Replace parts listed below and repair to an airworthy condition.

Is Unit Within the Warranty Period? No **Work Accomplished** Repaired

FT Date 01/1999 **Analysis Time** 2.0 ✓ **Est. Repair Time** 4.0

Replacement Part Log 9000413-3 : MODULE

PARTS SELECTED:

Part Number	Description	Qty	Price Ea	Extended Price	Unit of Measure
361-2614E070A01 PKG		1	0.00	0.00	2B

MT 2/21/13

full