

DCA23FA417

MAINTENANCE

Group Chair's Factual Report - Attachment 2

Sunvair Inc. Overhaul Records

April 29, 2024



**CONDITION REPORT
FOR ALASKA AIRLINES
737-800 MLG**

P.O.: 845649 (YL118)	SUNVAIR REF: SV-2467
P/N: 001A6103-45	S/N: MAL05621Y2721
July 5, 2018	

AIRPLANE INFORMATION

Variable Effectivity: YL118

Last Operator: ALASKA AIRLINES

Airplane S/N: 35192

Date of Overhaul: 7-5-2018

Airplane Model: 737-800

Site of Overhaul: Sunvair

P.O Ref. 845649

Job Number: SV-2467

REF. #	Part Name	Component Part Number	Part Serial Number	Assembly Number	Original Airplane Delivered	Part Life Limit	Cycles Since New	Remaining Cycles	Activity Type
BU	MLG- Customer End Item	N/A	MAL05621Y2721	001A6103-45	YL118	N/A	11,116	N/A	OVERHAULED
GA	Component Instl-L/H	N/A	MAL05621Y2721	161A1100-53	YL118	N/A	11,116	N/A	OVERHAULED
SA	Side Strut Assy, MLG L/H	N/A	MK0288	161A2100-13	YL118	N/A	11,116	N/A	OVERHAULED
R	Retract Actuator Assembly MLG	N/A	2101/5833	273A2101-101	YL118	N/A	11,116	N/A	MODIFIED
L	Actuator Assembly, lock MLG	N/A	EFS5655	273A2201-1	YL118	N/A	11,116	N/A	REPAIRED
UL	Uplock Assembly, MLG	N/A	E5506	161A6100-3	YL118	N/A	11,116	N/A	OVERHAULED
DLA	Uplock Actuator Assembly	N/A	5613	273A2501-1	YL118	N/A	11,116	N/A	REPAIRED
WB	Walking Beam Assembly MLG	N/A	86985-3987	161A7100-5	YL118	N/A	11,116	N/A	OVERHAULED
DI	Damper Installation, Shimmy MLG	N/A	N/A	273A3600-3	YL118	N/A	N/A	N/A	OVERHAULED
D	Damper Assy, MLG	N/A	5843	273A3610-4	YL118	N/A	11,116	N/A	REPAIRED
PI	Plumbing Installation, Oleo MLG	N/A	N/A	272A6101-8	YL118	N/A	N/A	N/A	OVERHAULED
HI	Hose Installation, Lower Brake MLG	N/A	N/A	274A1900-5	YL118	N/A	N/A	N/A	OVERHAULED
HB	Bracket Installation, Lower Brake Hose MLG	N/A	N/A	274A1910-3	YL118	N/A	N/A	N/A	OVERHAULED
BU180A	Bracket Installation, Uppr Brake Hose MLG	N/A	N/A	274A1920-3	YL118	N/A	N/A	N/A	OVERHAULED

Authorized Signature: _____

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P.O Ref. 845649

Job Number: SV-2467

REF. #	Part Name	Component Part Number	Part Serial Number	Assembly Number	Original Airplane Delivered	Part Life Limit	Cycles Since New	Remaining Cycles	Activity Type
BU318C	Sensor Installation, Air Ground MLG	N/A	N/A	284A0313-7	YL118	N/A	N/A	N/A	OVERHAULED
BU375	Bracket Installation, Outer Cylinder MLG	N/A	N/A	287A6105-1	YL118	N/A	N/A	N/A	OVERHAULED
BU456C	Bracket Installation, Torsion Link and Axle MLG	N/A	N/A	287A6105-11	YL118	N/A	N/A	N/A	OVERHAULED
BU555	J-Box Installation MLG	N/A	N/A	287A6107-1	YL118	N/A	N/A	N/A	OVERHAULED
BU726B	Harness Installation, Outer Cylinder MLG	N/A	N/A	287A6108-15	YL118	N/A	N/A	N/A	OVERHAULED
BU831C	Harness Installation, Anti- skid MLG	N/A	N/A	287A6108-19	YL118	N/A	N/A	N/A	OVERHAULED
BC632	Bearing Assembly	N/A	N/A	161A1500-1	YL118	N/A	N/A	N/A	OVERHAULED
BC70A	Bearing Assembly	N/A	N/A	161A1185-3	YL118	N/A	N/A	N/A	OVERHAULED
BC5A	Bearing Installation - Fwd Trunnion (partial)	N/A	N/A	115A5005-3	YL118	N/A	N/A	N/A	OVERHAULED
Life Limited Parts									
BC50A	Fuse Pin - MLG	115A5260-1	SI11625	N/A	YL118	75,000	11,116	63,884	OVERHAULED
BC50B	Fuse Pin - MLG	115A5260-1	SI11917	N/A	YL118	75,000	11,116	63,884	OVERHAULED
GA835U	Outer Cylinder Assy -L/H	161A1118-19	SS0469	161A1118-25	YL118	75,000	11,116	63,884	OVERHAULED
GA700A	Inner Cylinder Assy	161A1126-2	SS0902	161A1126-1	YL118	75,000	11,116	63,884	OVERHAULED
GA660B	Pin-Axle Retention	161A1128-2	EXC-0002	N/A	YL118	75,000	11,116	63,884	OVERHAULED
GA675A	Axle Assembly	161A1130-4	MAL6091	161A1130-3	YL118	75,000	11,116	63,884	OVERHAULED

Authorized Signature: _____

AIRPLANE INFORMATION

Variable Effectivity: YL118

Last Operator: ALASKA AIRLINES

Airplane S/N: 35192

Date of Overhaul: 7-5-2018

Airplane Model: 737-800

Site of Overhaul: Sunvair

P.O Ref. 845649

Job Number: SV-2467

REF. #	Part Name	Component Part Number	Part Serial Number	Assembly Number	Original Airplane Delivered	Part Life Limit	Cycles Since New	Remaining Cycles	Activity Type
GA375A	Torsion Link Assy- Upper	161A1140-4	MK1941	161A1140-3	YL118	75,000	11,116	63,884	OVERHAULED
GA490A	Torsion Link Assy- Lower	161A1142-4	MK1861	161A1142-3	YL118	75,000	11,116	63,884	OVERHAULED
GA360A	Pin-Upper Torsion Link	161A1146-2	MBM1763	N/A	YL118	75,000	11,116	63,884	OVERHAULED
GA475C	Pin Assy -Lower Torsion Link	161A1147-8	MBM1807	161A1147-7	YL118	75,000	11,116	63,884	OVERHAULED
BC80H	Pin Assy.- Forward Trunnion Bearing	161A1188-10	K034055-021	161A1188-9	YL118	75,000	11,116	63,884	OVERHAULED
GA15A	Pin - Forward Trunnion Crossbolt	161A1190-2	MBM1704	N/A	YL118	75,000	11,116	63,884	OVERHAULED
MC5A	Pin- aft Trunnion Crossbolt	161A1191-1	LT0092	N/A	YL118	75,000	11,116	63,884	OVERHAULED
MC2-1F	Pin Assy-Aft Trunnion Bearing	161A1192-4	E5514	161A1192-13	YL118	75,000	11,116	63,884	OVERHAULED
GA994	Pin-Damper Torsion Link Apex, MLG	161A1214-3	CFN1405	N/A	YL118	75,000	11,116	63,884	OVERHAULED
GA355A	Nut-Damper Torsion Link Apex, MLG	161A1215-1	C FN1517	N/A	YL118	75,000	11,116	63,884	OVERHAULED
SA445B	Side Strut Assy. - Upper MLG	161A2101-6	MK0343	161A2101-5	YL118	75,000	11,116	63,884	OVERHAULED
SA370E	Side Strut Assy, Lower Side MLG	161A2103-12	MK0288	161A2103-11	YL118	75,000	11,116	63,884	OVERHAULED
SA2-120	Link Assy. - Downlock, Lower MLG	161A2105-6	MK0346	161A2105-5	YL118	75,000	11,116	63,884	OVERHAULED
SA2-70	Lock Link - Upper MLG	161A2107-7	MK0347	161A2107-5	YL118	75,000	11,116	63,884	OVERHAULED
SA2-75	Lock Link Assy. - Upper	161A2107-8	MK0346	161A2107-6	YL118	75,000	11,116	63,884	OVERHAULED
SA355D	Pin-Side Strut Apex - MLG	161A2111-5	ACR4897	N/A	YL118	75,000	11,116	63,884	OVERHAULED

Authorized Signature

AIRPLANE INFORMATION

Variable Effectivity: YL118

Last Operator: ALASKA AIRLINES

Airplane S/N: 35192

Date of Overhaul: 7-5-2018

Airplane Model: 737-800

Site of Overhaul: Sunvair

P.O Ref. 845649

Job Number: SV-2467

REF. #	Part Name	Component Part Number	Part Serial Number	Assembly Number	Original Airplane Delivered	Part Life Limit	Cycles Since New	Remaining Cycles	Activity Type
SA130	Pin Assy - Downlock, Lower MLG	161A2112-2	EXC0440	161A2112-1	YL118	75,000	11,116	63,884	OVERHAULED
SA430	Pin - Side Strut to Reaction Link MLG	161A2122-1	EXC-0039	N/A	YL118	75,000	11,116	63,884	OVERHAULED
SA165	Pin - Downlock to Reaction Link MLG	161A2123-1	EXC0377	N/A	YL118	75,000	11,116	63,884	OVERHAULED
SA2-65	Pin - Apex, Downlock MLG	161A2124-1	EXC0364	N/A	YL118	75,000	11,116	63,884	OVERHAULED
MC35A	Pin - Downlock Actuator MLG	161A2318-1	ACR3254	N/A	YL118	75,000	11,116	63,884	OVERHAULED
SA25	Pin - Spring Assy., Outboard, Downlock MLG	161A2325-1	ACR0022	N/A	YL118	75,000	11,116	63,884	OVERHAULED
MC15B	Pin-Side of Body Joint MLG	161A2330-2	E5369	N/A	YL118	75,000	11,116	63,884	OVERHAULED
MC20A	Pin - Side Strut, Outer Cylinder MLG	161A2331-1	E5029	N/A	YL118	75,000	11,116	63,884	OVERHAULED
MC25A	Pin - Reaction Link to Trunnion MLG	161A2332-1	E1918	N/A	YL118	75,000	11,116	63,884	OVERHAULED
SA510	Reaction Link Assy. - MLG	161A4100-2	MK2871	161A4100-1	YL118	75,000	11,116	63,884	OVERHAULED
SA570	Hanger Link Assy. - MLG	161A4300-2	VS2677	161A4300-1	YL118	75,000	11,116	63,884	OVERHAULED
SA505	Pin - Hanger Link to Reaction Link MLG	161A4302-1	ACR2899	N/A	YL118	75,000	11,116	63,884	OVERHAULED
WB45	Walking Beam Assy. - Retraction MLG	161A7111-2	86985-3987	161A7111-1	YL118	75,000	11,116	63,884	OVERHAULED
WB40	Link Assy. - Retraction MLG	161A7114-2	V1896	161A7114-1	YL118	75,000	11,116	63,884	OVERHAULED

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Airplane Model: 737-800

P.O Ref. 845649

Last Operator: ALASKA AIRLINES

Date of Overhaul: 7-5-2018

Site of Overhaul: Sunvair

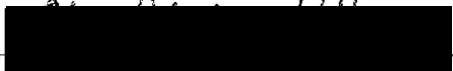
Job Number: SV-2467

REF. #	Part Name	Component Part Number	Part Serial Number	Assembly Number	Original Airplane Delivered	Part Life Limit	Cycles Since New	Remaining Cycles	Activity Type
WB35	Pin - Walking Beam Assy MLG	161A7118-1	E4799	N/A	YL118	75,000	11,116	63,884	OVERHAULED
WB165	Pin - Attachment, Link Assy. MLG	161A7301-1	E3453	N/A	YL118	75,000	11,116	63,884	OVERHAULED
WB170E	Pin - Attachment, Retraction Actuator MLG	161A7302-1	E6009	161A7000-3	YL118	75,000	11,116	63,884	OVERHAULED
WB175E	Pin - Attachment, Walking Beam MLG	161A7305-1	E5857	161A7000-4	YL118	75,000	11,116	63,884	OVERHAULED
BC55	Housing Assy - MLG	115A5240-3	A55P-P20071993	115A5240-1	YL118	75,000	11,116	63,884	OVERHAULED
OTHER ITEMS									
WT65	Axle Nut (2) pcs	161A1311-1	N/A	N/A	N/A	N/A	N/A	N/A	OVERHAULED
WT70	Axle Washer (2) pcs	161A1312-1	N/A	N/A	N/A	N/A	N/A	N/A	OVERHAULED
GA765	Orifice Plate	161A1161-1	CFN1420	N/A	YL118	N/A	11,116	N/A	OVERHAULED
GA635C	Carrier, MLG Upper Bearing	161A1167-5 161A1167-6	WHM5252	161A1167-4	YL118	N/A	11,116	N/A	OVERHAULED
GA605	Bearing	161A1168-1	WHM5288	N/A	YL118	N/A	11,116	N/A	OVERHAULED
GA760	Retainer Nut -Orifice Plate MLG	161A1171-1	CFN1760	N/A	YL118	N/A	11,116	N/A	OVERHAULED
WB40A	Ball, Split	N/A	E6140	161A7116-1	YL118	N/A	11,116	N/A	OVERHAULED
555	GLAND NUT	161A1154-1	MBM1665	N/A	YL118	N/A	11,116	N/A	OVERHAULED

Authorized Signature: _____

1. Approving Civil Aviation Authority/Country: FAA/UNITED STATES		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG			3. Form Tracking Number: SV-2467-BU	
4. Organization Name and Address: Sunvair Inc. 29145 The Old Road Valencia, CA 91355				Repair Station Number: WI2R267L		5. Work Order/Contract/Invoice Number: 845649
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:	
01	MLG- Customer End Item	001A6103-45	1	MAL05621Y2721	OVERHAULED	
12. Remarks: ITEM 01 WAS OVERHAULED IN ACCORDANCE WITH BOEING CMM 32-11-16 REVISION 39 DATED 3-1-2018 AND ALASKA AIRLINES BUILD SPECIFICATION NG-32BS-04113 REV. 4 DTD 9-15-2016 AND ASA DEVIATION FORM REF#112 & 9558-9559. SEE ATTACHED DOCUMENTATION FOR LLP'S INSTALLED, TRACEABILITY, CSN, S.B. AND A.D. MODIFICATION LIST. TOTAL CYCLES SINCE NEW 11,116. REMOVED FROM ALASKA AIRLINES AIRCRAFT YL118, S/N: 35192 TIME SINCE OVERHAUL 0.00 Pertinent data of the work order is on file at this agency under the work order number given in Block 3 and the attached Work Statement. Customer must confirm all repair data is acceptable as listed on teardown report						
13a. Certifies the items identified above were manufactured in conformity to: ☐ Approved design data and are in a condition for safe operation. ☐ Non-approved design data specified in Block 12.			14a. ☒ 14 CFR 43.9 Return to Service ☐ 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:		13c. Approval/Authorization No.:		14b. Authorized Signature:		14c. Approval/Certificate No.:
						WI2R267L
13d. Name (Typed or Printed):		13e. Date (m/d/yy):		14d. Name (Typed or Printed)		14e. Date (dd/mm/yyyy):
				MIKE WASCHAK		05 JUL 2018
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. Approving Civil Aviation Authority/Country: FAA/UNITED STATES		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG			3. Form Tracking Number: SV-2467-GA	
4. Organization Name and Address: Sunvair Inc. 29145 The Old Road Valencia, CA 91355				Repair Station Number: WI2R267L		
5. Work Order/Contract/Invoice Number: 845649						
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:	
01	Component Instl-L/H	161A1100-53	1	MAL05621Y2721	OVERHAULED	
12. Remarks: ITEM 01 WAS OVERHAULED IN ACCORDANCE WITH BOEING CMM 32-11-12 REVISION 50 DATED 3-1-2018 AND ALASKA AIRLINES BUILD SPECIFICATION NG-32BS-04113 REV. 4 DTD 9-15-2016. SEE ATTACHED DOCUMENTATION FOR LLP'S INSTALLED, TRACEABILITY, CSN, S.B. AND A.D. MODIFICATION LIST. TOTAL CYCLES SINCE NEW 11,116. REMOVED FROM ALASKA AIRLINES AIRCRAFT YL118, S/N: 35192 TIME SINCE OVERHAUL 0.00 Pertinent data of the work order is on file at this agency under the work order number given in Block 3 and the attached Work Statement. Customer must confirm all repair data is acceptable as listed on teardown report						
13a. Certifies the items identified above were manufactured in conformity to: ☐ Approved design data and are in a condition for safe operation. ☐ Non-approved design data specified in Block 12.			14a. ☒ 14 CFR 43.9 Return to Service ☐ 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:		13c. Approval/Authorization No.:		14b. Authorized Signature:		14c. Approval/Certificate No.:
						WI2R267L
13d. Name (Typed or Printed):		13e. Date (m/d/y):		14d. Name (Typed or Printed):		14e. Date (dd/mm/yyyy):
				MIKE WASCHAK		05 JUL 2018
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. Approving Civil Aviation Authority/Country: FAA/UNITED STATES		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG			3. Form Tracking Number: SV-2467-MC2-1F	
4. Organization Name and Address: Sunvair Inc. 29145 The Old Road Valencia, CA 91355				Repair Station Number: WI2R267L		
5. Work Order/Contract/Invoice Number: 845649						
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:	
01	Pin Assy-Aft Trunnion Bearing	161A1192-13	1	E5514	OVERHAULED	
12. Remarks: ITEM 01 WAS OVERHAULED IN ACCORDANCE WITH BOEING CMM 32-11-09 REVISION 32 DATED 3-1-2018 AND ALASKA AIRLINES BUILD SPECIFICATION NG-32BS-04113 REV. 4 DTD 9-15-2016. AND WAS MODIFIED IN ACCORDANCE WITH BOEING SERVICE BULLETIN 737-32-1448 REV. 1 DTD 5-29-2015. ASSEMBLY CONTAINS LIFE LIMITED COMPONENT 161A1192-4 S/N E5514 TOTAL CYCLES SINCE NEW 11,116. REMOVED FROM ALASKA AIRLINES AIRCRAFT YL118, S/N: 35192 TIME SINCE OVERHAUL 0.00						
Pertinent data of the work order is on file at this agency under the work order number given in Block 3 and the attached Work Statement. Customer must confirm all repair data is acceptable as listed on teardown report						
13a. Certifies the items identified above were manufactured in conformity to: ☐ Approved design data and are in a condition for safe operation. ☐ Non-approved design data specified in Block 12.			14a. ☒ 14 CFR 43.9 Return to Service ☐ 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:		13c. Approval/Authorization No.:		14b. Authorized Signature:		14c. Approval/Certificate No.: WI2R267L
				 MIKE WASCHAK		
13d. Name (Typed or Printed):		13e. Date (m/d/y):		14d. Name (Typed)		14e. Date (dd/mm/yyyy): 05 JUL 2018
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.						

PART NAME: MLG MINOR COMPONENTS (800)

PART NUMBER: 001A6103-MC8

NEXT
HIGHER
ASSEMBLY**SUNVAIR**BILL OF
MATERIALS

JO: SV-2467-4

P/N: 001A6103-MC8

DESC: MLG MINOR COMPONENT

CUS #: ALASKA AIRLINES

I D: 845649

PART D: SV-2467-MC

E N: NONE

CA M: 737-32-11-09

FIG. 1	MANUAL: 32-11-09	AIRCRAFT: 737NG (800)	R E Q D	R E C D	S C R P	U S A S	R W K	M A K E	C O M P	B U Y	COMMENTS	C O D E	P W K
INDEX	PART NUMBER	DESCRIPTION											
	NONE	MLG GEAR INSTALLATION COMPONENTS											
5A	161A1191-1	PIN-AFT TRUNNION CROSSBOLT	1	1			1				LIFE LIMITED S/N: <i>LT 0092</i>	3	Y
10C	161A1192-3	PIN-AFT TRUNNION BEARING	1	0							LIFE LIMITED S/N:	3	Y
2-1F	161A1192-13	PIN-AFT TRUNNION BEARING (POST S/B: 32-1448)	1	1			1				LIFE LIMITED S/N: <i>E 5514</i>	3	Y
2-5A	161A1193-1	*BUSHING	1	1	1							4	
2-5C	161A1193-3	*BUSHING (POST S/B: 32-1448)	1	0				1				4	
2-10B	161A1192-4	*PIN	1	1			1					3	
15B	161A2330-2	PIN-BODY JOINT	1	1			1				LIFE LIMITED S/N: <i>E 5369</i>	3	Y
20A	161A2331-1	PIN-SIDE STRUT	1	1			1				LIFE LIMITED S/N: <i>E 5029</i>	3	Y
25A	161A2332-1	PIN-SIDE STRUT	1	1			1				LIFE LIMITED S/N: <i>E 1918</i>	3	Y
30A	161A0101-1	RING ASSY-SUPPORT	1	0		X	X	X	X	X		3	
3-5B	161A0101-2	*RING HALF	1	0		X	X	X	X	X		3	
3-10A	161A0101-3	*RING HALF	1	0		X	X	X	X	X		3	

QC APPROVED

FAUSERSJOE FELIXBOMS\737 NG MAIN

USAGE CODES: (1=SCRAP & BUY) (2=INSPECT, USE AS IS IF ACCEPTABLE)

(3=INSPECT & DISPOSITION) (4=SCRAP & MAKE)

PAPERWORK CODES: Y=INDIVIDUAL ROUTER I=INSPECT ROUTER

C=CAD GROUP ROUTER M=MAG GROUP ROUTER

P=PENETRANT GROUP ROUTER MP=MAG-PASSIVATE GROUP ROUTER Page 1 of 3

JUN 12 2017



SUNVAIR, INC. WORK STATEMENT
FAA APPROVED REPAIR STATION # W12R267L

CUSTOMER	ALASKA AIRLINES
P.O. NUMBER	845649
JOB NUMBER	SV-2467-MC-2-1F
SERIAL NUMBER	E5514
PART NAME	PIN ASSY.- AFT TRUNNION
PART NUMBER	161A1192-13
CMM	32-11-09
MATERIAL	4340M STEEL 270-300 KSI
QUANTITY	1
PROJECT	737

10	INSPECT VERIFY P/N AND SERIAL NUMBER	COMPLETED
20	PERMANENTLY IDENTIFY WITH JOB I.D. # ON NON FUNCTIONAL, LOW STRESS AREA	COMPLETED
25	REMOVE BUSHINGS AND LUBE FITTINGS CLEAN AND DEGREASE AS REQUIRED	COMPLETED
30	PLASTIC MEDIA BLAST TO REMOVE PAINT AND GLASS BLAST TO REMOVE CAD	COMPLETED
40	INSPECT TO DETERMINE WORK SCOPE	COMPLETED
50	GRIND 3.2480- 3.2490 OD TO REMOVE DEFECTS, 3.2180 MIN. RWK DIA, 32F	COMPLETED
60	BREAK SHARP EDGES FROM MACHINE OPERATIONS	COMPLETED
70	INSPECT AND RECORD	COMPLETED
80	NITAL ETCH INSPECT PER SOPM 20-10-02 REV. '45'	COMPLETED
90	BAKE (4) HOURS MINIMUM AT 350°- 400° F.	COMPLETED
100	MAG INSPECT PER ASTM E1444/ E1444M 06/01/2016, ACCEPT/ REJECT PER MIL- STD- 1907 REV. 89, CHANGE NOTICE 4 DATED 26 SEPTEMBER 2002, GRADE A	COMPLETED
110	SHOTPEEN PER BOEING SOPM 20-10-03 REV. "45"	COMPLETED
120	CHROME PLATE PER SOPM 20-42-03 REV. "34" (REF. BAC 5709 CL 3 REV. "W" OPT) AND BAKE (6) HOURS MINIMUM AT 350°- 400° F.	COMPLETED
130	INSPECT VISUALLY AND DIMENSIONALLY	COMPLETED
140	GRIND O.D. TO 3.2480- 3.2490 DESIGN DIAMETER, 32 FINISH	COMPLETED
150	DEBURR AND BREAK SHARP EDGES OF PLATED SURFACES	COMPLETED
160	INSPECT	COMPLETED
170	LOW HYDROGEN EMBRITTLEMENT CADMIUM PLATE PER SOPM 20-42-01 (REV. 29) AND BAKE (23) HOURS MINIMUM AT 350°- 400° F.	COMPLETED
180	INSPECT VISUALLY AND DIMENSIONALLY	COMPLETED
190	MAG INSPECT PER ASTM E1444/ E1444M 06/01/2016, ACCEPT/ REJECT PER MIL- STD- 1907 REV. 89, CHANGE NOTICE 4 DATED 26 SEPTEMBER 2002, GRADE A	COMPLETED
200	INSTALL SLEEVES AS REQUIRED PER CMM, BUSHING INSTALLATION	COMPLETED
210	HONE BUSHINGS I.D. TO .7515- .7505, 63 FINISH	COMPLETED
220	BREAK EDGES OF BUSHINGS AS NECESSARY	COMPLETED
230	INSPECT	COMPLETED
240	PRIME WITH BMS 10-79 TYPE 3 PRIMER AND TOP COAT WITH BMS 10-60 TYPE 1 ENAMEL PER SOPM 20-44-04 (REV. 15)	COMPLETED
250	TO I.D. APPLY MIL-C-11796, CLASS I CORROSION PREVENTIVE COMPOUND	COMPLETED
255	RUBBER STAMP P/N :161A1192-13 ON END FACE OF THE SHORT SIDE	COMPLETED
260	CLEAN, IDENTIFY AND INSTALL DETAIL ITEMS PER CMM AS NECESSARY	COMPLETED



SUNVAIR, INC. WORK STATEMENT
FAA APPROVED REPAIR STATION # WI2R267L

270	INSPECT FINAL	COMPLETED
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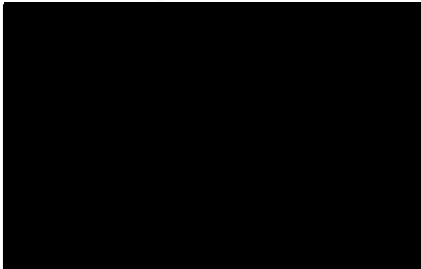
SV-2467-MC-2-1F

PROCESSING COMPLETED 06/30/2018

****ALL CERTIFICATION AND BACKUP PAPERWORK ON FILE

****ALL OPERATIONS MARKED COMPLETED ARE COMPLETE AND ALL OPERATIONS MARKED NOT REQUIRED ARE NOT REQUIRED.

INSPECTED BY:



Sunvair Job Traveler



WO: SV-2467-4-1

PN: 161A1192-13

S/N: E5514

Description: PIN ASSY, - AFT TRUNNION

CMM: 737-32-11-09 Rev: 32 Date: 3/1/2018

Life Limited: Yes Tracked: No

Work Type: OVERHAUL

Cust/P.O.: ALASKAAI / 845649

Material: 4340M STEEL 270-300 KSI

Order Rec: 5/30/2018

Planned By: N. WASCHAK

Approved By: M. WASCHAK

FORM SV-02

Op Seq	Wrk Center	Oper.	Description	Oper. Qty
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NHW Part: 001A6103-MC8

NHW Job: SV-2467-4

COMMENTS:

10	INSP	IVP	IVP-INSPECT VERIFY P/N	1	Operation 10
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Start:

Complete



719290S



719290C

STAMP/DATE/QT

MAY 31 2018

INSPECT VERIFY P/N & SERIAL NUMBER. INSPECT FOR POSSIBLE HIDDEN DAMAGE, NOT IMMEDIATELY APPARENT. SPECIAL ATTENTION SHOULD BE GIVEN TO ALL AREAS ADJACENT TO OBVIOUS DAMAGE AND TO AREAS WHERE THE NATURE OF THE DAMAGING FORCES COULD HAVE DISPLACED MATERIAL SUCH AS A SHARP DENT OR DING IN VALVE HOUSINGS, ETC., WHICH MAY HAVE DAMAGED A WORKING SURFACE OR INTERNAL PARTS. REVIEW CUSTOMER ORDER AND VERIFY WORKSCOPE REQUIRED AND CHECK FOR ANY SPECIAL INSTRUCTIONS.

*****VERIFY THAT LIFE LIMITED PARTS HAVE SUFFICIENT REMAINING LIFE FOR OVERHAUL. NOTIFY CHIEF INSPECTOR FOR DISPOSITION IF PART DOES NOT HAVE SUFFICIENT REMAINING CYCLES.*****

Inspect in accordance with CMM/OHM: 737-32-11-09

20	TEARDOWN	PID	ID1 IDENTIFY WITH I.D. # PERM	1	Operation 20
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Start:

Complete



719291S



719291C

STAMP/DATE/QT

JUN 11 2018

Completed by:

Date: MAY 31 2018 Qty: 1

PERMANENTLY IDENTIFY WITH JOB I.D. # ON NON CRITICAL NON FUNCTIONAL LOW STRESS AREA. DO NOT MARK ON RADIUS OR PLATED SURFACES.

25	TEARDOWN	RB	RB-REMOVE BUSHINGS	1	Operation 25
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Start:

Complete



719292S



719292C

STAMP/DATE/QT

JUN 11 2018

Completed by:

Date: MAY 31 2018 Qty: 1

REMOVE BUSHINGS AND LUBE FITTINGS CLEAN AND DEGREASE AS REQUIRED.

WORK SUPERVISED
BY: M. WASCHAK

AUG 06 2018

Rep. #



WO: SV-2467-4-1

PN: 161A1192-13

S/N: E5514

Description: PIN ASSY. - AFT TRUNNION

CMM: 737-32-11-09 Rev: 32 Date: 3/1/2018

Life Limited: Yes Tracked: No

Work Type: OVERHAUL

Cust/P.O.: ALASKAAI / 845649

Material: 4340M STEEL 270-300 KSI

Order Rec: 5/30/2018

Planned By: N. WASCHAK

Approved By: M. WASCHAK

FORM SV-02

Op Seq	Wrk Center	Oper.	Description	Oper. Qty	
30	TEARDOWN	RPC	RPC-REMOVE PAINT AND CAD	1	Operation 30
Start:			Complete		
719293S			719293C		
Completed by:			Date:	Qty:	

STAMP/DATE/QTY

JUN 01 2018

***** REMOVE GREASE FROM LUBE PASSAGES PRIOR BLASTING PARTS.*****

**STEEL PARTS: PLASTIC MEDIA BLAST TO REMOVE PAINT AND GLASS BLAST TO REMOVE CAD PLATE FROM STEEL PARTS. BE CAREFUL NOT TO DAMAGE CHROME, NICKEL OR OTHER PLATED SURFACES. TAKE CARE NOT TO REMOVE BASE MATERIAL.

**ALUMINUM PARTS CHEMICAL STRIP USING NON EMBRITTLING PAINT STRIPPER CEE-BEE A-215 ONLY UNLESS SPECIFICALLY INSTRUCTED OTHERWISE.

BE CAREFUL NOT TO GET BLAST MEDIA TRAPPED IN INTERNAL PASSAGEWAYS.

AFTER STRIPPING ENSURE THAT ALL FINISHES ARE REMOVED AND THAT ALL MEDIA IS CLEANED FROM THE PARTS. PAY PARTICULAR ATTENTION TO I.D.'S AND LUBE PASSAGES.

****CAREFULLY EXAMINE PART AND VERIFY COMPLETE PAINT, PRIMER AND CAD PLATE REMOVAL AFTER BLASTING *****

Op Seq	Wrk Center	Oper.	Description	Oper. Qty	
40	INSP	INGEN	I1-INSPECT-DETERMINE WORK SCOP	1	Operation 40
Start:			Complete		
719294S			719294C		

STAMP/DATE/QTY

JUN 01 2018

INSPECT TO DETERMINE WORK SCOPE. VISUALLY INSPECT FOR EVIDENCE OF STRUCTURAL FAILURE, AS WELL AS FOR NICKS, BURRS, CRACKS, CORROSION, OR OTHER DAMAGE AND WEAR. CHECK THREADS FOR STRIPPING, CROSS THREADING, OR WEAR. CHECK PLATED SURFACES. DIMENSIONALLY INSPECT AND RECORD ON PAGES NOTED BELOW. CHECK CUSTOMER P.O FOR ANY SPECIAL INSTRUCTIONS OR ADDITIONAL WORK REQUIREMENTS. DISPOSITION NECESSARY WORK SCOPE. VERIFY THREAD SIZE NON STANDARD CONDITIONS SUCH AS OVERSIZE OR UNDERSIZE THREADS AND RECORD AS NECESSARY.

**FOR ALL BOEING MODELS VERIFY THAT HIGH STRENGTH STEEL PARTS HAVE CAD PLATE AND PAINT COMPLETELY STRIPPED AT EACH OVERHAUL.

PP1, PP2

Inspect in accordance with CMM/OHM: 737-32-11-09



WO: SV-2467-4-1

PN: 161A1192-13

S/N: E5514

Description: PIN ASSY. - AFT TRUNNION

CMM: 737-32-11-09 Rev: 32 Date: 3/1/2018

Life Limited: Yes Tracked: No

Work Type: OVERHAUL

Cust/P.O.: ALASKAAI / 845649

Material: 4340M STEEL 270-300 KSI

Order Rec: 5/30/2018

Planned By: N. WASCHAK

Approved By: M. WASCHAK

FORM SV-02

Op Seq	Wrk Center	Oper.	Description	Oper. Qty
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50	MACHINE	ODGRI	O.D GRINDERS-BL	1	Operation 50
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Start: Complete



719295S



719295C

STAMP/DATE/QTY

JUN 07 2018

Completed by: [REDACTED] Date: 6-6-18 Qty: 1

***NOTE: LOCATE HIGH SPOTS PRIOR TO GRINDING TO AVOID EXCESSIVE INFEED ***

GRIND MACH. USED: #9

GRINDING WHEEL: ALUM OXIDE, GRIT 46/90, GRADE H-K, STRUCTURE 6-10.

ACT: 38A54H8 V86

MAX WHEEL SPEED S.F.M.: 2000-6500. ACT: 4300

WORK SPEED RANGE S.F.M.: 30-200 ACT: 68

CROSS FEED WHEEL WIDTH: 1/8 - 1/4 (PER PART REV.) ACT: 1/4

DRESS WHEEL FREQUENTLY AND WITHIN 0.003 OF FINAL SIZE. RECORD SIZE AT FINAL DRESS N/A

MAXIMUM IN FEED ROUGH PER PASS: 0.0005 (STEEL) / 0.0005 (CHROME) ACT: .0005

MAXIMUM IN FEED FINISH PER PASS: 0.0005 (STEEL) / 0.0002 (CHROME) ACT: .0005

NOTE: FOR PLUNGE GRIND USE 0.0001 MAX. IN FEED PER REVOLUTION OF PART ROUGH AND FINISH.

MIN. STOCK LEFT FOR FINISH TO FINAL DIMENSION 0.004 (STEEL) 0.001 (CHROME) DRESS WHEEL PRIOR TO FINISH.

*****INSPECTION: RECORD FINAL SIZE AFTER CHROME GRIND: N/A *****

UNLESS OTHERWISE NOTED FINISHES ARE IN MICROINCH.

GRIND 3.2480-3.2490 OD TO REMOVE DEFECTS. 3.2180 MINIMUM REWORK DIAMETER. 32 FINISH

PP2

60	DEBURR	BE1	BE1-BREAK EDGES AFTER MACHINE	1	Operation 60
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Start: Complete



719296S



719296C

STAMP/DATE/QTY

JUN 07 2018

Completed by: [REDACTED] Date: 6-7-18 Qty: 1

BREAK SHARP EDGES FROM MACHINE OPERATIONS. BLEND MACHINE MISMATCHES TO MINIMUM .180 MIN RADIUS OR TO MATCH EXISTING FILLET RADIUS IF WITHIN .100 OF EXISTING FILLET RADIUS. BREAK EDGES OF MACHINED HOLES .030-.040 R UNLESS OTHERWISE NOTED. CLEAN UP PART. TAKE CARE NOT TO OVERHEAT THE PART DURING BLENDING. TEMPERATURE OF THE PART SHALL NOT EXCEED THAT AT WHICH THE PART CAN BE TOUCHED WITH THE HAND COMFORTABLY.

70	INSP	INS	INSPECT-RECORD ISS BUSH & PLAT	1	Operation 70
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Start: Complete



719297S



719297C

STAMP/DATE/QTY

JUN 07 2018

INSPECT-RECORD ISSUE BUSHING AND/OR PLATING SKETCHES AS REQUIRED.
AND COMPLETE DISPOSITION AS NECESSARY.

PP1

Inspect in accordance with CMM/OHM: 737-32-11-09



WO: SV-2467-4-1

PN: 161A1192-13

S/N: E5514

Description: PIN ASSY. - AFT TRUNNION

CMM: 737-32-11-09 Rev: 32 Date: 3/1/2018

Life Limited: Yes Tracked: No

Work Type: OVERHAUL

Cust/P.O.: ALASKAAI / 845649

Material: 4340M STEEL 270-300 KSI

Order Rec: 5/30/2018

Planned By: N. WASCHAK

Approved By: M. WASCHAK

FORM SV-02

Op Seq	Wrk Center	Oper.	Description	Oper. Qty	
80	OP	NE1	NITAL ETCH BACO SOPM 20-10-02	1	Operation 80
Start:			Complete		
719298S			719298C		
Verified by:			Date: JUN 07 2018	Qty: 1	
Order Number Reference: <u>R171553</u>					
NITAL ETCH INSPECT PER BACO SOPM 20-10-02 REV. 45 AND PER SKETCH PP3					
90	BAKE	B4	BAKE 4 HOURS 350-400 DEG	1	Operation 90
Start:			Complete		
719299S			719299C		
Verified by:			Date: JUN 07 2018	Qty: 1	
Order Number Reference: <u>R171553</u>					
BAKE (4) HOURS MINIMUM @ 350-400 DEGREES F PP3					
100	NDT	MI	MI-MAG INSPECT PER ASTM E 1444	1	Operation 100
Start:			Complete		
719300S			719300C		
Completed by:			Date: 6/9/18	Qty: 1	
MAG INSPECT PER ASTM E1444/E1444M 6/1/2016. ACCEPT/REJECT PER MIL-STD-1907 REV. 89, CHANGE NOTICE 4 DATED 26 SEPTEMBER 2002, GRADE A ALL PLATED SURFACES TO BE CHECKED USING WET CONTINUOUS METHOD OF EXAMINATION.					
TECHNICAL DATA SHEET: <u>On file</u> RESIDUAL MAGNETISM LEVEL: <u>2 Gauss</u> POST MAG CLEAN: AQUEOUS CLEAN (SPRAY) TEMPERATURE: 130/150 DEGREES FAHRENHEIT. RECORD ACTUAL TEMPERATURE: <u>140F</u> CLEANED BY: <u>Ac</u> PP5					



WO: SV-2467-4-1

PN: 161A1192-13

S/N: E5514

Description: PIN ASSY. - AFT TRUNNION

CMM: 737-32-11-09 Rev: 32 Date: 3/1/2018

Life Limited: Yes Tracked: No

Work Type: OVERHAUL

Cust/P.O.: ALASKAAI / 845649

Material: 4340M STEEL 270-300 KSI

Order Rec: 5/30/2018

Planned By: N. WASCHAK

Approved By: M. WASCHAK

FORM SV-02

Op Seq	Wrk Center	Oper.	Description	Oper. Qty	Operation
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110	OP	SPBOM	SP2-SHOTPEEN PER BOEING OHM	1	110
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Start: Complete



719301S



719301C

STAMP/DATE/QTY

DATE: 6/11/18 SHIPPER: PEEN-RITE

CERT: 315804-4 DATE 13 Jun 18

SHOTPEEN PER BOEING SOPM 20-10-03, REV. '45' AND PER SKETCH.
COVERAGE TO BE 200 % UNLESS OTHERWISE NOTED ON SKETCH.
PP3

120	OP	CHP1	CHROME PER SOPM 20-42-03 B6	1	120
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Start: Complete



719302S



719302C

STAMP/DATE/QTY

Verified by: Date: JUN 14 2018 Qty: 1

Order Number Reference: R171828

CHROME PLATE PER SOPM 20-42-03 REV. 34 (REF. BAC 5709 CL 3 REV. 'W' OPT) AND PER SKETCH. NOTE: USE CLASS (3) METHOD FOR
STEEL PARTS OVER 220 KSI.
BAKE (6) HOURS MINIMUM AT 350-400 DEGREES F.NOTE: WHEN MULTIPLE CHROMIUM PLATING OPERATIONS ARE PERFORMED, EMBRITTLEMENT RELIEF SHALL BE PERFORMED AFTER
EACH MULTIPLE STEP CHROMIUM PLATING OPERATION, UNLESS TIME FROM INITIAL APPLICATION OF PLATING CURRENT TO THE PART,
AND START OF BAKE IS LESS THAN 24 HOURS. BAKE AFTER CHROMIUM PLATING MAY BE DELAYED IF THE PART IS TO BE CADMIUM
PLATED AND THE CADMIUM PLATE BAKE OPERATION IS STARTED WITHIN 4 HOURS AFTER THE CHROMIUM PLATING OPERATION IS
COMPLETED

PP4

130	INSP	IVC	IVD INSPECT VERIFY DIMENSIONS.	1	130
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Start: Complete



719303S



719303C

STAMP/DATE/QTY

INSPECT- VISUALLY AND DIMENSIONALLY INSPECT AS NECESSARY TO ENSURE COMPLIANCE WITH REQUIREMENTS.



WO: SV-2467-4-1

PN: 161A1192-13

S/N: E5514

Description: PIN ASSY. - AFT TRUNNION

CMM: 737-32-11-09 Rev: 32 Date: 3/1/2018

Life Limited: Yes Tracked: No

Work Type: OVERHAUL

Cust/P.O.: ALASKAAI / 845649

Material: 4340M STEEL 270-300 KSI

Order Rec: 5/30/2018

Planned By: N. WASCHAK

Approved By: M. WASCHAK

FORM SV-02

Op Seq	Wrk Center	Oper.	Description	Oper. Qty	
140	MACHINE	ODGRI	O.D GRINDERS-BL	1	Operation 140

Start:

Complete



719304S



719304C

STAMP/DATE/QTY

Completed by

Date: 6-7-18 Qty: 1

***NOTE: LOCATE HIGH SPOTS PRIOR TO GRINDING TO AVOID EXCESSIVE INFEEED ***

GRIND MACH. USED: 44

GRINDING WHEEL: ALUM OXIDE, GRIT 46/90, GRADE H-K, STRUCTURE 6-10.

ACT: 3.460118 VRE

MAX WHEEL SPEED S.F.M.: 2000-6500. ACT: 2070

WORK SPEED RANGE S.F.M.: 30-200 ACT: 39

CROSS FEED WHEEL WIDTH: 1/8 - 1/4 (PER PART REV.) ACT: 1/4

DRESS WHEEL FREQUENTLY AND WITHIN 0.003 OF FINAL SIZE. RECORD SIZE AT FINAL DRESS 3.250

MAXIMUM IN FEED ROUGH PER PASS: 0.0005 (STEEL) / 0.0005 (CHROME) ACT: 0.0005

MAXIMUM IN FEED FINISH PER PASS: 0.0005 (STEEL) / 0.0002 (CHROME) ACT: 0.0002

NOTE: FOR PLUNGE GRIND USE 0.0001 MAX. IN FEED PER REVOLUTION OF PART ROUGH AND FINISH.

MIN. STOCK LEFT FOR FINISH TO FINAL DIMENSION 0.004 (STEEL) 0.001 (CHROME) DRESS WHEEL PRIOR TO FINISH.

*****INSPECTION: RECORD FINAL SIZE AFTER CHROME GRIND: 3.2485 *****

UNLESS OTHERWISE NOTED FINISHES ARE IN MICROINCH.

GRIND OD TO 3.2480 - 3.2490 DESIGN DIAMETER. 32 FINISH.

PP2

150	DEBURR	BE2	BE2-BREAK EDGES AFTER PLATE	1	Operation 150
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Start:

Complete



719305S



719305C

STAMP/DATE/QTY

Completed by

Date: JUN 26 2018 Qty: 1

DEBURR & BREAK SHARP EDGES OF PLATED SURFACES. EDGES SHOULD BE FEATHERED TO A SMOOTH TRANSITION. NO ABRUPT STEPS. CLEAN PART WITH SOLVENT IF NECESSARY. TAKE CARE NOT TO DISTURB THE UNDERLYING BASE MATERIAL 32F REQUIRED.

160	INSP	INSP1	INSPECT	1	Operation 160
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Start:

Complete



719306S



719306C

STAMP/DATE/QTY

INSPECT

Inspect in accordance with CMM/OHM: 737-32-11-09



WO: SV-2467-4-1

PN: 161A1192-13

S/N: E5514

Description: PIN ASSY. - AFT TRUNNION

CMM: 737-32-11-09 Rev: 32 Date: 3/1/2018

Life Limited: Yes Tracked: No

Work Type: OVERHAUL

Cust/P.O.: ALASKAAI / 845649

Material: 4340M STEEL 270-300 KSI

Order Rec: 5/30/2018

Planned By: N. WASCHAK

Approved By: M. WASCHAK

FORM SV-02

Op Seq	Wrk Center	Oper.	Description	Oper. Qty
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170	OP	CAD7	CAD LHE/TY2 BOE SOPM 20-42-01	1
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Operation 170

Start:

Complete



719307S



719307C

STAMP/DATE/QT

Verified by:  Date: JUN 26 2018 Qty: 1

Order Number Reference: R172348

LOW HYDROGEN EMBRITTLEMENT CADMIUM PLATE PER SOPM 20-42-01 (REV 29) AND PER SKETCH.

BAKE (23) HRS MINIMUM @ 350°-400° FAHRENHEIT.

POST PLATE CHROMATE TREATMENT IS REQUIRED.

NOTE: OMIT-MAGNETIC PARTICLE INSPECTION REQUIREMENT.

TO BE COMPLETED AS NECESSARY BY SUNVAIR.

PP5

180	INSP	IVC	IVD INSPECT VERIFY DIMENSIONS.	1
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Operation 180

Start:

Complete



719308S



719308C

STAMP/DATE/QT

INSPECT- VISUALLY AND DIMENSIONALLY INSPECT AS NECESSARY TO ENSURE COMPLIANCE WITH REQUIREMENTS.

190	NDT	MI	MI-MAG INSPECT PER ASTM E 1444	1
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Operation 190

Start:

Complete



719309S



719309C

STAMP/DATE/QT

Completed by:  Date: 6/28/18 Qty: 1

MAG INSPECT PER ASTM E1444/E1444M 8/1/2016.

ACCEPT/REJECT PER MIL-STD-1907 REV. 89, CHANGE NOTICE 4 DATED 26 SEPTEMBER 2002, GRADE A
ALL PLATED SURFACES TO BE CHECKED USING WET CONTINUOUS METHOD OF EXAMINATION.

TECHNICAL DATA SHEET: On File RESIDUAL MAGNETISM LEVEL: 2.2 GAUSS

POST MAG CLEAN: AQUEOUS CLEAN (SPRAY) TEMPERATURE: 130/150 DEGREES FAHRENHEIT.

RECORD ACTUAL TEMPERATURE: 140°C CLEANED BY: AR

PP5



WO: SV-2467-4-1

PN: 161A1192-13

S/N: E5514

Description: PIN ASSY. - AFT TRUNNION

CMM: 737-32-11-09 Rev: 32 Date: 3/1/2018

Life Limited: Yes Tracked: No

Work Type: OVERHAUL

Cust/P.O.: ALASKAAI / 845649

Material: 4340M STEEL 270-300 KSI

Order Rec: 5/30/2018

Planned By: N. WASCHAK

Approved By: M. WASCHAK

FORM SV-02

Op Seq	Wrk Center	Oper.	Description	Oper. Qty
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200	BUSH	ISL	INSTALL SLEEVES	1
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Start:

Complete



719310S



719310C

Completed by

Date: 6-28-2018 Qty: 1

STAMP/DATE/QT

INSTALL SLEEVES AS REQUIRED PER CMM.

BUSHING INSTALLATION:

HOLES TO BE DRY PRIMERED PRIOR TO INSTALLATION (SEE PAINT OPERATION FOR PRIMER REQUIREMENT). INSTALL SLEEVE WITH BMS 5-95 SEALANT FOR INCREASED CORROSION PROTECTION.

WHEN PRESENT ENSURE THAT LUBE PASSAGES ARE NOT OBSTRUCTED BOTH PRIOR TO BUSHING INSTALLATION AND AFTER INSTALLATION.

*! *! *! INSTALL POST S/B: 32-1448 BUSHINGS P/N: 161A1193-3 OR EQUIVALENT ONLY *! *! *

210	MACHINE	HONE	HONE-BL	1
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Start:

Complete



719311S



719311C

Completed by

Date: 6-28-18 Qty: 1

STAMP/DATE/QT

UNLESS OTHERWISE NOTED FINISHES ARE IN MICROINCHES.

HONE BUSHING ID TO .7515 - .7505 63 FINISH

PP6

220	DEBURR	BE3	BE3-BREAK EDGE AFT BUSH CL DET	1
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Start:

Complete



719312S



719312C

Completed by

Date: JUN 28 2018 Qty: 1

STAMP/DATE/QT

BREAK EDGES OF BUSHINGS AS NECESSARY.

CLEAN AND DETAIL FOR PAINT/FINAL INSPECTION.

ENSURE THAT BARE STEEL SURFACES ARE CLEAN AND FREE FROM OXIDATION AND STAINS/DISCOLORATION.

POLISH CHROME SURFACES AS NECESSARY TO REMOVE STAINS, MINOR IMPERFECTIONS AND CAD OVER RUN, .0001 MAX MATERIAL REMOVAL ENSURE THAT FINISH AND SIZE MEETS ORIGINAL DESIGN CALLOUT. MAKE SURE THAT THERE IS NO LOOSE OR UNADHERED CAD ON CHROME RUNOUTS.



WO: SV-2467-4-1

PN: 161A1192-13

S/N: E5514

Description: PIN ASSY. - AFT TRUNNION

CMM: 737-32-11-09 Rev: 32 Date: 3/1/2018

Life Limited: Yes Tracked: No

Work Type: OVERHAUL

Cust/P.O.: ALASKAAI / 845649

Material: 4340M STEEL 270-300 KSI

Order Rec: 5/30/2018

Planned By: N. WASCHAK

Approved By: M. WASCHAK

FORM SV-02

Op Seq	Wrk Center	Oper.	Description	Oper. Qty	Operation
230	INSP	INSP1	INSPECT	1	230
Start:			Complete		
719313S			719313C		
INSPECT					
Inspect in accordance with CMM/OHM: 737-32-11-09					

STAMP/DATE/QT

Op Seq	Wrk Center	Oper.	Description	Oper. Qty	Operation
240	PAINT	PP5	PRIME & PAINT BMS10-79/10-60	1	240
Start:			Complete		
719314S			719314C		
Completed			Date: 6/20/18 Qty: 1		

STAMP/DATE/QT

PRIME WITH BMS 10-79, TYPE 3 PRIMER (PRIMER TO BE APPLIED IN TWO COATS TO ACHIEVE A DRY FILM THICKNESS OF 0.0011-0.0021) AND TOP COAT WITH BMS 10-60 TYPE 1 ENAMEL PER SOPM 20-44-04 (REV 15) AND PER SKETCH. (TOP COAT TO BE APPLIED IN TWO COATS TO ACHIEVE A DRY FILM THICKNESS OF 0.0014-0.0024)

RECORD NOMINAL CAD THICKNESS: 0.0035 RECORD FINAL PRIMER THICKNESS 0.0011 RECORD FINAL THICKNESS PRIMER & ENAMEL 0.0035

ADHESION TEST PER BSS7225 FOR FINISHED HARDWARE DRY ADHESION NO SCRIBE: ACCEPT REJECT (CIRCLE ONE)

UNLESS OTHERWISE NOTED, APPLY WIPE PRIMER TO CHROME PLATED SURFACES, CAD PLATED THREADS AS FOLLOWS: 1. WIPE SOLVENT CLEAN THE SURFACE TO BE PRIMED, 2. USING WIPERS SOAKED IN PRIMER APPLY BMS 10-79 TYPE III PRIMER TO THE SURFACES AND SCRUB FOR 15-30 SECONDS PER SQUARE FOOT. 3. BEFORE THE PRIMER DRIES REMOVE THE UNWANTED PRIMER WITH CLEAN WIPERS. DO NOT USE SOLVENT. THE REMAINING PRIMER COAT MUST BE A THIN FILM TRANSLUCENT LAYER. 4. CURE FOR ONE HOUR MINIMUM AT ROOM TEMPERATURE. AFTER CURING THE PRIMER ON CHROME SURFACES MAY BE POLISHED LEAVING PRIMER ONLY IN THE POROSITY OF THE CHROME SURFACE.

WIPE CHROME SURFACE OF OD WITH BMS 10-79 TYPE 3 PRIMER.

PP7

Op Seq	Wrk Center	Oper.	Description	Oper. Qty	Operation
250	PAINT	ASSY	ASSEMBLY-GENERAL-BL	1	250
Start:			Complete		
719315S			719315C		
Completed by:			Date: 6/30/18 Qty: 1		

STAMP/DATE/QT

ASSEMBLE PER MANUFACTURERS OHM / CMM REQUIREMENTS.
TO ID, APPLY MIL-C-11796, CLASS 1 CORROSION PREVENTIVE COMPOUND.

PP7

Assemble in accordance with CMM/OHM:737-32-11-09



WO: SV-2467-4-1

PN: 161A1192-13

S/N: E5514

Description: PIN ASSY. - AFT TRUNNION

CMM: 737-32-11-09 Rev: 32 Date: 3/1/2018

Life Limited: Yes Tracked: No

Work Type: OVERHAUL

Cust/P.O.: ALASKAAI / 845649

Material: 4340M STEEL 270-300 KSI

Order Rec: 5/30/2018

Planned By: N. WASCHAK

Approved By: M. WASCHAK

FORM SV-02

Op Seq	Wrk Center	Oper.	Description	Oper. Qty
--------	------------	-------	-------------	-----------

255	PAINT	ASSY	ASSEMBLY-GENERAL-BL	1
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Operation 255

Start:

Complete



719316S

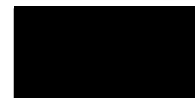


719316C

Completed by: [REDACTED]

Date: 6/30/18 Qty: 1

STAMP/DATE/QT



JUN 30 2018

ASSEMBLE PER MANUFACTURERS OHM / CMM REQUIREMENTS.

***** MANDATORY IDENTIFICATION *****

RUBBER STAMP P/N: 161A1192-13 ON END FACE OF THE SHORT SIDE.

ONLY USE INDEPENDANT INK INC. PERMANENT INK 73X. APPLY SKYDROL RESISTANT POLYURETHANE CLEAR COAT AFTER THE INK DRIES**

Assemble in accordance with CMM/OHM:737-32-11-09

260	PAINT	CI	CI-CLEAN AND IDENTIFY-FINAL	1
-----	-------	----	-----------------------------	---

Operation 260

Start:

Complete



719288S



719288C

Completed by: [REDACTED]

Date: 6/30/18 Qty: 1

STAMP/DATE/QT



JUN 30 2018

CLEAN, IDENTIFY AND INSTALL DETAIL ITEMS PER CMM AS NECESSARY.

INSTALL LUBE FITTINGS PER CMM WHEN REQUIRED.

** NOTE: APPLY GREASE TO LUBE FITTINGS WHEN PRESENT AND ENSURE LUBE PASSAGES ARE OPEN AND CLEAR. LEAVE EVIDENCE OF GREASE IN HOLES FOR INSPECTION.

LIGHTLY OIL BARE STEEL SURFACES FOR CORROSION PROTECTION. ENSURE THAT ALL PARTS ARE CLEAN AND FOD FREE.

** NOTE: ALL BOEING-LB JOBS IDENTIFICATION TO BE RUBBER STAMP PER DPS 3.27-1 ONLY USE INDEPENDANT INK INC. PERMANENT INK 73X. APPLY SKYDROL RESISTANT POLYURETHANE CLEAR COAT AFTER THE INK DRIES**

270	INSP	IF	IF-INSPECT FINAL	1
-----	------	----	------------------	---

Operation 270

Start:

Complete



719289S



719289C

STAMP/DATE/QT



JUN 30 2018

INSPECT, FINAL

CHECK CUSTOMER P.O. REQUIRED WORK INSTRUCTIONS AND ANY SPECIAL INSTRUCTIONS AND ENSURE THAT ALL NECESSARY WORK HAS BEEN COMPLETED. CHECK FOR ENGINEERING SUBMITALS AND ENSURE THAT ALL SPECIAL WORK INSTRUCTIONS HAVE BEEN DONE.

** NOTE: VISUALLY INSPECT, WHERE LUBE FITTINGS ARE INSTALLED, TO ENSURE LUBE IS PRESENT IN HOLES.

Inspect in accordance with CMM/OHM: 737-32-11-09

ISSUE NO.

PART NAME PIN ASSY

OHM: 32-11-09

MATERIAL 4340M STEEL 275-300 KSI

OPER.

INSPECT / RECORD

Sunair
ROUTE SHEET
AND
TRAVELER

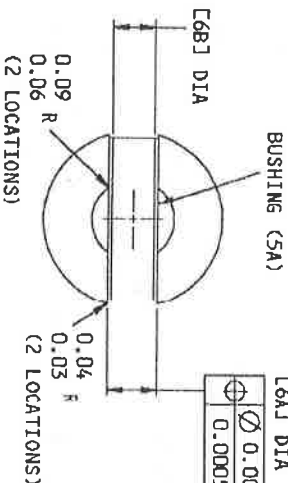
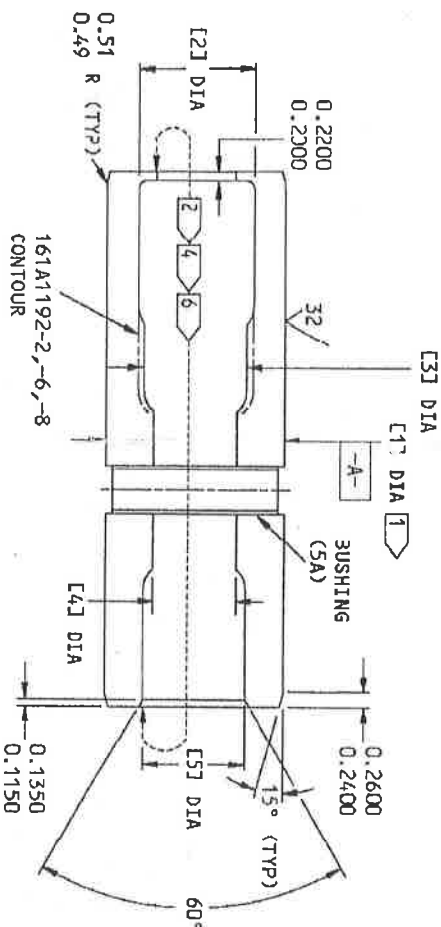
DATE DUE

DATE

QUANTITY

JO: SV-2467-4-1
P/N: 161A1192-13
DESC: PIN ASSY, -AFT TRUNNI

CUS #: ALASKA AIRLINES
JO: 845649
PART D: SV-2467-1/C-2-1F
S N: E5514
CN #1: 737-32-11-09



[6] DIA	[7] DIA	[8] DIA	[9] DIA	[10] DIA	[11] DIA	[12] DIA	[13] DIA	[14] DIA	[15] DIA	[16] DIA	[17] DIA	[18] DIA	[19] DIA	[20] DIA	[21] DIA	[22] DIA	[23] DIA	[24] DIA	[25] DIA	[26] DIA	[27] DIA	[28] DIA	[29] DIA	[30] DIA	[31] DIA	[32] DIA	[33] DIA	[34] DIA	[35] DIA	[36] DIA	[37] DIA	[38] DIA	[39] DIA	[40] DIA	[41] DIA	[42] DIA	[43] DIA	[44] DIA	[45] DIA	[46] DIA	[47] DIA	[48] DIA	[49] DIA	[50] DIA	[51] DIA	[52] DIA	[53] DIA	[54] DIA	[55] DIA	[56] DIA	[57] DIA	[58] DIA	[59] DIA	[60] DIA	[61] DIA	[62] DIA	[63] DIA	[64] DIA	[65] DIA	[66] DIA	[67] DIA	[68] DIA	[69] DIA	[70] DIA	[71] DIA	[72] DIA	[73] DIA	[74] DIA	[75] DIA	[76] DIA	[77] DIA	[78] DIA	[79] DIA	[80] DIA	[81] DIA	[82] DIA	[83] DIA	[84] DIA	[85] DIA	[86] DIA	[87] DIA	[88] DIA	[89] DIA	[90] DIA	[91] DIA	[92] DIA	[93] DIA	[94] DIA	[95] DIA	[96] DIA	[97] DIA	[98] DIA	[99] DIA	[100] DIA
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REFERENCE NUMBER	[1]	[2]	[3]	[11]	[4]	[11]	[5]	[11]	[6A]
DESIGN DIMENSION	3.2490 3.2480	2.1100 2.0900	1.8600 1.8400	1.5100 1.4900	1.8600 1.8400	0.8848 0.8840			
REPAIR LIMIT	3.280 [9]	—	—	—	—	0.9140 [14]			
RECORD	3.2475	2.0990	1.8620	1.5030	1.8510	0.8860			
AFTMACH.	3.238	N/A	N/A	N/A	N/A	N/A			

[9] LIMIT FOR CHROME PLATE BUILDUP AND GRIND TO DESIGN DIMENSIONS AND FINISH
[14] LIMIT FOR INSTALLATION OF OVERSIZE BUSHING (FIG. 602)

QC APPROVED

B-B

JUN 22 2009

391364500046

ALL DIMENSIONS ARE IN INCHES

PP1

ENG. CHG.

PLANNED BY:

MARCELO PERIS

APPROVED BY:

MIKE WASCHAK

CUS #: ALASKA AIRLINES
1 J: 845649

CA #: 737-32-11-09

PART NAME	PIN ASSY
1	2
3	4
5	6
7	8
9	10
11	12
13	14
15	16
17	18
19	20
21	22
23	24
25	26
27	28
29	30
31	32
33	34
35	36
37	38
39	40
41	42
43	44
45	46
47	48
49	50
51	52
53	54
55	56
57	58
59	60
61	62
63	64
65	66
67	68
69	70
71	72
73	74
75	76
77	78
79	80
81	82
83	84
85	86
87	88
89	90
91	92
93	94
95	96
97	98
99	100

**AND
TRAVELER**

DATE DUE	QUANTITY
----------	----------



9 LIMIT FOR CHROME PLATE BUILDUP
AND GRIND TO DESIGN DIMENSIONS
AND FINISH

14 LIMIT FOR INS-ALLATION OF
OVERSIZE BUSHING (FIG. 602)

B-3

JUN 22 2009

391384 S000049

222

PLANNED BY:

MARCELO PERIS

APPROVED BY:

MIKE WASCHAK

ISSUE NO.

PART NAME

PIN ASSY

OHM: 32-11-09

MATERIAL 4340M STEEL 275-300 KSI

OPER.

NITAL ETCH INSPECT PER SOPM 20-10-02 BAKE (4) HRS. MIN. @350°-400°F

SHOTPEEN PER SOPM 20-10-03 (BAC5730 OPT)

SHOT SIZE: 0.016-0.033

INT: 0.014-0.018A2

HARD SHOT Rc: 55-65

MAG INSPECT PER

ASTM-E-1444

Sunvaair
ROUTE SHEET
AND
TRAVELER

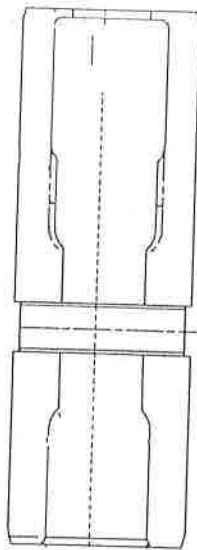
JO: SV-2467-4-1
P/N: 161A1192-13
DESC: PIN ASSY. - AFT TRUNN/

CUS #: ALASKA AIRLINES
I.D.: 845649
PART D: SV-2467-11C-2-1F
S.N: E5514
C.A. #: 737-32-11-09

DATE

QUANTITY

200%



QC APPROVED

JAN 28 2015

ALL DIMENSIONS ARE IN INCHES

PP3

PLANNED BY:

MARCELO PERIS

APPROVED BY:

MIKE WASCHAK

ENG. CHG.



CUS #: ALASKA AIRLINES
 13: 845649

JO: SV-2467-4-1
 P/N: 161A1192-13
 DESC: PIN ASSY. - AFT TRUNNI
 S Y: E5514
 C N Y: 737-32-11-09

ISSUE NO.

PART NAME PIN ASSY

OHM: 32-11-09

MATERIAL 4340M STEEL 275-300 KSI

OPER.

HARD CHROME PLATE AREAS NOTED TO THICKNESS SHOWN PER SOPM 20-42-03 (OPT BAC5709 CLASS 3)
 BAKE (6) HRS. MIN @350°-400°F

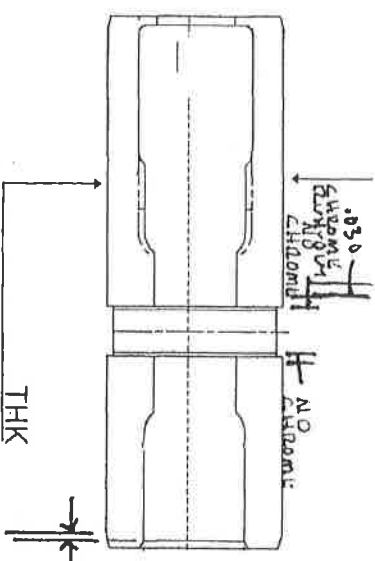
Sunvaif

ROUTE SHEET
 AND
 TRAVELER

DATE DUE

DATE

QUANTITY



DESIGN: 3.249-3.248

QC APPROVED

JAN 28 2015

ALL DIMENSIONS ARE IN INCHES

PP4

ENG. CHG.

PLANNED BY: MARCELO PERIS

APPROVED BY: MIKE WASCHAK



CUS #: ALASKA AIRLINES
JO: 845649
PART D: SV-2467-1/C-2-1F
S N: E5514
CN A: 737-32-11-09

JO: SV-2467-4-1
P/N: 161A1192-13
DESC: PIN ASSY. - AFT TRUNN

CU A: 737-32-11-09

Sunvaif

ROUTE SHEET
AND
TRAVELER

ISSUE NO.

PART NAME PIN ASSY

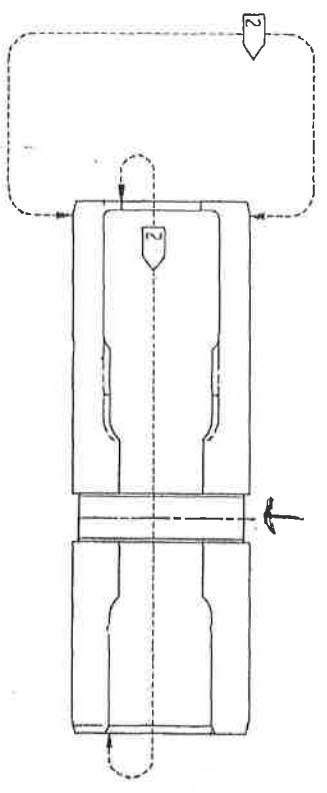
OHM: 32-11-09

MATERIAL 4340M STEEL 275-300 KSI

OPBR.

CAD PLATE ALL SURFACES NOT CHROME PLATE PER SOPM 20-42-01. BAKE (23) HRS. MIN. @350°-400°F
AND POST CHROMATE TREATMENT IS REQUIRED

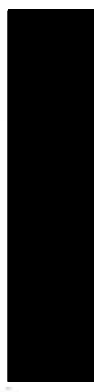
APPLY CAD TO SIZE MAG INSPECT PER
DIA 0.8848 ±0.0005
ASTM-E-1444



2 CADMIUM-TITANIUM PLATE
0.0005-0.0010 THICK

QC APPROVED

JAN 28 2015



ALL DIMENSIONS ARE IN INCHES

PP5

ENG. CHG. PLANNED BY: MARCELO PERIS APPROVED BY: MIKE WASCHAK



CUS #: ALASKA AIRLINES
JO: SV-2467-4-1
P/N: 161A1192-13
DESC: PIN ASSY. - AFT TRUNNI
CN: 737-32-11-09
PART D: SV-2467-1/C-2-1F
S/N: E5514

ISSUE NO.

PART NAME PIN ASSY

OHM: 32-11-09

MATERIAL 4340M STEEL 275-300 KSI

Sunair
ROUTE SHEET
AND
TRAVELER

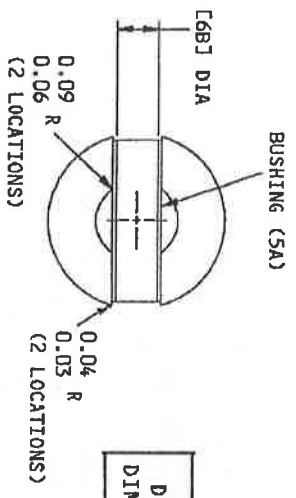
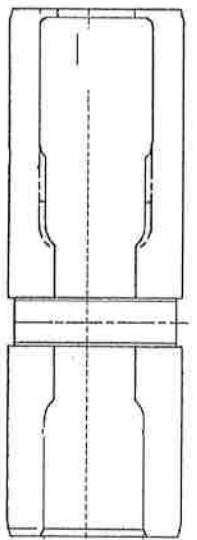
DATE DUE

DATE

QUANTITY

OPER.

SIZE ALL BUSHINGS TO DESIGN DIMENSION



[6B]
DESIGN DIMENSION
.7505 .7515

ALL DIMENSIONS ARE IN INCHES

BNG. CHG.

PLANNED BY: MARCELO PERIS

APPROVED BY:

MIKE WASCHAK

PP6

QC APPROVED

JUN 22 2009



CUS #: ALASKA AIRLINES
JO: SV-2467-4-1
PART D: SV-2467-1/C-2-1F
P/N: 161A1192-13
DESC: PIN ASSY - AFT TRUNNI
S V: E5514
CA #: 737-32-11-09

ISSUE NO.

PART NAME PIN ASSY

OHM: 32-11-09

MATERIAL 4340M STEEL 275-300 KSI

OPER.

Sunair
ROUTE SHEET
AND
TRAVELER

DATE DUE

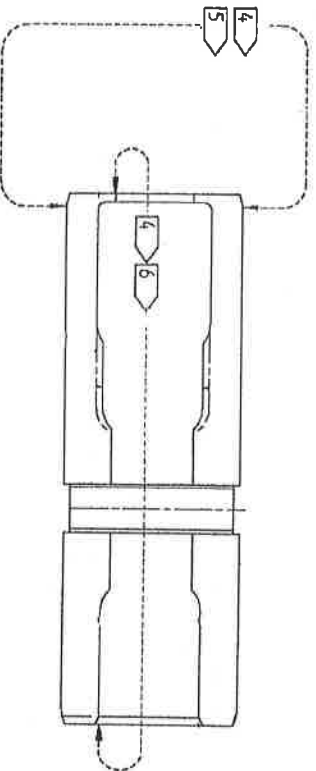
DATE

QUANTITY

APPLY PRIMER BMS 10-79 TYPE 3 TO ALL NON-CHROME SURFACES EXCEPT AS NOTED

APPLY BMS 10-60 ENAMAL .001-.002 MILS THICK TO EXTERIOR

APPLY BMS 10-79 TYPE 3 PRIMER TO
ALL CAD PLATED SURFACES EXCEPT
AS NOTED



4 > APPLY BMS 10-79 TYPE 3 PRIMER

5 > APPLY BMS 10-60 TYPE 2 ENAMEL

6 > APPLY MIL-C-11796 CLASS 1
CORROSION PREVENTIVE COMPOUND

ALL DIMENSIONS ARE IN INCHES

PP7

QC APPROVED

JUN 22 2009

ENG. CHG.

PLANNED BY: MARCELO PERIS

APPROVED BY: MIKE WASCHAK



WO: SV-2467-4-1-1

PN: 161A1193-3SPL

S/N: NONE

Description: BUSHING SPL MATCHED

CMM: 737-32-11-09 Rev: 32 Date: 3/1/2018

Life Limited: No Tracked: No

Work Type: OVERHAUL

Cust/P.O.: ALASKAAI / 845649

Material: AL-NI-BRZ PER AMS 4640

Order Rec: 6/12/2018

Planned By: N. WASCHAK

Approved By: M. WASCHAK

FORM SV-02

Op Seq	Wrk Center	Oper.	Description	Oper. Qty
--------	------------	-------	-------------	-----------

NHW Part: 161A1192-13

NHW Job: SV-2467-4-1

COMMENTS:

Op Seq	Wrk Center	Oper.	Description	Oper. Qty
10	MAKE BUSH	MAC	MACHINE-BL	1

Start:

Complete

Operation 10



737958S



737958C

STAMP/DATE/QT

Completed by:

Date: 6-12-18 Qty: 1

MACHINE PER SKETCH. BREAK SHARP EDGES .005-.010R UNLESS NOTED OTHERWISE.

Op Seq	Wrk Center	Oper.	Description	Oper. Qty
20	CAD PLATE	CPN	CAD PLATE QQ-P-416 T2 CL2 NO BAKE	1

Start:

Complete

Operation 20



737959S



737959C

STAMP/DATE/QT

Verified by: JUN 19 2018 Date: Qty: 1

Order Number Reference: R172049

CAD PLATE PER SAE AMS-QQ-P-416 REV. 'E', TYPE II, CLASS 2 AND PER SKETCH.

Op Seq	Wrk Center	Oper.	Description	Oper. Qty
30	INSP	IVC	IVD INSPECT VERIFY DIMENSIONS.	1

Start:

Complete

Operation 30



737960S



737960C

STAMP/DATE/QT

INSPECT- VISUALLY AND DIMENSIONALLY INSPECT AS NECESSARY TO ENSURE COMPLIANCE WITH REQUIREMENTS.

CUS # ALASKA AIRLINES
 JO: SV-2467-4-1
 P/N: 161A1192-13
 DESC: PIN ASSY. - AFT TRUNNI
 S N: E5514
 CN # 737-32-11-09

Sunvair
 ROUTE SHEET
 AND
 TRAVELER

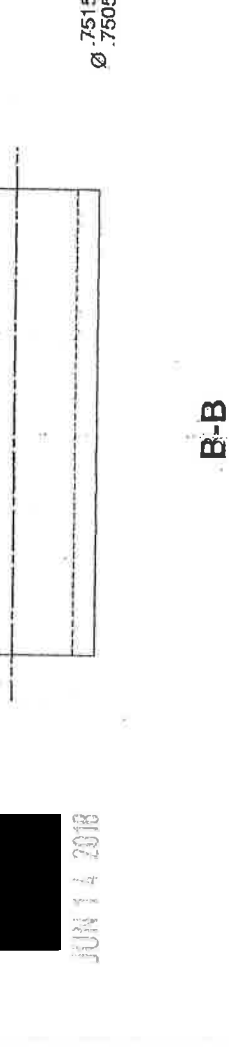
PART NAME: BUSHING
 BUSHING P/N: 161A1193-3SPL
 MATERIAL: AL-NI-BRONZÉ AMS 4640

MATERIAL CERTIFICATION
 NO. _____
 JUN 14 2018

GENERAL NOTES:
 MACHINE COMPLETE
 UNLESS OTHERWISE NOTED BREAK SHARP EDGES .005-.015R
 KEEP WITH SKETCH UNTIL INSTALLATION.
 CAD PLATE ALL EXTERIOR SURFACES PER SOPM 20-42-05 TYPE II,
 CLASS 2.

QTY: 1
 JUN 14 2018

Customer PO: **R171743**
 AAW DNCID: V113912
 CoC Material: AMS 4640
 Condition:
 06/14/18 Thu
 Qty: 1 Line: 8
 Mat PO: 211278
 scan ID: 111125
 OD: 1 ID: 0



OK LESS SLOTS AND HOLES	N/A
CERT FOR CAD	
FINAL	

QC APPROVED
 AUG 29 2011

INSPECTION NOTES:
 O.D. FOR .001-.002 INTERFERENCE FIT

ADVANCED AIR OF WEST PALM BEACH, IN
 RO# R171743 RO LINE# 8
 PN: 161A1193-3SPL
 BUSHING SPL MATCHED
 NHA ID Number: SV-2467-4-1-1-MC-2-1F

ENGINEER: CH'G. _____
 PLANNED BY: MARCELO PERIS
 APPROVED BY: MIKE WASCHAK



CUS #: ALASKA AIRLINES
I D: 845649
PART D: SV-2467-1/IC-2-1F
S A: E5514
CA #: 737-32-11-09

PE
M
D
QU

Sunvair
ROUTE SHEET
AND
TRAVELER

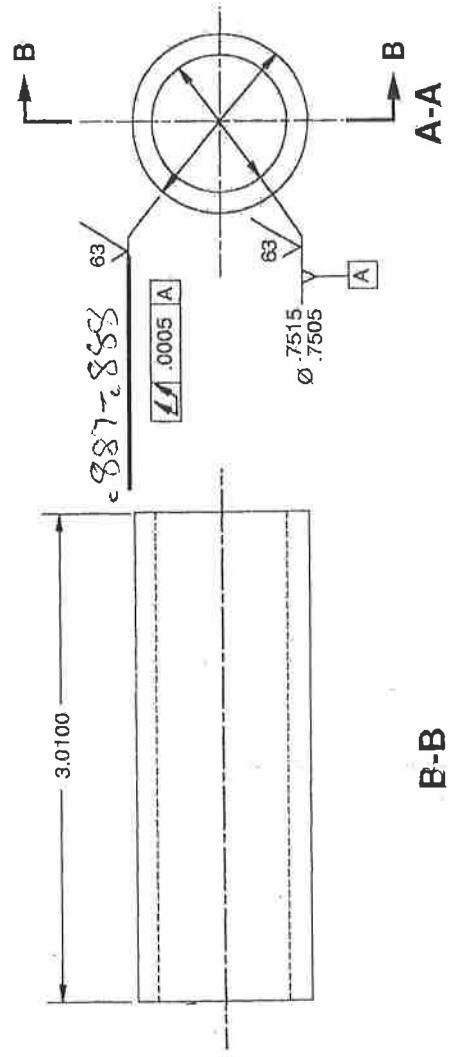
ISSUE NO.
PART NAME: BUSHING
BUSHING P/N: 161A1193-3SPL
MATERIAL: AL-NI-BRONZE AMS 4640

MATERIAL CERTIFICATION
NO. _____

QTY: 1

GENERAL NOTES:
MACHINE COMPLETE
UNLESS OTHERWISE NOTED BREAK SHARP EDGES .005-.015R
KEEP WITH SKETCH UNTIL INSTALLATION.
CAD PLATE ALL EXTERIOR SURFACES PER SOPM 20-42-05 TYPE II,
CLASS 2.

JUN 07 2018



B-B

A-A

OK LESS SLOTS AND HOLES	N/A
CERT FOR CAD	
FINAL	

ADVANCED AIR OF WEST PALM BEACH, IN

RO#: R171743 RO LINE#: 8
PN: 161A1193-3SPL
BUSHING SPL MATCHED
NHA ID Number: SV-2467-4-1-1-MC-2-1F

QC APPROVED

AUG 29 2011

INSPECTION NOTES:
O.D. FOR .001-.002 INTERFERENCE FIT

ENG. CH'G. _____ PLANNED BY: MARCELO PERIS APPROVED BY: MIKE WASCHAK