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AC: N48901 Position: RH

■ P/N: 2309-3500-503

P/N S/N: 482

MAIN SIDE STRUT ASSY

Batch: 2178579

Control Items	Description	SCHEDULE				ACTUAL				REMAINING			STATUS
		Hours	Cycles	Days	Date	Hours	Cycles	Days	Reset Date	Hours	Cycles	Days	
MLG SIDE STRUT REST	UNSCHED - T/C "MAIN GEAR REMOVE"		20000	4380		6408:42	14563	1475	10/01/2016	0:00	5437	2905	OPEN
TSI						18241:02	14563	1475	10/01/2016	0:00	0	0	
TSN						43019:27	33578	1475	10/01/2016	0:00	0	0	

■ P/N: 2309-2502-501

P/N S/N: OF513189-4/08

MLG MAIN UPPER SIDE STRUT ASSY

Batch: 2177739

Control Items	Description	SCHEDULE				ACTUAL			REMAINING			STATUS
		Hours	Cycles	Days	Date	Hours	Cycles	Days	Hours	Cycles	Days	
MLG SIDE STRUT REST	UNSCHED - T/C "MAIN GEAR REMOVE"		20000	4380		18241:14	14563	3231	0:00	5437	1149	OPEN
MLG UPPER MAIN SIDE STRUT	(LIFE LIMITED PART) UNSCHED - T/C "MAIN GEAR REMOVE"		60000			43019:39	33578	3231	0:00	26422	0	OPEN
TSI						18241:14	14563	3231	0:00	0	0	
TSN						43019:39	33578	3231	0:00	0	0	

■ P/N: 2309-2524-001

P/N S/N: OF2028266/08

MLG MAIN UPPER SIDE STRUT

Batch: 7574573

Control Items	Description	SCHEDULE				ACTUAL			REMAINING			STATUS
		Hours	Cycles	Days	Date	Hours	Cycles	Days	Hours	Cycles	Days	
MLG UPPER MAIN SIDE STRUT	(LIFE LIMITED PART) UNSCHED - T/C "MAIN GEAR REMOVE"		60000			43019:39	33578	3231	0:00	26422	0	OPEN
TSI						18241:14	14563	3231	0:00	0	0	
TSN						43019:39	33578	3231	0:00	0	0	

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■ P/N: 2309-2510-505

P/N S/N: 4800399-08

Control Items	Description
MLG LOWER MAIN SIDE STRUT	(LIFE LIMITED PART) UNSCHED - T/C "MAIN GEAR R/R"
MLG SIDE STRUT REST	UNSCHED - T/C "MAIN GEAR REMOVE"
TSI	
TSN	

MLG MAIN LOWER SIDE STRUT ASSY

Batch: 2180996

SCHEDULE				ACTUAL			REMAINING			STATUS
Hours	Cycles	Days	Date	Hours	Cycles	Days	Hours	Cycles	Days	
	60000			6408:42	33578	1475	0:00	26422	0	OPEN
	20000	4380		10428:38	8416	2101	0:00	11584	2279	OPEN
				43019:27	33578	1475	0:00	0	0	
				43019:27	33578	1475	0:00	0	0	

■ P/N: 2309-2532-001

P/N S/N: OF3183512/09

Control Items	Description
MLG LOWER MAIN SIDE STRUT	(LIFE LIMITED PART) UNSCHED - T/C "MAIN GEAR R/R"
TSI	
TSN	

MLG MAIN LOWER SIDE STRUT

Batch: 7578597

SCHEDULE				ACTUAL			REMAINING			STATUS
Hours	Cycles	Days	Date	Hours	Cycles	Days	Hours	Cycles	Days	
	60000			10428:38	8416	2101	0:00	51584	0	OPEN
				43019:27	33578	3230	0:00	0	0	
				43019:27	33578	3230	0:00	0	0	

■ P/N: 2309-3515-001

P/N S/N: OF3797507-02

Control Items	Description
MLG MAIN SIDE STRUT SHAFT	(LIFE LIMITED PART) UNSCHED - T/C "MAIN GEAR REMOVE"
TSI	
TSN	
UPR AXL LIFE35K	UNSCHED - T/C "MAIN GEAR REMOVE"

SHAFT, MLG SIDE STRUT

Batch: 2181387

SCHEDULE				ACTUAL			REMAINING			STATUS
Hours	Cycles	Days	Date	Hours	Cycles	Days	Hours	Cycles	Days	
	60000			6408:42	33578	1475	0:00	26422	0	OPEN
				43019:27	33578	1475	0:00	0	0	
				43019:27	33578	1475	0:00	0	0	
				0:00	0	0				TERMINATED

■ P/N: 2309-3516-001

P/N S/N: 1806217/04

Control Items	Description
MLG MAIN SIDE STRUT PIVOT PIN	(LIFE LIMITED PART) UNSCHED - T/C "MAIN GEAR REMOVE"
TSI	
TSN	

PIVOT PIN, MLG MAIN SIDE STRUT

Batch: 2179300

SCHEDULE				ACTUAL			REMAINING			STATUS
Hours	Cycles	Days	Date	Hours	Cycles	Days	Hours	Cycles	Days	
	60000			6408:42	33578	1475	0:00	26422	0	OPEN
				43019:27	33578	1475	0:00	0	0	
				43019:27	33578	1475	0:00	0	0	

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■ P/N: 2309-3706-401 P/N S/N: 1313295/001

CARDAN ASSY, MLG MAIN SIDE STRUT Batch: 2332671

Control Items	Description	SCHEDULE				ACTUAL			REMAINING			STATUS
		Hours	Cycles	Days	Date	Hours	Cycles	Days	Hours	Cycles	Days	
TSI						18241:02	14563	1475	0:00	0	0	
TSN						18241:02	14563	1475	0:00	0	0	

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AC: N48901 Position: RH

■ P/N: 2309-2600-507

P/N S/N: 903

MLG SECONDARY SIDE STRUT

Batch:

2180200

Control Items	Description	SCHEDULE				ACTUAL				REMAINING			STATUS
		Hours	Cycles	Days	Date	Hours	Cycles	Days	Reset Date	Hours	Cycles	Days	
MLG AUX STRUT REST	UNSCHED - T/C "MAIN GEAR REMOVE"		20000	4380		6408:42	14563	1475	10/01/2016	0:00	5437	2905	OPEN
TSI						18241:02	14563	1475	10/01/2016	0:00	0	0	
TSN						42124:46	32863	1475	10/01/2016	0:00	0	0	

■ P/N: 2309-2601-501

P/N S/N: 3479064-05

MLG SECONDARY LOWER SIDE STRUT ASSY

Batch:

2175436

Control Items	Description	SCHEDULE				ACTUAL			REMAINING			STATUS
		Hours	Cycles	Days	Date	Hours	Cycles	Days	Hours	Cycles	Days	
MLG LOWER SECONDARY SIDE S	UNSCHED - T/C "MAIN GEAR REMOVE"		60000			6408:42	32863	1475	0:00	27137	0	OPEN
TSI						42124:46	32863	1475	0:00	0	0	
TSN						43371:45	33647	5564	0:00	0	0	

■ P/N: 2309-2608-503

P/N S/N: OF3477999/08

MLG SECONDARY UPPER SIDE STRUT ASSY

Batch:

2180310

Control Items	Description	SCHEDULE				ACTUAL			REMAINING			STATUS
		Hours	Cycles	Days	Date	Hours	Cycles	Days	Hours	Cycles	Days	
MLG UPPER SECONDARY SIDE S	(LIFE LIMITED PART) UNSCHED - T/C "MAIN GEAR REMOVE"		60000			6408:42	32863	1475	0:00	27137	0	OPEN
TSI						42124:46	32863	1475	0:00	0	0	
TSN						42124:46	32863	1475	0:00	0	0	

■ P/N: 2309-2613-001

P/N S/N: OF053898/434

PIVOT PIN, MLG SECONDARY SIDE STRUT

Batch:

2180203

Control Items	Description	SCHEDULE				ACTUAL			REMAINING			STATUS
		Hours	Cycles	Days	Date	Hours	Cycles	Days	Hours	Cycles	Days	
MLG PIVOT PIN	(LIFE LIMITED PART) UNSCHED - T/C "MAIN GEAR REMOVE"		60000			6408:42	32863	1475	0:00	27137	0	OPEN
TSI						42124:46	32863	1475	0:00	0	0	
TSN						42124:46	32863	1475	0:00	0	0	

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■ P/N: 2309-2617-001

P/N S/N: OF-3666891/06

Control Items	Description
MLG CARDAN	(LIFE LIMITED PART) UNSCHED - T/C "MAIN GEAR REMOVE"
TSI	
TSN	

CARDAN ASSY,MLG SECONDARY DRAG STRUT

Batch: 2174950

SCHEDULE				ACTUAL			REMAINING			STATUS
Hours	Cycles	Days	Date	Hours	Cycles	Days	Hours	Cycles	Days	
	60000			6408:42	32863	1475	0:00	27137	0	OPEN
				42124:46	32863	1475	0:00	0	0	
				42124:46	32863	1475	0:00	0	0	

■ P/N: 2309-2621-001

P/N S/N: 1365760/033

Control Items	Description
MLG SHAFT	(LIFE LIMITED PART) UNSCHED - T/C "MAIN GEAR REMOVE"
TSI	
TSN	

SHAFT, MLG SECONDARY SIDE STRUT

Batch: 2322449

SCHEDULE				ACTUAL			REMAINING			STATUS
Hours	Cycles	Days	Date	Hours	Cycles	Days	Hours	Cycles	Days	
	60000			6408:42	14563	1475	0:00	45437	0	OPEN
				18241:02	14563	1475	0:00	0	0	
				18241:02	14563	1475	0:00	0	0	

■ P/N: 2309-2626-001

P/N S/N: 0760868/72

Control Items	Description
MLG BOLT	UNSCHED - T/C "MAIN GEAR REMOVE"
TSI	
TSN	

BOLT, MLG SECONDARY SIDE STRUT

Batch: 2175439

SCHEDULE				ACTUAL			REMAINING			STATUS
Hours	Cycles	Days	Date	Hours	Cycles	Days	Hours	Cycles	Days	
	60000			6408:42	32863	1475	0:00	27137	0	OPEN
				42124:46	32863	1475	0:00	0	0	
				42124:46	32863	1475	0:00	0	0	

■ P/N: 2309-2650-005

P/N S/N: OF0537924/10

Control Items	Description
MLG SPRING 60K	(LIFE LIMITED PART) UNSCHED - T/C "MAIN GEAR R/R"
MLG SPRING RESTORE	UNSCHED - T/C "MAIN GEAR RESTORE"
TSI	
TSN	

SPRING CARTRIDGE ASSY, MLG SECONDARY SIDE STRUT

Batch: 2174822

SCHEDULE				ACTUAL			REMAINING			STATUS
Hours	Cycles	Days	Date	Hours	Cycles	Days	Hours	Cycles	Days	
	60000			9704:05	7826	1995	0:00	52174	0	OPEN
	20000	4380		6408:42	14563	1475	0:00	5437	2905	OPEN
				42124:46	32863	1475	0:00	0	0	
				42124:46	32863	1475	0:00	0	0	

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■ P/N: 2309-2650-005 P/N S/N: OF0537924/14

SPRING CARTRIDGE ASSY, MLG SECONDARY SIDE STRUT **Batch:** 2174477

Control Items	Description	SCHEDULE				ACTUAL			REMAINING			STATUS
		Hours	Cycles	Days	Date	Hours	Cycles	Days	Hours	Cycles	Days	
MLG SPRING 60K	(LIFE LIMITED PART) UNSCHED - T/C "MAIN GEAR R/R"		60000			9704:05	7826	1995	0:00	52174	0	OPEN
MLG SPRING RESTORE	UNSCHED - T/C "MAIN GEAR RESTORE"		20000	4380		6408:42	14563	1475	0:00	5437	2905	OPEN
TSI						42124:46	32863	1475	0:00	0	0	
TSN						42124:46	32863	1475	0:00	0	0	



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AC: N48901 Position: RH

■ P/N: 2309-3002-516

P/N S/N: 247

STRUT LEG ASSY (RH), MLG

Batch: 2181254

Control Items	Description	SCHEDULE				ACTUAL				REMAINING			STATUS
		Hours	Cycles	Days	Date	Hours	Cycles	Days	Reset Date	Hours	Cycles	Days	
OLEOST RST 145LR-RH	UNSCHED - OLEO STRUT RESTORE		20000	4380		6408:42	14563	1475	10/01/2016	0:00	5437	2905	OPEN
TSI						18241:02	14563	1475	10/01/2016	0:00	0	0	
TSN						43014:12	33573	1475	10/01/2016	0:00	0	0	

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■ P/N: 2309-3014-602 P/N S/N: OF4934441-01

LEG STRUT EQUIPPED (RH), MLG

Batch: 2178496

		SCHEDULE				ACTUAL			REMAINING			STATUS
Control Items	Description	Hours	Cycles	Days	Date	Hours	Cycles	Days	Hours	Cycles	Days	
LEG STRUT REST	UNSCHED - T/C "MAIN GEAR REMOVE"		20000	4380		6408:42	14563	1475	0:00	5437	2905	OPEN
MLG LEG STRUT RIGHT (RH)	(LIFE LIMITED PART) UNSCHED - T/C "MAIN GEAR R/R"		60000			6408:42	33573	1475	0:00	26427	0	OPEN
TSI						43014:12	33573	1475	0:00	0	0	
TSN						43014:12	33573	1475	0:00	0	0	

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■ P/N: 2309-2005-001

P/N S/N: 022

SHOCK ABSORBER ASSY, MLG

Batch: 7554235

Control Items

Description

MLG SHOCK RE-PACK

MLG SHOCK ABSORBER REPACKING

SHOCK ABSORBER RST

SHOCK ABSORBER ASSEMBLY RESTORATION

TSI

TSN

SCHEDULE				ACTUAL			REMAINING			STATUS
Hours	Cycles	Days	Date	Hours	Cycles	Days	Hours	Cycles	Days	
10000:00				3:34	2	197	9996:26	0	0	OPEN
	20000	4380		22610:45	17774	4070	0:00	2226	310	OPEN
				3:34	2	197	0:00	0	0	
				47682:45	37322	1248	0:00	0	0	

■ P/N: 2309-2057-001

P/N S/N: OF3665542-01

PISTON TUBE ASSY, MLG SHOCK ABSORBER

Batch: 2144181

Control Items

Description

MLG PISTON TUBE

(LIFE LIMITED PART) UNSCHED - T/C "MAIN GEAR R/R"

TSI

TSN

SCHEDULE				ACTUAL			REMAINING			STATUS
Hours	Cycles	Days	Date	Hours	Cycles	Days	Hours	Cycles	Days	
	60000			47682:53	37322	1248	0:00	22678	0	OPEN
				3:34	2	197	0:00	0	0	
				47682:53	37322	1248	0:00	0	0	

■ P/N: 2309-2058-001

P/N S/N: OF2358350-03

PISTON TUBE, MLG SHOCK ABSORBER

Batch: 7554296

Control Items

Description

MLG PISTON TUBE

(LIFE LIMITED PART) UNSCHED - T/C "MAIN GEAR R/R"

TSI

TSN

SCHEDULE				ACTUAL			REMAINING			STATUS
Hours	Cycles	Days	Date	Hours	Cycles	Days	Hours	Cycles	Days	
	60000			47682:53	37322	197	0:00	22678	0	OPEN
				3:34	2	197	0:00	0	0	
				47682:53	37322	197	0:00	0	0	

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■ P/N: 2309-2064-005

P/N S/N: 1245490/001

CYLINDER ASSY, MLG SHOCK ABSORBER

Batch: 2359399

Control Items

Description

MLG CYLINDER

(LIFE LIMITED PART) UNSCHED - T/C "MAIN GEAR R/R"

TSI

TSN

SCHEDULE				ACTUAL			REMAINING			STATUS
Hours	Cycles	Days	Date	Hours	Cycles	Days	Hours	Cycles	Days	
	60000			22610:45	17774	1248	0:00	42226	0	OPEN
				3:34	2	197	0:00	0	0	
				22610:45	17774	1248	0:00	0	0	

■ P/N: 2309-2056-005

P/N S/N: 1217224/001

CYLINDER, MLG SHOCK ABSORBER

Batch: 7554295

Control Items

Description

MLG CYLINDER

(LIFE LIMITED PART) UNSCHED - T/C "MAIN GEAR R/R"

TSI

TSN

SCHEDULE				ACTUAL			REMAINING			STATUS
Hours	Cycles	Days	Date	Hours	Cycles	Days	Hours	Cycles	Days	
	60000			22610:45	17774	197	0:00	42226	0	OPEN
				3:34	2	197	0:00	0	0	
				22610:45	17774	197	0:00	0	0	

■ P/N: 2309-2082-001

P/N S/N: 1584436/011

BEARING CAP, MLG SHOCK ABSORBER

Batch: 7157157

Control Items

Description

MLG BEARING CAP

(LIFE LIMITED PART) UNSCHED - T/C "MAIN GEAR R/R"

TSI

TSN

SCHEDULE				ACTUAL			REMAINING			STATUS
Hours	Cycles	Days	Date	Hours	Cycles	Days	Hours	Cycles	Days	
	60000			476:07	394	312	0:00	59606	0	OPEN
				3:34	2	197	0:00	0	0	
				476:07	394	312	0:00	0	0	

■ P/N: 2309-2027-005

P/N S/N: 1770589/03

MANEUVERING ACTUATOR AXLE, MLG

Batch: 2184327

Control Items

Description

ACT ATTCH AXLE LIFE

UNSCHED - T/C "NOSE GEAR REMOVE"

TSI

TSN

SCHEDULE				ACTUAL			REMAINING			STATUS
Hours	Cycles	Days	Date	Hours	Cycles	Days	Hours	Cycles	Days	
				0:00	0	0				TERMINATED
				43014:12	33573	1475	0:00	0	0	
				43014:12	33573	1475	0:00	0	0	

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■ P/N: 2309-2029-001

P/N S/N: 1082476/004

SHOCK ABSORBER ATTACHMENT AXLE, MLG

Batch: 2304562

Control Items	Description
MLG SHOCK ABSORBER ATTACH	(LIFE LIMITED PART) UNSCHED - T/C "MAIN GEAR R/R"
TSI	
TSN	

SCHEDULE				ACTUAL			REMAINING			STATUS
Hours	Cycles	Days	Date	Hours	Cycles	Days	Hours	Cycles	Days	
	60000			6408:42	24188	1475	0:00	35812	0	OPEN
				30962:23	24188	1475	0:00	0	0	
				30962:23	24188	1475	0:00	0	0	

■ P/N: 2309-2029-001

P/N S/N: 1321029/10

SHOCK ABSORBER ATTACHMENT AXLE, MLG

Batch: 2178586

Control Items	Description
MLG SHOCK ABSORBER ATTACH	(LIFE LIMITED PART) UNSCHED - T/C "MAIN GEAR R/R"
TSI	
TSN	

SCHEDULE				ACTUAL			REMAINING			STATUS
Hours	Cycles	Days	Date	Hours	Cycles	Days	Hours	Cycles	Days	
	60000			6408:42	33554	1475	0:00	26446	0	OPEN
				42990:29	33554	1475	0:00	0	0	
				42990:29	33554	1475	0:00	0	0	

■ P/N: 2309-2041-401

P/N S/N: 1114245/001

CARDIN JOINT ASSY, MLG

Batch: 2299873

Control Items	Description
MLG CARDAN JOINT 60K	(LIFE LIMITED PART) UNSCHED - T/C "MAIN GEAR REMOVE"
TSI	
TSN	

SCHEDULE				ACTUAL			REMAINING			STATUS
Hours	Cycles	Days	Date	Hours	Cycles	Days	Hours	Cycles	Days	
	60000			6408:42	24193	1475	0:00	35807	0	OPEN
				30967:45	24193	1475	0:00	0	0	
				30967:45	24193	1475	0:00	0	0	

■ P/N: 2309-2050-003

P/N S/N: 1066210/015

PIVOT, MLG (PRE SB145-32-0094)

Batch: 2197844

Control Items	Description
MLG PIVOT	(LIFE LIMITED PART) UNSCHED - T/C "MAIN GEAR REMOVE"
TSI	
TSN	

SCHEDULE				ACTUAL			REMAINING			STATUS
Hours	Cycles	Days	Date	Hours	Cycles	Days	Hours	Cycles	Days	
	60000			6408:42	24189	1475	0:00	35811	0	OPEN
				30963:33	24189	1475	0:00	0	0	
				30963:33	24189	1475	0:00	0	0	

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■ P/N: 2309-3025-001

P/N S/N: 3288625/05

Control Items	Description
MLG TRUNNION AXLE	(LIFE LIMITED PART) UNSCHED - T/C "MAIN GEAR REMOVE"
TSI	
TSN	

TRUNNION AXLE, MLG

Batch: 2185182

SCHEDULE				ACTUAL			REMAINING			STATUS
Hours	Cycles	Days	Date	Hours	Cycles	Days	Hours	Cycles	Days	
	60000			6408:42	33573	1475	0:00	26427	0	OPEN
				43014:12	33573	1475	0:00	0	0	
				43014:12	33573	1475	0:00	0	0	

■ P/N: 2309-3025-001

P/N S/N: OF5218987-12

Control Items	Description
MLG TRUNNION AXLE	(LIFE LIMITED PART) UNSCHED - T/C "MAIN GEAR REMOVE"
TSI	
TSN	

TRUNNION AXLE, MLG

Batch: 2340227

SCHEDULE				ACTUAL			REMAINING			STATUS
Hours	Cycles	Days	Date	Hours	Cycles	Days	Hours	Cycles	Days	
	60000			6408:42	33497	1475	0:00	26503	0	OPEN
				18241:02	14563	1475	0:00	0	0	
				43533:45	33497	1475	0:00	0	0	

■ P/N: 2309-3032-005

P/N S/N: 3142677/02

Control Items	Description
MLG MAIN SIDE STRUT ATTACH A	(LIFE LIMITED PART) UNSCHED - T/C "MAIN GEAR R/R"
TSI	
TSN	

MAIN SIDE STRUT ATTACHMENT AXLE, MLG

Batch: 2184322

SCHEDULE				ACTUAL			REMAINING			STATUS
Hours	Cycles	Days	Date	Hours	Cycles	Days	Hours	Cycles	Days	
	60000			6408:42	33573	1475	0:00	26427	0	OPEN
				43014:12	33573	1475	0:00	0	0	
				43014:12	33573	1475	0:00	0	0	

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■ P/N: 2309-3037-403

P/N S/N: OF493547-3/01

TRAILING ARM EQUIPPED

Batch: 2184326

Control Items	Description
MLG TRAILING ARM	(LIFE LIMITED PART) UNSCHED - T/C "MAIN GEAR REMOVE"
TRAILING ARM REST	UNSCHED - T/C "MAIN GEAR REMOVE"
TSI	
TSN	

SCHEDULE				ACTUAL			REMAINING			STATUS
Hours	Cycles	Days	Date	Hours	Cycles	Days	Hours	Cycles	Days	
	40000			6408:42	33573	1475	0:00	6427	0	OPEN
	20000	4380		6408:42	14563	1475	0:00	5437	2905	OPEN
				43014:12	33573	1475	0:00	0	0	
				43014:12	33573	1475	0:00	0	0	

■ P/N: 2309-3040-001

P/N S/N: 4169355/01

WHEEL AXLE, MLG

Batch: 2179185

Control Items	Description
MLG WHEEL AXLE	(LIFE LIMITED PART) UNSCHED - T/C "MAIN GEAR REMOVE"
TSI	
TSN	

SCHEDULE				ACTUAL			REMAINING			STATUS
Hours	Cycles	Days	Date	Hours	Cycles	Days	Hours	Cycles	Days	
	60000			6408:42	33573	1475	0:00	26427	0	OPEN
				43014:12	33573	1475	0:00	0	0	
				43014:12	33573	1475	0:00	0	0	

■ P/N: 2309-3055-002

P/N S/N: 3142227/01

TRAILING ARM AXLE (RH), MLG

Batch: 2184324

Control Items	Description
MLG TRAILING ARM AXLE (RIGHT)	(LIFE LIMITED PART) UNSCHED - T/C "MAIN GEAR R/R"
TSI	
TSN	

SCHEDULE				ACTUAL			REMAINING			STATUS
Hours	Cycles	Days	Date	Hours	Cycles	Days	Hours	Cycles	Days	
	60000			6408:42	33573	1475	0:00	26427	0	OPEN
				43014:12	33573	1475	0:00	0	0	
				43014:12	33573	1475	0:00	0	0	

P/N Detail Print

Print Date: 10/15/2020 18:09

Page: 1 of 2



AC: N48901 Position: RH

P/N: 2309-3002-516 S/N: 247

Desc: STRUT LEG ASSY (RH), MLG

■ P/N: 2309-2005-001

P/N S/N: 022

SHOCK ABSORBER ASSY, MLG

Batch: 7554235

Control Items	Description	SCHEDULE				ACTUAL				REMAINING			STATUS
		Hours	Cycles	Days	Date	Hours	Cycles	Days	Reset Date	Hours	Cycles	Days	
MLG SHOCK RE-PACK	MLG SHOCK ABSORBER REPACKING	10000:00				3:34	2	197	02/20/2020	9996:26	0	0	OPEN
SHOCK ABSORBER RST	SHOCK ABSORBER ASSEMBLY RESTORATION		20000	4380		22610:45	17774	4070	01/09/2009	0:00	2226	310	OPEN
TSI						3:34	2	197	02/20/2020	0:00	0	0	
TSN						47682:45	37322	1248	10/01/2016	0:00	0	0	

■ P/N: 2309-2057-001

P/N S/N: OF3665542-01

PISTON TUBE ASSY, MLG SHOCK ABSORBER

Batch: 2144181

Control Items	Description	SCHEDULE				ACTUAL			REMAINING			STATUS
		Hours	Cycles	Days	Date	Hours	Cycles	Days	Hours	Cycles	Days	
MLG PISTON TUBE	(LIFE LIMITED PART) UNSCHED - T/C "MAIN GEAR R/R"		60000			47682:53	37322	1248	0:00	22678	0	OPEN
TSI						3:34	2	197	0:00	0	0	
TSN						47682:53	37322	1248	0:00	0	0	

■ P/N: 2309-2058-001

P/N S/N: OF2358350-03

PISTON TUBE, MLG SHOCK ABSORBER

Batch: 7554296

Control Items	Description	SCHEDULE				ACTUAL			REMAINING			STATUS
		Hours	Cycles	Days	Date	Hours	Cycles	Days	Hours	Cycles	Days	
MLG PISTON TUBE	(LIFE LIMITED PART) UNSCHED - T/C "MAIN GEAR R/R"		60000			47682:53	37322	197	0:00	22678	0	OPEN
TSI						3:34	2	197	0:00	0	0	
TSN						47682:53	37322	197	0:00	0	0	

P/N Detail Print

Print Date: 10/15/2020 18:09

Page: 2 of 2



■ P/N: 2309-2064-005

P/N S/N: 1245490/001

Control Items	Description
MLG CYLINDER	(LIFE LIMITED PART) UNSCHED - T/C "MAIN GEAR R/R"
TSI	
TSN	

CYLINDER ASSY, MLG SHOCK ABSORBER

Batch: 2359399

SCHEDULE				ACTUAL			REMAINING			STATUS
Hours	Cycles	Days	Date	Hours	Cycles	Days	Hours	Cycles	Days	
	60000			22610:45	17774	1248	0:00	42226	0	OPEN
				3:34	2	197	0:00	0	0	
				22610:45	17774	1248	0:00	0	0	

■ P/N: 2309-2056-005

P/N S/N: 1217224/001

Control Items	Description
MLG CYLINDER	(LIFE LIMITED PART) UNSCHED - T/C "MAIN GEAR R/R"
TSI	
TSN	

CYLINDER, MLG SHOCK ABSORBER

Batch: 7554295

SCHEDULE				ACTUAL			REMAINING			STATUS
Hours	Cycles	Days	Date	Hours	Cycles	Days	Hours	Cycles	Days	
	60000			22610:45	17774	197	0:00	42226	0	OPEN
				3:34	2	197	0:00	0	0	
				22610:45	17774	197	0:00	0	0	

■ P/N: 2309-2082-001

P/N S/N: 1584436/011

Control Items	Description
MLG BEARING CAP	(LIFE LIMITED PART) UNSCHED - T/C "MAIN GEAR R/R"
TSI	
TSN	

BEARING CAP, MLG SHOCK ABSORBER

Batch: 7157157

SCHEDULE				ACTUAL			REMAINING			STATUS
Hours	Cycles	Days	Date	Hours	Cycles	Days	Hours	Cycles	Days	
	60000			476:07	394	312	0:00	59606	0	OPEN
				3:34	2	197	0:00	0	0	
				476:07	394	312	0:00	0	0	

AFFIX CONTINUATION SHEETS / ACRESCENTAR FOLHAR COMPLETAR

9 - RECONDITIONING - REPAIRS - SERVICING / REVISÃO - REPARO - MANUTENÇÃO

[illegible]

10 - ENGINEERING CHANGES / MODIFICAÇÕES TÉCNICAS

[illegible]

11 - MAJOR COMPONENTS FITTED / PRINCIPAIS COMPONENTES INSTALADOS

[illegible]

SERIAL NUMBER Nº DE SÉRIE	DESCRIPTION DESCRIÇÃO	INSTALLED IN INSTALADO EM	FDR - P. R. - PPS	
			EQUIPM./COMP CONJUNTO	LMU DATA VENCIMENTO



ENGINEERING LOG CARD

FICHA DE IDENTIFICAÇÃO DE EQUIPAMENTOS

① IDENTIFICATION OF EQUIPMENT / IDENTIFICAÇÃO DO EQUIPAMENTO

DESCRIPTION / DENOMINAÇÃO

MAIN SIDE STRUT LR

PART NUMBER / NÚMERO DA PEÇA

MARK OR TYPE / MODELO

2309

SERIAL NUMBER / NÚMERO DE SÉRIE

482

MANUFACTURER / FABRICANTE

SUPPLIER / FORNECEDOR

ELEB - Embraer Liebherr Equipamentos do Brasil S. A.

ELEB - Embraer Liebherr Equipamentos do Brasil S. A.

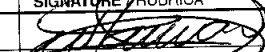
② CONTRACT NUMBER / NÚMERO DE CONTRATO

② CONTRACT NUMBER / NÚMERO DE CONTRATO		DATE / DATA	ISSUED BY / EMITIDO POR
A			
B			
C			

③ **INSPECTION CERTIFICATE / CERTIFICADO DE CONFORMIDADE**

Certified that this equipment has been inspected and tested and is fit for service. Complete anti-corrosion treatment has been carried out in accordance with the contract referred.

Certifico que este equipamento foi controlado, ensaiado e está pronto para uso. Foi executado um completo tratamento anti-corrosão de acordo com os requisitos contratuais em referência.

A NEW / NOVO		SIGNATURE / RUBRICA		DATE / DATA		STAMP / CARIMBO	
NAME / SOBRENOME				JUN/13/01			
DIMAS							
QA / INQART AT: ELEB - Embraer Liebherr Equipamentos do Brasil S. A.							
B REPAIR - RECONDITIONING / REPARO - REVISÃO							
QA / INQART AT:							
C REPAIR - RECONDITIONING / REPARO - REVISÃO							
QA / INQART AT:							

④ **WEIGHT / PESO**

⑤ **AUTHORIZED LIFE / VIDA AUTORIZADA**

⑥ **GUAR. LIFE / TEMPO GAR.**

④ WEIGHT / PESO		⑤ AUTHORIZED LIFE / VIDA AUTORIZADA				
	(g)	SHELF / ESTOQUE	TO RECONDITION / REVISÃO	TO SCRAP / REFUGAR	SHELF / ESTOQUE	IN USE/EMPREGO
A	16.750 g	30 months	20.000 cycles	AS PER MRB-145	36 months	24 months or 6.000LDG
B						
C						

7 REMARKS / OBSERVAÇÕES

According to Specification **ES - 145 - TP - 001**

TRANSFER AND INSTALLATION DETAILS

[illegible]



ENGINEERING LOG CARD

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① IDENTIFICATION OF EQUIPMENT / IDENTIFICAÇÃO DO EQUIPAMENTO

DESCRIPTION / DENOMINAÇÃO

MAIN SIDE STRUT LR

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SERIAL NUMBER / NÚMERO DE SÉRIE

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② CONTRACT NUMBER / NÚMERO DE CONTRATO		DATE / DATA	ISSUED BY / EMITIDO POR
A			
B			
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A NEW / NOVO		SIGNATURE / RUBRICA		DATE / DATA		STAMP / CARIMBO	
NAME / SOBRENOME				JUN/13/01			
DIMAS							
QA / INQART AT: ELEB - Embraer Liebherr Equipamentos do Brasil S. A.							
B REPAIR - RECONDITIONING / REPARO - REVISÃO							
QA / INQART AT:							
C REPAIR - RECONDITIONING / REPARO - REVISÃO							
QA / INQART AT:							

④ **WEIGHT / PESO**

⑤ AUTHORIZED LIFE / VIDA AUTORIZADA

⑥ **GUAR. LIFE / TEMPO GAR.**

(g)		SHELF / ESTOQUE	TO RECONDITION / REVISÃO	TO SCRAP / REFUGAR	SHELF / ESTOQUE	IN USE/EMPREGO
A	16.750 g	30 months	20.000 cycles	AS PER MRB-145	36 months	24 months or 6.000LDG
B						
C						

7 REMARKS / OBSERVAÇÕES

According to Specification **ES - 145 - TP - 001**

TRANSFER AND INSTALLATION DETAILS

[illegible]



ENGINEERING LOG CARD

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① IDENTIFICATION OF EQUIPMENT / IDENTIFICAÇÃO DO EQUIPAMENTO

DESCRIPTION / DENOMINAÇÃO

MAIN SIDE STRUT LR

PART NUMBER / NÚMERO DA PEÇA

MARK OR TYPE / MODELO

2309

SERIAL NUMBER / NÚMERO DE SÉRIE

482

MANUFACTURER / FABRICANTE

SUPPLIER / FORNECEDOR

ELEB - Embraer Liebherr Equipamentos do Brasil S. A.

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② CONTRACT NUMBER / NÚMERO DE CONTRATO

② CONTRACT NUMBER / NÚMERO DE CONTRATO		DATE / DATA	ISSUED BY / EMITIDO POR
A			
B			
C			

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A NEW / NOVO		SIGNATURE / RUBRICA		DATE / DATA		STAMP / CARIMBO	
NAME / SOBRENOME				JUN/13/01			
DIMAS							
QA / INQART AT: ELEB - Embraer Liebherr Equipamentos do Brasil S. A.							
B REPAIR - RECONDITIONING / REPARO - REVISÃO							
QA / INQART AT:							
C REPAIR - RECONDITIONING / REPARO - REVISÃO							
QA / INQART AT:							

④ **WEIGHT / PESO**

⑤ AUTHORIZED LIFE / VIDA AUTORIZADA

⑥ **GUAR. LIFE / TEMPO GAR.**

④ WEIGHT / PESO		⑤ AUTHORIZED LIFE / VIDA AUTORIZADA				
	(g)	SHELF / ESTOQUE	TO RECONDITION / REVISÃO	TO SCRAP / REFUGAR	SHELF / ESTOQUE	IN USE/EMPREGO
A	16.750 g	30 months	20.000 cycles	AS PER MRB-145	36 months	24 months or 6.000LDG
B						
C						

7 REMARKS / OBSERVAÇÕES

According to Specification **ES - 145 - TP - 001**

TRANSFER AND INSTALLATION DETAILS

[illegible]



ENGINEERING LOG CARD

FICHA DE IDENTIFICAÇÃO DE EQUIPAMENTOS

① IDENTIFICATION OF EQUIPMENT / IDENTIFICAÇÃO DO EQUIPAMENTO

DESCRIPTION / DENOMINAÇÃO

MAIN SIDE STRUT LR

PART NUMBER / NÚMERO DA PEÇA

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2309

SERIAL NUMBER / NÚMERO DE SÉRIE

482

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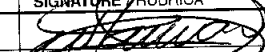
② CONTRACT NUMBER / NÚMERO DE CONTRATO

NUMBER / NÚMERO		DATE / DATA	ISSUED BY / EMITIDO POR
A			
B			
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A NEW / NOVO		SIGNATURE / RUBRICA		DATE / DATA		STAMP / CARIMBO	
NAME / SOBRENOME				JUN/13/01			
DIMAS							
QA / INQART AT: ELEB - Embraer Liebherr Equipamentos do Brasil S. A.							
B REPAIR - RECONDITIONING / REPARO - REVISÃO							
QA / INQART AT:							
C REPAIR - RECONDITIONING / REPARO - REVISÃO							
QA / INQART AT:							

④ **WEIGHT / PESO**

⑤ AUTHORIZED LIFE / VIDA AUTORIZADA

⑥ **GUAR. LIFE / TEMPO GAR.**

④ WEIGHT / PESO		⑤ AUTHORIZED LIFE / VIDA AUTORIZADA				
	(g)	SHELF / ESTOQUE	TO RECONDITION / REVISÃO	TO SCRAP / REFUGAR	SHELF / ESTOQUE	IN USE/EMPREGO
A	16.750 g	30 months	20.000 cycles	AS PER MRB-145	36 months	24 months or 6.000LDG
B						
C						

7 REMARKS / OBSERVAÇÕES

According to Specification **ES - 145 - TP - 001**

TRANSFER AND INSTALLATION DETAILS

[illegible]

AFFIX CONTINUATION SHEETS / ACRESCENTAR FOLHAR COMPLETAR

9 - RECONDITIONING - REPAIRS - SERVICING / REVISÃO - REPARO - MANUTENÇÃO

[illegible]

10 - ENGINEERING CHANGES / MODIFICAÇÕES TÉCNICAS

[illegible]

11 - MAJOR COMPONENTS FITTED / PRINCIPAIS COMPONENTES INSTALADOS

[illegible]

	SERIAL NUMBER Nº DE SÉRIE	DESCRIPTION DESCRIÇÃO	INSTALLED IN INSTALADO EM	FDR - P. R. - PPS	
				EQUIPM./COMP CONJUNTO	LMU DATA VENCIMENTO

SERVICEABLE RECORD

REMOVAL RECORD

P/N ON 2309-3500-503	S/N ON 482	P/N OFF 2309-3500-503	S/N OFF 528				
DESCRIPTION MLG Side Strut Assy		LOGPAGE 2945670	FLT 4269	TAIL NO. 48901	POSITION #2		
FOUR NUMBER 101011 0037		WORK ORDER 48565		APU SERIAL NUMBER		ENGINE SERIAL NUMBER	
CONDITION ☐ NEW ☒ OVERHAUL ☐ REPAIR ☐ CONT. TIME ☐ ROBBED FROM ☐ POSITION OTHER		☒ REPLACED ☐ REMOVED ONLY ☐ TROUBLESHOOTING ☐ INSTALLED ONLY REASON Time change					
SHELF LIFE ☒ YES ☐ NO EXPIRES 4/29/14		ENTERED IN AURA ☒ YES ☐ NO BY K67031083					
INSPECTED BY LM	EMP NO 703005	DATE 11/15/11	MECHANIC INITIALS KG	EMP NO. 7031083	STA 1AH	DATE 12/11/11	

12.20.11 eap

Yellow Copy - Records

White Copy - Records

Green Copy - Attached to Removal Part

1. Approving National Aviation Authority/Country: FAA/United States		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG				3. Form Tracking Number: 20123648	
4. Organization Name and Address: Hawker Pacific Aerospace Repair Station No. RJ3R817L 11240 Sherman Way Sun Valley, CA. 91352						5. Work Order/Contract/Invoice Number: XL8565	
6. Item:	7. Description:	8. Part Number:	9. Eligibility:*	10. Quantity:	11. Serial/Batch Number:	12. Status/Work:	
1	MLG MAIN SIDE STRUT ASSEMBLY	2309-3500-503	N/A	1.0	482	OVERHAULED	
13. Remarks: PO# RO1010110037 (SEE ATTACHED DOCUMENTATION) CSN:19,015.00 CSO/TSO:ZERO OVERHAULED IAW ELEC CMM CHAPTER 32-10-03 REV. 13 DATED 28FEB2010 AND EC 3200-01006 REV. L DATED 21JUL2010. 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.145.4518.							
14. 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 13.			19. ☒ 14 CFR 43.9 Return to Service ☒ 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 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: HPI 41 <i>Ariel Go</i>		21. Approval/Certificate No.: RJ3R817L		
17. Name (Typed or Printed):		18. Date(m/d/y):	22. Name (Typed or Printed): ARIEL GO		23. Date(m/d/y): Nov/11/2011		
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.							

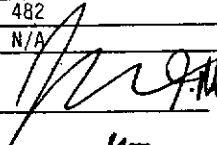
- FINAL -

FAA REPAIR STATION
RJ3R817L

WORK ORDER #	XL8565
RECEIPT DATE	10/13/2011
CUSTOMER	EXPRESSJET AIRLINES
CUSTOMER P.O.	RO1010110037
URGENCY	NORMAL
	TAIL# 906

RECEIVING PLANNER WORK ORDER INFORMATION						
QTY	P.O. PART NUMBER	DESCRIPTION				SERIAL NUMBER
1	2309-3500-503	MAIN SIDE STRUT ASSY-LR				482
MANUFACTURER		CSO	CSN	TSO	TSN	AIRCRAFT TYPE
EMBRAER		19015.00	19015.00	24778.41	24778.41	EMBRAER EMB-145 (ERJ)
COND AS RECV IN REC DEPT						
CUSTOMER REPORTED DISCREP		NONE				
DATE OF LAST REP / OH		REF. WO:				
WARRANTY		N/A				
CUSTOMER INSTRUCTIONS		OVERHAUL ACN 906 ACN 906				

INITIAL EVALUATION RESULTS	
UNIT RECEIVED IN WITH NORMAL WEAR CONDITIONS. OVERHAUL IN ACCORDANCE WITH ELEB CMM 32-10-03, AND EC 3200-01006.	
INITIAL TEST	Not Applicable

REPAIR ACTION DESCRIPTION			
WORK ACCOMPLISHED OVERHAULED IN ACCORDANCE WITH ELEB CMM 32-10-03 REV 13, DATED 28FEB2010 AND EC 3200-01006 REV L, DATED 21JULY2010.			
CSO: ZERO TSO: ZERO 			
MBS 11NOV2011			
AS SHIPPED PART NUMBER: 2309-3500-503 UNIT EXCHANGED FOR P/N: N/A S/N: 482 S/N: N/A PUBLICATION: 32-10-02 W.D.#: N/A DATE:			
Signature - Certificated Mechanic/Supervisor: <i>MBS</i> HPI 119 MFG Cert #: <u>3969194</u> Date: <u>NOV 11 2011</u>			
Signature - Certificated Inspector: <i>Amiel Longue</i> Cert #: <u>3500323</u> Date: <u>NOV 11 2011</u>			

Form No. QC799

XL8565 OFF 906

HOURS TSN	CYCLES TSN	HOURS TSO	CYCLES TSO	HRS THIS INSTL	CYC THIS INSTL
24,778.41	19,015	24,778.41	19,015	24,778.41	19,015

PART NUMBER	PART DESCRIPTION	SERIAL	CSI	CSN	CSO	TSI	TSN	TSO
2309-2510-505	MAIN LOWER SIDE STRUT	4800399-08	19,015	19,015	19,015	24,778.41	24,778.41	24,778.41
		▲ In XJT System as SN 3183512/09 -- will need SN change upon return.						
2309-3515-001	MLG, SIDE STRUT, UPPER AXLE	OF3797507-02	19,015	19,015	19,015	24,778.41	24,778.41	24,778.41
		▲ In XJT System as SN 3797507/02 -- will need SN change upon return.						
2309-3516-001	MLG, SIDE STRUT, CENTRAL AXLE	OF1806217/04	19,015	19,015	19,015	24,778.41	24,778.41	24,778.41
		▲ In XJT System as SN 1806217/04 -- will need SN change upon return.						
2309-2502-501	UPPER SIDE STRUT, MAIN	OF513189-4/08	19,015	19,015	19,015	24,778.41	24,778.41	24,778.41
		▲ In XJT System as SN 2028266/08 -- will need SN change upon return.						
2309-3706-501	CARDAN ASSY	OF530402-9/01	19,015	19,015	19,015	24,778.41	24,778.41	24,778.41
		▲ In XJT System as SN 1804536/05 -- will need SN change upon return.						



Vendor
HAWKER PACIFIC AEROSPACE
11240 Sherman Way
Sun Valley, CA 91352 US

XL8565

Mail Invoices To
ExpressJet Airlines
Atten: Accounts Payable
444 South River Road
St. George, UT 84790 US

Repair Order

Repair Order #

RO1010110037



THIS NUMBER MUST APPEAR ON ALL INVOICES, PACKING SLIPS,
PACKAGES & CORRESPONDENCE.

Ship To
ExpressJet Airlines
19200 Primary Rd.
ExpressJet Maintenance Hangar
Cleveland, OH 44135 US

Page 1 of 4
RECEIVED
OCT 13 2011
REC'D BY C.B.

Vendor # 0890021	Order Date 10/10/2011	Ship Via AIRRIDE	F.O.B. Origin	Terms NET 30
Buyer Sharon Gall	Phone: 216-501-6650 Fax: 832-353-2056	Approved D2760		

Line	Part Number Description Vendor Part Number RFQ/Quote No. Remarks	Serial Work Scope Contract No.	Priority Due Date Tail Number	UM Station Branch Account	Quantity Unit Cost Exp Fee Line Total
\$\$>>>> PLEASE VERIFY FAULT AND PROVIDE QUOTATION BEFORE PROCEEDING WITH REPAIR OR OVERHAUL. PLEASE FORWARD INFORMATION TO FAX NUMBER 832-353-2056. IF YOU HAVE ANY QUESTIONS PLEASE CALL YOUR RESPECTIVE EXPRESSJET ACCOUNT MANAGER. <<<<<\$\$					
1.	2309-3500-503 MAIN SIDE STRUT ASSY, LH 2309-3500-503	482 OVERHAUL	1-AOG ONLY 11/15/2011 906	EA CLE LINE E_COM	1 0.00 0.00
1-1 Part: 2309-3500-503, Serial: 482, Description: MAIN SIDE STRUT ASSY, LH CSI/FC:19015.00, CSN/FC:19015.00, CSO/FC:19015.00, TSI/FH:24778.41, TSN/FH:24778.41, TSO/FH:24778.41					
1-2 Part: 2309-3516-001, Serial: 1806217/04, Description: MLG, SIDE STRUT, CENTRAL AXLE CSI/FC:19015.00, CSN/FC:19015.00, CSO/FC:19015.00, TSI/FH:24778.41, TSN/FH:24778.41, TSO/FH:24778.41					
→ 1-3 Part: 2309-3706-501, Serial: 1804536/05, Description: CARDAN ASSY CSI/FC:19015.00, CSN/FC:19015.00, CSO/FC:19015.00, TSI/FH:24778.41, TSN/FH:24778.41, TSO/FH:24778.41					
1-4 Part: 2309-2510-505, Serial: 3183512/09, Description: MAIN LOWER SIDE STRUT					

THIS ORDER IS EXPRESSLY MADE AND ITS ACCEPTANCE IS EXPRESSLY LIMITED TO THE TERMS AND CONDITIONS CONTAINED HEREIN.	AUTHORIZED SIGNATURE	SUBTOTAL: 0.00
		EXP FEE: 0.00
		TOTAL: 0.00

Repair Order

Repair Order # RO1010110037

Page 4 of 4

Line	Part Number Description Vendor Part Number RFQ/Quote No. Remarks	Serial Work Scope Contract No.	Priority Due Date Tail Number	UM Station Branch Account	Quantity Unit Cost Exp Fee Line Total
	performed the repair. Any deviations must be approved by ExpressJet Airlines Quality Assurance prior to repair and meet all capabilities for the specified component.				
			SUBTOTAL: 0.00		



Landing Gear Maintenance Report

E145 RH MAIN GEAR LEG ASSY

Sales Order: 660041924	
Mfg P/N: 2309-3002-616	A/C: N48901
Mfg S/N: 247	MSN: 501
CPN: N/A	PO: RO-3180-145501

Customer Documentation Package

Evaluation Report and Airworthiness Release Certificate

Life Limit Report

Service Bulletin Report

Customer Purchase Order (PO, RO, SO)

Concessions

Certificates for New Parts

Certificates for Replaced Parts (with Traceability)

Previous Operator Traceability

FAA REPAIR STATION RJ3R817L
EASA: DE.145.0001

Prepared By: Erika Yarrell

Erika Cole-
Yarrell
Stamp: (U724632)
Digitally signed by
Erika Cole-Yarrell
(U724632)
Date: 2022.10.21
10:30:31 -07'00'

Date: 10/21/2022



Landing Gear Maintenance Report

E145 RH MAIN GEAR LEG ASSY

Sales Order: 660041924	
Mfg P/N: 2309-3002-616	A/C: N48901
Mfg S/N: 247	MSN: 501
CPN: N/A	PO: RO-3180-145501

Evaluation Report and Airworthiness Release Certificate

1. Approving Civil Aviation Authority / Country FAA / United States		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, Airworthiness Approval Tag				3. Form Tracking Number: 158303	
4. Organization Name and Address:  HAWKER PACIFIC AEROSPACE Hawker Pacific Aerospace Repair Station No. RJ3R817L 11240 Sherman Way Sun Valley, CA. 91352						5. Work Order/Contract/Invoice No./P.O. No.: 660041924 / / / RO-3180-145501	
6. Item	7. Description	8. Part Number	9. Quantity	10. Serial Number	11. Status/Work		
1	RH LEG STRUT ASSY LR	2309-3002-616	1	247	OVERHAULED		
12. Remarks: Life Details: TSN: 43014:12 CSN: 33573.00 TSO: ZERO CSO: ZERO OVERHAULED IN ACCORDANCE WITH ELEB CMM 32-10-01 REV.25 DATED 30MAR2021, AND CMM 32-10-02 REV.13 DATED 30SEP2015 COMPLIED WITH ELEB-TD 2022-027254 DATED 29AUG2022 COMPLIED WITH ELEB-TD 2022-026276 DATED 29AUG2022 COMPLIED WITH ELEB-TD 2022-027472 DATED 1SEPT2022 COMPLIED WITH ELEB-TD 2022-028197 DATED 8SEPT2022 POST MOD: H, F INCLUDES: SHOCK ABSORBER P/N 2309-2005-001 S/N 022 POST MOD: A, B, C MLG TRAILING ARM EQUIP P/N 2309-3037-403, S/N 1850862/001							
13a. Certifies the items identified above were manufactured in conformity to: ☐ Approved design data and are in 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.:	
				 		RJ3R817L	
13d. Name:		13e. Date:		14d. Name: Robert Luna		14e. Date: (dd/mm/yyyy) 21.Oct.2022	
USER / INSTALLER RESPONSIBILITIES							
Note: 1). It is important to understand that the existence of the document 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 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. 3) Statements 13a and 14a do not constitute installation certification. In all cases, 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.							

Evaluation Report

HAWKER PACIFIC AEROSPACE

FAA Repair Station RJ3R817L



Hawker Pacific Aerospace
11240 Sherman Way
Sun Valley, CA. 91352 USA
Tel: (818) 765-6201
Fax: (818) 765-4158

Event: L-00528-RMG Sales Order: 660041924
Receipt Date: Aug 9, 2022
Customer JSX
Customer P.O. RO-3180-145501
Urgency Tail # N48901

Receiving Planner Work Order Information

Qty	P.O. Part Number	Description	Serial Number	Manufacturer		Eligibility
1	2309-3002-516	RH LEG STRUT ASSY LR	247	ELEB - EQUIPAMENTOS LTDA DO BRASIL		ERJ 140/145
Customer Reported Discrepancy			CSO	CSN	TSO	TSN
NONE			14563.00	33573.00	6408:42	43014:12
Warranty		N/A				
Customer Instructions		OVERHAUL				

Initial Evaluation Results

RECEIVED RH MAIN LANDING GEAR DUE FOR OVERHAUL. NO MAJOR DAMAGE EXTERNALLY NOTED.
UNIT WILL BE OVERHAULED IN ACCORDANCE WITH ELEB CMM 32-10-01

Initial Test

Repair Action Description

Work accomplished

OVERHAULED IN ACCORDANCE WITH ELEB CMM 32-10-01 REV.25 DATED 30MAR2021,
AND CMM 32-10-02 REV.13 DATED 30SEP2015
COMPLIED WITH ELEB-TD 2022-027254 DATED 29AUG2022
COMPLIED WITH ELEB-TD 2022-026276 DATED 29AUG2022
COMPLIED WITH ELEB-TD 2022-027472 DATED 1SEPT2022
COMPLIED WITH ELEB-TD 2022-028197 DATED 8SEPT2022

CSO: ZERO TSO: ZERO POST MOD: H, F

INCLUDES: SHOCK ABSORBER P/N 2309-2005-001 S/N 022 POST MOD: A, B, C
MLG TRAILING ARM EQUIP P/N 2309-3037-403, S/N 1850862/001

SEE ATTACHMENTS FOR AD/SB STATUS AND LLP DATA.

Repair Action Descr. created by	U753070	Print by:	U753070	Print at:	Oct 21, 2022
As shipped Part Number	2309-3002-616	S / N	247	Publication	32-10-01



Landing Gear Maintenance Report

E145 RH MAIN GEAR LEG ASSY

Sales Order: 660041924	
Mfg P/N: 2309-3002-616	A/C: N48901
Mfg S/N: 247	MSN: 501
CPN: N/A	PO: RO-3180-145501

Life Limit Report



LIFE LIMIT REPORT

EMB-145 MAIN GEAR LEG ASSY

Sales Order: 660041924			
Mfg P/N:	2309-3002-616	A/C:	N48901
Mfg S/N:	247	MSN:	501
CPN:	N/A	PO:	RO-3180-145501

AS RECEIVED BY HPA

MFG P/N	NOMENCLATURE	MFG S/N	SLL*	CSN	REMAINING SLL
2309-3002-516	MAIN LANDING GEAR	247	UNLIMITED	33,573	N/A
2309-3014-602	LEG STRUT ASSY	OF4934441-01	UNLIMITED	33,573	N/A
2309-3006-602	LEG STRUT	OF436449-8/01	60,000	33,573	26,427
2309-3025-001	TRUNNION AXLE	OF3288625-05	60,000	33,573	26,427
2309-3025-001	TRUNNION AXLE	OF5218987-12	60,000	33,497	26,503
2309-2027-005	ACTUATOR ATTACH AXLE	OF1770589/03	UNLIMITED	33,573	N/A
2309-2029-001	SHOCK ATTACH AXLE	1082476/004	60,000	24,188	35,812
2309-2029-001	SHOCK ATTACH AXLE	OF132102-9/10	60,000	33,554	26,446
2309-3032-005	SIDE STRUT ATTACH AXLE	OF3142677-02	60,000	33,573	REPLACED
2309-3055-002	TRAILING ARM AXLE	OF3142227-01	60,000	33,573	26,427
2309-3037-403	TRAILING ARM EQUIP	OF493547-3/01	60,000	33,573	REPLACED
2309-3009-507	TRAILING ARM	OF4212865/01	60,000	33,573	REPLACED
2309-3040-001	WHEEL AXLE	OF4169355-01	60,000	33,573	REPLACED
2309-2050-003	PIVOT	1066210/015	60,000	24,189	REPLACED
2309-2041-401	CARDAN ASSY	1114245/001	UNLIMITED	24,193	N/A
2309-2048-005	CARDAN	1102435/001	60,000	24,193	35,807
2309-2005-001	SHOCK ABSORBER	022	UNLIMITED	37,322	N/A
2309-2057-001	PISTON TUBE ASSY	OF3665542-01	UNLIMITED	37,322	REPLACED
2309-2058-001	PISTON TUBE	OF2358350-03	60,000	37,322	REPLACED

*SAFE LIFE LIMITS (SLL) MRB-145/1150 Rev. 21 Dated 16-JUN-2020

Cumulative cycle information for each life limited component or assembly is provided by and recorded under the responsibility of the customer. Safe life limits have been reviewed and verified to approved and/or accepted data. Deviations from the technical publication's safe life limit may be reflected, as dictated by the customer.

FAA REPAIR STATION RJ3R817L

Responsible for content: LAXUG 610/ Patrick Keller

AS RELEASED BY HPA

MFG P/N	MFG S/N	CSN	REMAINING SLL	CSO	PREVIOUS OPERATOR
2309-3002-616	247	33,573	N/A	0	N48901
2309-3014-602	OF4934441-01	33,573	N/A	0	N48901
2309-3006-602	OF436449-8/01	33,573	26,427	0	N48901
2309-3025-001	OF3288625-05	33,573	26,427	0	N48901
2309-3025-001	OF5218987-12	33,497	26,503	0	N48901
2309-2027-005	OF1770589/03	33,573	N/A	0	N48901
2309-2029-001	1082476/004	24,188	35,812	0	N48901
2309-2029-001	OF132102-9/10	33,554	26,446	0	N48901
2309-3032-005	1760051/004	0	60,000	N/A	NEW
2309-3055-002	OF3142227-01	33,573	26,427	0	N48901
2309-3037-403	1850862/001	0	60,000	N/A	NEW
2309-3009-507	182088/002	0	60,000	N/A	NEW
2309-3040-001	154911/003	0	60,000	N/A	NEW
2309-2050-003	0109953/38	29,354	30,646	0	N245JX
2309-2041-401	1114245/001	24,193	N/A	0	N48901
2309-2048-005	1102435/001	24,193	35,807	0	N48901
2309-2005-001	022	37322	N/A	0	N48901
2309-2057-003	1171500/001	11439	N/A	0	N243JX
2309-2058-001	1141619/001	11439	48561	0	N243JX

Prepared By: Erika Yarrell

Stamp: Erika Cofe-Yarrell (U724632)

Erika Cofe-Yarrell
(U724632)
Date: 2022.10.21
102341-0700

Date: 10/21/2002



LIFE LIMIT REPORT

EMB-145 MAIN GEAR LEG ASSY

Sales Order: 660041924			
Mfg P/N:	2309-3002-616	A/C:	N48901
Mfg S/N:	247	MSN:	501
CPN:	N/A	PO:	RO-3180-145501

AS RECEIVED BY HPA

MFG P/N	NOMENCLATURE	MFG S/N	SLL*	CSN	REMAINING SLL
2309-2064-005	CYLINDER ASSY	1245490/001	UNLIMITED	17,774	N/A
2309-2056-005	CYLINDER	1217224/001	60,000	17,774	42,226
2309-2082-001	BEARING CAP	1584436/011	60,000	394	59,606

AS RELEASED BY HPA

MFG P/N	MFG S/N	CSN	REMAINING SLL	CSO	PREVIOUS OPERATOR
2309-2064-005	1245490/001	17774	N/A	0	N48901
2309-2056-005	1217224/001	17774	42226	0	N48901
2309-2082-001	1584436/011	394	59606	0	N48901

*SAFE LIFE LIMITS (SLL) MRB-145/1150 Rev. 21 Dated 16-JUN-2020

Cumulative cycle information for each life limited component or assembly is provided by and recorded under the responsibility of the customer. Safe life limits have been reviewed and verified to approved and/or accepted data. Deviations from the technical publication's safe life limit may be reflected, as dictated by the customer.

FAA REPAIR STATION RJ3R817L
EASA: DE.145.0001

Responsible for content: LAXUG 610/ Patrick Keller

Prepared By: Erika Yarrell

Date: 10/21/2022

Erika Cole- Yarrell
Stamp: (U724632)
Digitally signed by Erika Cole-Yarrell (U724632) Date: 2022.10.21 10:23:50 -07'00'

Activity-related document
IQ MOVE Document No.: 28067



Landing Gear Maintenance Report

E145 RH MAIN GEAR LEG ASSY

Sales Order: 660041924	
Mfg P/N: 2309-3002-616	A/C: N48901
Mfg S/N: 247	MSN: 501
CPN: N/A	PO: RO-3180-145501

Service Bulletin Report

Sales Order: 660041924

Mfg P/N: 2309-3002-616

A/C: N48901

Mfg S/N: 247

MSN: 501

CPN: N/A

PO: RO-3180-145501

Service Bulletin Report E145 RH MLG LEG STRUT ASSY & SHOCK ABSORBER

SERVICE BULLETIN	AD NOTE	EO or REF	DESCRIPTION	ACCOMPLISHMENT STATUS	
145-32-0009	98-11-30	-	REPLACEMENT OF THE SHOCK ABSORBER PLAIN BEARING	PCW	
145-32-0010 R1	-	-	REPLACEMENT OF FRONT PROXIMITY SWITCH TARGET		N/R
145-32-0035 R1	2005-20-37	2309-2002-32-04	TRAILING ARM CARDAN REPLACEMENT		N/R
145-32-0046	-	-	WOW PROXIMITY SWITCH ELECTRICAL CONNECTOR REPLACEMENT	CW	
145-32-0050	-	-	REPLACEMENT OF THE WOW PROXIMITY SWITCH SUPPORT AND TARGET	PCW	
145-32-0059	-	-	BRAKE HOSE GUIDE SUPPORT REPLACEMENT	CW	
145-32-0066 R3	2004-20-13	2309-2006-32-01	CORROSION PROTECTION OF MLG BUSHING HOUSINGS		N/R
145-32-0070 R2	-	2309-2005-32-01	REPAIR TO MLG SHOCK ABSORBER	PCW	
145-32-A080 R1			INSPECTION/REPLACEMENT OF MAIN LANDING GEAR TRAILING ARM CARDAN (INFO ONLY)		N/R
145-32-0091 R1	2005-20-37	2309-2002-32-04	MLG TRAILING ARM INSPECTION		N/R
145-32-0094	-	2309-2002-32-02	REPAIR TO TRAILING ARM		N/R
145-32-0097	-	2309-2002-32-05	INSPECTION AND CORROSION PROTECTION OF THE AXLE	CW	
145-32-0113	-	2309-2002-32-07 2309-2006-32-02 2309-2009-32-01	MAIN LANDING GEAR MODIFICATION PACKAGE	CW	
145-32-0114	-	2309-2002-32-06	REPAIR OF THE AXLE STRUT OF THE MAIN LANDING GEAR LEG	CW	
145-32-0117	-	2309-2002-32-08	LANDING GEAR TRACEABILITY VERIFICATION METHOD		N/R
145-32-0122	2010-03-07	-	INSPECTION/REPLACEMENT OF MAIN LANDING GEAR TRAILING ARM PIN	CW	

LEGEND:

PCW - PREVIOUSLY COMPLIED WITH

CW - COMPLIED WITH (THIS VISIT)

PARTIAL - PARTIALLY COMPLIED WITH

N/A - NOT ACCOMPLISHED

N/R - NOT REQUIRED

Prepared by: ABIGAIL CRUZ Stamp: 2211 AC

Date: 20-Oct-22



Landing Gear Maintenance Report

E145 RH MAIN GEAR LEG ASSY

Sales Order: 660041924	
Mfg P/N: 2309-3002-616	A/C: N48901
Mfg S/N: 247	MSN: 501
CPN: N/A	PO: RO-3180-145501

Customer Purchase Order (PO, RO, SO)



Kingman Aviation
7100 Flightline Dr, ATTN: JSX REP
Kingman, AZ, 86401
Phone: 469-791-7344

Repair Order

Order No.
RO-3180-145501

Account No.

Date
05-Aug-2022



Return To Address

Kingman Aviation
7100 Flightline Dr
ATTN: JSX REP
Kingman
AZ
86401
US
Phone: 469-791-7344

Bill To Address

Kingman Aviation
1341 W. Mockingbird Lane
600E
Dallas
TX
75247
US
Phone: 469-791-7335
Email: accountspayable@jsx.com

Vendor / Ship To Address

Hawker Pacific Aerospace
11240 Sherman Wy
Sun Valley
CA
91352

Purchase Agent		Shipping Method	Terms	Order Type	Priority	Order Reason	
Christian Brand		WILL CALL		Repair Order	Scheduled Maintenance	Scheduled Or Unscheduled Maintenance	
Line	Item / Description	Serial No.	Transaction Type	Qty	UOM	Unit Cost	Ext. Cost
1	2309-3002-515 MLG LEG STRUT ELEB - Equipped Leg Strut	247	Overhaul	1	EA	USD	USD
2	2309-2005-007 MLG Shock Absorber Assy	1281	Overhaul	1	EA	USD	USD
3	2309-2600-505 MLG Secondary Side Strut Assy	618	Overhaul	1	EA	USD	USD
4	2309-3037-605 MLG LEG STRUT ELEB - Equipped Trailing Arm	OF-9597937-0	Overhaul	1	EA	USD	USD
5	2309-3002-516 MLG LEG STRUT ELEB - Equipped Leg Strut	247	Overhaul	1	EA	USD	USD
6	2309-2005-001 MLG Shock Absorber Assy	022	Overhaul	1	EA	USD	USD
7	2309-3500-503 MLG Main Side Strut Assembly	482	Overhaul	1	EA	USD	USD
8	2309-2600-507 MLG Secondary Side Strut Assy	903	Overhaul	1	EA	USD	USD
9	2309-3037-403 Trailing arm	OF493547-3101	Overhaul	1	EA	USD	USD
10	1170S0000-01 NLG LEG STRUT LIEBHERR - Assembly	00245	Overhaul	1	EA	USD	USD
11	1172C0000-02 Main Drag Strut Assy	SP649-01	Overhaul	1	EA	USD	USD
12	1173B0000-03 NLG AUXILIARY DRAG STRUT Liebherr - Auxiliary Drag Strut Assy	SP654-01	Overhaul	1	EA	USD	USD
13	2309-3500-503 MLG Main Side Strut Assembly	OF6988270-01	Overhaul	1	EA	USD	USD

Remarks: TOTAL GEAR COST \$ 246,453.00

Parts Total	USD 0.00
Taxes	USD 0.00
Freight	USD 0.00
Other	USD 0.00
Order Total	USD 0.00

Purchasing Agent Christian Brand	Authorized Signature	Date
--	----------------------	------

Shipping Info:
WILL CALL

Order Info:
Aircraft: / SN:
Aircraft Model: EMB-145LR
Invoice No: 9140018430
WP No:



Kingman Aviation
7100 Flightline Dr, ATTN: JSX REP
Kingman, AZ, 86401
Phone: 469-791-7344

Repair Order

Order No.
RO-3180-145501

Account No.

Date
05-Aug-2022



Return To Address

Kingman Aviation
7100 Flightline Dr
ATTN: JSX REP
Kingman
AZ
86401
US
Phone: 469-791-7344

Bill To Address

Kingman Aviation
1341 W. Mockingbird Lane
600E
Dallas
TX
75247
US
Phone: 469-791-7335
Email: accountspayable@jsx.com

Vendor / Ship To Address

Hawker Pacific Aerospace
11240 Sherman Wy
Sun Valley
CA
91352

Purchase Agent

Christian Brand

Shipping Method

WILL CALL

Terms

Order Type

Repair Order

Priority

Scheduled
Maintenance
WO No:

Order Reason

Scheduled Or Unscheduled
Maintenance



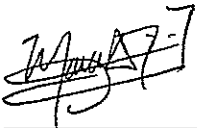
Landing Gear Maintenance Report

E145 RH MAIN GEAR LEG ASSY

Sales Order: 660041924	
Mfg P/N: 2309-3002-616	A/C: N48901
Mfg S/N: 247	MSN: 501
CPN: N/A	PO: RO-3180-145501

Concessions

IDR 37110**HAWKER PACIFIC**
AEROSPACE**FAA Repair Station RJ3R817L**
EASA: DE.145.0001

Part Data		Event Data	
Part Description	LEG STRUT EQUIPPED-LR (RH)	Repair Order	51680200
P/N	2309-3014-602:005TK	Event	L-00528-RMG
S/N	OF4934441-01	Sales Order	660041924
Customer S/N		Product (A/C Type)	ERJ-145
Detail P/N	2309-3006-602:001JK	Tail Sign	N48901
Detail S/N	OF:436449-8/01	Customer/Operator	101896 JSX
		Customer PO	RO-3180-145501
IDR Details		Additional Data	
IDR Status	CL - Closed	TSN	43014.20 FH
IDR Issue Date	15.Aug.2022	CSN	33573.00 CYC
IDR Close Date	10.Oct.2022	OEM Ref.	32-10-01
		OEM	ELEB
Discrepancy			
DIA (A15-A18) I/D DIA (A15/A18) MACHINED O/S TO REMOVE CORROSION			
OEM/DER Response			
ELEB-TD 2022-027254		Response date	29.Aug.2022
Customer Response			
NO CUSTOMER RESPONSE REQUIRED		Response date	29.Aug.2022
Engineer / Signature	Date OCT 10 2022	Inspector / Signature	Date OCT 11 2022
	Stamp F.L. 2247		Stamp 

IDR 37110

This Document holds no airworthiness approval and reference to OEM approval is required. The purpose of this document is for transmittal of engineering information within the Part 145 production facility only.

IDR 37110

HAWKER PACIFIC
AEROSPACE 

FAA Repair Station RJ3R817L
EASA: DE.145.0001

DIA (A15-A18) I/D
DIA (A15/A18) MACHINED O/S TO REMOVE CORROSION

This Document holds no airworthiness approval and reference to OEM approval is required. The purpose of this document is for transmittal of engineering information within the Part 145 production facility only.



**CUSTOMER
SUPPORT**

ELEB Equipamentos Ltda.

Rua Itabaiana, 40 – 12237-540 - São José dos Campos - SP – Brazil

Technical Disposition

ELEB-TD 2022-027254

REV.: /

SUBJECT

EMB-145 MLG Leg Strut Repair

CONTACT

To: Hawker Pacific Aerospace (HPA)
Phone: +1 818-765-6201 X449
fernando.loza@hawker.com

From: ELEB Customer Support Engineering
Phone: + 55 12 3935-5313/5456/5216
technicalsupport.eleb@embraer.com.br

IDENTIFICATION

Operator / Customer:	A/C:	A/C S/N / REG:	FH:	FC:
Delux Public Charter -JETSUITEX	EMB-145	145501 (N48901)	N/I	N/I

Part Number:	Part Number S/N:	FH:	FC:	Assembly (NHA) P/N / S/N
2309-3006-602	OF:436449-8/01	43014:12	33573.00	2309-3014-602 / OF4934441-01

REPAIR DATA

Repair Classification: <i>(made by requester)</i>	Minor	Reference:	# B
Permanente Repair?	Yes	Limitation for temporary repair:	Not applicable

RULES

- The technical disposition contained in this document is based solely on the data explicitly reported by the Customer. As no other information was provided by the Customer, ELEB assumes that the area/structural component(s) related to this technical disposition did not have any other previous damage and/or repair incurred to it. Therefore, ELEB disclaims any and all responsibility for incorrect, inaccurate or incomplete information provided by the Customer related to this matter.
- In case of any conflict between this document and any mandatory requirements issued by the Local Regulatory Authority, including but not limited to Airworthiness Directives, the Local Regulatory Authority document/orientation shall prevail.
- The contents herein are intended for information only and do not constitute airworthiness release approval. Any such approval must be given by the owner or operator of the aircraft according to the local regulatory authority procedures.

REFERENCES

- # A: Email received from Mr. Fernando Loza on August 25, 2022;
- # B: Inspection Discrepant Report # IDR 37110;
- # C: CMM TP 145/1170_32-10-01 Revision 25.

REVISION HISTORY

Rev. /: First Issue.



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Technical Disposition

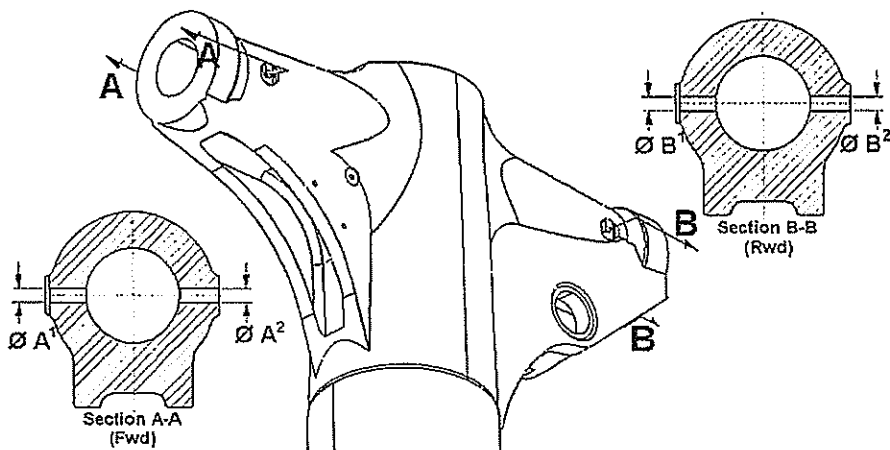
ELEB-TD 2022-027254

REV.: /

DESCRIPTION / REPORT / REQUEST

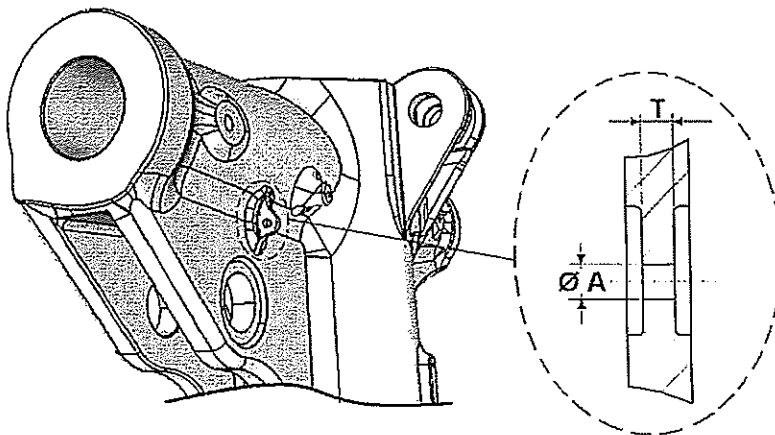
As per reported by Hawker Pacific Aerospace through reference # B, the MLG Leg Strut was repaired for corrosion removal as follows:

a) Area 1: Trunnion cross bolt bores:



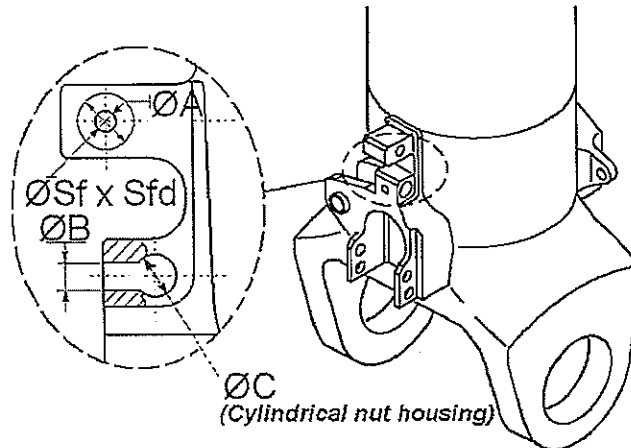
REFERENCE		REPAIR	DESIGN	CMM LIMIT
FWD	Ø A¹	0.4525" (11.493 mm)	Ø 9.5 + 0.1/-0 mm	Ø 11.168 mm (maximum)
	Ø A²	0.4525" (11.493 mm)		
RWD	Ø B¹	0.4525" (11.493 mm)		
	Ø B²	0.4525" (11.493 mm)		

b) Area 2: Bonding Jumper support attachment lug:



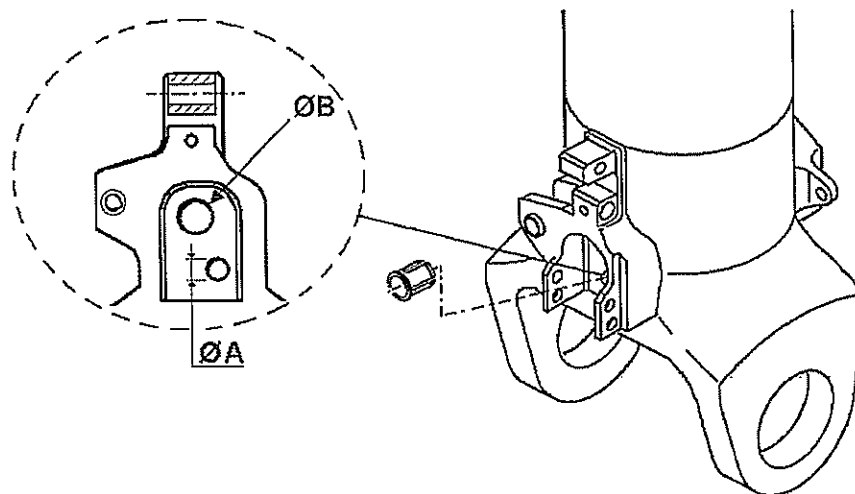
REFERENCE	REPAIR	DESIGN	CMM LIMIT
Ø A	0.3220" (8.179 mm)	6.5 +0.2/-0 mm	----
T	0.2370" (6.020 mm)	6 ± 0.1 mm	----

c) Area 3: Door Fitting attachment lug:



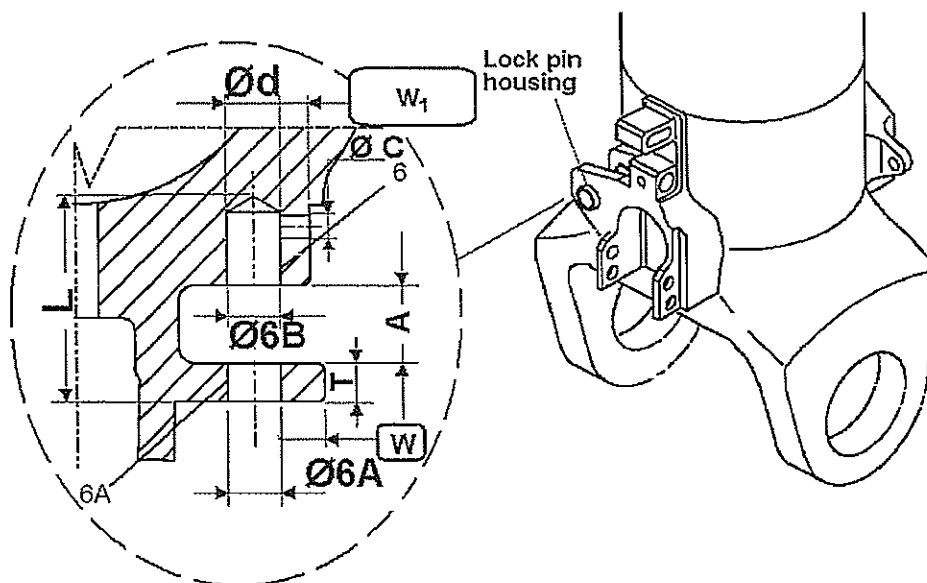
REFERENCE	REPAIR	DESIGN	CMM LIMIT
Ø A	0.2730" (6.934 mm)	Ø 6.8 +0.2/ -0 mm	Ø 9.015 mm (maximum)
Sf depth A ₁	N/A	-----	1.5 mm (max)
Sf depth A ₂	N/A		
Ø SfA ₁	1.000" (25.4 mm)	-----	Ø 25.5 mm
Ø SfA ₂	1.000" (25.4 mm)		
Ø B	0.4032" (10.241 mm)	Ø 8.4 +0.3/ -0 mm	-----
Ø C	0.5110" (12.979 mm)	Ø 13.0 +0.2/ -0 mm	Ø 15.400 mm (maximum)

d) Area 4: Harness Conduit Bore and Pivot Pin Housing:



REFERENCE	REPAIR	DESIGN	CMM LIMIT
Ø A	0.9300" (23.622 mm)	22 +0.3/ - 0 mm	25.021 mm (maximum)
Ø B	0.9995" (25.387 mm)	25 H7 mm	26.221 mm (maximum)

e) Area 5: Lock pin housing:



REFERENCE	REPAIR	DESIGN	CMM LIMIT
Distance A	1.1460" (29.108 mm)	29.3 mm (max)	----
T	0.4560" (11.582 mm)	10.95 mm (min)	----
L (length)	2.7070" (68.758 mm)	66.80 mm (max)	----
Ø 6A	0.7328" (18.613 mm)	16 H7 mm	19.018 mm
Ø 6B	0.8050" (20.447 mm)	16 H7 mm	19.018 mm
Ø d		12.7 mm (max)	
Ø C	0.3325" (8.445 mm)	6.9 mm (max)	9.000 mm
W	N/A	----	----
W1	0.2450" (6.223 mm)	----	----

HPA asks if the repairs performed are structurally acceptable and requests repair procedures to recover the machined bore and lugs to original dimensions.



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TECHNICAL DISPOSITION

Provided that procedure below is accomplished, ELEB agrees that this unit is structurally and functionally acceptable to return to service:

All Areas:

1. Perform Dye-penetrant inspection on reworked areas according to CMM 32-10-01 section 501;

Note: Cracks and corrosion are not allowed.

2. If no cracks and corrosion are found, do the glass bead peening in the blended/ reworked areas and restore the surface protective coating of the Leg Strut according to CMM instructions (refer to CMM TP 145/1170_32-10-01, section 601, table 601);

3. Refer to Area 1 (Trunnion cross bolt bores):

- a. Due to the cross bolt bores are beyond of conventional repair bushing condition, the manufacturing of an extra oversize bushing will be necessary. Refer to APPENDIX I for bushing design parameters.

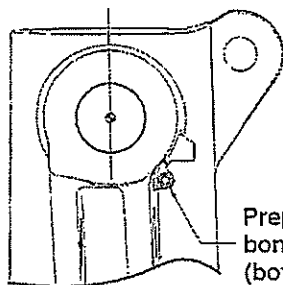
Note:

- i. Install the repair bushings as per CMM instructions (Refer to TP 145/1170_32-10-01_Section 601, "Item 9 - Special Repair Procedures G. (2) Repair at Bolt (70) hole (figure 1001 and 1012 of ILLUSTRATED PARTS LIST)". PAGE 663;
- ii. Assembly the repair bushing by thermal interference as recommended below:

- Housing Bore = Tolerance ISO H7 = (ID +0/ +0.018 mm);
- Bushing OD = Tolerance ISO p7 = (OD +0.018/ +0.036 mm).

4. Refer to Area 2 (Bonding Jumper support attachment lug):

- a. Protect the bore and face by applying Alodine 1200S in order to assure the electrical bonding, as per CMM instructions and figure below:



Prepare the surface for electrical
bonding by applying Alodine
(both faces)

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Technical Disposition**ELEB-TD 2022-027254**

REV.: /

- b. In order to restore the original diameter of $\varnothing 6.5 +0.2/-0$ mm a repair sleeve should be installed in the bore. It's recommended to manufacturing a sleeve from Aluminum Bronze 630 <ASTM B150> or Aluminum Bronze <AMS 4640> (Refer to APPENDIX II for sleeve reference);

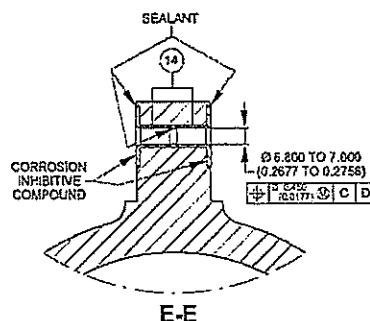
Notes:

- i. Use the CMM instructions as reference for repair bushings installation;
- ii. Apply a continuous coat of corrosion inhibitive compound in the bore (*Mastinox 6856K (preferred) or CA-1000 or COR-BAN 27L*) ;
- iii. Assembly the repair sleeve by thermal interference as recommended below:
 - Housing Bore = Tolerance ISO H7 = (ID +0/ +0.015 mm);
 - Bushing OD = Tolerance ISO p7 = (OD +0.015/ +0.030 mm);

5. Refer to Area 3 (Door Fitting attach lug):

- a. Apply a coat of green epoxy primer to the housing bore with a thickness of 0.007 to 0.015 mm (0.0003 to 0.0006 in), when dry, according to CMM TP145/1170_32-10-01(refer to item 4.D.(2) procedures);
- b. Apply a continuous coat of corrosion inhibitive compound Mastinox 6856K in the housing bore (Ref.: CMM TP145/1170_32-10-01, table 605);
- c. Note: The Corrosion Inhibitive Compound CA-1000 or COR-BAN 27L can be used as alternative of Mastinox 6856K;
- d. Manufacture a Special Oversize Sleeve (for bore $\varnothing B$) according to APPENDIX III attached on the end of this document;
- e. Install special the repair sleeve in order to restore the original diameter $\varnothing 8.4 +0.3/-0$ mm (Bore "B");
 - i. Use the CMM repair practices for repair bushing installation;
 - ii. Assembly the repair sleeve by thermal interference as recommended below:
 - Housing Bore = Tolerance ISO H7 = (ID +0/ +0.015 mm – Bore B);
 - Bushing OD = Tolerance ISO p7 = (OD +0.015/ +0.030 mm – Bore B);

- f. If applicable, install the repair bushing in the Bore "A" as per CMM TP 145/1170 section 601, table 623 – item 14, and figure 613 – sheet 8;
- g. After the bushings are assembled, apply a layer of sealant around the joint of bushings flanges and between bushings interfaces according to sketch below (Ref.: CMM TP145/1170_32-10-01 - Section 601, table 605):



6. Refer to Area 4 (Harness Conduit Bore and Pivot Pin Housing):

- a. Install the repair bushings as per CMM instructions (TP 145/1170_32-10-01);
 - i. Bore "ØA": Reference Part Number P/N 2309-5012-301/ or -303 (Figure 613 - item 17 - table 623);
 - ii. Bore "ØB": Reference Part Number P/N MFI021H7B026R (Figure 601 - item 5 - table 618);

7. Refer to Area 5 (Lock pin housing):

- a. Install the repair bushings as per CMM instructions (TP 145/1170_32-10-01) and sketch below:

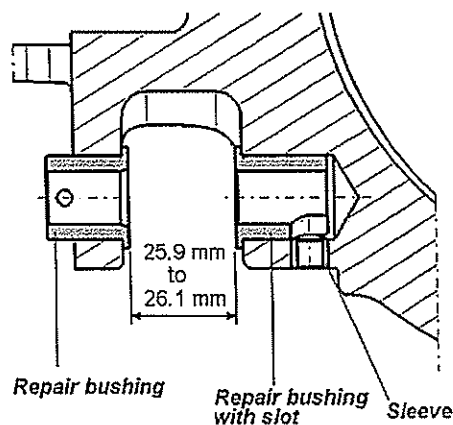


Figure 01 - Bushing assembling



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- i. **Bore "6A"**: Reference Part Number P/N 2309-2026-303 (Figure 601 - item 6A - table 618);

Note: The OD of the repair bushing P/N 2309-2026-303 (Ø21 mm) must be adjusted to the current bore size respecting to ISO tolerances specified on table 618 - item 6A (Refer to CMM TP 145/1170_32-10-01 – Section 601);

- ii. **Bore "6B" associated with bore "d"**: Due to bore ID is beyond of repair limit a special bushing must be manufactured. Refer to APPENDIX IV for bushing manufacturing parameters.

Note: Use the fitting tolerance and distance between flanges as per Table 618 - item 6);

- iii. **Bore "C"**: Reference Part Number P/N 2309-5009-301 (Figure 613 – item 16 - Table 623).

- b. Align the slot of the special bushing (Ø6B) with the set screw bore according to Figure 01 (above).

8. Restore the others surface protective coating as per CMM TP 145/1170_32-10-01.



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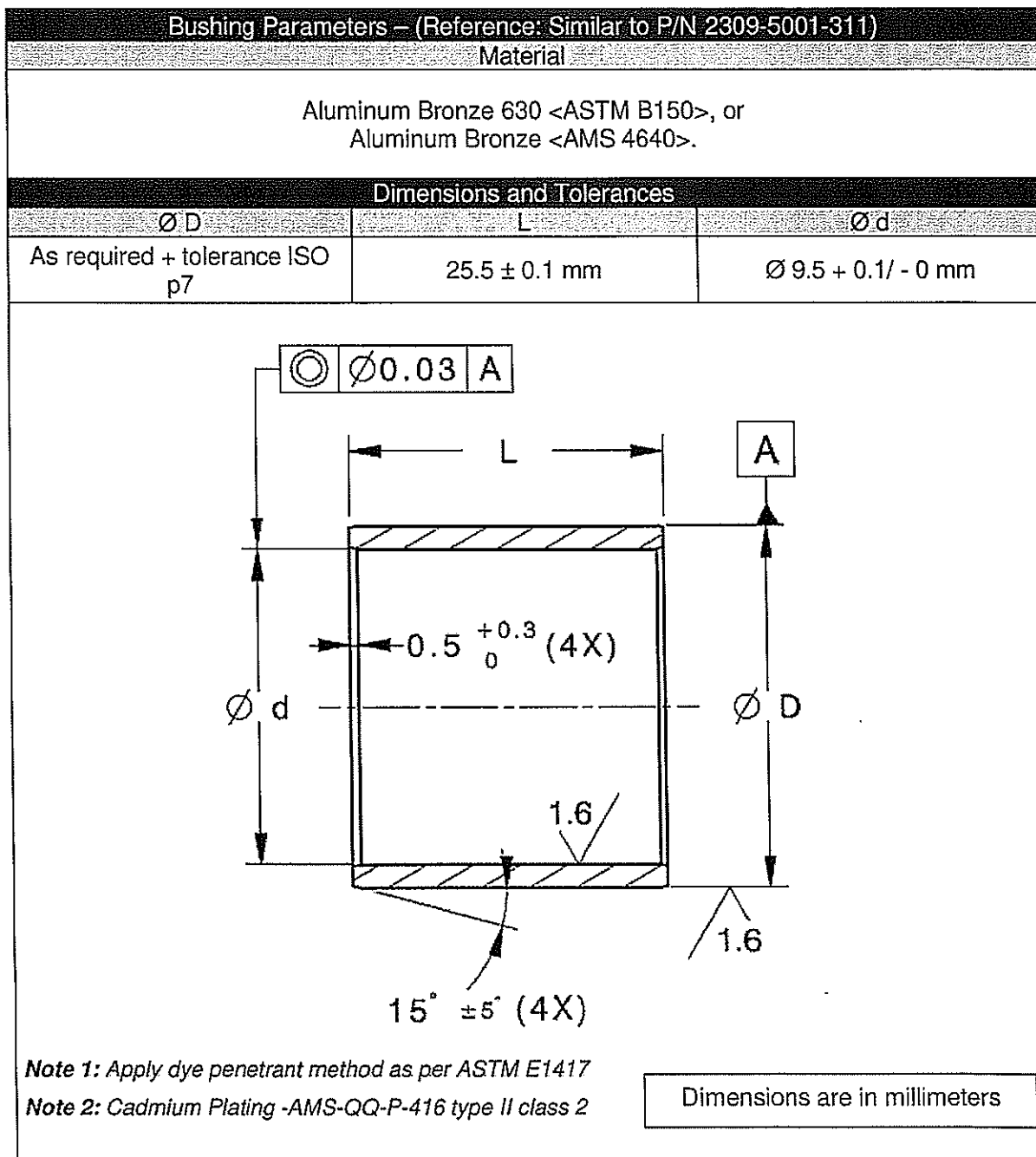
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Technical Disposition

ELEB-TD 2022-027254

REV.: /

APPENDIX I – SPECIAL REPAIR BUSHING SCHEME (VALID TO - Area 1)





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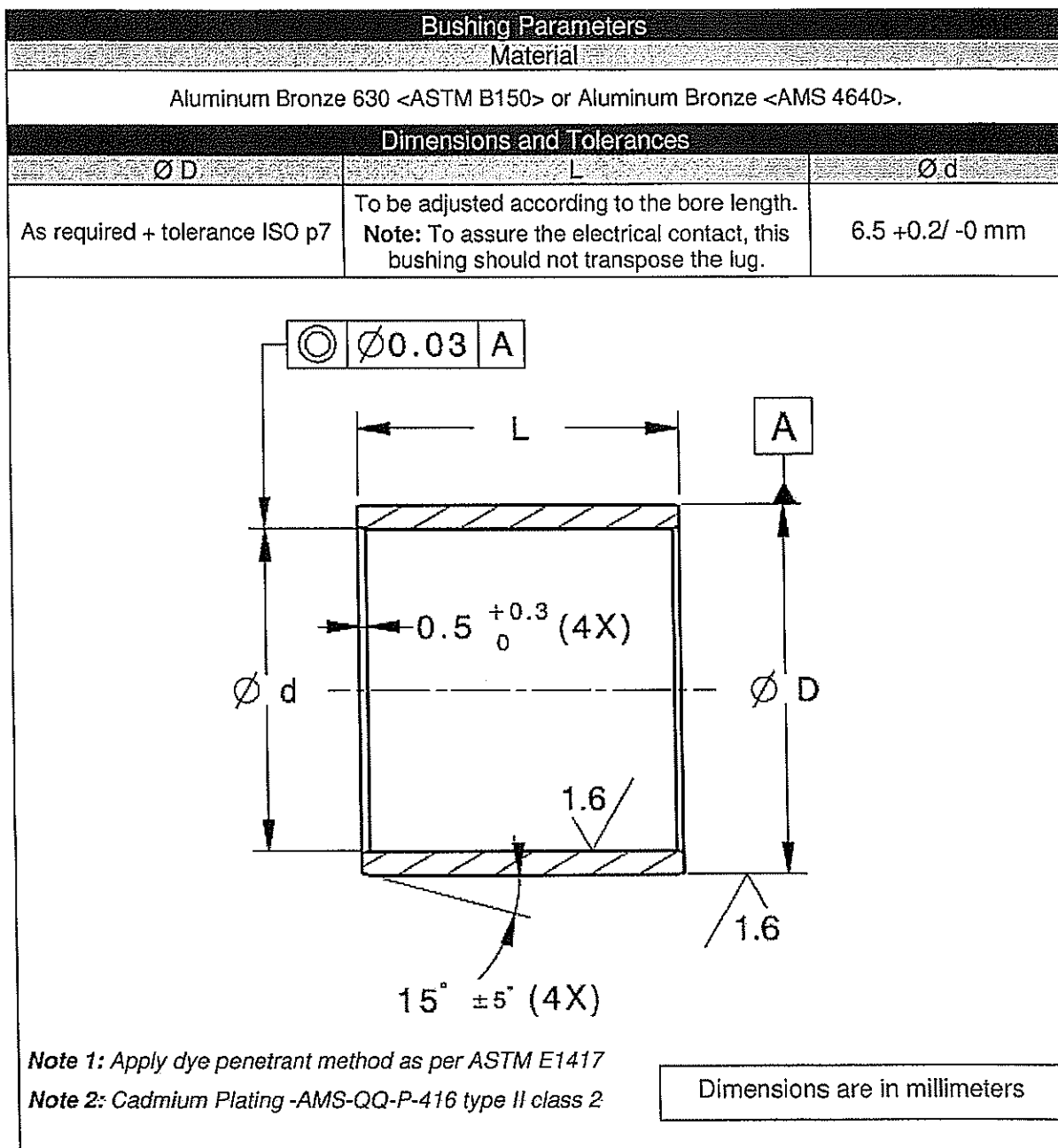
Rua Itabaiana, 40 – 12237-540 - São José dos Campos - SP – Brazil

Technical Disposition

ELEB-TD 2022-027254

REV.: /

APPENDIX II – SPECIAL REPAIR SLEEVE SCHEME (VALID TO ØA – Area 2)





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Technical Disposition

ELEB-TD 2022-027254

REV.: /

APPENDIX III – SPECIAL REPAIR SLEEVE SCHEME (VALID TO ØB – Area 3)

Bushings Parameters		
Material		
Aluminum Bronze 630 <ASTM B150> or Aluminum Bronze <AMS 4640>.		
Dimensions and Tolerances		
Ø D	L	Ø d
As required + tolerance ISO p7	As required (to be adjusted according to the bore length)	Ø 8.4 +0.3/ -0 mm

Note 1: Apply dye penetrant method as per ASTM E1417

Note 2: Cadmium Plating -AMS-QQ-P-416 type II class 2

Dimensions are in millimeters



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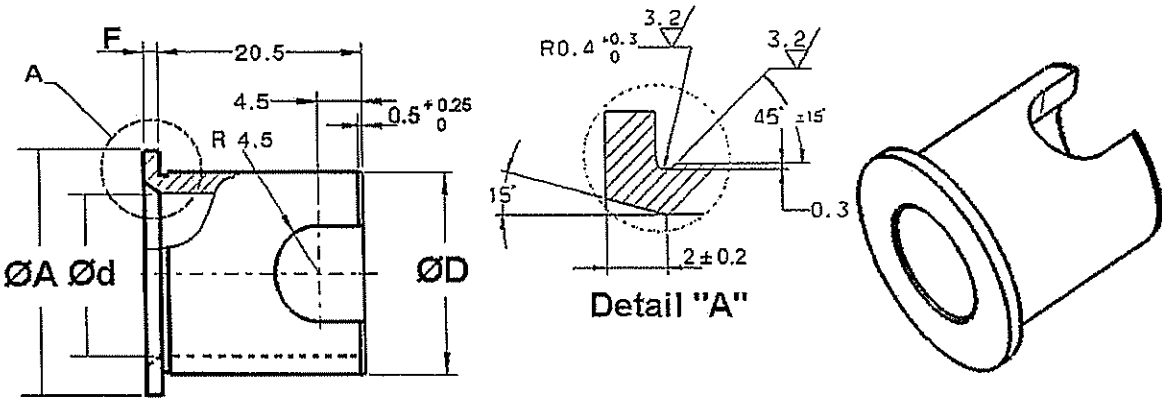
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Technical Disposition

ELEB-TD 2022-027254

REV.: /

APPENDIX IV – SPECIAL REPAIR BUSHING SCHEME (VALID TO Ø6B – Area 5)

Bushing Parameters – (Reference: Special Oversize Bushing to Ø6B)			
Material			
Aluminum Bronze 630 <ASTM B150>, or Aluminum Bronze <AMS 4640>.			
Dimensions and Tolerances			
F (Flange Thickness)	Ø A	ØD	Ød
1.5 mm ± 0.5 mm (Note: The flange thickness must be necessary to assure the face to face distance of 25.9 mm to 26.1 mm, as per CMM 32-10-01_Table 618 - Refer to figure 601 item 6 and 6A)	24 +0/-0.25 mm	As required (Dimension found after + tolerances as per table 618 of the CMM 32-10-01 - Refer to figure 601 item 6 and 6A)	12 H7 mm (+0,018/+0)
 The drawing shows a cross-section of a bushing with a flange of thickness F. The inner diameter is ØA and the outer diameter is ØD. The flange has a fillet with radius R 4.5. A detail view 'A' shows a 45° chamfer with a width of 2 ± 0.2 mm. Surface roughness values are indicated: 3.2 for the chamfer and 0.4 for the inner bore. A 15° angle is also shown on the detail view.			
Note 1: Roughness Ra = 1.6 except were indicated Note 2: Apply dye penetrant method as per ASTM E1417 Note 3: Cadmium Plating -AMS-QQ-P-416 type II class 2 Dimensions are in millimeters			

IDR 37113**HAWKER PACIFIC**
AEROSPACE**FAA Repair Station RJ3R817L**
EASA: DE.145.0001

Part Data		Event Data	
Part Description	AXLE, TRUNNION	Repair Order	51681862
P/N	2309-3025-001:005TK	Event	L-00528-RMG
S/N	OF.5218987-12	Sales Order	660041924
Customer S/N		Product (A/C Type)	ERJ-145
Detail P/N		Tail Sign	N48901
Detail S/N		Customer/Operator	101896 JSX
		Customer PO	RO-3180-145501
IDR Details		Additional Data	
IDR Status	CL - Closed	TSN	43533.75 FH
IDR Issue Date	15.Aug.2022	CSN	33497.00 CYC
IDR Close Date	20.Oct.2022	OEM Ref.	32-10-01
		OEM	ELEB
Discrepancy			
CROSS BORES RECIEVED O/S			
OEM/DER Response			
ELEB-TD 2022-027472		Response date	01.Sep.2022
Customer Response			
CUSTOMER RESPONSE NOT REQUIRED FOR JSX		Response date	20.Oct.2022
Engineer / Signature	Date	Inspector / Signature	Date
	OCT 21 2022		10/21/22
	Stamp		Stamp
			

IDR 37113

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Inspection Discrepancy Report (IDR)

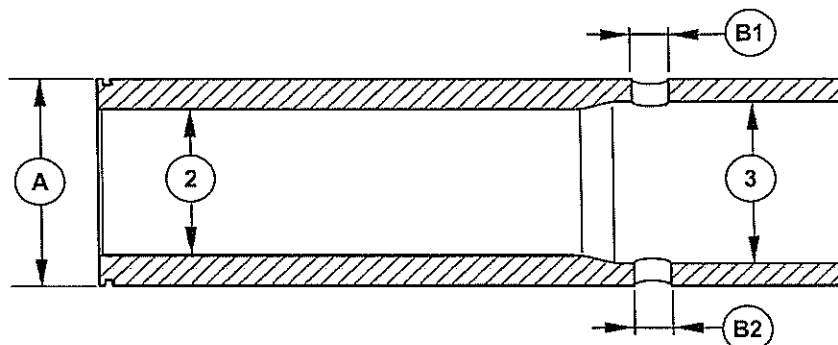
IDR Document No. 37113	Rev. No. 0	Date 8/30/2022	Sales Order No. 660041924	Work Order No. 51681862	
Part Description AXLE, TRUNNION	Part Number 2309-3025-001		Serial Number OF.5218987-12	A/C Type EMB-145	CMM 32-10-01
Detail Part Description AXLE, TRUNNION	Detail Part Number 2309-3025-001		Detail Serial Number OF.5218987-12	A/C Tail No. (MSN) N48901 (501)	
Description Cross bore B received oversized. All other dimensions within CMM Limits					
Proposed Resolution If structurally acceptable, HPA proposes: - Perform a non destructive inspection as per CMM. - Restore the original surface treatment and apply primer for the affected bores per CMM. - Fabricate and install a repair sleeve. - Finish rest of repair per CMM.					

REFERENCE #	A	B1	B2	2*	3*
Design Dim.	2.2480 2.2488	0.3764 0.3740	0.3764 0.3740	1.6024 1.5945	1.7717 1.7638
Repair Limit	2.2423 min.	IDR repair steps below.*	IDR repair steps below.*	N/A	N/A
As Received/ Post Rework	2.2485	0.4925	0.4925	1.6000	1.7690

Both bores machined equally:	
B, step 2	0.4928 0.4921
B, step 1	0.4771 0.4764

*Per ELEB-TD 2020-009828 (IDR 31784)

**Dia. A: Scrap below min repair limit 2.2423, ref. IDR 15177. No blendouts allowed.



ALL DIMENSIONS ARE IN INCHES

TODAY'S DATE:	8/30/2022	REPAIR CLASSIFICATION:	Minor
NEED BY/DUE DATE:	9/6/2022	SUBMITTED BY:	HPA Engineering
PART CSN:	33497.00	EMAIL:	eng_configuration@hawker.com
PART TSN:	43533:45	PHONE NUMBER:	+1 (818) 765-6201



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Rua Itabaiana, 40 – 12237-540 - São José dos Campos - SP – Brazil

Technical Disposition

ELEB-TD 2022-027472

REV.: /

SUBJECT

EMB-145 - MLG Trunnion Axle Repair Procedure

CONTACT

To: Hawker Pacific Aerospace (HPA)
Phone: +1-818- 765-6201
may-maryzana.maginde@hawker.com

From: ELEB Customer Support Engineering
Phone: + 55 12 3935-5313/5456/5216
technicalsupport.eleb@embraer.com.br

IDENTIFICATION

Operator / Customer:	A/C:	A/C S/N / REG:	FH:	FC:
Delux Public Charter - JETSUITEX	EMB-145	145501 (N48901)	N/I	N/I

Part Number:	Part Number S/N:	FH:	FC:	Assembly (NHA) P/N / S/N
2309-3025-001	OF.5218987-12	43533:45	33497.00	N/I

REPAIR DATA

Repair Classification: <i>(made by requester)</i>	Minor	Reference:	# B
Permanente Repair?	Yes	Limitation for temporary repair:	Not applicable

RULES

- The technical disposition contained in this document is based solely on the data explicitly reported by the Customer. As no other information was provided by the Customer, ELEB assumes that the area/structural component(s) related to this technical disposition did not have any other previous damage and/or repair incurred to it. Therefore, ELEB disclaims any and all responsibility for incorrect, inaccurate or incomplete information provided by the Customer related to this matter.
- In case of any conflict between this document and any mandatory requirements issued by the Local Regulatory Authority, including but not limited to Airworthiness Directives, the Local Regulatory Authority document/orientation shall prevail.
- The contents herein are intended for information only and do not constitute airworthiness release approval. Any such approval must be given by the owner or operator of the aircraft according to the local regulatory authority procedures.

REFERENCES

- # A: E-mail received from Mrs. May Maryzana Maginde on August 30, 2022;
- # B: Inspection Discrepancy Report # IDR 37113;
- # C: CMM TP 145/1170_32-10-01 - Section 801 - Figure 801 - item 15.

Rev. /: First issue.



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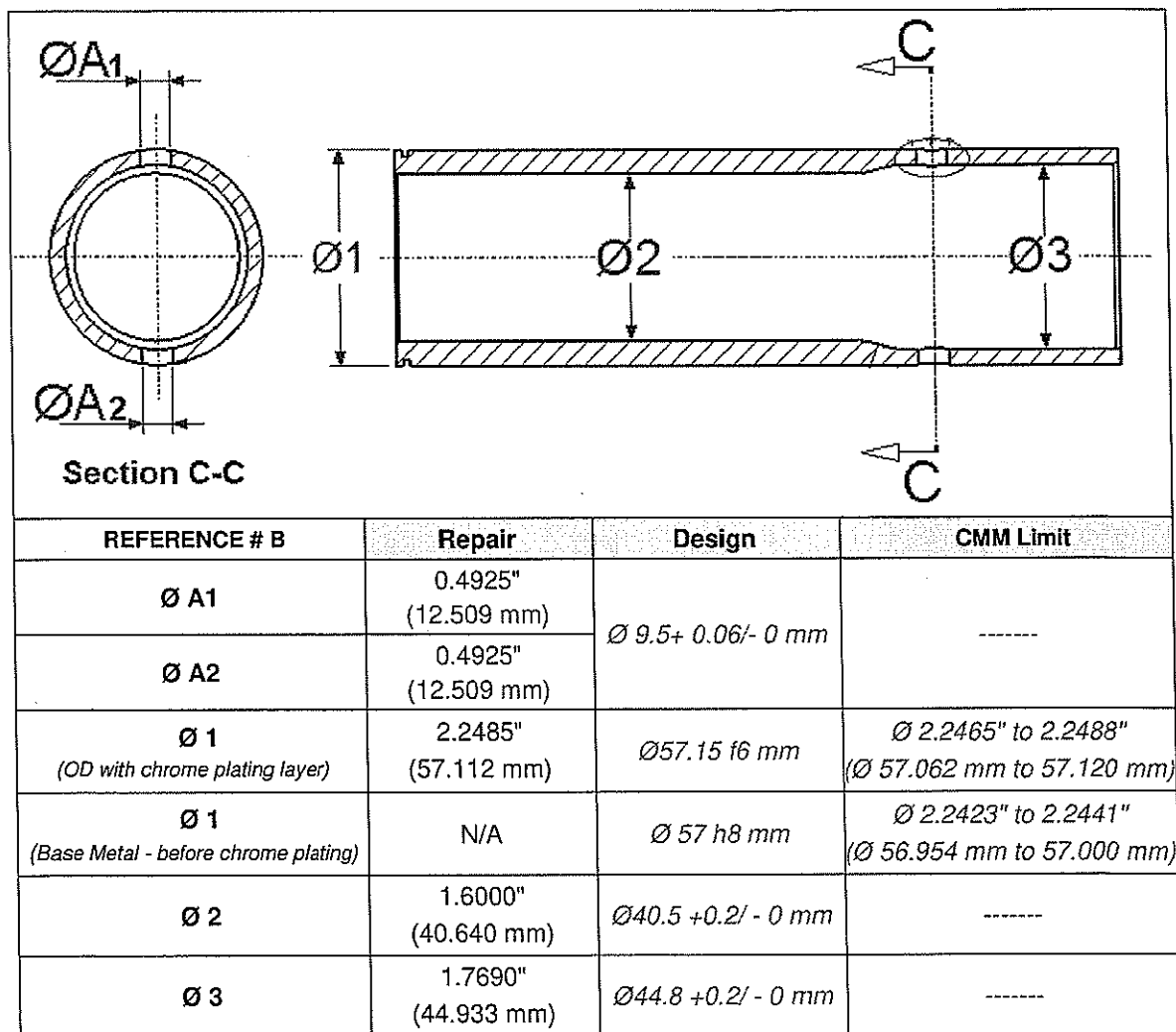
Technical Disposition

ELEB-TD 2022-027472

REV.: /

DESCRIPTION / REPORT / REQUEST

According to report from Hawker Pacific Aerospace through reference "B", the MLG Trunnion Axle P/N 2309-3025-001 was found corroded at cross bolt bores. In order to remove the corrosion the affected areas were machined according to dimensions shown in the sketch and table below:



HPA proposes to restore the missing material by installing a single 15-5 stainless steel repair sleeve on cross bores.

If structurally acceptable, refinish will be completed per the CMM. All other dimensions are within CMM limits.

TECHNICAL DISPOSITION

Provided that the following instructions are accomplished, ELEB's Engineering states that the MLG Trunnion Axle reported on this document can be structurally and functionality acceptable to return to service:

1. Refer to CMM TP 145/1170_32-10-01;
2. Do the stress relief of the part at a temperature of $190^{\circ}\text{C} \pm 5^{\circ}\text{C}$ ($374^{\circ}\text{F} \pm 9^{\circ}\text{F}$) for 4 hours minimum, within 8 hours after the machining process is completed;
3. Perform NDT inspection as per CMM instructions and make sure the part is free from crack and corrosion;
4. Restore the surface protection per CMM instructions as required;

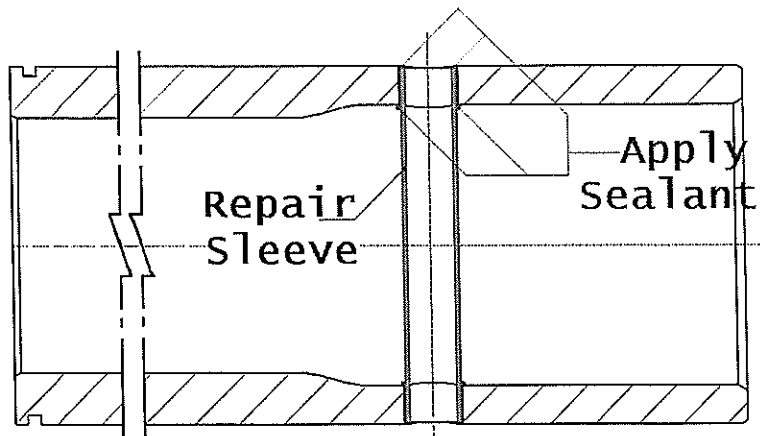
Note: In case of Chrome Plating Layer is below the allowed "In Service Wear Limits" (Reference # C) do the plating restoration as per CMM TP 145/1170_32-10-01.

5. Using an airbrush, apply a coat of green epoxy primer to the repaired housing bores with a thickness of 0.007 to 0.015 mm (0.0003 to 0.0006 in) when dry as per CMM instructions;
6. In order to restore the proper fitting between cross bolt and trunnion axle bore an installation of a repair sleeve is necessary. The parameters for repair sleeve manufacturing are attached on the end of this document - Refer to Appendix A;
7. Apply a continuous coat of corrosion inhibitive compound Mastinox 6856K in the housing bores;

Note: The Corrosion Inhibitive Compound CA-1000 or COR-BAN 27L can be used as alternative.

8. Install the repair sleeve by thermal fit insertion method (ISO Tolerance p7, H7);

Note: In order to prevent damages in the Leg Strut trunnion inner bores the repair sleeve cannot transposes the axle. Adjust the length if necessary. See sketch below for reference:



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Technical Disposition**ELEB-TD 2022-027472**

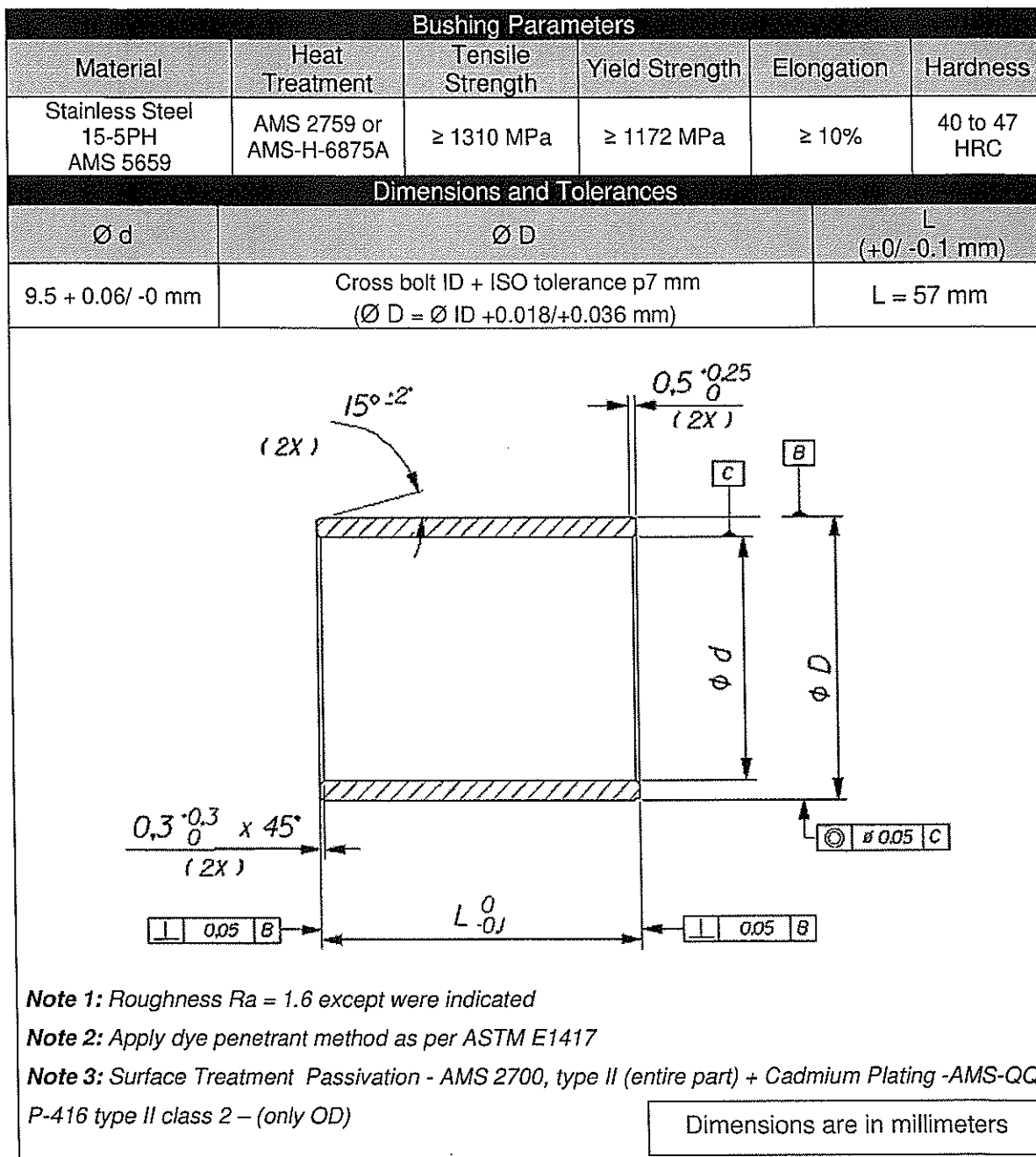
REV.: /

9. Apply a continuous string of sealant PR 1826 B2 A LO (AMS 3277) or P/S870B-2 (MILPRF-81733) along the joint of the sleeve and trunnion axle.

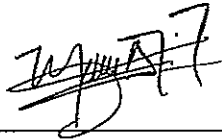
Note: Apply varnish P/N 683-3-2/2X 310A on the surface of the sealant P/S870B-2, after its curing time;

10. Remaining activities must be performed as per CMM instructions as required.
-

APPENDIX A - REPAIR SLEEVE SKETCH



IDR 37114**HAWKER PACIFIC
AEROSPACE****FAA Repair Station RJ3R817L
EASA: DE.145.0001**

Part Data		Event Data	
Part Description	AXLE, TRUNNION	Repair Order	51681859
P/N	2309-3025-001:005TK	Event	L-00528-RMG
S/N	OF:3288625-05	Sales Order	660041924
Customer S/N		Product (A/C Type)	ERJ-145
Detail P/N		Tail Sign	N48901
Detail S/N		Customer/Operator	101896 JSX
		Customer PO	RO-3180-145501
IDR Details		Additional Data	
IDR Status	CL - Closed	TSN	43014.20 FH
IDR Issue Date	16.Aug.2022	CSN	33573.00 CYC
IDR Close Date	20.Oct.2022	OEM Ref.	32-10-01
		OEM	ELEB
Discrepancy			
CROSS BORES RECIEVED O/S			
OEM/DER Response			
ELEB-TD 2022-028197		Response date	08.Sep.2022
Customer Response			
No customer response required for JSX		Response date	08.Sep.2022
Engineer / Signature	Date	Inspector / Signature	Date
	OCT 20 2022		OCT 21 2022
	Stamp		Stamp
			

IDR 37114

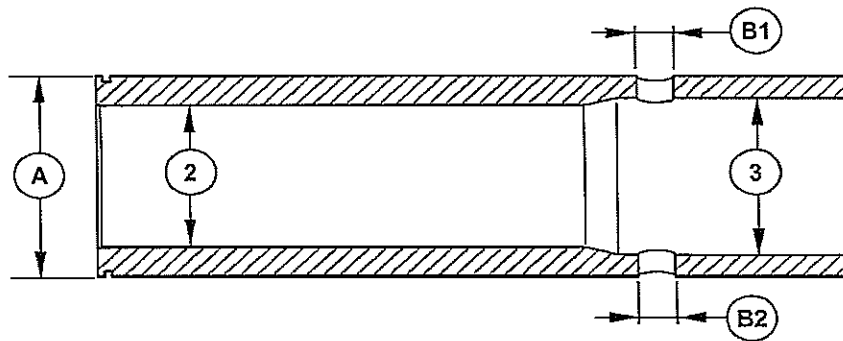
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Inspection Discrepancy Report (IDR)

IDR Document No. 37114	Rev. No. 0	Date 9/6/2022	Sales Order No. 660041942	Work Order No. 51681859	
Part Description AXLE, TRUNNION	Part Number 2309-3025-001		Serial Number OF.3288625.05	A/C Type EMB-145	CMM 32-10-01
Detail Part Description N/A	Detail Part Number N/A		Detail Serial Number N/A	A/C Tail No. (MSN) N48901	
Description Cross holes received oversized from the design dimension at step 1, with dimensions tabulated below, all other dimensions are within C.M.M. limits, if still structurally acceptable, H.P.A. proposes to:					
Proposed Resolution Machine cross holes to appropriate repair step. Perform a non destructive inspection as per CMM. Restore the original surface treatment and apply primer for the affected bores per CMM. Fabricate and install a repair sleeve.					

REFERENCE #	A	B1	B2	2*	3*
Design Dim.	2.2480 2.2488	0.3764 0.3740	0.3764 0.3740	1.6024 1.5945	1.7717 1.7638
Repair Limit	2.2423 min.	IDR repair steps below.*	IDR repair steps below.*	N/A	N/A
As Received/ Post Rework	2.2486	0.4770	0.4770	1.5990	1.7691

Both bores machined equally:	
B, step 2	0.4928 0.4921
B, step 1	0.4771 0.4764



ALL DIMENSIONS ARE IN INCHES

TODAY'S DATE: 9/6/2022	REPAIR CLASSIFICATION: Minor
NEED BY/DUE DATE: 9/13/2022	SUBMITTED BY: HPA Engineering
PART CSN: 33573.00	EMAIL: eng_configuration@hawker.com
PART TSN: 43014:12	PHONE NUMBER: +1 (818) 765-6201

**ELEB****CUSTOMER
SUPPORT****ELEB Equipamentos Ltda.**

Rua Itabaiana, 40 – 12237-540 - São José dos Campos - SP – Brazil

Technical Disposition**ELEB-TD 2022-028197**

REV.: /

SUBJECT**EMB-145 - MLG Trunnion Axle Repair Procedure****CONTACT**

To: Hawker Pacific Aerospace (HPA)
Phone: +1-818- 765-6201
jesus.meza@hawker.com

From: ELEB Customer Support Engineering
Phone: + 55 12 3935-5313/5456/5216
technicalsupport.eleb@embraer.com.br

IDENTIFICATION

Operator / Customer:	A/C:	A/C S/N / REG:	FH:	FC:
Delux Public Charter - JETSUITEX	EMB-145	145501 (N48901)	N/I	N/I

Part Number:	Part Number S/N:	FH:	FC:	Assembly (NHA) P/N / S/N
2309-3025-001	OF.3288625.05	43014:12	33573.00	N/I

REPAIR DATA

Repair Classification: <i>(made by requester)</i>	Minor	Reference:	# B
Permanente Repair?	Yes	Limitation for temporary repair:	Not applicable

RULES

- The technical disposition contained in this document is based solely on the data explicitly reported by the Customer. As no other information was provided by the Customer, ELEB assumes that the area/structural component(s) related to this technical disposition did not have any other previous damage and/or repair incurred to it. Therefore, ELEB disclaims any and all responsibility for incorrect, inaccurate or incomplete information provided by the Customer related to this matter.
- In case of any conflict between this document and any mandatory requirements issued by the Local Regulatory Authority, including but not limited to Airworthiness Directives, the Local Regulatory Authority document/orientation shall prevail.
- The contents herein are intended for information only and do not constitute airworthiness release approval. Any such approval must be given by the owner or operator of the aircraft according to the local regulatory authority procedures.

REFERENCES

- # A: E-mail received from Mr. Jesus A. Meza on September 6, 2022;
- # B: Inspection Discrepancy Report # IDR 37114;
- # C: CMM TP 145/1170_32-10-01 - Section 801 - Figure 801 - item 15.

Rev. /: *First issue.*

**ELEB****CUSTOMER
SUPPORT****ELEB Equipamentos Ltda.**

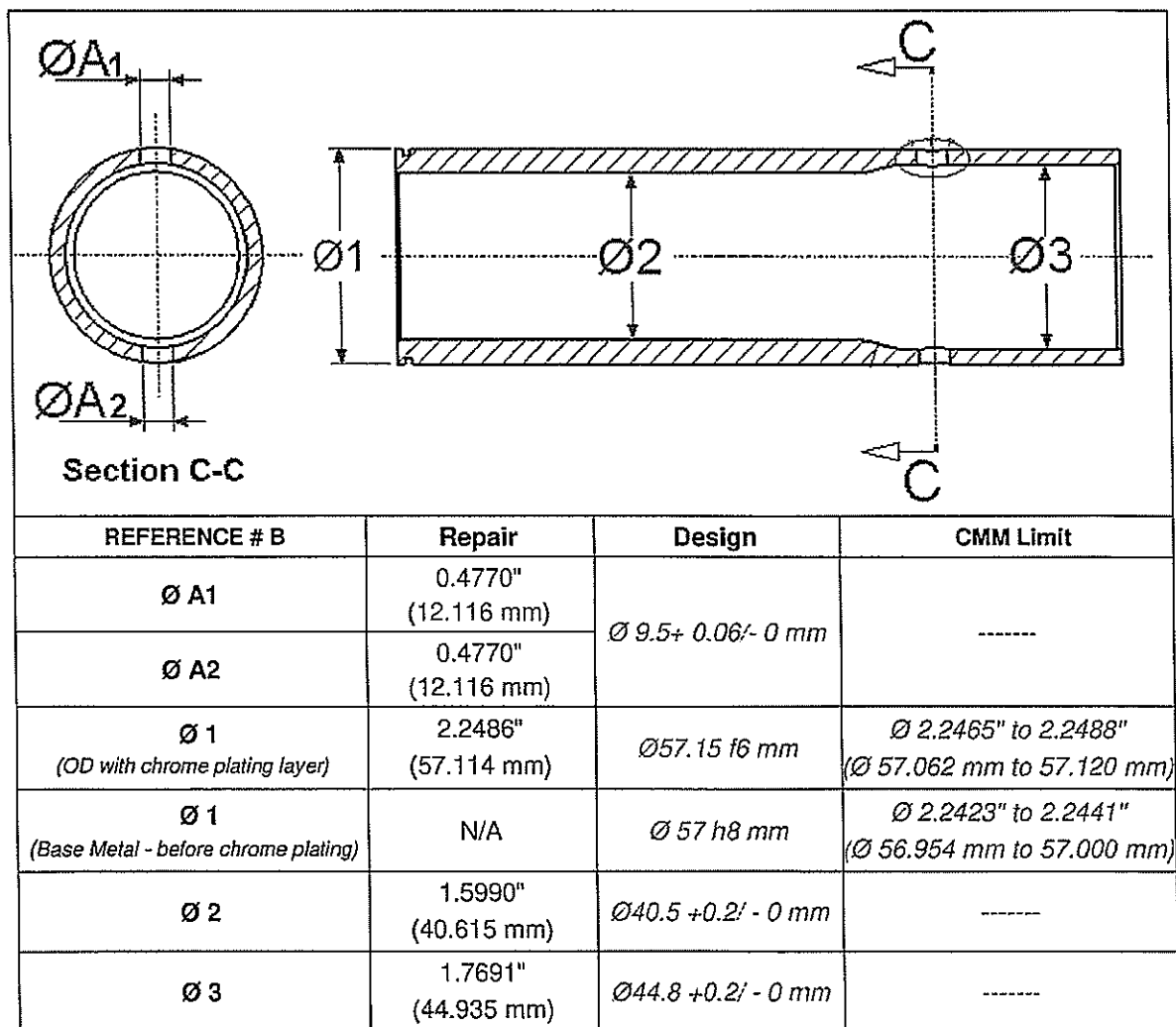
Rua Itabaiana, 40 – 12237-540 - São José dos Campos - SP – Brazil

Technical Disposition**ELEB-TD 2022-028197**

REV.: /

DESCRIPTION / REPORT / REQUEST

According to report from Hawker Pacific Aerospace through reference "B", the MLG Trunnion Axle P/N 2309-3025-001 was found corroded at cross bolt bores. In order to remove the corrosion the affected areas were machined according to dimensions shown in the sketch and table below:



HPA proposes to restore the missing material by installing a single 15-5 stainless steel repair sleeve on cross bores.

If structurally acceptable, refinish will be completed per the CMM. All other dimensions are within CMM limits.

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Technical Disposition**ELEB-TD 2022-028197**

REV.: /

TECHNICAL DISPOSITION

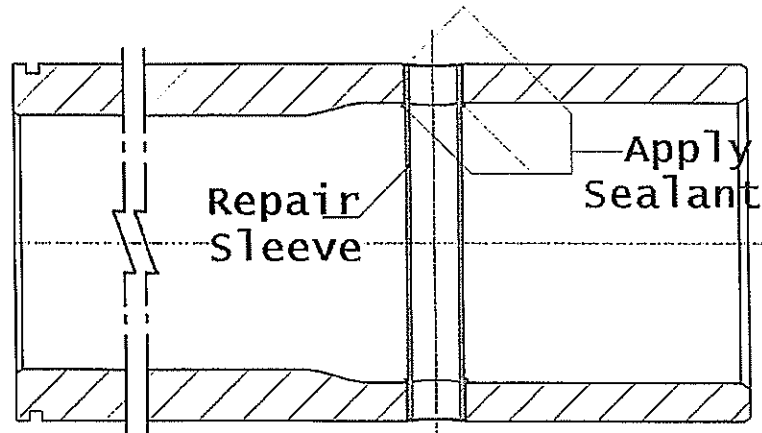
Provided that the following instructions are accomplished, ELEB's Engineering states that the MLG Trunnion Axle reported on this document can be structurally and functionality acceptable to return to service:

1. Refer to CMM TP 145/1170_32-10-01;
2. Do the stress relief of the part at a temperature of $190^{\circ}\text{C} \pm 5^{\circ}\text{C}$ ($374^{\circ}\text{F} \pm 9^{\circ}\text{F}$) for 4 hours minimum, within 8 hours after the machining process is completed;
3. Perform NDT inspection as per CMM instructions and make sure the part is free from crack and corrosion;
4. Restore the surface protection per CMM instructions as required;
5. Using an airbrush, apply a coat of green epoxy primer to the repaired housing bores with a thickness of 0.007 to 0.015 mm (0.0003 to 0.0006 in) when dry as per CMM instructions;
6. In order to restore the proper fitting between cross bolt and trunnion axle bore an installation of a repair sleeve is necessary. The parameters for repair sleeve manufacturing are attached on the end of this document - Refer to Appendix A;
7. Apply a continuous coat of corrosion inhibitive compound Mastinox 6856K in the housing bores;

Note: The Corrosion Inhibitive Compound CA-1000 or COR-BAN 27L can be used as alternative.

8. Install the repair sleeve by thermal fit insertion method (ISO Tolerance p7, H7);

Note: In order to prevent damages in the Leg Strut trunnion inner bores the repair sleeve cannot transposes the axle. Adjust the length if necessary. See sketch below for reference:



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Technical Disposition**ELEB-TD 2022-028197**

REV.: /

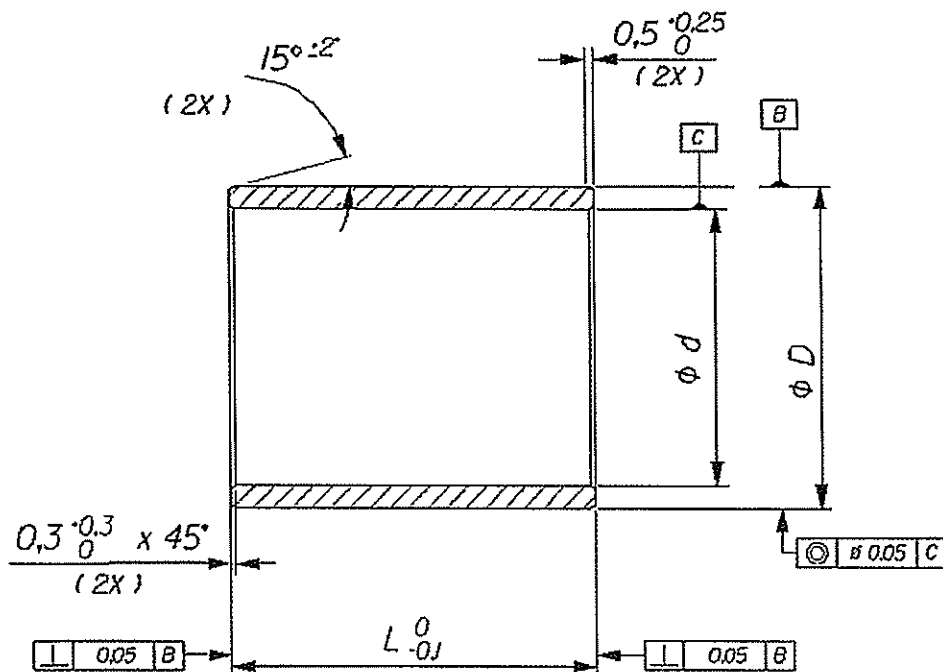
9. Apply a continuous string of sealant PR 1826 B2 A LO (AMS 3277) or P/S870B-2 (MILPRF-81733) along the joint of the sleeve and trunnion axle.

Note: Apply varnish P/N 683-3-2/2X 310A on the surface of the sealant P/S870B-2, after its curing time;

10. Remaining activities must be performed as per CMM instructions as required.
-

APPENDIX A - REPAIR SLEEVE SKETCH

Bushing Parameters					
Material	Heat Treatment	Tensile Strength	Yield Strength	Elongation	Hardness
Stainless Steel 15-5PH AMS 5659	AMS 2759 or AMS-H-6875A	≥ 1310 MPa	≥ 1172 MPa	≥ 10%	40 to 47 HRC
Dimensions and Tolerances					
Ø d	Ø D			L (+0/-0.1 mm)	
9.5 + 0.06/- 0 mm	Cross bolt ID + ISO tolerance p7 mm (Ø D = Ø ID +0.018/+0.036 mm)			L = 57 mm	



Note 1: Roughness $R_a = 1.6$ except were indicated

Note 2: Apply dye penetrant method as per ASTM E1417

Note 3: Surface Treatment Passivation - AMS 2700, type II (entire part) + Cadmium Plating -AMS-QQ-P-416 type II class 2 – (only OD)

Dimensions are in millimeters

IDR 36999

HAWKER PACIFIC
AEROSPACE

FAA Repair Station RJ3R817L
EASA: DE.145.0001

Part Data		Event Data	
Part Description	PISTON TUBE - ASSEMBLY	Repair Order	51670037
P/N	2309-2057-003:005TK	Event	L-00516-RMG
S/N	1171500/001	Sales Order	660041606
Customer S/N		Product (A/C Type)	ERJ-145
Detail P/N	2309-2058-001:005TK	Tail Sign	N243JX
Detail S/N	1141619/001	Customer/Operator	101896 JSX
		Customer PO	RO-2844
IDR Details		Additional Data	
IDR Status	W7 - Released	TSN	
IDR Issue Date	26.Jul.2022	CSN	
IDR Close Date		OEM Ref.	32-10-02
		OEM	ELEB
Discrepancy			
LEVEL TUBE BORE AND VALVE PORT THREADS R			
OEM/DER Response			
ELEB-TD 2022-026276		Response date	29.Aug.2022
Customer Response			
customer response not required F.L. 2247 OCT 20 2022			
Engineer / Signature	Date	Inspector / Signature	Date
	OCT 20 2022		10/20/22
	Stamp F.L. 2247		Stamp 

IDR 36999

This Document holds no airworthiness approval and reference to OEM approval is required. The purpose of this document is for transmittal of engineering information within the Part 145 production facility only.

IDR 36999

HAWKER PACIFIC
AEROSPACE 

FAA Repair Station RJ3R817L
EASA: DE.145.0001

LEVEL TUBE BORE AND VALVE PORT THREADS RECEIVED CORRODED

This Document holds no airworthiness approval and reference to OEM approval is required. The purpose of this document is for transmittal of engineering information within the Part 145 production facility only.

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Rua Itabaiana, 40 – 12237-540 - São José dos Campos - SP – Brazil

Technical Disposition**ELEB-TD 2022-026276**

REV.: /

SUBJECT**EMB-145 MLG S. Abs. Piston Tube Repair****CONTACT****To:** Hawker Pacific Aerospace (HPA)

Phone: +1 818-765-6201 X449

fernando.loza@hawker.com

From: ELEB Customer Support Engineering

Phone: + 55 12 3935-5313/5456/5216

technicalsupport.eleb@embraer.com.br

IDENTIFICATION

Operator / Customer:	A/C:	A/C S/N / REG:	FH:	FC:
Delux Public Charter - JETSUITEX	EMB-145	145345 (N243JX)	N/I	N/I

Part Number:	Part Number S/N:	FH:	FC:	Assembly (NHA) P/N / S/N
2309-2058-001	1141619/001	N/A	11439.00	2309-2057-003 / 1171500/001

REPAIR DATA

Repair Classification: (made by requester)	Major	Reference:	# E
Permanente Repair?	Yes	Limitation for temporary repair:	Not applicable

RULES

- The technical disposition contained in this document is based solely on the data explicitly reported by the Customer. As no other information was provided by the Customer, ELEB assumes that the area/structural component(s) related to this technical disposition did not have any other previous damage and/or repair incurred to it. Therefore, ELEB disclaims any and all responsibility for incorrect, inaccurate or incomplete information provided by the Customer related to this matter.
- In case of any conflict between this document and any mandatory requirements issued by the Local Regulatory Authority, including but not limited to Airworthiness Directives, the Local Regulatory Authority document/orientation shall prevail.
- The contents herein are intended for information only and do not constitute airworthiness release approval. Any such approval must be given by the owner or operator of the aircraft according to the local regulatory authority procedures.

REFERENCES

- # A: E-mail received from Mr. Fernando Loza on August 16, 2022;
- # B: HPA Inspection Discrepancy Report IDR 36999;
- # C: Engineering Disposition QM # 200091420 (Level tube housing repair analysis – For internal reference only)
- # E: Engineering Disposition QM # 200124270 and SRFE 2309-2058-001 (Engineering repair analysis – For internal reference only)
- # F: AS 5202 (Port or Fitting End, Internal Straight Thread, Design Standard);
- # G: SAE AS 8879 (Screw Threads - UNJ Profile, Inch Controlled Radius Root with Increased Minor Diameter)
- # H: SAE AS 567 (Safety Cable, Safety Wire, Key Washers, and Cotter Pins for Propulsion Systems, General Practices for Use of);
- # I: E-mail received from Mr. Dario Contreras on August 23, 2022 (Insert Drawing updating proposal).

REVISION HISTORY

Rev. I: First issue;

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Technical Disposition**ELEB-TD 2022-026276**

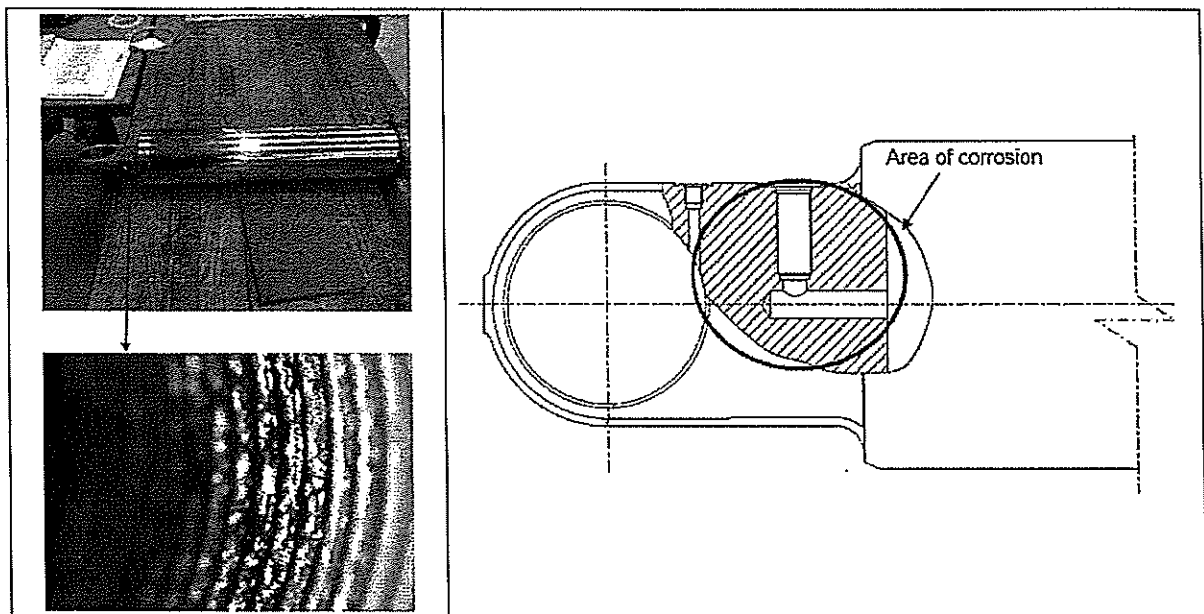
REV.: /

DESCRIPTION / REPORT / REQUEST

As per reported by Hawker Pacific Aerospace through reference # B:

"Unit received with corrosion in fill valve port and Level tube bore."

Similar to illustrated in the sketch below:

*Figure 01 – Piston Tube corroded areas*

HPA asks for a repair procedure (similar to ELEB-TD 2022-000441), to bring this part serviceable again.

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Rua Itabaiana, 40 – 12237-540 - São José dos Campos - SP – Brazil**Technical Disposition****ELEB-TD 2022-026276**

REV.: /

TECHNICAL DISPOSITION

Provided that procedure below is accomplished ELEB agrees that this component is structurally and functionally acceptable to return to service:

- 1) Machine the affected areas for corrosion removal as follows:
 - a. Level Tube Housing: Refer to APPENDIX I;
 - b. Charging Valve Housing: Refer to APPENDIX II and III;
- 2) Do the stress relief of the part at a temperature of $190^{\circ}\text{C} \pm 5^{\circ}\text{C}$ ($374^{\circ}\text{F} \pm 9^{\circ}\text{F}$) for 4 hours minimum, within 8 hours after the grinding/machining process is completed;
- 3) Perform NDT inspection as per instructions and make sure the part is free from cracks and corrosion;
- 4) Where applicable, shot peen with shot, cast steel, size S-230, type I, and intensity 0.006A/0.010 Almen A, the coverage 200 % minimum. Refer to AMS 2430 standard;
- 5) Level Tube Housing:
 - a. Manufacture a Repair Sleeve (for bore $\varnothing A$) according to APPENDIX IV;
 - b. Install Repair Sleeve in order to restore the original diameter $\varnothing 10.000 - 10.036$ mm according to APPENDIX V;
 - c. Apply corrosion inhibitive compound CA-1000 or COR-BAN 27L to the housing before Repair Sleeve installation;
 - d. Install the Level Tube (IPL/ITEM: 1000/310 or 310A) as per CMM instructions;
- 6) Charging Valve Housing Repair:
 - a. Manufacture a repair insert to the charging valve housing according to APPENDIX VI (REFERENCE # I);
 - b. Apply corrosion inhibitive compound CA-1000 or COR-BAN 27L to the threads before Repair Insert installation;
 - c. Install Repair insert and static seal P/N MS 28778-8 (Commercially available) according to APPENDIX VII;
 - d. Lock wire the insert to the new reamed lock wire bore (Refer to SAE AS 567 for Safety wire locking instructions);
 - e. Install the Feeding Tube (IPL/ITEM: 1001/300) and Charging Valve (IPL/ITEM: 1001/270) as per CMM instructions;
- 7) Remaining activities must be performed as per CMM 32-10-02 instructions as required;

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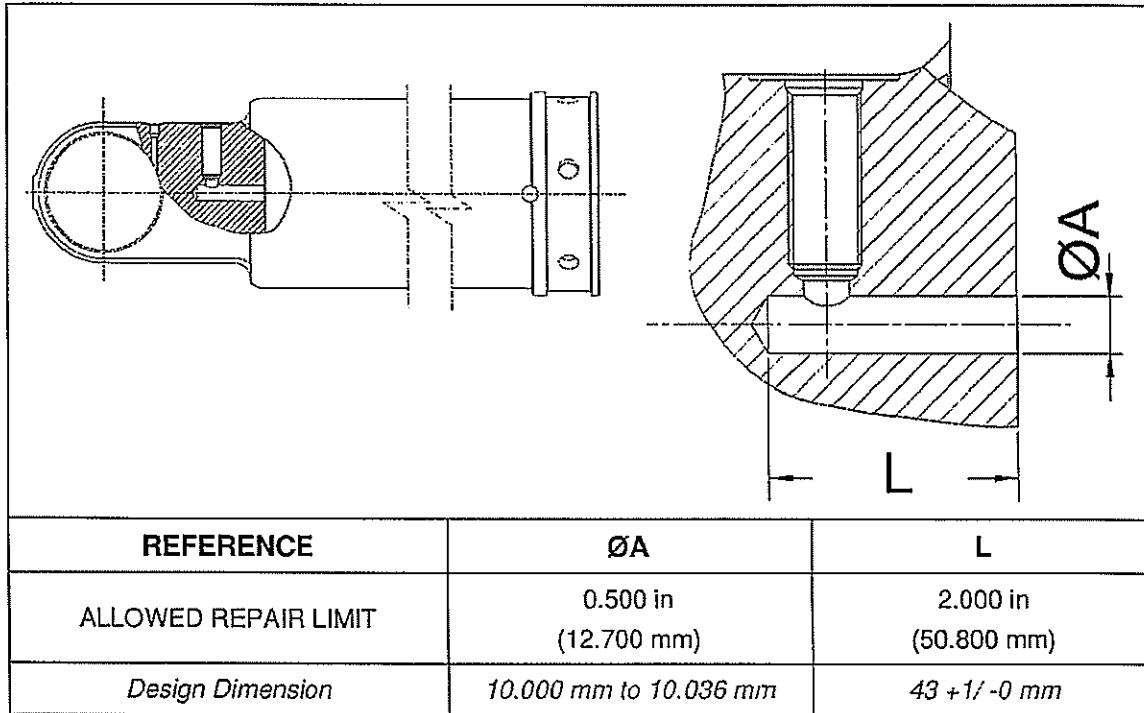
*Technical Disposition***ELEB-TD 2022-026276**

REV.: /

- 8) Do the Shock Absorber test as per CMM 32-10-02 instructions and make sure there is no leakage or pressure drop through the Charging Valve housing.
-



APPENDIX I – SPECIAL REPAIR FOR LEVEL TUBE HOUSING



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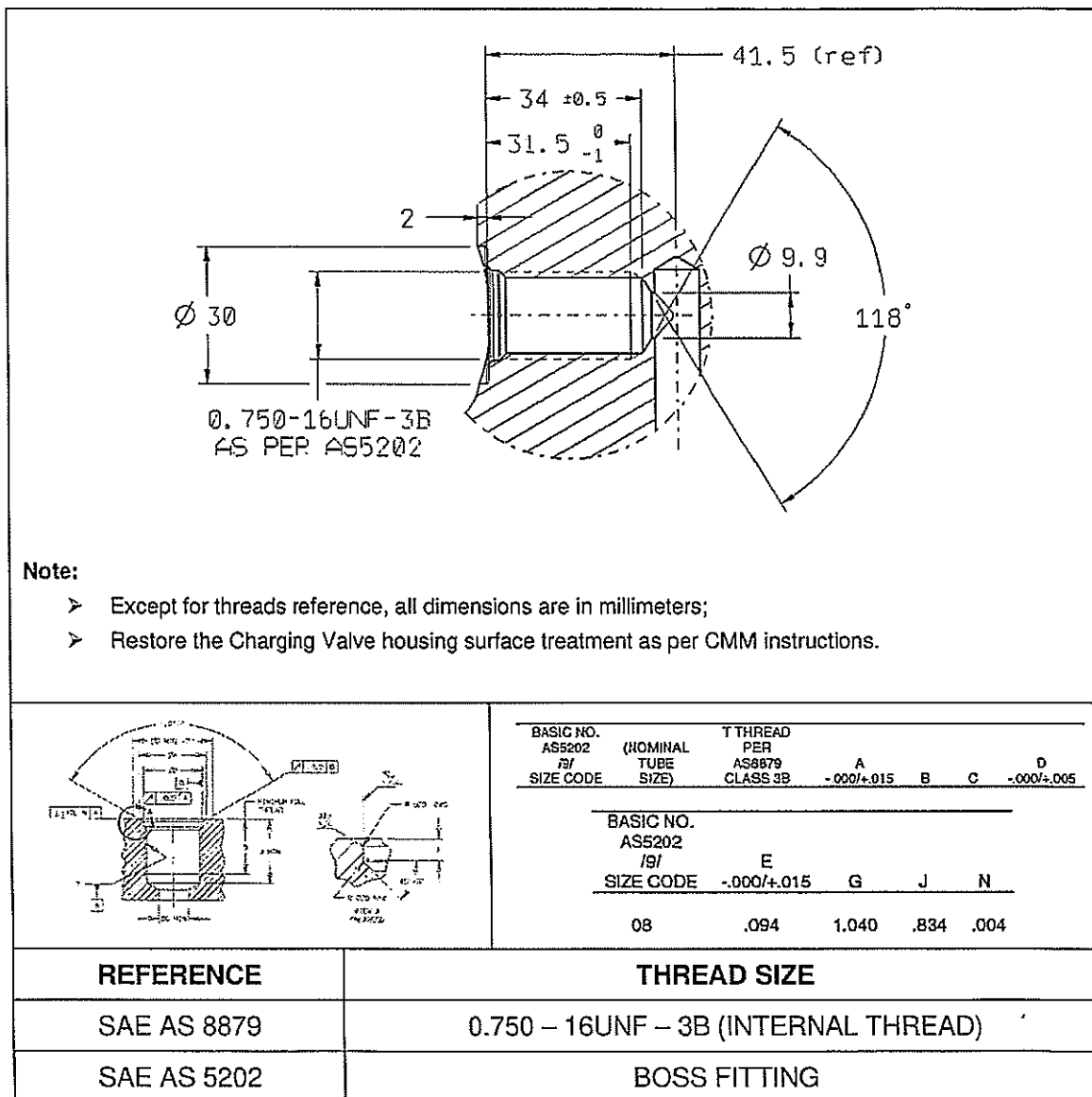
APPENDIX II – SPECIAL REPAIR FOR CHARGING VALVE HOUSING

Figure 01 - Repair data

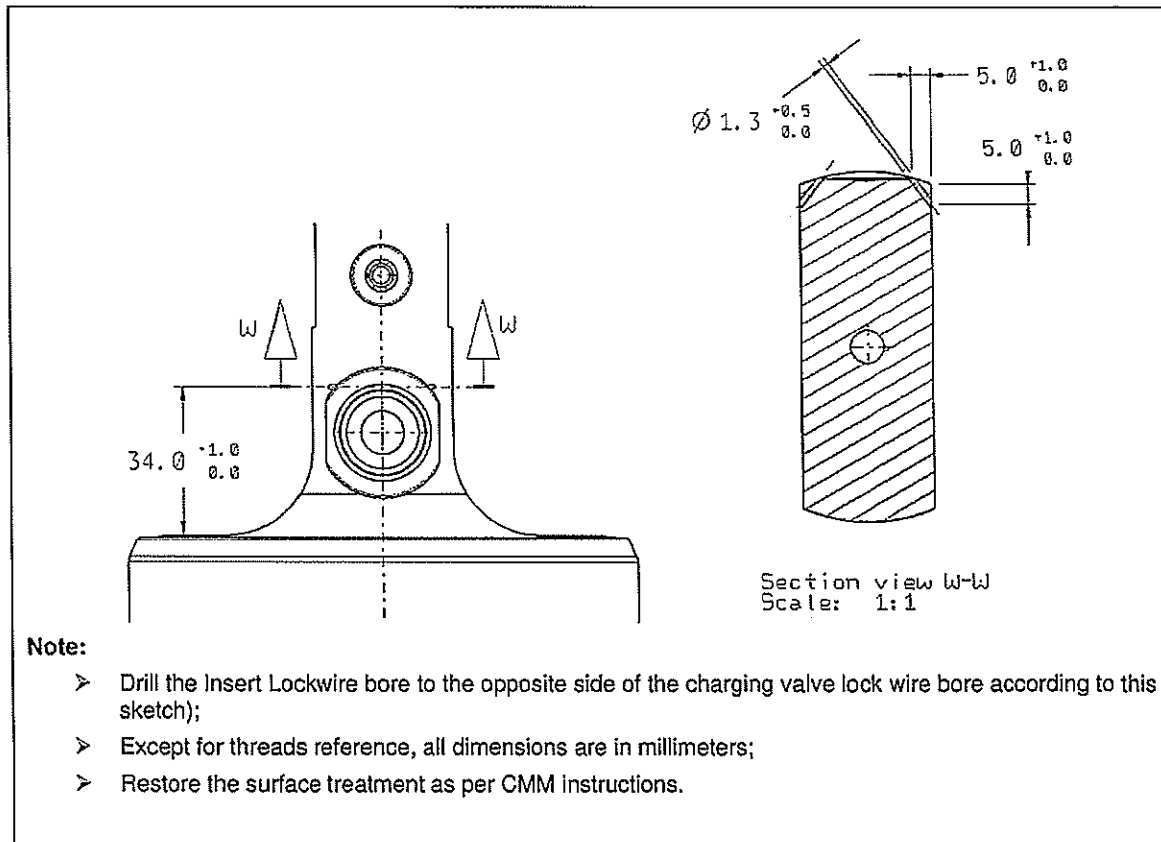
**ELEB****CUSTOMER
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Technical Disposition**ELEB-TD 2022-026276**

REV.: /

APPENDIX III – SPECIAL REPAIR FOR CHARGING VALVE HOUSING
(LOCK WIRE BORE – DRILLING INSTRUCTIONS)



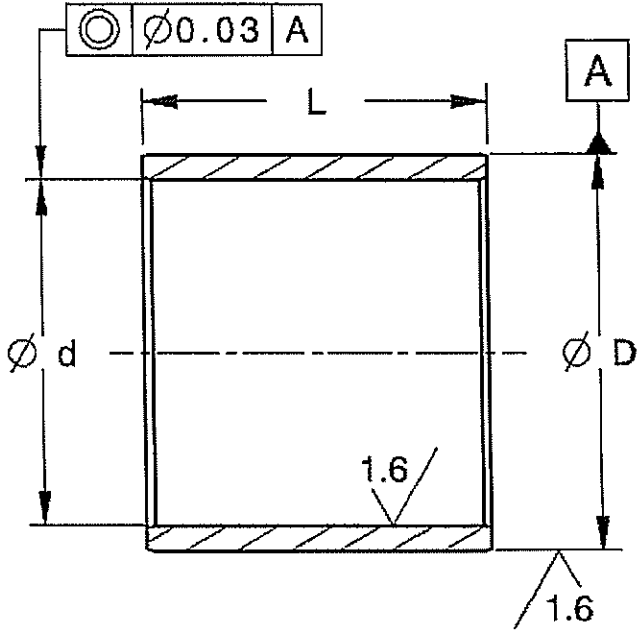
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Rua Itabaiana, 40 – 12237-540 - São José dos Campos - SP – Brazil

Technical Disposition**ELEB-TD 2022-026276**

REV.: /

APPENDIX IV – SPECIAL REPAIR SLEEVE FOR LEVEL TUBE HOUSING

Material		
Steel 4340 as per AMS6414 or AMS-S-5000 1380 - 1520 MPA (43-46 HRC) as per AMS-H-6875		
$\varnothing D$	L	$\varnothing d$
$\varnothing A$ (-0.010 / -0.025 mm) (Machined housing according to the limit as per Appendix I)	27.850 - 27.900 mm	10.000 mm 0 / + 0.036 mm
Deburr all edges with 0.2 to 0.4 mm		
 ➤ Stress relief according to AMS 2459/11 ➤ Magnetic particle inspection according to ASTM E1444		

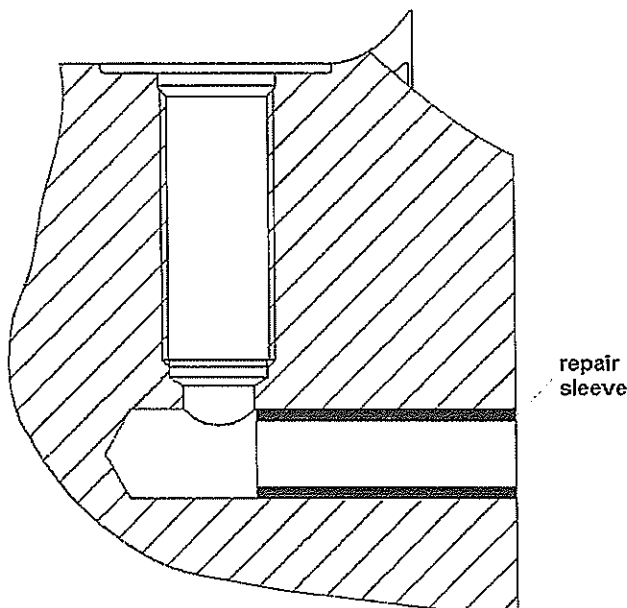
**ELEB****CUSTOMER
SUPPORT****ELEB Equipamentos Ltda.**

Rua Itabaiana, 40 – 12237-540 - São José dos Campos - SP – Brazil

*Technical Disposition***ELEB-TD 2022-026276**

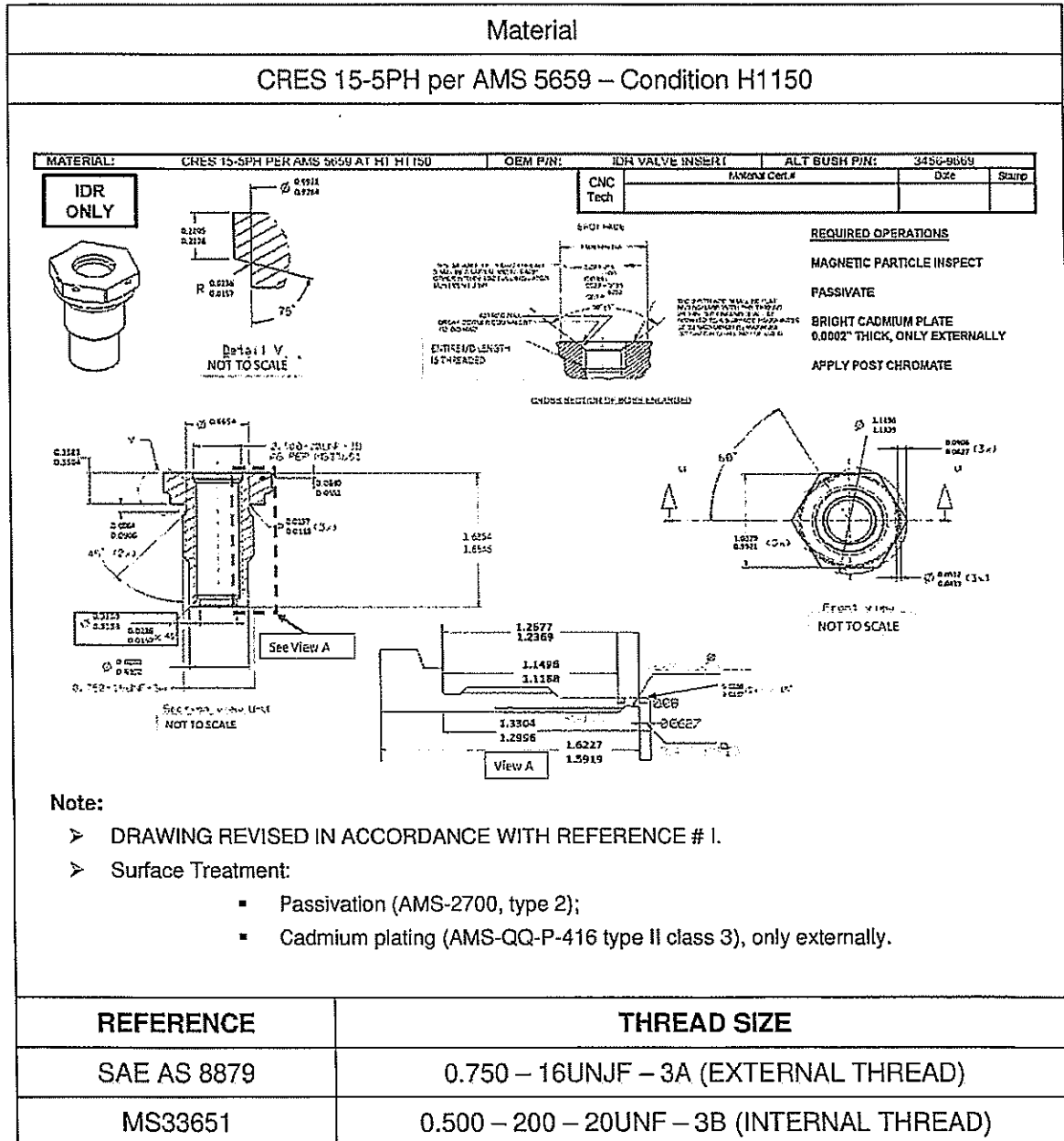
REV.: /

APPENDIX V – SPECIAL REPAIR SLEEVE FOR LEVEL TUBE HOUSING
(ASSEMBLING DETAIL)

**NOTE:**

- Apply corrosion inhibitive compound CA-1000 or COR-BAN 27L to the Housing before Repair Sleeve installation.

APPENDIX VI – CHARGING VALVE HOUSING INSERT – MANUFACTURING PARAMETERS

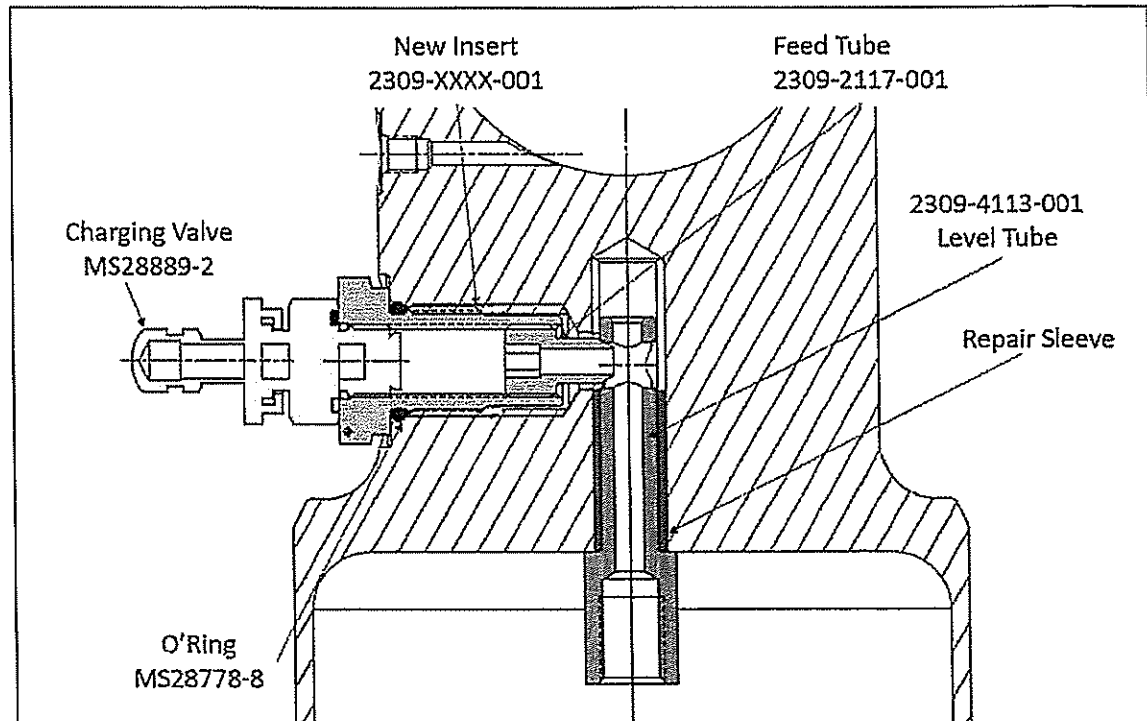


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Technical Disposition**ELEB-TD 2022-026276**

REV.: /

APPENDIX VII – CHARGING VALVE HOUSING INSERT – ASSEMBLING DETAILS**NOTE:**

- Apply corrosion inhibitive compound CA-1000 or COR-BAN 27L to the thread housing before the repair insert installation;
- Lubricate the O-ring with clean hydraulic fluid or grease DC 33 before installing it, and be sure O-ring is not twisted during installation;
- Install the O-ring MS28778-8;
- Install the Repair Insert
- Apply a tightening torque of 340 Lbf.in (38.4 N.m) to the Repair Insert;
- Lock Wire the insert in the new drilled housing (REFER TO SAE AS 567_ Safety Cable, Safety Wire, Key Washers, and Cotter Pins for Propulsion Systems, General Practices for Use of)

Subject**EMB-145 - P/N 2309-2058-001 S/N 1141619/001 - ATA 32-10 - MLG Piston Tube - Permanent Repair****Contact**

To: Dario Contreras
Supervisor, Repair / Development
Hawker Pacific Aerospace
Office: +1-818-765-6201 x 449
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dario.contreras@hawker.com

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Embraer Services & Support
P: +55 12 3313 5769
rts@embraer.com.br

Identification

Operator: Delux Public Charter - JETSUITEX	A/C: EMB-145	ATA: 32 - 10
P/N: 2309-2058-001	Part S/N: 1141619/001	FH: N/A
		FC: 11439.00

Type of Data (see rules below)**Repair**

(see rules below)

(✓) Approved Data

(✓) Major

Disclaimers

- The technical disposition contained in this document is based solely on the data explicitly reported by the Operator. As no other information was provided by the Operator, Embraer assumes that the area/structural component(s) related to this technical disposition did not have any other previous damage and/or repair incurred to it. Therefore, Embraer disclaims any and all responsibility for incorrect, inaccurate or incomplete information provided by the Operator related to this matter.
- If the technical disposition contained in this document requires approval from the Local Regulatory Authority, please take the appropriate measures to obtain such approval.
- In case of any conflict between this document and any mandatory requirements issued by the Local Regulatory Authority, including but not limited to Airworthiness Directives, the Local Regulatory Authority document/orientation shall prevail.
- In case a structural repair affects a structure subject to an Airworthiness Directive or any other mandatory requirement issued by Local Regulatory Authority, Embraer strongly recommends the operator to seek for an AMOC (Alternate Means of Compliance) within Local Regulatory Authority, even when the repair is followed by an ANAC form F200-06.
- This revision cancels and supersedes all the previous dispositions.
- For repair classification, see SNL110-00-0035, SNL120-00-0040, SNL145-00-0065, SNL170-00-0044, SNL190-00-0041 or 190E2-00-0002, as applicable.
- The latest version of this document shall be obtained from eTrack system.
- This document may have costs associated depending on the subject, manpower involved and commercial conditions.
- The herein technical data, accompanied of its respective F-200-06 form, is considered approved under ANAC RBAC 43. According to bilateral agreements IP USA and Brazil, dated Sep 2017, Chapter 3.3.3, TIP EU and Brazil, dated Mar 2017, Chapter 2.10.1, IP China and Brazil, dated Feb 2011, Chapter 3.4.3, the ANAC approval for major repairs is automatically considered approved by the referred authorities.

References**Ref. A - IDR 36999 ERJ-145 PISTON TUBE 2309-2057-003 660041606 51670037 N243JX.pdf****Ref. B - ELEB-TD 2022-026276 - HPA_ SA Piston Tube_Level tube and Chargin V. Housing repair.pdf****Description****This document provides repair procedure applied in the MLG Piston Tube P/N 2309-2058-001 S/N 1141619/001.**

Disposition

A. PERMANENT REPAIR

1. Repair Procedure

- Proceed as per ELEB-TD 2022-026276, Ref. B.

2. Inspections Instructions

- This repair does not adversely affect a fatigue critical structure and does not represent an Airworthiness Limitation. No specific or additional inspections are necessary.

Relatório de Verificação de Concordância de Aeronaves e Outros Produtos Aeronáuticos com os RBHA (Report of Compliance of Aircraft or other Aeronautical Products with the RBHA)		AGÊNCIA NACIONAL DE AVIAÇÃO CIVIL Gerência Geral de Certificação de Produtos Aeronáuticos	
1. Identificação da Aeronave ou Componente: (Aircraft or Component Identification) EMB-145 - PN 2309-2058-001 - SN 1141619/001		2. Data: (Date) Aug 29, 2022	
3. Marca e Nº Modelo (Make & Model Nº) EMBRAER - EMB-145LR	4. Tipo (aeronave, rádio, helicóptero, etc.) Type (aircraft, radio, helicopter, etc.) COMPONENT	5. Nome do Requerente (Name of applicant) EMBRAER	
Descrição dos Trabalhos e Lista de Dados Aprovados (Word Description and List of Approved Data)			
6. Número (Number) ETD2022-145-026276		7. Título (Title) EMB-145 - P/N 2309-2058-001 S/N 1141619/001 - ATA 32-10 - MLG Piston Tube - Permanent Repair "See attached pages."	
8. Objetivo dos Dados: (Purpose of Data) "Brazilian DER approval of technical data to support a Structural Repair or Allowable Damage on the product identified on Field 1"			
9. Requisitos Aplicáveis - Seções: (Applicable Requirements - Sections) RBHA/RBAC from the certification basis of the aircraft identified in field 3: 25.303, 25.307, 25.603, 25.609, 25.571, 25.305, 25.601, 25.605, 25.613			
10. CERTIFICAÇÃO: (CERTIFICATION) De acordo com a autoridade que me foi delegada pela ANAC/GGCP, certifico (Under the authority delegated to me by the ANAC/GGCP, I hereby certify that the que os dados acima relacionados e nas folhas anexas de 1 página(s) data listed above and on attached sheets numbered 1 pages foram examinados conforme os procedimentos estabelecidos e cumprem com os have been examined and found to comply with the requisitos aplicáveis dos RBHA. applicable airworthiness requirements of the RBHA) Consequentemente: ☐ recomendo aprovação destes dados (recommend approval of these data) (I therefore) ☒ aprovo estes dados (approve these data)			
11. Designação Nº (Designation Nr) RCE 2009C06-34		12. Nome e assinatura do Representante Credenciado (Name and signature of Designated Engineer) Jadir Longo	
RCE 2009C06-34		2cbfccac-41f4-40c4-8705-4ae2c798ad88	

6. Número (Number)	7. Título (cont.)(Title)
ETD2022-145-026276	Operator: Delux Public Charter - JETSUITEX PN: 2309-2058-001 SN: 1141619/001 N/A FH / 11439.00 FC on August 29, 2022 Inspection instructions: This repair does not adversely affect a fatigue critical structure and does not represent an Airworthiness Limitation. No specific or additional inspections are necessary. This ANAC approval is only for the after-damage design data described and substantiated as registered on the documents listed on the field 6. This approval, on its field 9, registers the airworthiness standards authorized by ANAC for compliance determination among those listed by the type certificate holder in the herein mentioned documents. This ANAC approval is considered to be approved by the civil Authority of the State of Registry as agreed with Brazil on their Bilateral Agreement procedures, or might be considered approved at discretion of the civil aviation authority of the State of Registry in lack of Bilateral Agreement procedures. The installer must determine compatibility of this data with the configuration of the airplane or part herein mentioned.

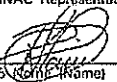


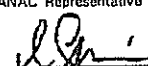
Landing Gear Maintenance Report

E145 RH MAIN GEAR LEG ASSY

Sales Order: 660041924	
Mfg P/N: 2309-3002-616	A/C: N48901
Mfg S/N: 247	MSN: 501
CPN: N/A	PO: RO-3180-145501

Certificates for New Parts

1 País (Country) BRASIL		2 Título (Title) AGÊNCIA NACIONAL DE AVIAÇÃO CIVIL (BRAZILIAN CIVIL AVIATION AUTHORITY) CERTIFICADO DE LIBERAÇÃO AUTORIZADA (AUTHORIZED RELEASE CERTIFICATE) ETIQUETA DE APROVAÇÃO DE AERONAVEGABILIDADE (AIRWORTHINESS APPROVAL TAG) FORMULÁRIO (FORM) F-100-01 (SEGVÃO 003)				3 Certificado No. (Certificate No./System tracking Ref.) 2003869577	
4 Empresa (nome e endereço) (Organization Name and Address) Embraer S.A. 276 S.W. 34th Street - Ft. Lauderdale, FL 33315 - COP E-7203-01						5 Ordem de Serviço/Contrato/Nota Fiscal (Work Order, Contract or Invoice) 0071106080	
6 Item (Item)	7 Descrição (Description)	8 Número da Peça (Part Number)	9 Quantidade (Quantity)	10 Número de Série/Lote (Serial/Batch Number)	11 Categoria/Trabalho (Status/Work)		
000001	AXLE	2309-3032-005	1	1760051/004	NEW		
12 Observações (Remarks) Export. Doc. Ref.(Ref. Document): 0802727075 / 2022.							
Partes com vida limitada devem ser acompanhadas de histórico de manutenção incluindo tempo total/ciclo total/tempo desde que novo. (Limited life parts must be accompanied by maintenance history including total time/total cycles/time since new.)							
13 Certifica que o(s) item(ns) acima identificado (s) foi (foram) fabricados (s) em conformidade aos: (Certifies that the item(s) identified above was (were) manufactured in conformity to): ☒ dados de projeto aprovados e está (ão) em condição segura de operação (approved design data and are in a condition for safe operation) ☐ dados de projeto não aprovado especificados no bloco 12 (non-approved design data specified in block 12)				18 ☐ Retorno ao serviço de acordo com RBAC 43.9 (Return to service in accordance with RBAC 43.9) ☐ Outros regulamentos especificados no bloco 12 (Others regulations specified in block 12) Certifica que, a menos especificado no bloco 12, o trabalho especificado no bloco 11, e descrito no bloco 12, foi executado de acordo com o Regulamento Brasileiro da Aviação Civil - RBAC 43 e, em relação ao trabalho realizado, a (s) peça (s) é (são) aprovada (s) para retorno ao serviço. (Certifies that, unless otherwise specified in block 12, the work identified in block 11 and described in block 12, was accomplished in accordance with Brazilian Civil Aviation Regulations - RBAC 43 and in respect to the work performed the part(s) is (are) approved for return to service.)			
14 Assinatura do Representante da ANAC (ANAC Representative Signature) 		15 No. Autorização da ANAC (ANAC Authorization No.) DQI 2020-044 / COP E-7203-01		19 Pessoa Autorizada (Authorized Signature)		20 No. COM/COA (Certificate Number)	
16 Nome (Name) Reginaldo L. Paim		17 Data (Date) 30/SEP/2022		21 Nome (Name)		22 Data (Date)	
* O INSTALADOR DEVE FAZER VERIFICAÇÃO CRUZADA DA APLICABILIDADE ATRAVÉS DOS DADOS TÉCNICOS APLICÁVEIS (INSTALLER MUST CROSS CHECK ELIGIBILITY WITH APPLICABLE TECHNICAL DATA) RESPONSABILIDADE DO USUÁRIO / INSTALADOR É IMPORTANTE COMPREENDER QUE A EXISTÊNCIA DESTES DOCUMENTOS POR SI SÓ NÃO CONSTITUI AUTOMATICAMENTE UMA AUTORIZAÇÃO PARA INSTALAR A PARTE/COMPONENTE/CONJUNTO. SE O TRABALHO DO USUÁRIO/INSTALADOR É REALIZADO DE ACORDO COM OS REGULAMENTOS NACIONAIS DE UMA AUTORIDADE DE AERONAVEGABILIDADE DIFERENTE DA AUTORIDADE DE AERONAVEGABILIDADE DO PAÍS ESPECIFICADO NO BLOCO 1, É ESSENCIAL QUE O USUÁRIO/INSTALADOR ASSEGURE QUE A SUA AUTORIDADE DE AERONAVEGABILIDADE ACEITA PARTES/COMPONENTES/CONJUNTOS DA AUTORIDADE DE AERONAVEGABILIDADE DO PAÍS ESPECIFICADO NO BLOCO 1. AS DECLARAÇÕES NOS BLOCOS 13 E 18 NÃO CONSTITUEM UM CERTIFICADO DE INSTALAÇÃO. EM TODOS OS CASOS, OS REGISTROS DE MANUTENÇÃO DA AERONAVE DEVEM CONTER UM CERTIFICADO DE INSTALAÇÃO EMITIDO DE ACORDO COM REGULAMENTOS NACIONAIS PELO USUÁRIO/INSTALADOR ANTES QUE A AERONAVE POSSA SER LIBERADA PARA VÔO. (USER / INSTALLER RESPONSIBILITY) (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 WORK IS PERFORMED 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 BLOCK 13 AND 18 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 País (Country) BRASIL		2 Título (Title) AGÊNCIA NACIONAL DE AVIAÇÃO CIVIL (BRAZILIAN CIVIL AVIATION AUTHORITY) CERTIFICADO DE LIBERAÇÃO AUTORIZADA (AUTHORIZED RELEASE CERTIFICATE) ETIQUETA DE APROVAÇÃO DE AERONAVEGABILIDADE (AIRWORTHINESS APPROVAL TAG) FORMULÁRIO (FORM) F-100-01 (SEGVÃO 003)				3 Certificado No. (Certificate No./System tracking Ref.) 2003409219	
4 Empresa (nome e endereço) (Organization Name and Address) EMBRAER - Empresa Brasileira de Aeronáutica S/A - Brasil 1085 East Stateline Road - Southaven MS 38671 - COP E-7203-01				5 Ordem de Serviço/Contrato/Nota Fiscal (Work Order, Contract or Invoice) 0902632053			
6 Item (Item)	7 Descrição (Description)	8 Número da Peça (Part Number)	9 Quantidade (Quantity)	10 Número de Série/Lote (Serial/Batch Number)	11 Categoria/Trabalho (Status/Work)		
000001	BALANCIM EQUIPADO, CONJ	2309-3037-403	1	1850862/001	NOVO		
12 Observações (Remarks) Export. The referenced parts conform to the EASA approved design data as identified in EASA IM.A.032 and are in condition for safe operation. 4013737373 / 2021.							
Partes com vida limitada devem ser acompanhadas de histórico de manutenção incluindo tempo total/ciclo total/tempo desde que novo. (Limited life parts must be accompanied by maintenance history including total time/cycle/time since new.)							
13 Certifica que o(s) item(ns) acima identificado (s) foi (foram) fabricados (s) em conformidade aos: (Certifies that the item(s) identified above was (were) manufactured in conformity to): ☒ dados de projeto aprovados e está (ão) em condição segura de operação (approved design data and are in a condition for safe operation) ☐ dados de projeto não aprovado especificados no bloco 12 (non-approved design data specified in block 12)				18 ☐ Retorno ao serviço de acordo com RBAC 43.9 (Return to service in accordance with RBAC 43.9) ☐ Outros regulamentos especificados no bloco 12 (Others regulations specified in block 12) Certifica que, a menos especificado no bloco 12, o trabalho especificado no bloco 11, e descrito no bloco 12, foi executado de acordo com o Regulamento Brasileiro da Aviação Civil - RBAC 43 e, em relação ao trabalho realizado, a (s) peça (s) é (são) aprovada (s) para retorno ao serviço. (Certifies that, unless otherwise specified in block 12, the work identified in block 11 and described in block 12, was accomplished in accordance with Brazilian Civil Aviation Regulations - RBAC 43 and in respect to the work performed the part(s) is (are) approved for return to service.)			
14 Assinatura do Representante da ANAC (ANAC Representative Signature) 		15 No. Autorização da ANAC (ANAC Authorization No.) DOI 2020-025 / COP E-7203-01		19 Pessoa Autorizada (Authorized Signature)		20 No. COM/COA (Certificate Number)	
16 Nome (Name) RAFAEL RODRIQUEZ		17 Data (Date) 16/APR/21		21 Nome (Name)		22 Data (Date)	
* O INSTALADOR DEVE FAZER VERIFICAÇÃO CRUZADA DA APLICABILIDADE ATRAVÉS DOS DADOS TÉCNICOS APLICÁVEIS (INSTALLER MUST CROSS CHECK ELIGIBILITY WITH APPLICABLE TECHNICAL DATA) RESPONSABILIDADE DO USUÁRIO / INSTALADOR É IMPORTANTE COMPREENDER QUE A EXISTÊNCIA DESTES DOCUMENTOS POR SI SÓ NÃO CONSTITUI AUTOMATICAMENTE UMA AUTORIZAÇÃO PARA INSTALAR A PARTE/COMPONENTE/CONJUNTO. SE O TRABALHO DO USUÁRIO/INSTALADOR É REALIZADO DE ACORDO COM OS REGULAMENTOS NACIONAIS DE UMA AUTORIDADE DE AERONAVEGABILIDADE DIFERENTE DA AUTORIDADE DE AERONAVEGABILIDADE DO PAÍS ESPECIFICADO NO BLOCO 1, É ESSENCIAL QUE O USUÁRIO/INSTALADOR ASSEGURE QUE A SUA AUTORIDADE DE AERONAVEGABILIDADE ACEITA PARTES/COMPONENTES/CONJUNTOS DA AUTORIDADE DE AERONAVEGABILIDADE DO PAÍS ESPECIFICADO NO BLOCO 1. AS DECLARAÇÕES NOS BLOCOS 13 E 18 NÃO CONSTITUEM UM CERTIFICADO DE INSTALAÇÃO. EM TODOS OS CASOS, OS REGISTROS DE MANUTENÇÃO DA AERONAVE DEVEM CONTER UM CERTIFICADO DE INSTALAÇÃO EMITIDO DE ACORDO COM REGULAMENTOS NACIONAIS PELO USUÁRIO/INSTALADOR ANTES QUE A AERONAVE POSSA SER LIBERADA PARA VÔO.							
(USER / INSTALLER RESPONSIBILITY) (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 WORK IS PERFORMED 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 BLOCK 13 AND 18 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.)							

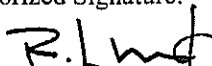


Landing Gear Maintenance Report

E145 RH MAIN GEAR LEG ASSY

Sales Order: 660041924	
Mfg P/N: 2309-3002-616	A/C: N48901
Mfg S/N: 247	MSN: 501
CPN: N/A	PO: RO-3180-145501

Certificates for Replaced Parts (with Traceability)

1. Approving Civil Aviation Authority / Country FAA / United States		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, Airworthiness Approval Tag				3. Form Tracking Number: 158300	
4. Organization Name and Address:		HAWKER PACIFIC AEROSPACE  Hawker Pacific Aerospace Repair Station No. RJ3R817L 11240 Sherman Way Sun Valley, CA. 91352				5. Work Order/Contract/Invoice No./P.O. 660041606 / 51670037 / / RO-2844	
6. Item	7. Description	8. Part Number	9. Quantity	10. Serial Number	11. Status/Work		
1	PISTON TUBE - ASSEMBLY	2309-2057-003	1	1171500/001	OVERHAULED		
12. Remarks: Life Details: CSN: 11439 TSO: ZERO CSO: ZERO UNIT WAS OVERHAULED IAW CMM 32-10-02 REV 13 DATED 32SEPT2015 COMPLIED WITH ELEB-TD-2022 026276 DATED 29AUG2022 DETAIL PN: 2309-2058-001 SN:1141619/001 PREVIOUS OPERATOR: JSX A/C: N243JX TRANSFERRED TO SALES ORDER : 660041924							
13a. Certifies the items identified above were manufactured in conformity to: ☐ Approved design data and are in 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.:	
				 		RJ3R817L	
13d. Name:		13e. Date:		14d. Name: Robert Luna		14e. Date: (dd/mm/yyyy) 21.Oct.2022	
USER / INSTALLER RESPONSIBILITIES							
Note: 1). It is important to understand that the existence of the document 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 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. 3) Statements 13a and 14a do not constitute installation certification. In all cases, 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.							

Evaluation Report

HAWKER PACIFIC AEROSPACE

FAA Repair Station RJ3R817L



Hawker Pacific Aerospace
11240 Sherman Way
Sun Valley, CA. 91352 USA
Tel: (818) 765-6201
Fax: (818) 765-4158

Event: L-00516-RMG Sales Order: 660041606
Repair Order: 51670037 Receipt Date:
Customer JSX
Customer P.O. RO-2844
Urgency Tail # N243JX

Receiving Planner Work Order Information

Qty	P.O. Part Number	Description	Serial Number	Manufacturer		Eligibility
1	2309-2057-003	PISTON TUBE - ASSEMBLY	1171500/001	ELEB - EQUIPAMENTOS LTDA DO BRASIL		ERJ 140/145
Customer Reported Discrepancy NONE			CSO	CSN 11439.00	TSO	TSN
Warranty	N/A					
Customer Instructions	OVERHAUL					

Initial Evaluation Results

UNIT RECEIVED IN NORMAL WEAR CONDITION OVERHAUL IAW CMM 32-10-02

Initial Test

Repair Action Description

Work accomplished

UNIT WAS OVERHAULED IAW CMM 32-10-02 REV 13 DATED 32SEPT2015
COMPLIED WITH ELEB-TD-2022 026276 DATED 29AUG2022

DETAIL PN: 2309-2058-001 SN:1141619/001

CSO: ZERO
TSO: ZERO

PREVIOUS OPERATOR: JSX A/C: N243JX
TRANSFERRED TO SALES ORDER : 660041924

Repair Action Descr. created by	U753070	Print by:	U753070	Print at:	Oct 21, 2022
As shipped Part Number	2309-2057-003	S / N	1171500/001	Publication	32-10-02

CUSTOMER: JSX

PART NUMBER: 2309-3002-516

SERIAL NUMBER: 183

Assembly CSN: 31,470

Assembly CSO: 11,439

Date of Last Overhaul: 4/19/2010

Date Removed: 5-May-22

Sub Part details

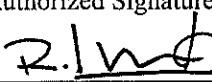
Part No received	Nomenclature	Actual Serial Number from records	Life Limit	CSN	Cy Rem
2309-3014-503 2309-3006-501	LH MLG Leg Strut ELEB		60,000		
2309-3014-504 2309-3006-502	RH MLG Leg Strut ELEB	OF7467756-01	60,000	31,470	28,530
2309-3037-401 2309-3009-503	Trailing Arm	1291501/001 1267490/002	60,000	11,439	48,561
2309-3025-001	Trunnion Axle	1246203/007	60,000	11,439	48,561
2309-3025-001	Trunnion Axle	1246203/008	60,000	11,439	48,561
2309-2029-001	Shock Absorber Attachment Axle	OF6500884/28	60,000	31,470	28,530
2309-2029-001	Shock Absorber Attachment Axle	1186190/008	60,000	11,439	48,561
2309-3032-001	Main Side Strut Attachment Axle (Pivot Pin)		60,000		
2309-3032-003	Main Side Strut Attachment Axle (Pivot Pin)	OF.9800033-04	60,000	37,393	22,607
2309-3032-005	Main Side Strut Attachment Axle (Pivot Pin)		60,000		
2309-2041-401 2309-2048-005	Cardan Joint	OF6484193-07	60,000	31,470	28,530
2309-2041-401	Cardan Joint		60,000		
2309-2041-001	Cardan Joint		15,760		
2309-2050-001	Cardan Axle		60,000		
2309-2050-003	Cardan Axle	1250966/006	60,000	11,439	48,561
2309-2050-601	Cardan Axle		60,000		
2309-3055-001	Trailing Arm Axle (Left)		60,000		
2309-3055-002	Trailing Arm Axle (Right)	1215151/004	60,000	11,439	48,561
2309-3040-001	Wheel Axle	1262373/001	60,000	11,439	48,561
2309-2005-001	Shock Absorber Assy		60,000		
2309-2005-003	Shock Absorber Assy		60,000		
2309-2005-005	Shock Absorber Assy		60,000		
2309-2005-007	Shock Absorber Assy	10049	60,000	11,439	48,561
2309-2057-001 2309-2058-001	Piston Tube	1141619/001	60,000	11,439	48,561
2309-2064-005 2309-2056-005	Cylinder	1138089/002	60,000	11,439	48,561
2309-2066-001	Bearing Cap		60,000		
2309-2082-001	Bearing Cap	1139188/002	60,000	11,439	48,561

Customer Name Signature

James Weaver

Customer Title Chief Inspector

Date Created 9/21/2022

1. Approving Civil Aviation Authority / Country FAA / United States		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, Airworthiness Approval Tag				3. Form Tracking Number: 158302	
4. Organization Name and Address:		HAWKER PACIFIC  AEROSPACE Hawker Pacific Aerospace Repair Station No. RJ3R817L 11240 Sherman Way Sun Valley, CA. 91352				5. Work Order/Contract/Invoice No./P.O.: 660041888 / 51690735 / / PO-8798	
6. Item	7. Description	8. Part Number	9. Quantity	10. Serial Number	11. Status/Work		
1	AXLE, CARDAN PIVOT	2309-2050-003	1	0109953/38	OVERHAULED		
12. Remarks: Life Details: CSN: 29354 TSO: ZERO CSO: ZERO OVERHAULED IAW CMM 32-10-01 REV 25 DATED 30MAR2021 PREVIOUS OPERATOR: JSX A/C: N245JX TRANSFERRED TO SALES ORDER : 660041924							
13a. Certifies the items identified above were manufactured in conformity to: ☐ Approved design data and are in 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.:	
				 		RJ3R817L	
13d. Name:		13e. Date:		14d. Name: Robert Luna		14e. Date: (dd/mm/yyyy) 21.Oct.2022	
USER / INSTALLER RESPONSIBILITIES							
Note: 1). It is important to understand that the existence of the document 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 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. 3) Statements 13a and 14a do not constitute installation certification. In all cases, 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.							

Evaluation Report

HAWKER PACIFIC AEROSPACE

FAA Repair Station RJ3R817L



Hawker Pacific Aerospace
11240 Sherman Way
Sun Valley, CA. 91352 USA
Tel: (818) 765-6201
Fax: (818) 765-4158

Event: XL-00527-LMG Sales Order: 660041888
Repair Order: 51690735 Receipt Date:
Customer JSX
Customer P.O. PO-8798
Urgency Tail # N245JX

Receiving Planner Work Order Information

Qty	P.O. Part Number	Description	Serial Number	Manufacturer	Eligibility
1	2309-2050-003	AXLE, CARDAN PIVOT	0109953/38	ELEB - EQUIPAMENTOS LTDA DO BRASIL	ERJ 140/145
Customer Reported Discrepancy			CSO	CSN	TSO
N/A			9561.00	29354.00	TSN
Warranty	N/A				
Customer Instructions	OVERHAUL				

Initial Evaluation Results

UNIT RECEIVED IN FAIR CONDITION. UNIT WILL BE OVERHAULED IAW CMM 32-10-01 REV 25 DATED 30MAR2021

Initial Test

Repair Action Description

Work accomplished

OVERHAULED IAW CMM 32-10-01 REV 25 DATED 30MAR2021
CSO: ZERO
TSO: ZERO

PREVIOUS OPERATOR: JSX A/C: N245JX
TRANSFERRED TO SALES ORDER : 660041924

Repair Action Descr. created by	U753070	Print by:	U753070	Print at:	Oct 21, 2022
As shipped Part Number	2309-2050-003	S / N	0109953/38	Publication	32-10-01

CUSTOMER: JSX

PART NUMBER: 2309-3002-515

SERIAL NUMBER: 187

Assembly CSN: 29,354

Assembly CSO: 9,561

Date of Last Overhaul: 6/11/2010

Date Removed: 5-Aug-22

Sub Part details

Part No received	Nomenclature	Actual Serial Number from records	Life Limit	CSN	Cy Rem
2309-3014-503 2309-3006-501	LH MLG Leg Strut ELEB	1382148/01 0472679/01	60,000	29,354	30,646
2309-3014-504 2309-3006-502	RH MLG Leg Strut ELEB		60,000		
2309-3037-401 3009-503	Trailing Arm	1046174/01 8180759/01	60,000	29,354	30,646
2309-3025-001	Trunnion Axle	9799945/02	60,000	29,354	30,646
2309-3025-001	Trunnion Axle	9799945/09	60,000	29,354	30,646
2309-2029-001	Shock Absorber Attachment Axle	6500884/32	60,000	29,354	30,646
2309-2029-001	Shock Absorber Attachment Axle	1239628/023	60,000	9,561	50,439
2309-3032-001	Main Side Strut Attachment Axle (Pivot Pin)		60,000		
2309-3032-003	Main Side Strut Attachment Axle (Pivot Pin)	0826167/02	60,000	29,354	30,646
2309-3032-005	Main Side Strut Attachment Axle (Pivot Pin)		60,000		
2309-2041-401 2048-005	Cardan Joint	1823061/05 0538740/06	60,000	29,354	30,646
2309-2041-401 2309-2048-005	Cardan Joint		60,000		
2309-2041-001 2309-2048-001	Cardan Joint		15,760		
2309-2050-001	Cardan Axle		60,000		
2309-2050-003	Cardan Axle	0109953/38	60,000	29,354	30,646
2309-2050-801	Cardan Axle		60,000		
2309-3055-001	Trailing Arm Axle (Left)	0671207/01	60,000	29,354	30,646
2309-3055-002	Trailing Arm Axle (Right)		60,000		
2309-3040-001	Wheel Axle	3502269/01	60,000	21,568	38,432
2309-2005-001	Shock Absorber Assy		60,000		
2309-2005-003	Shock Absorber Assy		60,000		
2309-2005-005	Shock Absorber Assy		60,000		
2309-2005-007	Shock Absorber Assy		60,000		
2309-2057-001 2058-001	Piston Tube		60,000		
2309-2064-005 2056-005	Cylinder		60,000		
2309-2066-001	Bearing Cap		60,000		
2309-2082-001	Bearing Cap		60,000		

Customer Name Signature

Chief Inspector

Customer Title

Date Created 10/19/2022

[illegible]

280
LH
2/18/41



Landing Gear Maintenance Report

E145 RH MAIN GEAR LEG ASSY

Sales Order: 660041924	
Mfg P/N: 2309-3002-616	A/C: N48901
Mfg S/N: 247	MSN: 501
CPN: N/A	PO: RO-3180-145501

Previous Operator Traceability

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AC:

N48901

Position: RH

■ P/N: 2309-3002-516

P/N S/N: 247

STRUT LEG ASSY (RH), MLG

Batch:

2181254

SCHEDULE				ACTUAL				REMAINING			STATUS
Hours	Cycles	Days	Date	Hours	Cycles	Days	Reset Date	Hours	Cycles	Days	
	20000	4380		6408:42	14563	1475	10/01/2016	0:00	5437	2905	OPEN
TSI				18241:02	14563	1475	10/01/2016	0:00	0	0	
TSN				43014:12	33573	1475	10/01/2016	0:00	0	0	

Control Items

Description

OLEOST RST 145LR-RH

UNSCHED - OLEO STRUT RESTORE

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■ P/N: 2309-3014-602

P/N S/N: OF4934441-01

LEG STRUT EQUIPPED (RH), MLG

Batch: 2178496

SCHEDULE				ACTUAL			REMAINING			STATUS
Hours	Cycles	Days	Date	Hours	Cycles	Days	Hours	Cycles	Days	
	20000	4380		6408:42	14563	1475	0:00	5437	2905	OPEN
	60000			6408:42	33573	1475	0:00	26427	0	OPEN
				43014:12	33573	1475	0:00	0	0	
				43014:12	33573	1475	0:00	0	0	

Control Items

Description

LEG STRUT REST

UNSCHED - T/C "MAIN GEAR REMOVE"

MLG LEG STRUT RIGHT (RH)

(LIFE LIMITED PART) UNSCHED - T/C "MAIN GEAR R/R"

TSI

TSN

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■ P/N: 2309-2005-001

P/N S/N: 022

SHOCK ABSORBER ASSY, MLG

Batch: 7554235

Control Items	Description
MLG SHOCK RE-PACK	MLG SHOCK ABSORBER REPACKING
SHOCK ABSORBER RST	SHOCK ABSORBER ASSEMBLY RESTORATION
TSI	
TSN	

SCHEDULE				ACTUAL			REMAINING			STATUS
Hours	Cycles	Days	Date	Hours	Cycles	Days	Hours	Cycles	Days	
10000:00				3:34	2	197	9996:26	0	0	OPEN
	20000	4380		22610:45	17774	4070	0:00	2226	310	OPEN
				3:34	2	197	0:00	0	0	
				47682:45	37322	1248	0:00	0	0	

■ P/N: 2309-2057-001

P/N S/N: OF3665542-01

PISTON TUBE ASSY, MLG SHOCK ABSORBER

Batch: 2144181

Control Items	Description
MLG PISTON TUBE	(LIFE LIMITED PART) UNSCHED - T/C "MAIN GEAR R/R"
TSI	
TSN	

SCHEDULE				ACTUAL			REMAINING			STATUS
Hours	Cycles	Days	Date	Hours	Cycles	Days	Hours	Cycles	Days	
	60000			47682:53	37322	1248	0:00	22678	0	OPEN
				3:34	2	197	0:00	0	0	
				47682:53	37322	1248	0:00	0	0	

■ P/N: 2309-2058-001

P/N S/N: OF2358350-03

PISTON TUBE, MLG SHOCK ABSORBER

Batch: 7554296

Control Items	Description
MLG PISTON TUBE	(LIFE LIMITED PART) UNSCHED - T/C "MAIN GEAR R/R"
TSI	
TSN	

SCHEDULE				ACTUAL			REMAINING			STATUS
Hours	Cycles	Days	Date	Hours	Cycles	Days	Hours	Cycles	Days	
	60000			47682:53	37322	197	0:00	22678	0	OPEN
				3:34	2	197	0:00	0	0	
				47682:53	37322	197	0:00	0	0	

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■ P/N: 2309-2064-005

P/N S/N: 1245490/001

CYLINDER ASSY, MLG SHOCK ABSORBER

Batch: 2359399

Control Items	Description
MLG CYLINDER	(LIFE LIMITED PART) UNSCHED - T/C "MAIN GEAR R/R"
TSI	
TSN	

SCHEDULE				ACTUAL			REMAINING			STATUS
Hours	Cycles	Days	Date	Hours	Cycles	Days	Hours	Cycles	Days	
	60000			22610:45	17774	1248	0:00	42226	0	OPEN
				3:34	2	197	0:00	0	0	
				22610:45	17774	1248	0:00	0	0	

■ P/N: 2309-2056-005

P/N S/N: 1217224/001

CYLINDER, MLG SHOCK ABSORBER

Batch: 7554295

Control Items	Description
MLG CYLINDER	(LIFE LIMITED PART) UNSCHED - T/C "MAIN GEAR R/R"
TSI	
TSN	

SCHEDULE				ACTUAL			REMAINING			STATUS
Hours	Cycles	Days	Date	Hours	Cycles	Days	Hours	Cycles	Days	
	60000			22610:45	17774	197	0:00	42226	0	OPEN
				3:34	2	197	0:00	0	0	
				22610:45	17774	197	0:00	0	0	

■ P/N: 2309-2082-001

P/N S/N: 1584436/011

BEARING CAP, MLG SHOCK ABSORBER

Batch: 7157157

Control Items	Description
MLG BEARING CAP	(LIFE LIMITED PART) UNSCHED - T/C "MAIN GEAR R/R"
TSI	
TSN	

SCHEDULE				ACTUAL			REMAINING			STATUS
Hours	Cycles	Days	Date	Hours	Cycles	Days	Hours	Cycles	Days	
	60000			476:07	394	312	0:00	59606	0	OPEN
				3:34	2	197	0:00	0	0	
				476:07	394	312	0:00	0	0	

■ P/N: 2309-2027-005

P/N S/N: 1770589/03

MANEUVERING ACTUATOR AXLE, MLG

Batch: 2184327

Control Items	Description
ACT ATTCH AXLE LIFE	UNSCHED - T/C "NOSE GEAR REMOVE"
TSI	
TSN	

SCHEDULE				ACTUAL			REMAINING			STATUS
Hours	Cycles	Days	Date	Hours	Cycles	Days	Hours	Cycles	Days	
				0:00	0	0				TERMINATED
				43014:12	33573	1475	0:00	0	0	
				43014:12	33573	1475	0:00	0	0	

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■ P/N: 2309-2029-001

P/N S/N: 1082476/004

Control Items	Description
MLG SHOCK ABSORBER ATTACH,	(LIFE LIMITED PART) UNSCHED - T/C "MAIN GEAR R/R"
TSI	
TSN	

SHOCK ABSORBER ATTACHMENT AXLE, MLG

Batch: 2304562

SCHEDULE				ACTUAL			REMAINING			STATUS
Hours	Cycles	Days	Date	Hours	Cycles	Days	Hours	Cycles	Days	
	60000			6408:42	24188	1475	0:00	35812	0	OPEN
				30962:23	24188	1475	0:00	0	0	
				30962:23	24188	1475	0:00	0	0	

■ P/N: 2309-2029-001

P/N S/N: 1321029/10

Control Items	Description
MLG SHOCK ABSORBER ATTACH,	(LIFE LIMITED PART) UNSCHED - T/C "MAIN GEAR R/R"
TSI	
TSN	

SHOCK ABSORBER ATTACHMENT AXLE, MLG

Batch: 2178586

SCHEDULE				ACTUAL			REMAINING			STATUS
Hours	Cycles	Days	Date	Hours	Cycles	Days	Hours	Cycles	Days	
	60000			6408:42	33554	1475	0:00	26446	0	OPEN
				42990:29	33554	1475	0:00	0	0	
				42990:29	33554	1475	0:00	0	0	

■ P/N: 2309-2041-401

P/N S/N: 1114245/001

Control Items	Description
MLG CARDAN JOINT 60K	(LIFE LIMITED PART) UNSCHED - T/C "MAIN GEAR REMOVE"
TSI	
TSN	

CARDIN JOINT ASSY, MLG

Batch: 2299873

SCHEDULE				ACTUAL			REMAINING			STATUS
Hours	Cycles	Days	Date	Hours	Cycles	Days	Hours	Cycles	Days	
	60000			6408:42	24193	1475	0:00	35807	0	OPEN
				30967:45	24193	1475	0:00	0	0	
				30967:45	24193	1475	0:00	0	0	

■ P/N: 2309-2050-003

P/N S/N: 1066210/015

Control Items	Description
MLG PIVOT	(LIFE LIMITED PART) UNSCHED - T/C "MAIN GEAR REMOVE"
TSI	
TSN	

PIVOT, MLG (PRE SB145-32-0094)

Batch: 2197844

SCHEDULE				ACTUAL			REMAINING			STATUS
Hours	Cycles	Days	Date	Hours	Cycles	Days	Hours	Cycles	Days	
	60000			6408:42	24189	1475	0:00	35811	0	OPEN
				30963:33	24189	1475	0:00	0	0	
				30963:33	24189	1475	0:00	0	0	

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■ P/N: 2309-3025-001

P/N S/N: 3288625/05

Control Items	Description
MLG TRUNNION AXLE	(LIFE LIMITED PART) UNSCHED - T/C "MAIN GEAR REMOVE"
TSI	
TSN	

TRUNNION AXLE, MLG

Batch: 2185182

SCHEDULE				ACTUAL			REMAINING			STATUS
Hours	Cycles	Days	Date	Hours	Cycles	Days	Hours	Cycles	Days	
	60000			6408:42	33573	1475	0:00	26427	0	OPEN
				43014:12	33573	1475	0:00	0	0	
				43014:12	33573	1475	0:00	0	0	

■ P/N: 2309-3025-001

P/N S/N: OF5218987-12

Control Items	Description
MLG TRUNNION AXLE	(LIFE LIMITED PART) UNSCHED - T/C "MAIN GEAR REMOVE"
TSI	
TSN	

TRUNNION AXLE, MLG

Batch: 2340227

SCHEDULE				ACTUAL			REMAINING			STATUS
Hours	Cycles	Days	Date	Hours	Cycles	Days	Hours	Cycles	Days	
	60000			6408:42	33497	1475	0:00	26503	0	OPEN
				18241:02	14563	1475	0:00	0	0	
				43533:45	33497	1475	0:00	0	0	

■ P/N: 2309-3032-005

P/N S/N: 3142677/02

Control Items	Description
MLG MAIN SIDE STRUT ATTACH A	(LIFE LIMITED PART) UNSCHED - T/C "MAIN GEAR R/R"
TSI	
TSN	

MAIN SIDE STRUT ATTACHMENT AXLE, MLG

Batch: 2184322

SCHEDULE				ACTUAL			REMAINING			STATUS
Hours	Cycles	Days	Date	Hours	Cycles	Days	Hours	Cycles	Days	
	60000			6408:42	33573	1475	0:00	26427	0	OPEN
				43014:12	33573	1475	0:00	0	0	
				43014:12	33573	1475	0:00	0	0	

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■ P/N: 2309-3037-403

P/N S/N: OF493547-3/01

Control Items	Description
MLG TRAILING ARM	(LIFE LIMITED PART) UNSCHED - T/C "MAIN GEAR REMOVE"
TRAILING ARM REST	UNSCHED - T/C "MAIN GEAR REMOVE"
TSI	
TSN	

TRAILING ARM EQUIPPED

Batch: 2184326

SCHEDULE				ACTUAL			REMAINING			STATUS
Hours	Cycles	Days	Date	Hours	Cycles	Days	Hours	Cycles	Days	
	40000			6408:42	33573	1475	0:00	6427	0	OPEN
	20000	4380		6408:42	14563	1475	0:00	5437	2905	OPEN
				43014:12	33573	1475	0:00	0	0	
				43014:12	33573	1475	0:00	0	0	

■ P/N: 2309-3040-001

P/N S/N: 4169355/01

Control Items	Description
MLG WHEEL AXLE	(LIFE LIMITED PART) UNSCHED - T/C "MAIN GEAR REMOVE"
TSI	
TSN	

WHEEL AXLE, MLG

Batch: 2179185

SCHEDULE				ACTUAL			REMAINING			STATUS
Hours	Cycles	Days	Date	Hours	Cycles	Days	Hours	Cycles	Days	
	60000			6408:42	33573	1475	0:00	26427	0	OPEN
				43014:12	33573	1475	0:00	0	0	
				43014:12	33573	1475	0:00	0	0	

■ P/N: 2309-3055-002

P/N S/N: 3142227/01

Control Items	Description
MLG TRAILING ARM AXLE (RIGHT)	(LIFE LIMITED PART) UNSCHED - T/C "MAIN GEAR R/R"
TSI	
TSN	

TRAILING ARM AXLE (RH), MLG

Batch: 2184324

SCHEDULE				ACTUAL			REMAINING			STATUS
Hours	Cycles	Days	Date	Hours	Cycles	Days	Hours	Cycles	Days	
	60000			6408:42	33573	1475	0:00	26427	0	OPEN
				43014:12	33573	1475	0:00	0	0	
				43014:12	33573	1475	0:00	0	0	

ExpressJet

PARTS RECORD AND CONTROL TAG

FORM M-502
(02/06)

00-108

SERVICEABLE RECORD

P/N ON <u>2309-2600-587</u>	S/N ON <u>903</u>
DESCRIPTION <u>Secondary side strut</u>	TSOCSO <u>2</u>
PO NUMBER <u>1024110117</u>	WORK ORDER <u>417948</u>
CONDITION	
☐ NEW ☒ OVERHAUL ☐ REPAIR ☐ CONT. TIME	
☐ ROBBED FROM _____ POSITION _____	
OTHER _____	

REMOVAL RECORD

P/N OFF <u>2309-2600-587</u>	S/N OFF <u>1020</u>		
LOGPAGE <u>2945670</u>	FLT <u>4269</u>	TAIL NO. <u>48901</u>	POSITION <u>#2</u>
APU SERIAL NUMBER <u>7</u>		ENGINE SERIAL NUMBER <u>122</u>	
☒ REPLACED		☐ REMOVED ONLY	
☐ TROUBLESHOOTING		☐ INSTALLED ONLY	
REASON <u>Time change</u>			

SHELF LIFE ☒ YES ☐ NO EXPIRES <u>12/07/13</u>		
INSPECTED BY <u>MD</u>	EMP NO <u>7030053</u>	DATE <u>12/07/11</u>

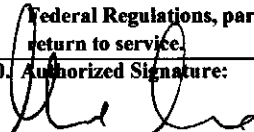
ENTERED IN AURA ☒ YES ☐ NO BY <u>KG7031083</u>			
MECHANIC INITIALS <u>KG</u>	EMP NO. <u>7031083</u>	STA <u>1AH</u>	DATE <u>12/11/11</u>

1.31.12000

Yellow Copy - Records

White Copy - Records

Green Copy - Attached to Removed Part

1. Approving National Aviation Authority/Country: FAA/United States		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG				3. Form Tracking Number: 20119609	
4. Organization Name and Address: Hawker Pacific Aerospace Repair Station No. RJ3R817L 11240 Sherman Way Sun Valley, CA. 91352						5. Work Order/Contract/Invoice Number: XL7948	
6. Item:	7. Description:	8. Part Number:	9. Eligibility:*	10. Quantity:	11. Serial/Batch Number:	12. Status/Work:	
1	SECONDARY SIDE	2309-2600-507	N/A	1.0	903	OVERHAULED	
13. Remarks: P.O. # RO0411110120 (PLEASE SEE ATTACHED DOCUMENTATION) CSN: 18,300 TSO/CSO: ZERO OVERHAULED IN ACCORDANCE WITH ELEB CMM 32-10-04 REVISION # 11 DATED 28FEB2010 AND EC 3200-01006 REV. K DATED 20OCT2009 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.145.4518.							
14. 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 13.				19. ☒ 14 CFR 43.9 Return to Service ☒ 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 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.: RJ3R817L	
17. Name (Typed or Printed):		18. Date(m/d/y):		22. Name (Typed or Printed): G. BUENROSTRO		23. Date(m/d/y): Jun/18/2011	
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.							

HAWKER PACIFIC AEROSPACE

11240 Sherman Way
Sun Valley, CA 91352
USA
TEL (818) 765-6201
FAX (818) 765-8073

FAA REPAIR STATION
RJ3R817L

- FINAL -

WORK ORDER #	XL7948
RECEIPT DATE	04/14/2011
CUSTOMER	EXPRESSJET AIRLINES
CUSTOMER P.O.	RO0411110120
URGENCY	NORMAL
TAIL#	912

RECEIVING PLANNER WORK ORDER INFORMATION						
QTY	P.O. PART NUMBER	DESCRIPTION				SERIAL NUMBER
1	2309-2600-507	SECONDARY SIDE STRUT ASSY				903
MANUFACTURER		CSO	CSN	TSO	TSN	AIRCRAFT TYPE
EMBRAER		18300.00	18300.00	23883.74	23883.74	EMBRAER EMB-145 (ERJ)
COND AS RECV IN REC DEPT						
CUSTOMER REPORTED DISCREP NONE						
DATE OF LAST REP / OH REF. WO:						
WARRANTY N/A						
CUSTOMER INSTRUCTIONS OVERHAUL ACN 912						

INITIAL EVALUATION RESULTS

RECEIVED SECONDARY SIDE STRUT ASSEMBLY IN FAIR CONDITION. PLEASE SEE ATTACHED DOCUMENTS FOR LIST OF NON-REPAIRABLE PARTS (NRP). ALL OTHER COMPONENTS ARE WITHIN CMM LIMITS. UNIT WILL BE OVERHAULED IN ACCORDANCE WITH ELEB CMM 32-10-04 AND EC 3200-01006.

INITIAL TEST Not Applicable

REPAIR ACTION DESCRIPTION

WORK ACCOMPLISHED

OVERHAULED IN ACCORDANCE WITH ELEB CMM 32-10-04 REV 11, DATED 28FEB2010
AND EC 3200-01006 REV K, DATED 20OCT2009.

CSO: ZERO
TSO: ZERO

|CP 13JUN2011|

AS SHIPPED PART NUMBER	2309-2600-507	S/N	903	PUBLICATION	ELEB CMM 32-10-04
UNIT EXCHANGED FOR P/N	N/A	S/N	N/A	W.O.#	N/A
				DATE	

Signature - Certificated Mechanic/Supervisor

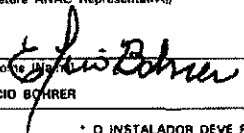
Cert #: 5240079 Date: JUN 18 2011

Signature - Certificated Inspector:

Cert #: 3238950 Date: JUN 18 2011

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XL7948

1 País (Country) BRASIL		2 Título (Title) AGÊNCIA NACIONAL DE AVIAÇÃO CIVIL (BRAZILIAN CIVIL AVIATION AUTHORITY) CERTIFICADO DE LIBERAÇÃO AUTORIZADA (AUTHORIZED RELEASE CERTIFICATE) ETIQUETA DE APROVAÇÃO DE AERONAVEGABILIDADE (AIRWORTHINESS APPROVAL TAG) FORMULÁRIO (FORM) SEGVÔO 003				3 Certificado No. (Certificate No./System tracking Ref.) 1100100324	
4 Empresa (Organization) EMBRAER - Empresa Brasileira de Aeronáutica S/A - Brasil 278 S.W. 34th Street - Ft. Lauderdale, FL 33315 - COP E-7203-01						5 Ordem de Serviço/Contrato/Nota Fiscal (Work Order, Contract or Invoice) 0021237432	
6 Item (Item)	7 Descrição (Description)	8 Número da Peça (Part Number)	9 Aplicabilidade* (Eligibility)	10 Quantidade (Quantity)	11 Número de Série/Lote (Serial/Batch Number)	12 Categoria/Trabalho (Status/Work)	
000001	AXLE	2309-2621-001	EMB-145	1	1365760/033	NEW	
13 Observações (Remarks) Export. 0083389504 / 2011.							
Partes com vida limitada devem ser acompanhadas de histórico de manutenção incluindo tempo total/ciclo total/tempo desde que novo. (Limited life parts must be accompanied by maintenance history including total time/cycle total/time since new.)							
14 Certifique que o (s) item (s) acima identificado (s) foi (foram) fabricado (s) em conformidade aos: (Certifies that article (s) identified above was (were) manufactured in conformity to:)				19 ☐ Retorno ao serviço de acordo com RBHA 43.9 ☐ Outros regulamentos especificados no bloco 13 (Return to service in accordance with RBHA 43.9) (Others regulations specified in block 13)			
☒ dados de projeto aprovados e está (ão) em condição segura de operação (approved design data and are in a condition for safe operation)				Certifica que, a menos especificado no bloco 13, o trabalho especificado no bloco 12, a descrição no bloco 13, foi executado de acordo com o Regulamento Brasileiro de Homologação Aeronáutica - RBHA 43-6, em relação ao trabalho realizado, a (s) peça (s) é (são) aprovada (s) para retorno ao serviço. (Certifies that, unless otherwise specified in block 13, the work identified in block 12 and described in block 13, was accomplished in accordance with Brazilian Regulation for Aeronautical Certification - RBHA 43 and in respect to the work performed the part (s) is (are) approved for return to service.)			
☐ dados de projeto não aprovado especificados no bloco 13 (non-approved design data specified in block 13)							
15 Assinatura do Representante da ANAC (Signature ANAC Representative) 		16 No. Autorização da ANAC (ANAC Authorization No.) 2004C09-14		20 Pessoa Autorizada (Authorized Signature)		21 No. CHE/CHETA (Certificate Number)	
17 Nome (Name) ELCIO BOHRER		18 Data (Date) 17/MAY/11		22 Nome (Name)		23 Data (Date)	
* O INSTALADOR DEVE FAZER VERIFICAÇÃO CRUZADA DA APLICABILIDADE ATRAVÉS DOS DADOS TÉCNICOS APLICÁVEIS (INSTALLER MUST CROSS CHECK ELIGIBILITY WITH APPLICABLE TECHNICAL DATA) RESPONSABILIDADE DO USUÁRIO / INSTALADOR É IMPORTANTE COMPREENDER QUE A EXISTÊNCIA DESTES DOCUMENTOS POR SI SÓ NÃO CONSTITUI AUTOMATICAMENTE UMA AUTORIZAÇÃO PARA INSTALAR A PARTE/COMPONENTE/CONJUNTO. SE O TRABALHO DO USUÁRIO/INSTALADOR É REALIZADO DE ACORDO COM OS REGULAMENTOS NACIONAIS DE UMA AUTORIDADE DE AERONAVEGABILIDADE DIFERENTE DA AUTORIDADE DE AERONAVEGABILIDADE DO PAÍS ESPECIFICADO NO BLOCO 1, É ESSENCIAL QUE O USUÁRIO/INSTALADOR ASSEGURE QUE A SUA AUTORIDADE DE AERONAVEGABILIDADE ACEITA PARTES/COMPONENTES/CONJUNTOS DA AUTORIDADE DE AERONAVEGABILIDADE DO PAÍS ESPECIFICADO NO BLOCO 1. AS DECLARAÇÕES NOS BLOCOS 14 E 19 NÃO CONSTITUEM UM CERTIFICADO DE INSTALAÇÃO. EM TODOS OS CASOS, OS REGISTROS DE MANUTENÇÃO DA AERONAVE DEVEM CONTER UM CERTIFICADO DE INSTALAÇÃO EMITIDO DE ACORDO COM REGULAMENTOS NACIONAIS PELO USUÁRIO/INSTALADOR ANTES QUE A AERONAVE POSSA SER LIBERADA PARA VÔO. (USER / INSTALLER RESPONSIBILITY) 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 WORK IS PERFORMED 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 BLOCK 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.)							

EXPRESS JET**XL7948 OFF 912**

P/N:2309-2600-507 SERIAL: 903		HOURS TSN	CYCLES TSN	HOURS TSO	CYCLES TSO	HRS THIS INSTL	CYC THIS INSTL	
		23,883.74	18,300	23,883.74	18,300	23,883.74	18,300	
PART NUMBER	PART DESCRIPTION	SERIAL	CSI	CSN	CSO	TSI	TSN	TSO
2309-2601-501	SECONDARY LOWER SIDE STRUT	3479064-05	18,300	18,300	18,300	23,883.74	23,883.74	23,883.74
2309-2608-503	SECONDARY UPPER SIDE STRUT	OF3477999/08	18,300	18,300	18,300	23,883.74	23,883.74	23,883.74
2309-2617-001	CARDAN,MLG SECONDARY DRAG STRUT	OF-3666891/06	18,300	18,300	18,300	23,883.74	23,883.74	23,883.74
2309-2621-001	AXLE, MLG SECONDARY DRAG STRUT	1128512/73	18,300	18,300	18,300	23,883.74	23,883.74	23,883.74
2309-2650-005	SPRING CARTRIDGE ASSY	OF0537924/14	18,300	18,300	18,300	23,883.74	23,883.74	23,883.74
2309-2650-005	SPRING CARTRIDGE ASSY	OF0537924/10	18,300	18,300	18,300	23,883.74	23,883.74	23,883.74
2309-2613-001	AXLE, MLG SECONDARY DRAG STRUT,C	OF053898/434	18,300	18,300	18,300	23,883.74	23,883.74	23,883.74
2309-2626-001	AXLE, CARDAN, MLG SEC DRAG STRUT	OF0760868/72	18,300	18,300	18,300	23,883.74	23,883.74	23,883.74



Landing Gear Maintenance Report

E145 RH MLG SIDE STRUT ASSY

Sales Order: 660041926			
Mfg P/N:	2309-3500-503	A/C:	N48901
Mfg S/N:	482	MSN:	501
CPN:	N/A	PO:	RO-3180-145501

Customer Documentation Package

Evaluation Report and Airworthiness Release Certificate

Life Limit Report

Service Bulletin Report

Customer Purchase Order (PO, RO, SO)

Concessions

Certificates for New Parts

Previous Operator Traceability

FAA REPAIR STATION RJ3R817L
EASA: DE.145.0001

Prepared By: Erika Yarrell

Erika Cole-
Yarrell
Stamp: (U724632)
Digitally signed by
Erika Cole-Yarrell
(U724632)
Date: 2022.10.14
14:24:34 -07'00'

Date: 10/14/2022



Landing Gear Maintenance Report

E145 RH MLG SIDE STRUT ASSY

Sales Order: 660041926	
Mfg P/N: 2309-3500-503	A/C: N48901
Mfg S/N: 482	MSN: 501
CPN: N/A	PO: RO-3180-145501

Evaluation Report and Airworthiness Release Certificate

1. Approving Civil Aviation Authority / Country FAA / United States		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, Airworthiness Approval Tag			3. Form Tracking Number: 158313	
4. Organization Name and Address: HAWKER PACIFIC AEROSPACE		Hawker Pacific Aerospace Repair Station No. RJ3R817L 11240 Sherman Way Sun Valley, CA. 91352			5. Work Order/Contract/Invoice No./P.O. #: 660041926 / / / RO-3180-145501	
6. Item	7. Description	8. Part Number	9. Quantity	10. Serial Number	11. Status/Work	
1	MAIN SIDE STRUT ASSY-LR	2309-3500-503	1	482	OVERHAULED	

12. Remarks: Life Details: TSN: 43019:27 CSN: 33578.00 TSO: ZERO CSO: ZERO

OVERHAULED IN ACCORDANCE WITH ELEB CMM 32-10-03 REV 16, DATED 29NOV2019
COMPLIED WITH ELEB-TD 2022-028296 DATED 09SEPT2022

SEE ATTACHMENTS FOR AD/SB STATUS AND LLP DATA .

13a. Certifies the items identified above were manufactured in conformity to: ☐ Approved design data and are in 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.: RJ3R817L
13d. Name:	13e. Date:	14d. Name: Robert Luna	14e. Date: (dd/mm/yyyy) 22.Oct.2022

USER / INSTALLER RESPONSIBILITIES

Note: 1). It is important to understand that the existence of the document 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 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.
 3) Statements 13a and 14a do not constitute installation certification. In all cases, 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.

Evaluation Report

HAWKER PACIFIC AEROSPACE

FAA Repair Station RJ3R817L



Hawker Pacific Aerospace
11240 Sherman Way
Sun Valley, CA. 91352 USA
Tel: (818) 765-6201
Fax: (818) 765-4158

Event: L-00528-RSS Sales Order: 660041926
Receipt Date: Aug 9, 2022
Customer: JSX
Customer P.O. RO-3180-145501
Urgency: Tail # N48901

Receiving Planner Work Order Information

Qty	P.O. Part Number	Description	Serial Number	Manufacturer	Eligibility
1	2309-3500-503	MAIN SIDE STRUT ASSY-LR	482	ELEB - EQUIPAMENTOS LTDA DO BRASIL	ERJ 140/145
Customer Reported Discrepancy			CSO	CSN	TSO
NONE			14563.00	33578.00	18241:02
Warranty			N/A		
Customer Instructions			OVERHAUL		
			TSN		
			43019:27		

Initial Evaluation Results

MAIN SIDE STRUT RECEIVED IN NORMAL WEAR CONDITION, NO REPORTS ON MISSING OR DAMAGED PARTS.
UNIT TO BE OVERHAULED IAW CMM.

Initial Test N/A

Repair Action Description

Work accomplished

OVERHAULED IN ACCORDANCE WITH ELEB CMM 32-10-03 REV 16, DATED 29NOV2019
COMPLIED WITH ELEB-TD 2022-028296 DATED 09SEPT2022

CSO: 00:00
TSO: 00:00

SEE ATTACHMENTS FOR AD/SB STATUS AND LLP DATA .

Repair Action Descr. created by	U588484	Print by:	U588484	Print at:	Oct 13, 2022
As shipped Part Number	2309-3500-503	S / N	482	Publication	32-10-03



Landing Gear Maintenance Report

E145 RH MLG SIDE STRUT ASSY

Sales Order: 660041926	
Mfg P/N: 2309-3500-503	A/C: N48901
Mfg S/N: 482	MSN: 501
CPN: N/A	PO: RO-3180-145501

Life Limit Report



LIFE LIMIT REPORT

EMB-145 RH MLG SIDE STRUT

Sales Order: 660041926			
Mfg P/N:	2309-3500-503	A/C:	N48901
Mfg S/N:	482	MSN:	501
CPN:	N/A	PO:	RO-3180-145501

AS RECEIVED BY HPA

MFG P/N	NOMENCLATURE	MFG S/N	SLL*	CSN	REMAINING SLL
2309-3500-503	MLG SIDE STRUT ASSY	482	UNLIMITED	33,578	N/A
2309-2510-505	LOWER MAIN SIDE STRUT ASSY	4800399-08	UNLIMITED	33,578	REPLACED
2309-2532-001	LOWER MAIN SIDE STRUT	OF3183512/09	60,000	33,578	26,422
2309-2502-501	UPPER MAIN SIDE STRUT ASSY	OF513189-4/08	UNLIMITED	33,578	N/A
2309-2524-001	UPPER MAIN SIDE STRUT	OF2028266/08	60,000	33,578	26,422
2309-3706-401	SIDE STRUT CARDAN ASSY	1313295/001	UNLIMITED	14,563	N/A
2309-3515-001	AXLE UPPER	OF3797507-02	60,000	33,578	26,422
2309-3516-001	PIVOT PIN	OF1806217/04	60,000	33,578	26,422

AS RELEASED BY HPA

MFG P/N	MFG S/N	CSN	REMAINING SLL	CSO	PREVIOUS OPERATOR
2309-3500-503	482	33,578	N/A	0	N48901
2309-2510-505	1895430/001	0	N/A	N/A	NEW
2309-2532-001	OF3183512/09	33,578	26,422	0	N48901
2309-2502-501	OF513189-4/08	33,578	N/A	0	N48901
2309-2524-001	OF2028266/08	33,578	26,422	0	N48901
2309-3706-401	1313295/001	14,563	N/A	0	N48901
2309-3515-001	OF3797507-02	33,578	26,422	0	N48901
2309-3516-001	OF1806217/04	33,578	26,422	0	N48901

*SAFE LIFE LIMITS (SLL) MRB-145/1150 Rev. 21 Dated 16-JUN-2020

Cumulative cycle information for each life limited component or assembly is provided by and recorded under the responsibility of the customer. Safe life limits have been reviewed and verified to approved and/or accepted data. Deviations from the technical publication's safe life limit may be reflected, as dictated by the customer.

Prepared By: Erika Yarrell Stamp: Erika Cole-Yarrell (U724632)

Erika Cole-Yarrell

Digitally signed by Erika Cole-Yarrell (U724632)
Date: 2022.10.14 14:24:49 -07'00'

Date: 10/14/2022

FAA REPAIR STATION RJ3R817L
EASA: DE.145.0001



Landing Gear Maintenance Report

E145 RH MLG SIDE STRUT ASSY

Sales Order: 660041926	
Mfg P/N: 2309-3500-503	A/C: N48901
Mfg S/N: 482	MSN: 501
CPN: N/A	PO: RO-3180-145501

Service Bulletin Report

Sales Order: 660041926			
Mfg P/N:	2309-3500-503	A/C:	N48901
Mfg S/N:	482	MSN:	501
CPN:	N/A	PO:	RO-3180-145501

Service Bulletin Report

E145 MLG MAIN SIDE STRUT ASSY

[illegible]

LEGEND:

PCW - PREVIOUSLY COMPLIED WITH

CW - COMPLIED WITH (THIS VISIT)

PARTIAL - PARTIALLY COMPLIED WITH

N/A - NOT ACCOMPLISHED

N/R - NOT REQUIRED

Prepared by: DANIEL AGUILAR Stamp: DLA2077

Date: 9/8/2022



Landing Gear Maintenance Report

E145 RH MLG SIDE STRUT ASSY

Sales Order: 660041926	
Mfg P/N: 2309-3500-503	A/C: N48901
Mfg S/N: 482	MSN: 501
CPN: N/A	PO: RO-3180-145501

Customer Purchase Order (PO, RO, SO)



Kingman Aviation
7100 Flightline Dr, ATTN: JSX REP
Kingman, AZ, 86401
Phone: 469-791-7344

Repair Order

Order No.
RO-3180-145501

Account No.

Date
05-Aug-2022



Return To Address

Kingman Aviation
7100 Flightline Dr
ATTN: JSX REP
Kingman
AZ
86401
US
Phone: 469-791-7344

Bill To Address

Kingman Aviation
1341 W. Mockingbird Lane
600E
Dallas
TX
75247
US
Phone: 469-791-7335
Email: accountspayable@jsx.com

Vendor / Ship To Address

Hawker Pacific Aerospace
11240 Sherman Wy
Sun Valley
CA
91352

Purchase Agent		Shipping Method	Terms	Order Type	Priority	Order Reason	
Christian Brand		WILL CALL		Repair Order	Scheduled Maintenance	Scheduled Or Unscheduled Maintenance	
Line	Item / Description	Serial No.	Transaction Type	Qty	UOM	Unit Cost	Ext. Cost
1	2309-3002-515 MLG LEG STRUT ELEB - Equipped Leg Strut	247	Overhaul	1	EA	USD	USD
2	2309-2005-007 MLG Shock Absorber Assy	1281	Overhaul	1	EA	USD	USD
3	2309-2600-505 MLG Secondary Side Strut Assy	618	Overhaul	1	EA	USD	USD
4	2309-3037-605 MLG LEG STRUT ELEB - Equipped Trailing Arm	OF-9597937-0	Overhaul	1	EA	USD	USD
5	2309-3002-516 MLG LEG STRUT ELEB - Equipped Leg Strut	247	Overhaul	1	EA	USD	USD
6	2309-2005-001 MLG Shock Absorber Assy	022	Overhaul	1	EA	USD	USD
7	2309-3500-503 MLG Main Side Strut Assembly	482	Overhaul	1	EA	USD	USD
8	2309-2600-507 MLG Secondary Side Strut Assy	903	Overhaul	1	EA	USD	USD
9	2309-3037-403 Trailing arm	OF493547-3101	Overhaul	1	EA	USD	USD
10	1170S0000-01 NLG LEG STRUT LIEBHERR - Assembly	00245	Overhaul	1	EA	USD	USD
11	1172C0000-02 Main Drag Strut Assy	SP649-01	Overhaul	1	EA	USD	USD
12	1173B0000-03 NLG AUXILIARY DRAG STRUT Liebherr - Auxiliary Drag Strut Assy	SP654-01	Overhaul	1	EA	USD	USD
13	2309-3500-503 MLG Main Side Strut Assembly	OF6988270-01	Overhaul	1	EA	USD	USD

Remarks: TOTAL GEAR COST \$ 246,453.00

Parts Total	USD 0.00
Taxes	USD 0.00
Freight	USD 0.00
Other	USD 0.00
Order Total	USD 0.00

Purchasing Agent	Authorized Signature	Date
Christian Brand		

Shipping Info:
WILL CALL

Order Info:
Aircraft: / SN:
Aircraft Model: EMB-145LR
Invoice No: 9140018430
WP No:



Kingman Aviation
7100 Flightline Dr, ATTN: JSX REP
Kingman, AZ, 86401
Phone: 469-791-7344

Repair Order

Order No.
RO-3180-145501

Account No.

Date
05-Aug-2022



Return To Address

Kingman Aviation
7100 Flightline Dr
ATTN: JSX REP
Kingman
AZ
86401
US
Phone: 469-791-7344

Bill To Address

Kingman Aviation
1341 W. Mockingbird Lane
600E
Dallas
TX
75247
US
Phone: 469-791-7335
Email: accountspayable@jsx.com

Vendor / Ship To Address

Hawker Pacific Aerospace
11240 Sherman Wy
Sun Valley
CA
91352

Purchase Agent

Christian Brand

Shipping Method

WILL CALL

Terms

Order Type

Repair Order

Priority

Scheduled
Maintenance
WO No:

Order Reason

Scheduled Or Unscheduled
Maintenance



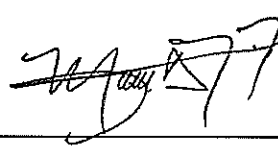
Landing Gear Maintenance Report

E145 RH MLG SIDE STRUT ASSY

Sales Order: 660041926	
Mfg P/N: 2309-3500-503	A/C: N48901
Mfg S/N: 482	MSN: 501
CPN: N/A	PO: RO-3180-145501

Concessions

IDR 37158**HAWKER PACIFIC
AEROSPACE****FAA Repair Station RJ3R817L
EASA: DE.145.0001**

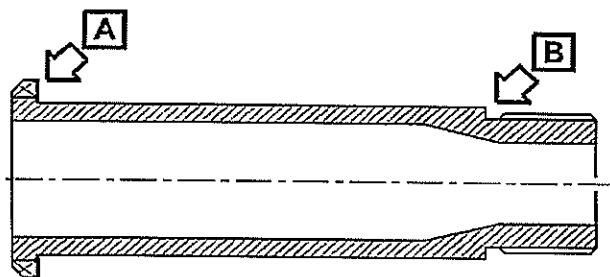
Part Data		Event Data	
Part Description	AXLE, CENTRAL	Repair Order	51681992
P/N	2309-3516-001:005TK	Event	L-00528-RSS
S/N	OF1806217/04	Sales Order	660041926
Customer S/N		Product (A/C Type)	ERJ-145
Detail P/N		Tail Sign	N48901
Detail S/N		Customer/Operator	101896 JSX
		Customer PO	RO-3180-145501
IDR Details		Additional Data	
IDR Status	CL - Closed	TSN	43019.45 FH
IDR Issue Date	19.Aug.2022	CSN	33578.00 CYC
IDR Close Date	20.Oct.2022	OEM Ref.	32-10-03
		OEM	ELEB
Discrepancy			
FLANGE FACE CORRODED			
OEM/DER Response			
ELEB-TD 2022-028296		Response date	09.Sep.2022
Customer Response			
CUSTOMER RESPONSE IS NOT REQUIRED FOR JSX		Response date	09.Sep.2022
Engineer / Signature	Date	Inspector / Signature	Date
	10/20/22		OCT 21 2022
	Stamp		Stamp
			

IDR 37158

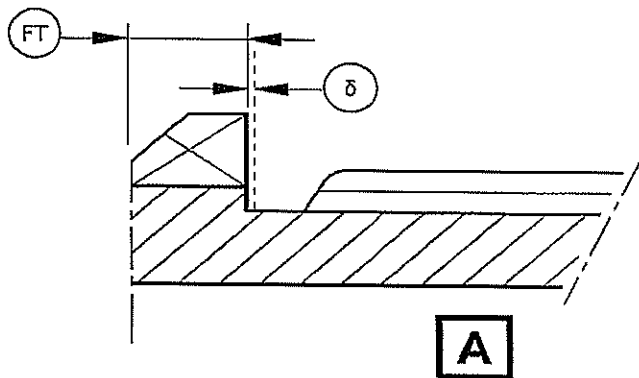
This Document holds no airworthiness approval and reference to OEM approval is required. The purpose of this document is for transmittal of engineering information within the Part 145 production facility only.

Inspection Discrepancy Report (IDR)

IDR Document No. 37158	Rev. No. 0	Date 9/8/2022	Sales Order No. 660041926	Work Order No. 51681992
Part Description CENTRAL AXLE	Part Number 2309-3516-001	Serial Number OF1806217/04	A/C Type ERJ-145	CMM 32-10-03
Detail Part Description N/A	Detail Part Number N/A	Detail Serial Number N/A	A/C Tail No. (MSN) N48901 (501)	
Description Subject part's flange face received with corrosion. Corrosion was removed. All other dimensions are within CMM limits.				
Proposed Resolution - Perform NDT to ensure defect-free condition. - Shot peen flange face per AMS2430. - Apply sulfamate nickel plate on flange face. - Complete repair and overhaul per CMM.				



REFERENCE #	FT	δ
Design Dim.	N/A	MATERIAL REMOVED
Repair Limit	NOT GIVEN	NOT GIVEN
As Received/ Post Rework	0.1690	0.0100



ALL DIMENSIONS ARE IN INCHES			
TODAY'S DATE:	9/8/2022	REPAIR CLASSIFICATION:	Minor
NEED BY/DUE DATE:	9/15/2022	SUBMITTED BY:	HPA Engineering
PART CSN:	33578.00	EMAIL:	eng.concessions@hawker.com
PART TSN:	43019:27	PHONE NUMBER:	+1 (818) 765-6201 x449

**ELEB****CUSTOMER
SUPPORT****ELEB Equipamentos Ltda.**

Rua Itabaiana, 40 – 12237-540 - São José dos Campos - SP – Brazil

Technical Disposition**ELEB-TD 2022-028296**

REV.: /

SUBJECT**EMB-145 MLG Main Side Strut Central Axle Repair****CONTACT**

To: Hawker Pacific Aerospace (HPA)
Phone: +1-818- 765-6201 x449
joshua.domantay@hawker.com

From: ELEB Customer Support Engineering
Phone: + 55 12 3935-5313/5456/5216
technicalsupport.eleb@embraer.com.br

IDENTIFICATION

Operator / Customer:	A/C:	A/C S/N / REG:	FH:	FC:
Delux Public Charter - JETSUITEX	EMB-145	145501 (N48901)	N/I	N/I
Part Number:	Part Number S/N:	FH:	FC:	Assembly (NHA) P/N / S/N
2309-3516-001	OF1806217/04	43019:27	33578.00	N/I

REPAIR DATA

Repair Classification: <i>(made by requester)</i>	Minor	Reference:	# B
Permanente Repair?	Yes	Limitation for temporary repair:	Not applicable

RULES

- The technical disposition contained in this document is based solely on the data explicitly reported by the Customer. As no other information was provided by the Customer, ELEB assumes that the area/structural component(s) related to this technical disposition did not have any other previous damage and/or repair incurred to it. Therefore, ELEB disclaims any and all responsibility for incorrect, inaccurate or incomplete information provided by the Customer related to this matter.
- In case of any conflict between this document and any mandatory requirements issued by the Local Regulatory Authority, including but not limited to Airworthiness Directives, the Local Regulatory Authority document/orientation shall prevail.
- The contents herein are intended for information only and do not constitute airworthiness release approval. Any such approval must be given by the owner or operator of the aircraft according to the local regulatory authority procedures.

REFERENCES

- # A: E-mail received from Mr. Josh Domantay on September 8, 2022;
- # B: Inspection Discrepant Report # IDR 37158;
- # C: CMM TP 145/1190_32-10-03;
- # D: Drawing 2309-3516 Rev. "/";
- # E: GSC-296/08 *(For internal reference only)*.

REVISION HISTORY

Rev. /: First issue.

This document was electronically signed by	Auster W. Silva (awsilva)	September 9, 2022	Page 1 of 3
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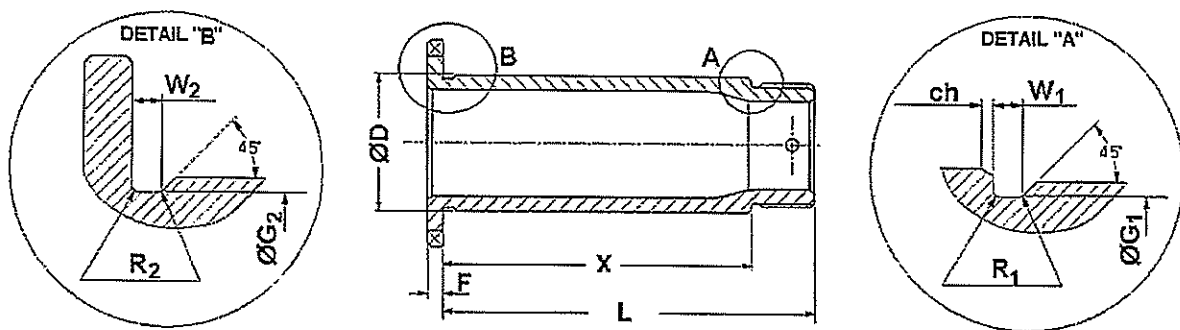
DESCRIPTION / REPORT / REQUEST

As per reported by HPA through reference # B:

"Subject part's flange face received with corrosion. Corrosion was removed. All other dimensions are within CMM limits

Proposed Resolution:

- Perform NDT to ensure defect-free condition. - Shot peen flange face per AMS2430.- Apply sulfamate nickel plate on flange face.- Complete repair and overhaul per CMM."



	Ø D	F	L	X
Repair	Not machined	(0.1690") 4.293 mm	Not informed	Not informed
Design Limit	38.036 to 38.075 mm (final diameter - After chrome plating)	4.5 ± 0.25 mm	106.15 mm (maximum)	87.5 ± 0.3 mm

	Groove Detail "A"				Groove Detail "B"		
	ØG ₁	R ₁	W ₁	ch	ØG ₂	R ₂	W ₂
Repair	Not machined	Not machined	Not machined	Not machined	Not machined	Not informed	Not informed
Design Limit	32.6 mm (minimum)	0.4 +0.4/ - 0 mm	2 ± 0.2 mm	1.5 ± 0.25 mm	37.897 mm (minimum)	0.4 ± 0.1 mm	4 mm maximum (After run out area)

Material removed from inner head face = 0.0100" (0.254 mm).

Technical Disposition

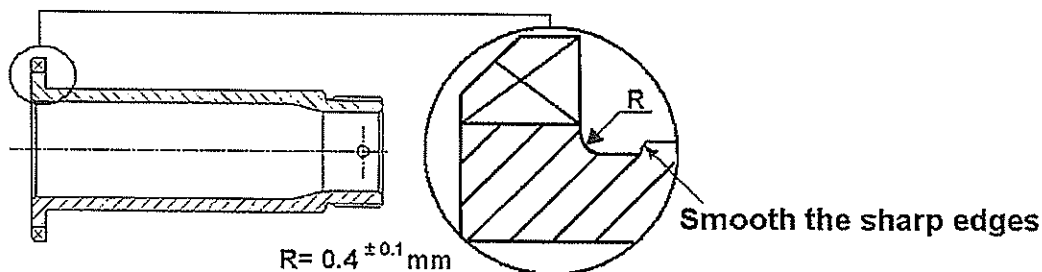
ELEB-TD 2022-028296

REV.: /

TECHNICAL DISPOSITION

Provided that procedure below is accomplished, ELEB agrees that this unit is structurally and functionally acceptable to return to service:

1. Make sure that the radius is within of the allowed dimension below in order to avoid stress concentration in this area:



2. Remove the sharp edges in the run out area;
3. Do the stress relief of the part at a temperature of $190^{\circ}\text{C} \pm 5^{\circ}\text{C}$ ($374^{\circ}\text{F} \pm 9^{\circ}\text{F}$) for 4 hours minimum, within 8 hours after the machining process is completed;
4. Perform a non destructive inspection in the repaired area according to CMM TP145/1190_32-10-03 section 501;
Note: Cracks and corrosion are not allowed;
5. If no cracks and corrosion are found, restore the remaining original surface treatment according to TP145/1190_32-10-03 section 601/table601;

REMARK:

If the hydrogen embrittlement relief (Refer to AMS 2759/9), required after the Cadmium Plating Restoration or/and Chrome Plating Restoration was done respecting the required delay time for the applicable process as per CMM specifications and the part was successfully approved by the NDT, it is not necessary to do the stress relief treatment (Step 3 above).

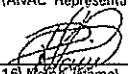


Landing Gear Maintenance Report

E145 RH MLG SIDE STRUT ASSY

Sales Order: 660041926	
Mfg P/N: 2309-3500-503	A/C: N48901
Mfg S/N: 482	MSN: 501
CPN: N/A	PO: RO-3180-145501

Certificates for New Parts

1 País (Country) BRASIL		2 Título (Title) AGÊNCIA NACIONAL DE AVIAÇÃO CIVIL (BRAZILIAN CIVIL AVIATION AUTHORITY) CERTIFICADO DE LIBERAÇÃO AUTORIZADA (AUTHORIZED RELEASE CERTIFICATE) ETIQUETA DE APROVAÇÃO DE AERONAVEGABILIDADE (AIRWORTHINESS APPROVAL TAG) FORMULÁRIO (FORM) F-100-01 (SEGVÃO 003)			3 Certificado No. (Certificate No./System tracking Ref.) 2003776856	
4 Empresa (nome e endereço) (Organization Name and Address) Embraer S.A. 276 S.W. 34th Street - Ft. Lauderdale, FL 33315 - COP E-7203-01				5 Ordem de Serviço/Contrato/Nota Fiscal (Work Order, Contract or Invoice) 0070986662		
6 Item (Item)	7 Descrição (Description)	8 Número da Peça (Part Number)	9 Quantidade (Quantity)	10 Número da Série/Lote (Serial/Batch Number)	11 Categoria/Trabalho (Status/Work)	
000001	MAIN LOWER SIDE STRUT, AS	2309-2510-505	1	1895430/001	NEW	
12 Observações (Remarks) Export. MAIN LOWER P/N 2309-2532-001 S/N 3030166 Doc. Ref.(Ref. Document): 0802608768 / 2022.						
Partes com vida limitada devem ser acompanhadas de histórico de manutenção incluindo tempo total/ciclo total/tempo desde que novo. (Limited life parts must be accompanied by maintenance history including total time/total cycles/time since new.)						
13 Certifica que o(s) item(s) acima identificado (s) foi (foram) fabricados (s) em conformidade aos: (Certifies that the item(s) identified above was (were) manufactured in conformity to:)			18 ☐ Retorno ao serviço de acordo com RBAC 43.9 (Return to service in accordance with RBAC 43.9) ☐ Outros regulamentos especificados no bloco 12 (Others regulations specified in block 12)			
☒ dados de projeto aprovados e está (ão) em condição segura de operação (approved design data and are in a condition for safe operation)			Certifica que, a menos especificado no bloco 12, o trabalho especificado no bloco 11, e descrito no bloco 12, foi executado de acordo com o Regulamento Brasileiro da Aviação Civil - RBAC 43 e, em relação ao trabalho realizado, a (s) peça (s) é (são) aprovada (s) para retorno ao serviço.			
☐ dados de projeto não aprovado especificados no bloco 12 (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, was accomplished in accordance with Brazilian Civil Aviation Regulations - RBAC 43 and in respect to the work performed the part(s) is (are) approved for return to service.)			
14 Assinatura do Representante da ANAC (ANAC Representative Signature) 		15 No. Autorização da ANAC (ANAC Authorization No.) DQI 2020-044 / COP E-7203-01		19 Pessoa Autorizada (Authorized Signature)		20 No. COM/COA (Certificate Number)
16 Nome (Name) Reginaldo L. Palm		17 Data (Date) 22JUL/2022		21 Nome (Name)		22 Data (Date)
* O INSTALADOR DEVE FAZER VERIFICAÇÃO CRUZADA DA APLICABILIDADE ATRAVÉS DOS DADOS TÉCNICOS APLICÁVEIS (INSTALLER MUST CROSS CHECK ELIGIBILITY WITH APPLICABLE TECHNICAL DATA) RESPONSABILIDADE DO USUÁRIO / INSTALADOR (USER / INSTALLER RESPONSIBILITY) É IMPORTANTE COMPREENDER QUE A EXISTÊNCIA DESTA DOCUMENTO POR SI SÓ NÃO CONSTITUI AUTOMATICAMENTE UMA AUTORIZAÇÃO PARA INSTALAR A PARTE/COMPONENTE/CONJUNTO. IT IS IMPORTANT TO UNDERSTAND THAT THE EXISTENCE OF THIS DOCUMENT ALONE DOES NOT AUTOMATICALLY CONSTITUTE AUTHORITY TO INSTALL THE PART/COMPONENT/ASSEMBLY. SE O TRABALHO DO USUÁRIO/INSTALADOR É REALIZADO DE ACORDO COM OS REGULAMENTOS NACIONAIS DE UMA AUTORIDADE DE AERONAVEGABILIDADE DIFERENTE DA AUTORIDADE DE AERONAVEGABILIDADE DO PAÍS ESPECIFICADO NO BLOCO 1, É ESSENCIAL QUE O USUÁRIO/INSTALADOR ASSEGURE QUE A SUA AUTORIDADE DE AERONAVEGABILIDADE ACEITA PARTES/COMPONENTES/CONJUNTOS DA AUTORIDADE DE AERONAVEGABILIDADE DO PAÍS ESPECIFICADO NO BLOCO 1. (WHERE THE USER/INSTALLER WORK IS PERFORMED 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.) AS DECLARAÇÕES NOS BLOCOS 13 E 18 NÃO CONSTITUEM UM CERTIFICADO DE INSTALAÇÃO. EM TODOS OS CASOS, OS REGISTROS DE MANUTENÇÃO DA AERONAVE DEVEM CONTER UM CERTIFICADO DE INSTALAÇÃO EMITIDO DE ACORDO COM REGULAMENTOS NACIONAIS PELO USUÁRIO/INSTALADOR ANTES QUE A AERONAVE POSSA SER LIBERADA PARA VOO. (STATEMENTS IN BLOCK 13 AND 18 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.)						



Landing Gear Maintenance Report

E145 RH MLG SIDE STRUT ASSY

Sales Order: 660041926	
Mfg P/N: 2309-3500-503	A/C: N48901
Mfg S/N: 482	MSN: 501
CPN: N/A	PO: RO-3180-145501

Previous Operator Traceability

P/N Detail Print

Print Date: 10/15/2020 18:17

Page: 1 of 3



AC:

N48901

Position: RH

■ P/N: 2309-3500-503

P/N S/N: 482

MAIN SIDE STRUT ASSY

Batch:

2178579

Control Items	Description
MLG SIDE STRUT REST	UNSCHED - T/C "MAIN GEAR REMOVE"

SCHEDULE				ACTUAL				REMAINING			STATUS
Hours	Cycles	Days	Date	Hours	Cycles	Days	Reset Date	Hours	Cycles	Days	
	20000	4380		6408:42	14563	1475	10/01/2016	0:00	5437	2905	OPEN
TSI				18241:02	14563	1475	10/01/2016	0:00	0	0	
TSN				43019:27	33578	1475	10/01/2016	0:00	0	0	

■ P/N: 2309-2502-501

P/N S/N: OF513189-4/08

MLG MAIN UPPER SIDE STRUT ASSY

Batch:

2177739

Control Items	Description
MLG SIDE STRUT REST	UNSCHED - T/C "MAIN GEAR REMOVE"

MLG UPPER MAIN SIDE STRUT	(LIFE LIMITED PART) UNSCHED - T/C "MAIN GEAR REMOVE"
---------------------------	--

TSI

TSN

SCHEDULE				ACTUAL			REMAINING			STATUS
Hours	Cycles	Days	Date	Hours	Cycles	Days	Hours	Cycles	Days	
	20000	4380		18241:14	14563	3231	0:00	5437	1149	OPEN
	60000			43019:39	33578	3231	0:00	26422	0	OPEN
				18241:14	14563	3231	0:00	0	0	
				43019:39	33578	3231	0:00	0	0	

■ P/N: 2309-2524-001

P/N S/N: OF2028266/08

MLG MAIN UPPER SIDE STRUT

Batch:

7574573

Control Items	Description
MLG UPPER MAIN SIDE STRUT	(LIFE LIMITED PART) UNSCHED - T/C "MAIN GEAR REMOVE"

TSI

TSN

SCHEDULE				ACTUAL			REMAINING			STATUS
Hours	Cycles	Days	Date	Hours	Cycles	Days	Hours	Cycles	Days	
	60000			43019:39	33578	3231	0:00	26422	0	OPEN
				18241:14	14563	3231	0:00	0	0	
				43019:39	33578	3231	0:00	0	0	

P/N Detail Print

Print Date: 10/15/2020 18:17

Page: 2 of 3



■ P/N: 2309-2510-505

P/N S/N: 4800399-08

Control Items	Description
MLG LOWER MAIN SIDE STRUT	(LIFE LIMITED PART) UNSCHED - T/C "MAIN GEAR R/R"
MLG SIDE STRUT REST	UNSCHED - T/C "MAIN GEAR REMOVE"
TSI	
TSN	

MLG MAIN LOWER SIDE STRUT ASSY

Batch: 2180996

SCHEDULE				ACTUAL			REMAINING			STATUS
Hours	Cycles	Days	Date	Hours	Cycles	Days	Hours	Cycles	Days	
	60000			6408:42	33578	1475	0:00	26422	0	OPEN
	20000	4380		10428:38	8416	2101	0:00	11584	2279	OPEN
				43019:27	33578	1475	0:00	0	0	
				43019:27	33578	1475	0:00	0	0	

■ P/N: 2309-2532-001

P/N S/N: OF3183512/09

Control Items	Description
MLG LOWER MAIN SIDE STRUT	(LIFE LIMITED PART) UNSCHED - T/C "MAIN GEAR R/R"
TSI	
TSN	

MLG MAIN LOWER SIDE STRUT

Batch: 7578597

SCHEDULE				ACTUAL			REMAINING			STATUS
Hours	Cycles	Days	Date	Hours	Cycles	Days	Hours	Cycles	Days	
	60000			10428:38	8416	2101	0:00	51584	0	OPEN
				43019:27	33578	3230	0:00	0	0	
				43019:27	33578	3230	0:00	0	0	

■ P/N: 2309-3515-001

P/N S/N: OF3797507-02

Control Items	Description
MLG MAIN SIDE STRUT SHAFT	(LIFE LIMITED PART) UNSCHED - T/C "MAIN GEAR REMOVE"
TSI	
TSN	
UPRAXL LIFE35K	UNSCHED - T/C "MAIN GEAR REMOVE"

SHAFT, MLG SIDE STRUT

Batch: 2181387

SCHEDULE				ACTUAL			REMAINING			STATUS
Hours	Cycles	Days	Date	Hours	Cycles	Days	Hours	Cycles	Days	
	60000			6408:42	33578	1475	0:00	26422	0	OPEN
				43019:27	33578	1475	0:00	0	0	
				43019:27	33578	1475	0:00	0	0	
				0:00	0	0				TERMINATED

■ P/N: 2309-3516-001

P/N S/N: 1806217/04

Control Items	Description
MLG MAIN SIDE STRUT PIVOT PIN	(LIFE LIMITED PART) UNSCHED - T/C "MAIN GEAR REMOVE"
TSI	
TSN	

PIVOT PIN, MLG MAIN SIDE STRUT

Batch: 2179300

SCHEDULE				ACTUAL			REMAINING			STATUS
Hours	Cycles	Days	Date	Hours	Cycles	Days	Hours	Cycles	Days	
	60000			6408:42	33578	1475	0:00	26422	0	OPEN
				43019:27	33578	1475	0:00	0	0	
				43019:27	33578	1475	0:00	0	0	

P/N Detail Print

Print Date: 10/15/2020 18:17

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■ P/N: 2309-3706-401

P/N S/N: 1313295/001

CARDAN ASSY, MLG MAIN SIDE STRUT

Batch:

2332671

Control Items Description

TSI

TSN

SCHEDULE				ACTUAL			REMAINING			STATUS
Hours	Cycles	Days	Date	Hours	Cycles	Days	Hours	Cycles	Days	
				18241:02	14563	1475	0:00	0	0	
				18241:02	14563	1475	0:00	0	0	

CUSTOMER: JSX

PART NUMBER: 2309-3500-503

SERIAL NUMBER: 482

Assembly CSN: N/A

Assembly CSO: N/A

Date of Last Overhaul: N/A

Date Removed: N/A

Sub Part details

Part No received	Nomenclature	Actual Serial Number from records	Life Limit	CSN	Cy Rem
2309-2515-001	Shaft		60,000		
2309-3515-001	Shaft		60,000		
2309-2524-001	Upper Main Side		60,000		
2309-2532-001	Lower Main Side		60,000		
2309-3516-001	Pivot Pin	OF1806217/04	60,000	33,578	26,422
2309-3516-001	Pivot Pin		60,000		

Customer Name Signature James Weaver

Customer Title Chief Inspector

Date Created 10/11/2022

ExpressJet

PARTS RECORD AND CONTROL TAG

FORM M-502 00408
(02/06)

✓ SERVICEABLE RECORD		✓ REMOVAL RECORD			
P/N ON <u>2309-3002-516</u>	S/N ON <u>277</u>	P/N OFF <u>2309-3002-516</u>	S/N OFF <u>266</u>		DATE <u>12-12-11</u>
DESCRIPTION <u>HLG stnt Assy</u>		LOGPAGE <u>2945670</u>		FLT <u>4269</u>	
TSO/CSO <u>0</u>		TAIL NO. <u>48901</u>		POSITION <u>RT</u>	
PO/RO NUMBER <u>RE 1118110020</u>		WORK ORDER <u>211518</u>		APU SERIAL NUMBER ENGINE SERIAL NUMBER	
CONDITION ☐ NEW ☒ OVERHAUL ☐ REPAIR ☐ CONT. TIME ☐ ROBBED FROM _____ POSITION _____ OTHER <u>CLW NO 211518</u>		☒ REPLACED ☐ REMOVED ONLY ☐ TROUBLESHOOTING ☐ INSTALLED ONLY REASON <u>T/L</u>			
SHELF LIFE ☒ YES ☐ NO EXPIRES <u>5/12/14</u>		ENTERED IN AURA ☒ YES ☐ NO BY <u>T/L</u>			
INSPECTED BY <u>HL</u>	EMP NO <u>703055</u>	DATE <u>11/22/11</u>	MECHANIC INITIALS <u>T/L</u>	EMP NO. <u>7031691</u>	STA <u>ZAH</u>
			DATE <u>12-12-11</u>		

2.7.12.100

Yellow Copy - Records

White Copy - Records

Green Copy - Attached to Removed Part

1. Approving National Aviation Authority/Country: FAA/United States		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG				3. Form Tracking Number: 20123664	
4. Organization Name and Address: Hawker Pacific Aerospace Repair Station No. RJ3R817L 11240 Sherman Way Sun Valley, CA. 91352						5. Work Order/Contract/Invoice Number: XL8564	
6. Item:	7. Description:	8. Part Number:	9. Eligibility:*	10. Quantity:	11. Serial/Batch Number:	12. Status/Work:	
1	RH LEG STRUT ASSY-LR	2309-3002-516	N/A	1.0	247	OVERHAULED	
13. Remarks: PO# RO1010110028 (SEE ATTACHED DOCUMENTATION) CSN:19,010.00 CSO/TSO:ZERO OVERHAULED IAW ELEC CMM CHAPTER 32-10-01 REV. 19 DATED 30SEP2010 AND EC 3200-01006 REV. L DATED 21JUL2010. COMPLIED WITH ELEC TECHNICAL DISPOSITIONS STQ-725/11 DATED 01NOV2011 (HPA IDR 15158) AND STQ-738/11 DATED 04NOV2011 (HPA IDR 15166). POST MOD: H INCLUDES : INSPECTED & TESTED SHOCK ABSORBER ASSY P/N: 2309-2005-003 S/N: 303 CSN:19,312.00 (TIME CONTINUED) POST MODS: B & C PREVIOUSLY OVERHAULED UNDER HPA WO# L08468 (PO#: RO0317080167). MLG TRAILING ARM EQUIP P/N: 2309-3037-403 S/N: OF493547-3/01 SEE LIFE LIMIT REPORT FOR PROCURABLE AND NON-PROCURABLE LIFE LIMITED COMPONENTS. 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.145.4518.							
14. 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 13.				19. ☒ 14 CFR 43.9 Return to Service ☒ 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 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.:	
				HPI 41 <i>Ariel Go</i>		RJ3R817L	
17. Name (Typed or Printed):		18. Date(m/d/y):		22. Name (Typed or Printed):		23. Date(m/d/y):	
				ARIEL GO		Nov/14/2011	
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.							

HAWKER PACIFIC AEROSPACE

11240 Sherman Way
Sun Valley, CA 91352
USA
TEL (818) 765-6201
FAX (818) 765-8073

FAA REPAIR STATION
RJ3R817L

- FINAL -

WORK ORDER #	XL8564
RECEIPT DATE	10/13/2011
CUSTOMER	EXPRESSJET AIRLINES
CUSTOMER P.O.	RO1010110028
URGENCY	NORMAL
TAIL#	906

RECEIVING PLANNER WORK ORDER INFORMATION						
QTY	P.O. PART NUMBER	DESCRIPTION				SERIAL NUMBER
1	2309-3002-516	RH LEG STRUT ASSY LR				247
MANUFACTURER		CSO	CSN	TSO	TSN	AIRCRAFT TYPE
EMBRAER		19010.00	19010.00	24773:17	24773:17	EMBRAER EMB-145 (ERJ)
COND AS RECV IN REC DEPT						
CUSTOMER REPORTED DISCREP		NONE				
DATE OF LAST REP / OH		REF. WO:				
WARRANTY		N/A				
CUSTOMER INSTRUCTIONS		OVERHAUL ACN 906 ACN 906				

INITIAL EVALUATION RESULTS	
RECEIVED MAIN LANDING GEAR IN FAIR CONDITION. PLEASE SEE ATTACHED DOCUMENTS FOR LIST OF NON-REPAIRABLE PARTS (NRP), NOT RECEIVED COMPONENTS, AND PARTS REQUIRING OEM CONCESSIONS (IDR). ALL OTHER COMPONENTS ARE WITHIN CMM LIMITS. UNIT WILL BE OVERHAULED IN ACCORDANCE WITH ELEB CMM 32-10-01 AND EC 3200-01006.	
INITIAL TEST	Not Applicable

REPAIR ACTION DESCRIPTION			
WORK ACCOMPLISHED			
OVERHAULED IN ACCORDANCE WITH ELEB CMM 32-10-01 REV 19, DATED 30SEP2010. AND EC 3200-01006 REV L, DATED 21JUL2010.			
COMPLIED WITH ELEB TECHNICAL DISPOSITIONS: STQ-725/11 DATED 01NOV2011 STQ-738/11 DATED 04NOV2011			
CSO: ZERO TSO: ZERO POST MOD: H			
INCLUDES: INSPECTED & TESTED SHOCK ABSORBER P/N 2309-2005-003, S/N 303 CSN:19,312 (TIME CONTINUED) MOD LETTERS: B, C MLG TRAILING ARM EQUIP P/N 2309-3037-403, S/N OF493547-3/D1			
SEE LIFE LIMIT REPORT FOR PROCURABLE AND NON-PROCURABLE LIFE LIMITED COMPONENTS. MBS 12NOV2011			
AS SHIPPED PART NUMBER	2309-3002-516	S/N	247
UNIT EXCHANGED FOR P/N	N/A	S/N	N/A
PUBLICATION		ELEB CMM 32-10-01	
W.O.#		N/A	
DATE			
Signature - Certificated Mechanic/Supervisor:		Cert #:	3240079
Signature - Certificated Inspector:		Cert #:	3500323
		Date:	NOV 14 2011
		Date:	NOV 14 2011

LIFE LIMIT REPORT

11240 SHERMAN WAY
SUN VALLEY, CA 91352

HAWKER PACIFIC
AEROSPACE

FAA REPAIR STATION

RJ3R817L

PAGE 1 OF 1

REMOVAL

A/C #: 906 POS: R MLG

DATE: Oct-11 REASON: OVH

HPA WO#: XL8564

CUST PO#: RO1010110028

CUST P/N: N/A

MFG P/N: 2309-3002-516

MFG S/N: 247

INSTALL

A/C #:

ELIGIBILITY: EMB-145

DATE: Nov-11

MAIN GEAR LEG ASSY

SAFE LIFE LIMITS: MRB-145/1150 Rev. 14 Dated 12-Dec-09, and TR 10-5, 10-6, 10-7, 10-8, 11-1, 12-1

AS RECEIVED BY HPA

DWG REF #	MFG PN	NOMENCLATURE	MFG SN	SAFE LIFE LIMITS	CYCLES SINCE NEW	REMAINING SAFE LIFE
***	2309-3002-516	MAIN LANDING GEAR	247	UNLIMITED	19,010	N/A
A2-2	2309-3014-504 2309-3006-502	LEG STRUT ASSY LEG STRUT	OF4934441-01 OF436449-8/01	60,000	19,010	40,990
A2-3	2309-3025-001	TRUNNION AXLE	OF3288625-05	60,000	19,010	40,990
A2-3	2309-3025-001	TRUNNION AXLE	OF3288625-02	60,000	19,010	REPLACED
+++	2309-2027-005	ACTUATOR ATTACH AXLE*	OF1770589/03	UNLIMITED	19,010	N/A
A2-3	2309-2029-001	SHOCK ATTACH AXLE	1082476/004	60,000	9,625	50,375
A2-3	2309-2029-001	SHOCK ATTACH AXLE	OF132102-9/10	60,000	18,991	41,009
A2-3	2309-3032-003	SIDE STRUT ATTACH AXLE	OF3142677-02	60,000	19,010	40,990
A2-3/A2-4	2309-3055-002	TRAILING ARM AXLE	OF314222701	60,000	19,010	40,990
A2-4	2309-3037-401 2309-3009-503	TRAILING ARM EQUIP TRAILING ARM	OF493547-3/01 OF4212865/01	40,000	19,010	20,990
A2-5	2309-3040-001	WHEEL AXLE	OF4169355-01	60,000	19,010	40,990
A2-6	2309-2050-003	PIVOT	1066210/015	60,000	9,626	50,374
A2-6	2309-2041-401 2309-2048-005	CARDAN ASSY CARDAN	1114245/001 1102435/001	48,948	9,630	39,318
***	2309-2005-003	SHOCK ABSORBER	303	UNLIMITED	19,312	N/A
A2-6	2309-2057-003 2309-2058-001	PISTON TUBE ASSY PISTON TUBE	7641033/02 OF6501022-02	60,000	21,634	38,366
A2-6	2309-2064-001 2309-2056-001	CYLINDER ASSY CYLINDER	0686377/01 OF9527069-01	60,000	19,312	40,688
A2-6	2309-2082-001	BEARING CAP	OF1796373/03	60,000	19,312	40,688

* Part deleted in EMB-145 MRB report based on RBHA/FAR/JAR 23.571

AS RELEASED BY HPA

MFG PN	MFG SN	CYCLES SINCE NEW	REMAINING SAFE LIFE	CYCLES SINCE OVH	PREVIOUS OPERATOR
2309-3002-516	✓ 247	19,010	N/A	0	A/C 906
2309-3014-602	✓ OF4934441-01	19,010	40,990	0	A/C 906
2309-3006-602	✓ OF436449-8/01	19,010	40,990	0	A/C 906
2309-3025-001	OF3288625-05	19,010	40,990	0	A/C 906
2309-3025-001	OF5218987-12	18,934	41,066	0	A/C 991
2309-2027-005	OF1770589/03	19,010	N/A	0	A/C 906
2309-2029-001	1082476/004	9,625	50,375	0	A/C 906
2309-2029-001	OF132102-9/10	18,991	41,009	0	A/C 906
2309-3032-005	OF3142677-02	19,010	40,990	0	A/C 906
2309-3055-002	OF314222701	19,010	40,990	0	A/C 906
2309-3037-403	OF493547-3/01	19,010	20,990	0	A/C 906
2309-3009-507	OF4212865/01	19,010	20,990	0	A/C 906
2309-3040-001	OF4169355-01	19,010	40,990	0	A/C 906
2309-2050-003	1066210/015	9,626	50,374	0	A/C 906
2309-2041-401	1114245/001	9,630	39,318	0	A/C 906
2309-2048-005	1102435/001	9,630	39,318	0	A/C 906
2309-2005-003	✓ 303	19,312	N/A	5,314	A/C 906
2309-2057-003	7641033/02	21,634	38,366	5,314	A/C 906
2309-2058-001	OF6501022-02	19,312	40,688	5,314	A/C 906
2309-2064-001	0686377/01	19,312	40,688	5,314	A/C 906
2309-2056-001	OF9527069-01	19,312	40,688	5,314	A/C 906
2309-2082-001	✓ OF1796373/03	19,312	40,688	5,314	A/C 906

PREPARED BY:

DATE:

NOV 12 2011

ENG REPRESENTATIVE:

DATE:

NOV 12 2011

QC REPRESENTATIVE:

DATE:

NOV 14 2011

SAFE LIFE LIMITS HAVE BEEN REVIEWED AND VERIFIED TO APPROVED AND/OR ACCEPTED DATA.

CUMULATIVE CYCLE INFORMATION FOR EACH LIFE LIMITED COMPONENT OR ASSEMBLY

IS PROVIDED BY THE CUSTOMER. DOCUMENTATION IS RETAINED ON FILE AT THIS REPAIR FACILITY.

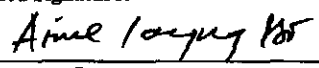
XL8564 OFF 906

HOURS TSN	CYCLES TSN	HOURS TSO	CYCLES TSO	HRS THIS INSTL	CYC THIS INSTL
24,773.17	19,010	24,773.17	19,010	24,773.17	19,010

PART NUMBER	PART DESCRIPTION	SERIAL	CSI	CSN	CSO	TSI	TSN	TSO
2309-3025-001	TRUNNION AXLE, MLG	OF3288625-05	19,010	19,010	19,010	24,773.17	24,773.17	24,773.17
		In XJT System as SN 3288625/05 -- will need SN change upon return.						
2309-2057-003	PISTON TUBE ASSY	7641033/02	5,314	21,634	5,314	6,852.57	29,970.64	6,852.57
2309-2029-001	AXLE, MLG SHOCK ABSORBER ATTACH	1082476/004	9,625	9,625	9,625	12,721.35	12,721.35	12,721.35
2309-2005-003	SHOCK ABSORBER ASSY.	303	5,314	19,312	5,314	6,852.57	21,898.17	6,852.57
2309-3014-504	LEG STRUCTURE	OF4934441-01	19,010	19,010	19,010	24,773.17	24,773.17	24,773.17
		▲ In XJT System as Clean PN 2309-3006-502 SN 4364498/01 -- will need PN/SN change upon return.						
2309-2082-001	BEARING CAP, SHOCK ABSORBER	OF1796373/03	5,314	19,312	5,314	6,852.57	21,898.17	6,852.57
2309-2064-001	CYLINDER ASSY, MLG	0686377/01	5,314	19,312	5,314	6,852.57	21,898.17	6,852.57
2309-3055-002	AXLE, TRAILING ARM, RH	OF314222701	19,010	19,010	19,010	24,773.17	24,773.17	24,773.17
		In XJT System as SN 3142227/01 -- will need SN change upon return.						
2309-3040-001	AXLE, WHEEL	OF4169355-01	19,010	19,010	19,010	24,773.17	24,773.17	24,773.17
		In XJT System as SN 4169355/01 -- will need SN change upon return.						
2309-2029-001	AXLE, MLG SHOCK ABSORBER ATTACH	OF132102-9/10	18,991	18,991	18,991	24,749.45	24,749.45	24,749.45
		In XJT System as SN 1321029/10 -- will need SN change upon return.						
2309-3032-003	MAIN SIDE STRUT ATTACHMENT AXLE	OF3142677-02	19,010	19,010	19,010	24,773.17	24,773.17	24,773.17
		In XJT System as SN 3142677/02 -- will need SN change upon return.						
2309-3037-401	TRAILING ARM	OF493547-3/01	19,010	19,010	19,010	24,773.17	24,773.17	24,773.17
		▲ In XJT System as PN 2309-3037-501 SN 4212865/01 -- will need PN/SN change upon return.						
2309-2041-401	CARDIN JOINT, ASSY	1114245/001	9,630	9,630	9,630	12,727.26	12,727.26	12,727.26
2309-2050-003	AXLE, CARDAN	1066210/015	9,626	9,626	9,626	12,722.52	12,722.52	12,722.52
2309-3025-001	TRUNNION AXLE, MLG	OF3288625-02	19,010	19,010	19,010	24,773.17	24,773.17	24,773.17
		In XJT System as SN 3288625/02 -- will need SN change upon return.						
2309-2027-005	ACTUATOR ATTACHMENT AXLE	OF1770589/03	19,010	19,010	19,010	24,773.17	24,773.17	24,773.17
		In XJT System as SN 1770589/03 -- will need SN change upon return.						

FAA REPAIR STATION
RJ3R817L
PAGE 1 of 1

MFG S/N: 247

1. Approving National Aviation Authority/Country: FAA/United States		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG				3. Form Tracking Number: 20123658	
4. Organization Name and Address: Hawker Pacific Aerospace Repair Station No. RJ3R817L 11240 Sherman Way Sun Valley, CA. 91352						5. Work Order/Contract/Invoice Number: XL7533-909	
6. Item:	7. Description:	8. Part Number:	9. Eligibility:	10. Quantity:	11. Serial/Batch Number:	12. Status/Work:	
1	TRUNNION AXLE LR/KR	2309-3025-001	N/A	1.0	OF5218987-12	OVERHAULED	
13. Remarks: COMPLETION DATE: 6/27/2011 (REF. PO # : RO1212100070) CSN:18,934.00 CSO/TSO:ZERO OVERHAULED IAW ELEC CMM CHAPTER 32-10-01 REV. 18 DATED 28FEB2010 AND EC 3200-01006 REV. K DATED 20OCT2009. COMPLIED-WITH ELEC TECHNICAL DISPOSITION STQ-095 / 11 DATED 18FEB2011 (HPA IDR 13582). PREVIOUS OPERATOR: EXPRESSJET AIRLINES (A/C: 991) 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.145.4518.							
14. 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 13.				19. ☒ 14 CFR 43.9 Return to Service ☒ 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 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.:	
				 HPI 41		RJ3R817L	
17. Name (Typed or Printed):		18. Date(m/d/y):		22. Name (Typed or Printed):		23. Date(m/d/y):	
				ARIEL GO		Nov/12/2011	
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.							

EXPRESS JET

XL7533 OFF 991

P/N: 2309-3002-513 SERIAL: 136

HOURS TSN	CYCLES TSN	HOURS TSO	CYCLES TSO	HRS THIS INSTL	CYC THIS INSTL
25,292.71	18,934	25,292.71	18,934	25,292.71	18,934

PART NUMBER	PART DESCRIPTION	SERIAL	CSI	CSN	CSO	TSI	TSN	TSO
2309-3014-501	LEG STRUCTURE, EQUIPED (LH)	OF-6066119/01	18,934	18,934	18,934	25,292.71	25,292.71	25,292.71
2309-3025-001	TRUNNION AXLE, MLG	OF5218987-02	18,934	18,934	18,934	25,292.71	25,292.71	25,292.71
2309-3037-401	TRAILING ARM	OF6291695/01	18,934	18,934	18,934	25,292.71	25,292.71	25,292.71
2309-2050-003	AXLE, CARDAN	2639548/32	1,332	17,308	1,332	1,738.00	22,958.03	1,738.00
2309-2005-007	SHOCK ABSORBER ASSY	1059	7,101	16,541	16,541	9,764.89	21,881.05	21,881.05
2309-2082-001	BEARING CAP, SHOCK ABSORBER	OF1794581/05	7,101	16,541	16,541	9,764.89	21,881.05	21,881.05
2309-2064-005	CYLINDER ASSY, MLG	OF4930245/01	7,101	16,541	16,541	9,764.89	21,881.05	21,881.05
2309-2057-003	PISTON TUBE ASSY	OF493697-2/02	7,101	16,541	16,541	9,764.89	21,881.05	21,881.05
2309-2029-001	AXLE, MLG SHOCK ABSORBER ATTACH	OF3889059/23	18,558	18,558	18,558	24,818.24	24,818.24	24,818.24
2309-3025-001	TRUNNION AXLE, MLG	OF5218987-12	18,934	18,934	18,934	25,292.71	25,292.71	25,292.71
2309-3032-003	MAIN SIDE STRUT ATTACHMENT AXLE	30458765/02	13,326	13,326	13,326	17,678.31	17,678.31	17,678.31
2309-3055-001	AXLE, TRAILING ARM, LH	OF5251208-02	18,934	18,934	18,934	25,292.71	25,292.71	25,292.71
2309-3040-001	AXLE, WHEEL	OF4715467-01	18,934	18,934	18,934	25,292.71	25,292.71	25,292.71
2309-2041-401	CARDIN JOINT, ASSY	OF5965128/01	18,934	18,934	18,934	25,292.71	25,292.71	25,292.71
2309-2029-001	AXLE, MLG SHOCK ABSORBER ATTACH	OF3889059/30	18,558	18,558	18,558	24,818.24	24,818.24	24,818.24
2309-2027-005	ACTUATOR ATTACHMENT AXLE	OF126701-7/18	18,934	18,934	18,934	25,292.71	25,292.71	25,292.71

ExpressJet WORK ORDER				DATE 11/18/11		WO SEQ. 211518		
DESCRIPTION MLG ASSEMBLY			STATION IAH		RO# RE1118110020		SHOP IAH	
ACFT REMOVED FROM: N/A			DATE RMVD N/A		POSITION REMOVED FROM: N/A			
MFGR'S P.N. 2309-3002-516		S.N. 247						
TSN	TSO	TSR	CSN	CSO	CSR			
REASON REMOVED: N/A								
REQUIRED ACTION		B/C	REPAIR	✓	OH	MOD	MOD STATUS	
REQUIRED PROCESS		DETAILED REPORT				TECHNICIAN		MAN/HR.
INCOMING COND.						RP7031570		4
MISSING WHEEL SPEED TRANSDUCER HARNESS								
REPAIR ACCOMPL.						RP7031570		4
Installed wheel-speed transducer harness in ref. with EMB-145 AMM 32-00-03, AMM 32-10-01, and AMM 32-41-03. RP7031570								
CALIBRATION & BENCH CHK								
PARTS USED								
QTY	P.N.	DESCRIPTION		QTY	P.N.	DESCRIPTION		
1	145-21590-405	harness						
I hereby certify that the items, parts and components as detailed above have been repaired, overhauled, modified, checked and tested in accordance with the instructions as specified above.				I hereby certify that the items or material covered by this document have been inspected and tested and conform to the approved specification relative thereto and are airworthy. This is substantiated either by my own inspection and test or by satisfactory documentary evidence from the original source of supply.				
				DATE 11 / 18 / 11 SIGNED H. G. R. QCH29				
TECHNICIAN RP 7031570				DATE 11-18-11				
				APPROVED SIGNATURE				



Landing Gear Maintenance Report

E145 RH MLG SECONDARY SIDE STRUT ASSY

Customer Documentation Package

Evaluation Report and Airworthiness Release Certificate

Life Limit Report

Service Bulletin Report

Customer Purchase Order (PO, RO, SO)

Concessions

Certificates for New Parts

Certificates for Replaced Parts (with Traceability)

Previous Operator Traceability

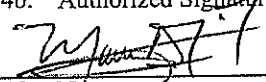
Sales Order: 660041928	
Mfg P/N: 2309-2600-507	A/C: N48901
Mfg S/N: 903	MSN: 501
CPN: N/A	PO: RO-3180-145501

FAA REPAIR STATION RJ3R817L
EASA: DE.145.0001

Prepared By: Erika Yarrell

Date: 10/20/2022

Erika Cole-
Yarrell
Stamp: (U724632)
Digitally signed by
Erika Cole-Yarrell
(U724632)
Date: 2022.10.20
11:21:50 -07'00'

1. Approving Civil Aviation Authority / Country FAA / United States		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, Airworthiness Approval Tag				3. Form Tracking Number: 158314	
4. Organization Name and Address:		HAWKER PACIFIC AEROSPACE  Hawker Pacific Aerospace Repair Station No. RJ3R817L 11240 Sherman Way Sun Valley, CA. 91352				5. Work Order/Contract/Invoice No./P.O.: 660041928 / 51678783 / / RO-3180-145501	
6. Item	7. Description	8. Part Number	9. Quantity	10. Serial Number	11. Status/Work		
1	SECONDARY SIDE STRUT ASSY	2309-2600-507	1	903	OVERHAULED		
12. Remarks: Life Details: TSN: 42124:46 CSN: 32863.00 TSO: ZERO CSO: ZERO OVERHAULED IN ACCORDANCE WITH ELEB CMM 32-10-04 REV 12, DATED 30AUG2015 SEE ATTACHMENTS FOR AD/SB STATUS AND LLP DATA							
13a. Certifies the items identified above were manufactured in conformity to: ☐ Approved design data and are in 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.:	
				 		RJ3R817L	
13d. Name:		13e. Date:		14d. Name: Manuel Donan		14e. Date: (dd/mm/yyyy) 22.Oct.2022	
USER / INSTALLER RESPONSIBILITIES							
Note: 1). It is important to understand that the existence of the document 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 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. 3) Statements 13a and 14a do not constitute installation certification. In all cases, 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.							

Evaluation Report

HAWKER PACIFIC AEROSPACE

FAA Repair Station RJ3R817L



Hawker Pacific Aerospace
11240 Sherman Way
Sun Valley, CA. 91352 USA
Tel: (818) 765-6201
Fax: (818) 765-4158

Event: L-00528-SSS Sales Order: 660041928
Customer: JSX Receipt Date: Aug 9, 2022
Customer P.O. RO-3180-145501
Urgency: Tail # N48901

Receiving Planner Work Order Information

Qty	P.O. Part Number	Description	Serial Number	Manufacturer		Eligibility
1	2309-2600-507	SECONDARY SIDE STRUT ASSY	903	ELEB - EQUIPAMENTOS LTDA DO BRASIL		ERJ 140/145
Customer Reported Discrepancy			CSO	CSN	TSO	TSN
NONE			14563.00	32863.00	18241:02	42124:46
Warranty	N/A					
Customer Instructions	OVERHAUL					

Initial Evaluation Results

UNIT RECEIVED IN NORMAL WEAR CONDITION OVERHAUL IAW CMM.

Initial Test

Repair Action Description

Work accomplished

OVERHAULED IN ACCORDANCE WITH ELEB CMM 32-10-04 REV 12, DATED 30AUG2015
COMPLIED WITH ELEB-TD 2022-027336 DATED 31AUG2022

CSO: 00:00
TSO: 00:00

SEE ATTACHMENTS FOR AD/SB STATUS AND LLP DATA

Repair Action Descr. created by	U588484	Print by:	U588484	Print at:	Oct 18, 2022
As shipped Part Number	2309-2600-507	S / N	903	Publication	32-10-04

1. Approving Civil Aviation Authority / Country FAA / United States	2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, Airworthiness Approval Tag	3. Form Tracking Number: 158314			
4. Organization Name and Address:  HAWKER PACIFIC AEROSPACE Hawker Pacific Aerospace Repair Station No. RJ3R817L 11240 Sherman Way Sun Valley, CA. 91352		5. Work Order/Contract/Invoice No./P.O.: 660041928 / 51678783 / / RO-3180-145501			
6. Item	7. Description	8. Part Number	9. Quantity	10. Serial Number	11. Status/Work
1	SECONDARY SIDE STRUT ASSY	2309-2600-507	1	903	OVERHAULED
12. Remarks: Life Details: TSN: 42124:46 CSN: 32863.00 TSO: ZERO CSO: ZERO OVERHAULED IN ACCORDANCE WITH ELEB CMM 32-10-04 REV 12, DATED 30AUG2015 SEE ATTACHMENTS FOR AD/SB STATUS AND LLP DATA					
13a. Certifies the items identified above were manufactured in conformity to: ☐ Approved design data and are in 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.: RJ3R817L	
				14e. Date: (dd/mm/yyyy) 22.Oct.2022	
13d. Name:		13e. Date:		14d. Name: Manuel Donan	
USER / INSTALLER RESPONSIBILITIES					
Note: 1). It is important to understand that the existence of the document 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 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. 3) Statements 13a and 14a do not constitute installation certification. In all cases, 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.					

Evaluation Report

HAWKER PACIFIC AEROSPACE

FAA Repair Station RJ3R817L



Hawker Pacific Aerospace
11240 Sherman Way
Sun Valley, CA. 91352 USA
Tel: (818) 765-6201
Fax: (818) 765-4158

Event: L-00528-SSS Sales Order: 660041928
Receipt Date: Aug 9, 2022
Customer JSX
Customer P.O. RO-3180-145501
Urgency
Tail # N48901

Receiving Planner Work Order Information

Qty	P.O. Part Number	Description	Serial Number	Manufacturer		Eligibility
1	2309-2600-507	SECONDARY SIDE STRUT ASSY	903	ELEB - EQUIPAMENTOS LTDA DO BRASIL		ERJ 140/145
Customer Reported Discrepancy			CSO	CSN	TSO	TSN
NONE			14563.00	32863.00	18241:02	42124:46
Warranty		N/A				
Customer Instructions		OVERHAUL				

Initial Evaluation Results

UNIT RECEIVED IN NORMAL WEAR CONDITION OVERHAUL IAW CMM.

Initial Test

Repair Action Description

Work accomplished

OVERHAULED IN ACCORDANCE WITH ELEB CMM 32-10-04 REV 12, DATED 30AUG2015
COMPLIED WITH ELEB-TD 2022-027336 DATED 31AUG2022

CSO: 00:00

TSO: 00:00

SEE ATTACHMENTS FOR AD/SB STATUS AND LLP DATA

Repair Action Descr. created by	U588484	Print by:	U588484	Print at:	Oct 18, 2022
As shipped Part Number	2309-2600-507	S / N	903	Publication	32-10-04



Landing Gear Maintenance Report

E145 RH MLG SECONDARY SIDE STRUT ASSY

Sales Order: 660041928	
Mfg P/N: 2309-2600-507	A/C: N48901
Mfg S/N: 903	MSN: 501
CPN: N/A	PO: RO-3180-145501

Evaluation Report and Airworthiness Release Certificate



Landing Gear Maintenance Report

E145 RH MLG SECONDARY SIDE STRUT ASSY

Sales Order: 660041928	
Mfg P/N: 2309-2600-507	A/C: N48901
Mfg S/N: 903	MSN: 501
CPN: N/A	PO: RO-3180-145501

Life Limit Report



LIFE LIMIT REPORT REVIEW CHECKLIST

EMB-145 MLG SECONDARY SIDE STRUT ASSY

Sales Order: 660041928			
Mfg P/N:	2309-2600-507	A/C:	N48901
Mfg S/N:	903	MSN:	501
CPN:	N/A	PO:	RO-3180-145501

AS RECEIVED BY HPA

MFG P/N	NOMENCLATURE	MFG S/N	SLL*	CSN	REMAINING SLL
2309-2600-507	SECONDARY SIDE STRUT	903	UNLIMITED	32,863	N/A
2309-2608-503	UPR STRUT ASSY	OF3477999/08	UNLIMITED	32,863	N/A
2309-2611-003	UPR STRUT	OF0670253/14	60,000	32,863	27,137
2309-2601-501	LWR STRUT ASSY	3479064-05	UNLIMITED	33,647	REPLACED
2309-2624-001	LWR STRUT	OF0385838/19	60,000	33,647	REPLACED
2309-2617-001	CARDAN ASSY	OF-3666891/06	UNLIMITED	32,863	REPLACED
2309-2618-001	CARDAN	2264599/61	60,000	32,863	REPLACED
2309-2621-001	SHAFT	1365760/033	60,000	14,563	45,437
2309-2626-001	BOLT	OF5792787/53	60,000	32,863	REPLACED
2309-2613-001	PIVOT AXLE	OF053898/434	60,000	32,863	27,137
2309-2650-005	SPRING CARTRIDGE	OF0537924/10	UNLIMITED	32,863	N/A
2309-2651-005	SPRING	OF0537924/10	60,000	32,863	27,137
2309-2650-005	SPRING CARTRIDGE	OF0537924/14	UNLIMITED	32,863	N/A
2309-2651-005	SPRING	OF0537924/14	60,000	32,863	60,000

AS RELEASED BY HPA

MFG P/N	MFG S/N	CSN	REMAINING SLL	CSO	PREVIOUS OPERATOR
2309-2600-507	903	32,863	N/A	0	N48901
2309-2608-503	OF3477999/08	32,863	N/A	0	N48901
2309-2611-003	OF0670253/14	32,863	27,137	0	N48901
2309-2601-501	513196-1/06	32,941	N/A	0	N11535
2309-2624-001	OF2264533/19	32,941	27,059	0	N11535
2309-2617-001	1841006/002	0	N/A	N/A	NEW
2309-2618-001	1811200/005	0	60,000	N/A	NEW
2309-2621-001	1365760/033	14,563	45,437	0	N48901
2309-2626-001	OF0760868/57	32,737	27,263	0	N11535
2309-2613-001	OF053898/434	32,863	27,137	0	N48901
2309-2650-005	OF0537924/10	32,863	N/A	0	N48901
2309-2651-005	OF0537924/10	32,863	27,137	0	N48901
2309-2650-005	OF0537924/14	32,863	N/A	0	N48901
2309-2651-005	OF0537924/14	32,863	60,000	0	N48901

*SAFE LIFE LIMITS (SLL) MRB-145/1150 Rev. 21 Dated 16-JUN-2020

Cumulative cycle information for each life limited component or assembly is provided by and recorded under the responsibility of the customer. Safe life limits have been reviewed and verified to approved and/or accepted data. Deviations from the technical publication's safe life limit may be reflected, as dictated by the customer.

FAA REPAIR STATION RJ3R817L
EASA: DE.145.0001

Prepared By:

Erika Yarrell

Erika Cole- Digitally signed
by Erika Cole-
Yarrell (U724632)
Date: 2022.10.21
05:51:08 -07'00'

Stamp: (U724632)

Date:

10/20/2022



Landing Gear Maintenance Report

E145 RH MLG SECONDARY SIDE STRUT ASSY

Sales Order: 660041928	
Mfg P/N: 2309-2600-507	A/C: N48901
Mfg S/N: 903	MSN: 501
CPN: N/A	PO: RO-3180-145501

Service Bulletin Report



FAA REPAIR STATION RJ3R817L

EASA: DE.145.0001

Service Bulletin Report

E145 MLG SECONDARY SIDE STRUT ASSY

Sales Order: 660041928			
Mfg P/N:	2309-2600-507	A/C:	N48901
Mfg S/N:	903	MSN:	501
CPN:	N/A	PO:	RO-3180-145501

[illegible]

LEGEND:

PCW - PREVIOUSLY COMPLIED WITH

CW - COMPLIED WITH (THIS VISIT)

PARTIAL - PARTIALLY COMPLIED WITH

N/A - NOT ACCOMPLISHED

N/R - NOT REQUIRED

Prepared by: DANIEL AGUILAR Stamp: DLA2077

Date: 9/9/2022



Landing Gear Maintenance Report

E145 RH MLG SECONDARY SIDE STRUT ASSY

Sales Order: 660041928	
Mfg P/N: 2309-2600-507	A/C: N48901
Mfg S/N: 903	MSN: 501
CPN: N/A	PO: RO-3180-145501

Customer Purchase Order (PO, RO, SO)



Kingman Aviation
7100 Flightline Dr, ATTN: JSX REP
Kingman, AZ, 86401
Phone: 469-791-7344

Repair Order

Order No.
RO-3180-145501

Account No.

Date

05-Aug-2022



Return To Address

Kingman Aviation
7100 Flightline Dr
ATTN: JSX REP
Kingman
AZ
86401
US
Phone: 469-791-7344

Bill To Address

Kingman Aviation
1341 W. Mockingbird Lane
600E
Dallas
TX
75247
US
Phone: 469-791-7335
Email: accountspayable@jsx.com

Vendor / Ship To Address

Hawker Pacific Aerospace
11240 Sherman Wy
Sun Valley
CA
91352

Purchase Agent		Shipping Method	Terms	Order Type	Priority	Order Reason	
Christian Brand		WILL CALL		Repair Order	Scheduled Maintenance	Scheduled Or Unscheduled Maintenance	
Line	Item / Description	Serial No.	Transaction Type	Qty	UOM	Unit Cost	Ext. Cost
1	2309-3002-515 MLG LEG STRUT ELEB - Equipped Leg Strut	247	Overhaul	1	EA	USD	USD
2	2309-2005-007 MLG Shock Absorber Assy	1281	Overhaul	1	EA	USD	USD
3	2309-2600-505 MLG Secondary Side Strut Assy	618	Overhaul	1	EA	USD	USD
4	2309-3037-605 MLG LEG STRUT ELEB - Equipped Trailing Arm	OF-9597937-0	Overhaul	1	EA	USD	USD
5	2309-3002-516 MLG LEG STRUT ELEB - Equipped Leg Strut	247	Overhaul	1	EA	USD	USD
6	2309-2005-001 MLG Shock Absorber Assy	022	Overhaul	1	EA	USD	USD
7	2309-3500-503 MLG Main Side Strut Assembly	482	Overhaul	1	EA	USD	USD
8	2309-2600-507 MLG Secondary Side Strut Assy	903	Overhaul	1	EA	USD	USD
9	2309-3037-403 Trailing arm	OF493547-3101	Overhaul	1	EA	USD	USD
10	1170S0000-01 NLG LEG STRUT LIEBHERR - Assembly	00245	Overhaul	1	EA	USD	USD
11	1172C0000-02 Main Drag Strut Assy	SP649-01	Overhaul	1	EA	USD	USD
12	1173B0000-03 NLG AUXILIARY DRAG STRUT Liebherr - Auxiliary Drag Strut Assy	SP654-01	Overhaul	1	EA	USD	USD
13	2309-3500-503 MLG Main Side Strut Assembly	OF6988270-01	Overhaul	1	EA	USD	USD

Remarks: TOTAL GEAR COST \$ 246,453.00

Parts Total	USD 0.00
Taxes	USD 0.00
Freight	USD 0.00
Other	USD 0.00
Order Total	USD 0.00

Purchasing Agent	Authorized Signature	Date
Christian Brand		

Shipping Info:
WILL CALL

Order Info:

Aircraft: / SN:
Aircraft Model: EMB-145LR
Invoice No: 9140018430
WP No:



Kingman Aviation
7100 Flightline Dr, ATTN: JSX REP
Kingman, AZ, 86401
Phone: 469-791-7344

Repair Order

Order No.
RO-3180-145501

Account No.

Date
05-Aug-2022



Return To Address

Kingman Aviation
7100 Flightline Dr
ATTN: JSX REP
Kingman
AZ
86401
US
Phone: 469-791-7344

Bill To Address

Kingman Aviation
1341 W. Mockingbird Lane
600E
Dallas
TX
75247
US
Phone: 469-791-7335
Email: accountspayable@jsx.com

Vendor / Ship To Address

Hawker Pacific Aerospace
11240 Sherman Wy
Sun Valley
CA
91352

Purchase Agent

Christian Brand

Shipping Method

WILL CALL

Terms

Order Type

Repair Order

Priority

Scheduled
Maintenance
WO No:

Order Reason

Scheduled Or Unscheduled
Maintenance

Landing Gear Maintenance Report

E145 RH MLG SECONDARY SIDE STRUT ASSY

Sales Order: 660041928	
Mfg P/N: 2309-2600-507	A/C: N48901
Mfg S/N: 903	MSN: 501
CPN: N/A	PO: RO-3180-145501

Concessions



Landing Gear Maintenance Report

E145 RH MLG SECONDARY SIDE STRUT ASSY

Sales Order: 660041928	
Mfg P/N: 2309-2600-507	A/C: N48901
Mfg S/N: 903	MSN: 501
CPN: N/A	PO: RO-3180-145501

Certificates for New Parts

1 País (Country) BRASIL		2 Título (Title) AGÊNCIA NACIONAL DE AVIAÇÃO CIVIL (BRAZILIAN CIVIL AVIATION AUTHORITY) CERTIFICADO DE LIBERAÇÃO AUTORIZADA (AUTHORIZED RELEASE CERTIFICATE) ETIQUETA DE APROVAÇÃO DE AERONAVEGABILIDADE (AIRWORTHINESS APPROVAL TAG) FORMULÁRIO (FORM) F-100-01 (SEGVÃO 003)			3 Certificado No. (Certificate No./System Tracking Ref.) 2003030693	
4 Empresa (nome e endereço) (Organization Name and Address) EMBRAER - Empresa Brasileira de Aeronáutica S/A - Brasil 1085 East Stateline Road - Southaven MS 38671 - COP E-7203-01					5 Ordem de Serviço/Certificado Fornecedor (Work Order, Contract or Invoice) 0902823950	
6 Item (Item)	7 Descrição (Description)	8 Número da Peça (Part Number)	9 Quantidade (Quantity)	10 Número de Série/Lote (Serial/Lotch Number)	11 Categoria/Trabalho (Status/Work)	
000001	CARDAN, CONJ	2309-2617-001	1	1841006/002	NOVO	
Certified True Copy of the Original						
12 Observações (Remarks) Export. The referenced parts conform to the EASA approved design data as identified in EASA IM.A.032 and are in condition for safe operation. COMPONENT PN-2309-2618-001 S/N 1811200/005 - 5025831252 / 2020. Partes com vida limitada devem ser acompanhadas de histórico de manutenção incluindo tempo total/tempo desde que nova. (limited life parts must be accompanied by maintenance history including total time/total time since new.)						
13 Certifica que o(s) item(s) acima identificado(s) foi (foram) fabricado(s) em conformidade com: (Certifies that the item(s) identified above was (were) manufactured in conformity with: ☒ dados de projeto aprovados e está (ão) em condição segura de operação (approved design data and are in a condition for safe operation) ☐ dados de projeto não aprovados especificados no bloco 12 (non-approved design data specified in block 12)			16 ☐ Retorno ao serviço de acordo com RBAC 43.9 (Return to service in accordance with RBAC 43.9) ☐ Outros regulamentos especificados no bloco 12 (Other regulations specified in block 12) Certifica que, a menos especificado no bloco 12, o trabalho especificado no bloco 11, e descrito no bloco 12, foi executado de acordo com o Regulamento Brasileiro de Aviação Civil - RBAC 43 e, em relação ao trabalho realizado, a (a) peça (s) é (são) aprovada (s) para retorno ao serviço. (Certifies that, unless otherwise specified in block 12, the work identified in block 11 and described in block 12, was accomplished in accordance with Brazilian Civil Aviation Regulations - RBAC 43 and in respect to the work performed the part(s) is (are) approved for return to service.)			
14 Assinatura do Representante da ANAC (ANAC Representative Signature) 		15 No. Autorização da ANAC (ANAC Authorization No.) DOI 2020-021 / COP E-7203-01		18 Pessoa Autorizada (Authorized Signature)		20 No. COTA/COA (Certificate Number)
19 Nome (Name) MARCELO MARTINS PINTO		17 Data (Date) 11/DEC/20		21 Nome (Name)		22 Data (Date)
* O INSTALADOR DEVE FAZER VERIFICAÇÃO CRUZADA DA APLICABILIDADE ATRAVÉS DOS DADOS TÉCNICOS APLICÁVEIS (INSTALLER MUST CROSS CHECK ELIGIBILITY WITH APPLICABLE TECHNICAL DATA) RESPONSABILIDADE DO USUÁRIO / INSTALADOR É IMPORTANTE COMPREENDER QUE A EXISTÊNCIA DESTA DOCUMENTAÇÃO POR SI SÓ NÃO CONSTITUI AUTOMATICAMENTE UMA AUTORIZAÇÃO PARA INSTALAR A PARTE/COMPONENTE/CONJUNTO. SE O TRABALHO DO USUÁRIO/INSTALADOR É REALIZADO DE ACORDO COM OS REGULAMENTOS NACIONAIS DE UMA AUTORIDADE DE AERONAVEGABILIDADE DIFERENTE DA AUTORIDADE DE AERONAVEGABILIDADE DO PAÍS ESPECIFICADO NO BLOCO 1, É ESSENCIAL QUE O USUÁRIO/INSTALADOR ASSEGURE QUE A SUA AUTORIDADE DE AERONAVEGABILIDADE ACEITA PARTES/COMPONENTES/CONJUNTOS DA AUTORIDADE DE AERONAVEGABILIDADE DO PAÍS ESPECIFICADO NO BLOCO 1. AS DECLARAÇÕES NOS BLOCOS 13 E 18 NÃO CONSTITUEM UM CERTIFICADO DE INSTALAÇÃO. EM TODOS OS CASOS, OS REGISTROS DE MANUTENÇÃO DA AERONAVE DEVEM CONTER UM CERTIFICADO DE INSTALAÇÃO EMISSO DE ACORDO COM REGULAMENTOS NACIONAIS PELO USUÁRIO/INSTALADOR ANTES QUE A AERONAVE POSSA SER LIBERADA PARA VOO. (USER / INSTALLER RESPONSIBILITY) 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 WORK IS PERFORMED 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 BLOCK 13 AND 18 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.)						

Landing Gear Maintenance Report

E145 RH MLG SECONDARY SIDE STRUT ASSY

Sales Order: 660041928	
Mfg P/N: 2309-2600-507	A/C: N48901
Mfg S/N: 903	MSN: 501
CPN: N/A	PO: RO-3180-145501

Certificates for Replaced Parts (with Traceability)

Evaluation Report

HAWKER PACIFIC AEROSPACE

FAA Repair Station RJ3R817L



Hawker Pacific Aerospace
11240 Sherman Way
Sun Valley, CA. 91352 USA
Tel: (818) 765-6201
Fax: (818) 765-4158

Event: L-00530-SSS Sales Order: 660041984
Repair Order: 51684311 Receipt Date:
Customer: JSX
Customer P.O. RO-3197-11535
Urgency Tail # N11535

Receiving Planner Work Order Information

Qty	P.O. Part Number	Description	Serial Number	Manufacturer		Eligibility
1	2309-2626-001	BOLT	OF0760868/57	ELEB - EQUIPAMENTOS LTDA DO BRASIL		ERJ 140/145
Customer Reported Discrepancy			CSO	CSN	TSO	TSN
NONE			32737.00	32737.00	42618:39	42618:39
Warranty		N/A				
Customer Instructions		OVERHAUL				

Initial Evaluation Results

BOLT RECEIVED IN NORMAL WEAR CONDITION.
PART IS DIMENSIONALLY ACCEPTABLE PER CMM LIMITS.
WILL BE RELEASED FOR OVERHAUL.

Initial Test

Repair Action Description

Work accomplished

OVERHAULED IN ACCORDANCE WITH ELEB CMM 32-10-04 REV.12 DATED 30AUG2015.

CSO: 00:00

TSO: 00:00

PREVIOUS OPERATOR: JSX, A/C: N11535
ISSUE TO SALES ORDER: 660041928

Repair Action Descr. created by	U758531	Print by:	U758531	Print at:	Oct 21, 2022
As shipped Part Number	2309-2626-001	S / N	OF0760868/57	Publication	32-10-04

1. Approving Civil Aviation Authority / Country FAA / United States		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, Airworthiness Approval Tag				3. Form Tracking Number: 158311	
4. Organization Name and Address:  HAWKER PACIFIC AEROSPACE Hawker Pacific Aerospace Repair Station No. RJ3R817L 11240 Sherman Way Sun Valley, CA. 91352						5. Work Order/Contract/Invoice No./P.O.: 660041984 / 51684311 / / RO-3197-11535	
6. Item	7. Description	8. Part Number	9. Quantity	10. Serial Number	11. Status/Work		
1	BOLT	2309-2626-001	1	OF0760868/57	OVERHAULED		
12. Remarks: Life Details: TSN: 42618:39 CSN: 32737.00 TSO: ZERO CSO: ZERO OVERHAULED IN ACCORDANCE WITH ELEB CMM 32-10-04 REV.12 DATED 30AUG2015. PREVIOUS OPERATOR: JSX, A/C: N11535 ISSUE TO SALES ORDER: 660041928							
13a. Certifies the items identified above were manufactured in conformity to: ☐ Approved design data and are in 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.:	
13d. Name:		13e. Date:		14d. Name: Manuel Donan		14e. Date: (dd/mm/yyyy) 22.Oct.2022	
USER / INSTALLER RESPONSIBILITIES							
Note: 1). It is important to understand that the existence of the document 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 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. 3) Statements 13a and 14a do not constitute installation certification. In all cases, 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.							

Evaluation Report

HAWKER PACIFIC AEROSPACE

FAA Repair Station RJ3R817L



Hawker Pacific Aerospace
11240 Sherman Way
Sun Valley, CA. 91352 USA
Tel: (818) 765-6201
Fax: (818) 765-4158

Event: L-00530-SSS Sales Order: 660041985
Repair Order: 51684927 Receipt Date:
Customer: JSX
Customer P.O. RO-3197-11535
Urgency: Tail # N11535

Receiving Planner Work Order Information

Qty	P.O. Part Number	Description	Serial Number	Manufacturer		Eligibility
1	2309-2601-501	LOWER SEC. SIDE STRUT ASSY	513196-1/06	ELEB - EQUIPAMENTOS LTDA DO BRASIL		ERJ 140/145
Customer Reported Discrepancy			CSO	CSN	TSO	TSN
N/A			32737.00	32941.00	42618:39	42464:19
Warranty		N/A				
Customer Instructions		OVERHAUL				

Initial Evaluation Results

UNIT RECIEVED IN FAIR CONDITION, RELEASED FOR OVERHAUL IAW CMM 32-10-04

Initial Test

Repair Action Description

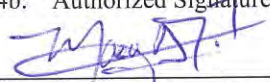
Work accomplished

OVERHAULED IAW CMM 32-10-04 REV 12 DATED 30AUG2015
NON-PROCURABLE PN: 2309-2624-001 SN: 0F2264533/19

CSO: 00:00
TSO: 00:00

PREVIOUS OPERATOR: JSX A/C: N11535
TRANSFERRED TO SALES ORDER : 660041928

Repair Action Descr. created by	U758531	Print by:	U758531	Print at:	Oct 21, 2022
As shipped Part Number	2309-2601-501	S / N	513196-1/06	Publication	32-10-04

1. Approving Civil Aviation Authority / Country FAA / United States		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, Airworthiness Approval Tag			3. Form Tracking Number: 158312	
4. Organization Name and Address: HAWKER PACIFIC AEROSPACE		Hawker Pacific Aerospace Repair Station No. RJ3R817L 11240 Sherman Way Sun Valley, CA. 91352			5. Work Order/Contract/Invoice No./P.O.: 660041985 / 51684927 / / RO-3197-11535	
6. Item	7. Description	8. Part Number	9. Quantity	10. Serial Number	11. Status/Work	
1	LOWER SEC. SIDE STRUT ASSY	2309-2601-501	1	513196-1/06	OVERHAULED	
12. Remarks: Life Details: TSN: 42464:19 CSN: 32941.00 TSO: ZERO CSO: ZERO OVERHAULED IAW CMM 32-10-04 REV 12 DATED 30AUG2015 NON-PROCURABLE PN: 2309-2624-001 SN: 0F2264533/19 PREVIOUS OPERATOR: JSX A/C: N11535 TRANSFERRED TO SALES ORDER : 660041928						
13a. Certifies the items identified above were manufactured in conformity to: ☐ Approved design data and are in 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.: RJ3R817L		
13d. Name:	13e. Date:	14d. Name: Manuel Donan		14e. Date: (dd/mm/yyyy) 22.Oct.2022		
USER / INSTALLER RESPONSIBILITIES						
Note: 1). It is important to understand that the existence of the document 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 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. 3) Statements 13a and 14a do not constitute installation certification. In all cases, 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.						

Sales Order: 660041928	
Mfg P/N: 2309-2600-507	A/C: N48901
Mfg S/N: 903	MSN: 501
CPN: N/A	PO: RO-3180-145501

Landing Gear Maintenance Report

E145 RH MLG SECONDARY SIDE STRUT ASSY

Previous Operator Traceability

P/N Detail Print

Print Date: 10/15/2020 18:49

Page: 1 of 3



AC: N48901 Position: RH

■ P/N: 2309-2600-507

P/N S/N: 903

MLG SECONDARY SIDE STRUT

Batch: 2180200

SCHEDULE				ACTUAL				REMAINING			STATUS
Hours	Cycles	Days	Date	Hours	Cycles	Days	Reset Date	Hours	Cycles	Days	
	20000	4380		6408:42	14563	1475	10/01/2016	0:00	5437	2905	OPEN
				18241:02	14563	1475	10/01/2016	0:00	0	0	
				42124:46	32863	1475	10/01/2016	0:00	0	0	

Control Items Description
MLG AUX STRUT REST UNSCHED - T/C "MAIN GEAR REMOVE"

TSI

TSN

■ P/N: 2309-2601-501

P/N S/N: 3479064-05

MLG SECONDARY LOWER SIDE STRUT ASSY

Batch: 2175436

SCHEDULE				ACTUAL			REMAINING			STATUS
Hours	Cycles	Days	Date	Hours	Cycles	Days	Hours	Cycles	Days	
	60000			6408:42	32863	1475	0:00	27137	0	OPEN
				42124:46	32863	1475	0:00	0	0	
				43371:45	33647	5564	0:00	0	0	

Control Items Description
MLG LOWER SECONDARY SIDE S UNSCHED - T/C "MAIN GEAR REMOVE"

TSI

TSN

■ P/N: 2309-2608-503

P/N S/N: OF3477999/08

MLG SECONDARY UPPER SIDE STRUT ASSY

Batch: 2180310

SCHEDULE				ACTUAL			REMAINING			STATUS
Hours	Cycles	Days	Date	Hours	Cycles	Days	Hours	Cycles	Days	
	60000			6408:42	32863	1475	0:00	27137	0	OPEN
				42124:46	32863	1475	0:00	0	0	
				42124:46	32863	1475	0:00	0	0	

Control Items Description
MLG UPPER SECONDARY SIDE S (LIFE LIMITED PART) UNSCHED - T/C "MAIN GEAR REMOVE"

TSI

TSN

■ P/N: 2309-2613-001

P/N S/N: OF053898/434

PIVOT PIN, MLG SECONDARY SIDE STRUT

Batch: 2180203

SCHEDULE				ACTUAL			REMAINING			STATUS
Hours	Cycles	Days	Date	Hours	Cycles	Days	Hours	Cycles	Days	
	60000			6408:42	32863	1475	0:00	27137	0	OPEN
				42124:46	32863	1475	0:00	0	0	
				42124:46	32863	1475	0:00	0	0	

Control Items Description
MLG PIVOT PIN (LIFE LIMITED PART) UNSCHED - T/C "MAIN GEAR REMOVE"

TSI

TSN

P/N Detail Print

Print Date: 10/15/2020 18:49

Page: 2 of 3



■ P/N: 2309-2617-001

P/N S/N: OF-3666891/06

Control Items

MLG CARDAN

TSI

TSN

Description

(LIFE LIMITED PART) UNSCHED - T/C "MAIN GEAR REMOVE"

CARDAN ASSY,MLG SECONDARY DRAG STRUT

Batch: 2174950

SCHEDULE				ACTUAL			REMAINING			STATUS
Hours	Cycles	Days	Date	Hours	Cycles	Days	Hours	Cycles	Days	
	60000			6408:42	32863	1475	0:00	27137	0	OPEN
				42124:46	32863	1475	0:00	0	0	
				42124:46	32863	1475	0:00	0	0	

■ P/N: 2309-2621-001

P/N S/N: 1365760/033

Control Items

MLG SHAFT

TSI

TSN

Description

(LIFE LIMITED PART) UNSCHED - T/C "MAIN GEAR REMOVE"

SHAFT, MLG SECONDARY SIDE STRUT

Batch: 2322449

SCHEDULE				ACTUAL			REMAINING			STATUS
Hours	Cycles	Days	Date	Hours	Cycles	Days	Hours	Cycles	Days	
	60000			6408:42	14563	1475	0:00	45437	0	OPEN
				18241:02	14563	1475	0:00	0	0	
				18241:02	14563	1475	0:00	0	0	

■ P/N: 2309-2626-001

P/N S/N: 0760868/72

Control Items

MLG BOLT

TSI

TSN

Description

UNCHED - T/C "MAIN GEAR REMOVE"

BOLT, MLG SECONDARY SIDE STRUT

Batch: 2175439

SCHEDULE				ACTUAL			REMAINING			STATUS
Hours	Cycles	Days	Date	Hours	Cycles	Days	Hours	Cycles	Days	
	60000			6408:42	32863	1475	0:00	27137	0	OPEN
				42124:46	32863	1475	0:00	0	0	
				42124:46	32863	1475	0:00	0	0	

■ P/N: 2309-2650-005

P/N S/N: OF0537924/10

Control Items

MLG SPRING 60K

MLG SPRING RESTORE

TSI

TSN

Description

(LIFE LIMITED PART) UNSCHED - T/C "MAIN GEAR R/R"

UNCHED - T/C "MAIN GEAR RESTORE"

SPRING CARTRIDGE ASSY, MLG SECONDARY SIDE STRUT

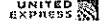
Batch: 2174822

SCHEDULE				ACTUAL			REMAINING			STATUS
Hours	Cycles	Days	Date	Hours	Cycles	Days	Hours	Cycles	Days	
	60000			9704:05	7826	1995	0:00	52174	0	OPEN
	20000	4380		6408:42	14563	1475	0:00	5437	2905	OPEN
				42124:46	32863	1475	0:00	0	0	
				42124:46	32863	1475	0:00	0	0	

P/N Detail Print

Print Date: 10/15/2020 18:49

Page: 3 of 3



■ P/N: 2309-2650-005

P/N S/N: OF0537924/14

SPRING CARTRIDGE ASSY, MLG SECONDARY SIDE STRUT Batch: 2174477

SCHEDULE				ACTUAL			REMAINING			STATUS
Hours	Cycles	Days	Date	Hours	Cycles	Days	Hours	Cycles	Days	
	60000			9704:05	7826	1995	0:00	52174	0	OPEN
	20000	4380		6408:42	14563	1475	0:00	5437	2905	OPEN
				42124:46	32863	1475	0:00	0	0	
				42124:46	32863	1475	0:00	0	0	

Control Items

MLG SPRING 60K

Description

(LIFE LIMITED PART) UNSCHED - T/C "MAIN GEAR R/R"

MLG SPRING RESTORE

UNSCHED - T/C "MAIN GEAR RESTORE"

TSI

TSN

Serial Number Checklist
Sales Order: 660041928

Off-Log Part Number	Part Description	Off-Log S/N	On-Log Part Number	On-Log S/N	Valuation Type	Oper. Stamp	Date
2309-2650-005	SPRING CARTRIDGE ASSY	OF0537924/10	2309-2650-005	OF0537924/10	Original	608 G.B.	10/21/22
2309-2650-005	SPRING CARTRIDGE ASSY	OF0537924/14	2309-2650-005	OF0537924/14	Original	608 G.B.	10/21/22
2309-2651-005	SPRING	OF0537924/10	2309-2651-005	OF0537924/10	Original	608 G.B.	OCT 21 2022
2309-2651-005	SPRING	OF0537924/14	2309-2651-005	OF0537924/14	Original	608 G.B.	OCT 21 2022
2309-2613-001	PIVOT PIN	OF053898/434	2309-2613-001	OF053898/434	Original	608 G.B.	OCT 21 2022
2309-2601-501	LOWER SEC. SIDE STRUT ASSY	3479064-05	2309-2601-501	3479064-05 513/4-1/06 467030-7/04	Original	608 G.B.	OCT 21 2022
2309-2624-001	LOWER SECONDARY STRUT	OF:0385838/19	2309-2624-001	OF:0385838/19 OF2264533/19	Original Swad	608 G.B.	OCT 21 2022
2309-2621-001	SHAFT	1365760/033	2309-2621-001	1365760/033	Original	608 G.B.	OCT 21 2022
2309-2617-001	CARDAN ASSY	OF-3666891/06	2309-2617-001	1841006/002	NEW	608 G.B.	OCT 21 2022
2309-2626-001	BOLT	OF5792787/53	2309-2626-001	OF0760868/57 OF0760846/37	SWAP NEW	608 G.B.	OCT 21 2022

Responsible for content: LAX UG641/Eddy Welton

Page 1 of 2

There is no revision service for documents printed from IQ MOVE

OCT 21 2022

OCT 21 2022

 Activity-related document
 IQ MOVE Document No.: 31782

Serial Number Checklist

Sales Order: 660041928

Off-Log Part Number	Part Description	Off-Log S/N	On-Log Part Number	On-Log S/N	Valuation Type	Oper. Stamp	Date
2309-2608-503	UPPER SEC. SIDE STRUT ASSY	OF3477999/08	2309-2608-503	OF3477999/08	Original	<i>WOG 6-2</i>	OCT 21 2022
2309-2611-003	UPPER SECONDARY STRUT	OF-0670256/14	2309-2611-003	OF-0670256/14	Original	<i>WOG 6-2</i>	OCT 21 2022
2309-2600-507	SECONDARY SIDE STRUT ASSY	903	2309-2600-507	903	Original	<i>WOG 6-3</i>	OCT 21 2022

HPI
131
MEG
10/22/22
see pg.

Serial Number Checklist

Sales Order: 660041928

Off-Log Part Number	Part Description	Off-Log S/N	On-Log Part Number	On-Log S/N	Valuation Type	Oper. Stamp	Date
2309-2618-001	CARDAN	OF2764599/61	2309-2618-001	1811200/005	NEW		10/21/22
2309-2611-003	UPPER SECONDARY STRUT	OF/0670253/14	2309-2611-003	OF/0670253/14	Original		10/21/22

Je 1651
10/22/22

Je 1651
10/22/22



Landing Gear Maintenance Report

E145 RH MLG SIDE STRUT ASSY

Sales Order: 660041926			
Mfg P/N:	2309-3500-503	A/C:	N48901
Mfg S/N:	482	MSN:	501
CPN:	N/A	PO:	RO-3180-145501

Customer Documentation Package

Evaluation Report and Airworthiness Release Certificate

Life Limit Report

Service Bulletin Report

Customer Purchase Order (PO, RO, SO)

Concessions

Certificates for New Parts

Previous Operator Traceability

FAA REPAIR STATION RJ3R817L
EASA: DE.145.0001

Prepared By: Erika Yarrell

Erika Cole-
Yarrell
Stamp: (U724632)
Digitally signed by
Erika Cole-Yarrell
(U724632)
Date: 2022.10.14
14:24:34 -07'00'

Date: 10/14/2022



Landing Gear Maintenance Report

E145 RH MLG SIDE STRUT ASSY

Sales Order: 660041926	
Mfg P/N: 2309-3500-503	A/C: N48901
Mfg S/N: 482	MSN: 501
CPN: N/A	PO: RO-3180-145501

Evaluation Report and Airworthiness Release Certificate

1. Approving Civil Aviation Authority / Country FAA / United States		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, Airworthiness Approval Tag			3. Form Tracking Number: 158313	
4. Organization Name and Address: HAWKER PACIFIC AEROSPACE		Hawker Pacific Aerospace Repair Station No. RJ3R817L 11240 Sherman Way Sun Valley, CA. 91352			5. Work Order/Contract/Invoice No./P.O. #: 660041926 / / / RO-3180-145501	
6. Item	7. Description	8. Part Number	9. Quantity	10. Serial Number	11. Status/Work	
1	MAIN SIDE STRUT ASSY-LR	2309-3500-503	1	482	OVERHAULED	

12. Remarks: Life Details: TSN: 43019:27 CSN: 33578.00 TSO: ZERO CSO: ZERO

OVERHAULED IN ACCORDANCE WITH ELEB CMM 32-10-03 REV 16, DATED 29NOV2019
COMPLIED WITH ELEB-TD 2022-028296 DATED 09SEPT2022

SEE ATTACHMENTS FOR AD/SB STATUS AND LLP DATA .

13a. Certifies the items identified above were manufactured in conformity to: ☐ Approved design data and are in 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.: RJ3R817L
13d. Name:	13e. Date:	14d. Name: Robert Luna	14e. Date: (dd/mm/yyyy) 22.Oct.2022

USER / INSTALLER RESPONSIBILITIES

Note: 1). It is important to understand that the existence of the document 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 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.
3) Statements 13a and 14a do not constitute installation certification. In all cases, 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.

Evaluation Report

HAWKER PACIFIC AEROSPACE

FAA Repair Station RJ3R817L



Hawker Pacific Aerospace
11240 Sherman Way
Sun Valley, CA. 91352 USA
Tel: (818) 765-6201
Fax: (818) 765-4158

Event: L-00528-RSS Sales Order: 660041926
Receipt Date: Aug 9, 2022
Customer: JSX
Customer P.O. RO-3180-145501
Urgency: Tail # N48901

Receiving Planner Work Order Information

Qty	P.O. Part Number	Description	Serial Number	Manufacturer		Eligibility
1	2309-3500-503	MAIN SIDE STRUT ASSY-LR	482	ELEB - EQUIPAMENTOS LTDA DO BRASIL		ERJ 140/145
Customer Reported Discrepancy			CSO	CSN	TSO	TSN
NONE			14563.00	33578.00	18241:02	43019:27
Warranty		N/A				
Customer Instructions		OVERHAUL				

Initial Evaluation Results

MAIN SIDE STRUT RECEIVED IN NORMAL WEAR CONDITION, NO REPORTS ON MISSING OR DAMAGED PARTS.
UNIT TO BE OVERHAULED IAW CMM.

Initial Test N/A

Repair Action Description

Work accomplished

OVERHAULED IN ACCORDANCE WITH ELEB CMM 32-10-03 REV 16, DATED 29NOV2019
COMPLIED WITH ELEB-TD 2022-028296 DATED 09SEPT2022

CSO: 00:00
TSO: 00:00

SEE ATTACHMENTS FOR AD/SB STATUS AND LLP DATA .

Repair Action Descr. created by	U588484	Print by:	U588484	Print at:	Oct 13, 2022
As shipped Part Number	2309-3500-503	S / N	482	Publication	32-10-03



Landing Gear Maintenance Report

E145 RH MLG SIDE STRUT ASSY

Sales Order: 660041926	
Mfg P/N: 2309-3500-503	A/C: N48901
Mfg S/N: 482	MSN: 501
CPN: N/A	PO: RO-3180-145501

Life Limit Report



LIFE LIMIT REPORT

EMB-145 RH MLG SIDE STRUT

Sales Order: 660041926			
Mfg P/N:	2309-3500-503	A/C:	N48901
Mfg S/N:	482	MSN:	501
CPN:	N/A	PO:	RO-3180-145501

AS RECEIVED BY HPA

MFG P/N	NOMENCLATURE	MFG S/N	SLL*	CSN	REMAINING SLL
2309-3500-503	MLG SIDE STRUT ASSY	482	UNLIMITED	33,578	N/A
2309-2510-505	LOWER MAIN SIDE STRUT ASSY	4800399-08	UNLIMITED	33,578	REPLACED
2309-2532-001	LOWER MAIN SIDE STRUT	OF3183512/09	60,000	33,578	26,422
2309-2502-501	UPPER MAIN SIDE STRUT ASSY	OF513189-4/08	UNLIMITED	33,578	N/A
2309-2524-001	UPPER MAIN SIDE STRUT	OF2028266/08	60,000	33,578	26,422
2309-3706-401	SIDE STRUT CARDAN ASSY	1313295/001	UNLIMITED	14,563	N/A
2309-3515-001	AXLE UPPER	OF3797507-02	60,000	33,578	26,422
2309-3516-001	PIVOT PIN	OF1806217/04	60,000	33,578	26,422

AS RELEASED BY HPA

MFG P/N	MFG S/N	CSN	REMAINING SLL	CSO	PREVIOUS OPERATOR
2309-3500-503	482	33,578	N/A	0	N48901
2309-2510-505	1895430/001	0	N/A	N/A	NEW
2309-2532-001	OF3183512/09	33,578	26,422	0	N48901
2309-2502-501	OF513189-4/08	33,578	N/A	0	N48901
2309-2524-001	OF2028266/08	33,578	26,422	0	N48901
2309-3706-401	1313295/001	14,563	N/A	0	N48901
2309-3515-001	OF3797507-02	33,578	26,422	0	N48901
2309-3516-001	OF1806217/04	33,578	26,422	0	N48901

*SAFE LIFE LIMITS (SLL) MRB-145/1150 Rev. 21 Dated 16-JUN-2020

Cumulative cycle information for each life limited component or assembly is provided by and recorded under the responsibility of the customer. Safe life limits have been reviewed and verified to approved and/or accepted data. Deviations from the technical publication's safe life limit may be reflected, as dictated by the customer.

Prepared By: Erika Yarrell Stamp: Erika Cole-Yarrell (U724632)

Erika Cole-Yarrell

Digitally signed by Erika Cole-Yarrell (U724632)
Date: 2022.10.14 14:24:49 -07'00'

Date: 10/14/2022

FAA REPAIR STATION RJ3R817L
EASA: DE.145.0001



Landing Gear Maintenance Report

E145 RH MLG SIDE STRUT ASSY

Sales Order: 660041926	
Mfg P/N: 2309-3500-503	A/C: N48901
Mfg S/N: 482	MSN: 501
CPN: N/A	PO: RO-3180-145501

Service Bulletin Report

Sales Order: 660041926			
Mfg P/N:	2309-3500-503	A/C:	N48901
Mfg S/N:	482	MSN:	501
CPN:	N/A	PO:	RO-3180-145501

Service Bulletin Report

E145 MLG MAIN SIDE STRUT ASSY

[illegible]

LEGEND:

PCW - PREVIOUSLY COMPLIED WITH

CW - COMPLIED WITH (THIS VISIT)

PARTIAL - PARTIALLY COMPLIED WITH

N/A - NOT ACCOMPLISHED

N/R - NOT REQUIRED

Prepared by: DANIEL AGUILAR Stamp: DLA2077

Date: 9/8/2022



Landing Gear Maintenance Report

E145 RH MLG SIDE STRUT ASSY

Sales Order: 660041926	
Mfg P/N: 2309-3500-503	A/C: N48901
Mfg S/N: 482	MSN: 501
CPN: N/A	PO: RO-3180-145501

Customer Purchase Order (PO, RO, SO)



Kingman Aviation
7100 Flightline Dr, ATTN: JSX REP
Kingman, AZ, 86401
Phone: 469-791-7344

Repair Order

Order No.
RO-3180-145501

Account No.

Date
05-Aug-2022



Return To Address

Kingman Aviation
7100 Flightline Dr
ATTN: JSX REP
Kingman
AZ
86401
US
Phone: 469-791-7344

Bill To Address

Kingman Aviation
1341 W. Mockingbird Lane
600E
Dallas
TX
75247
US
Phone: 469-791-7335
Email: accountspayable@jsx.com

Vendor / Ship To Address

Hawker Pacific Aerospace
11240 Sherman Wy
Sun Valley
CA
91352

Purchase Agent		Shipping Method	Terms	Order Type	Priority	Order Reason	
Christian Brand		WILL CALL		Repair Order	Scheduled Maintenance	Scheduled Or Unscheduled Maintenance	
Line	Item / Description	Serial No.	Transaction Type	Qty	UOM	Unit Cost	Ext. Cost
1	2309-3002-515 MLG LEG STRUT ELEB - Equipped Leg Strut	247	Overhaul	1	EA	USD	USD
2	2309-2005-007 MLG Shock Absorber Assy	1281	Overhaul	1	EA	USD	USD
3	2309-2600-505 MLG Secondary Side Strut Assy	618	Overhaul	1	EA	USD	USD
4	2309-3037-605 MLG LEG STRUT ELEB - Equipped Trailing Arm	OF-9597937-0	Overhaul	1	EA	USD	USD
5	2309-3002-516 MLG LEG STRUT ELEB - Equipped Leg Strut	247	Overhaul	1	EA	USD	USD
6	2309-2005-001 MLG Shock Absorber Assy	022	Overhaul	1	EA	USD	USD
7	2309-3500-503 MLG Main Side Strut Assembly	482	Overhaul	1	EA	USD	USD
8	2309-2600-507 MLG Secondary Side Strut Assy	903	Overhaul	1	EA	USD	USD
9	2309-3037-403 Trailing arm	OF493547-3101	Overhaul	1	EA	USD	USD
10	1170S0000-01 NLG LEG STRUT LIEBHERR - Assembly	00245	Overhaul	1	EA	USD	USD
11	1172C0000-02 Main Drag Strut Assy	SP649-01	Overhaul	1	EA	USD	USD
12	1173B0000-03 NLG AUXILIARY DRAG STRUT Liebherr - Auxiliary Drag Strut Assy	SP654-01	Overhaul	1	EA	USD	USD
13	2309-3500-503 MLG Main Side Strut Assembly	OF6988270-01	Overhaul	1	EA	USD	USD

Remarks: TOTAL GEAR COST \$ 246,453.00

Parts Total	USD 0.00
Taxes	USD 0.00
Freight	USD 0.00
Other	USD 0.00
Order Total	USD 0.00

Purchasing Agent	Authorized Signature	Date
Christian Brand		

Shipping Info:
WILL CALL

Order Info:
Aircraft: / SN:
Aircraft Model: EMB-145LR
Invoice No: 9140018430
WP No:



Kingman Aviation
7100 Flightline Dr, ATTN: JSX REP
Kingman, AZ, 86401
Phone: 469-791-7344

Repair Order

Order No.
RO-3180-145501

Account No.

Date
05-Aug-2022



Return To Address

Kingman Aviation
7100 Flightline Dr
ATTN: JSX REP
Kingman
AZ
86401
US
Phone: 469-791-7344

Bill To Address

Kingman Aviation
1341 W. Mockingbird Lane
600E
Dallas
TX
75247
US
Phone: 469-791-7335
Email: accountspayable@jsx.com

Vendor / Ship To Address

Hawker Pacific Aerospace
11240 Sherman Wy
Sun Valley
CA
91352

Purchase Agent

Christian Brand

Shipping Method

WILL CALL

Terms

Order Type

Repair Order

Priority

Scheduled
Maintenance
WO No:

Order Reason

Scheduled Or Unscheduled
Maintenance



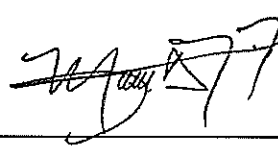
Landing Gear Maintenance Report

E145 RH MLG SIDE STRUT ASSY

Sales Order: 660041926	
Mfg P/N: 2309-3500-503	A/C: N48901
Mfg S/N: 482	MSN: 501
CPN: N/A	PO: RO-3180-145501

Concessions

IDR 37158**HAWKER PACIFIC
AEROSPACE****FAA Repair Station RJ3R817L
EASA: DE.145.0001**

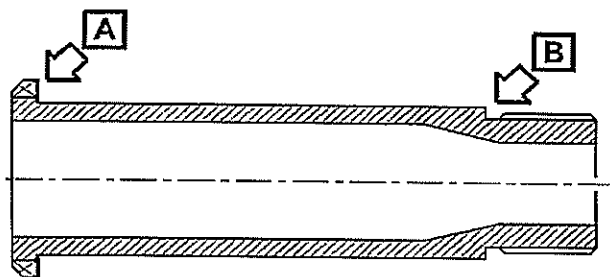
Part Data		Event Data	
Part Description	AXLE, CENTRAL	Repair Order	51681992
P/N	2309-3516-001:005TK	Event	L-00528-RSS
S/N	OF1806217/04	Sales Order	660041926
Customer S/N		Product (A/C Type)	ERJ-145
Detail P/N		Tail Sign	N48901
Detail S/N		Customer/Operator	101896 JSX
		Customer PO	RO-3180-145501
IDR Details		Additional Data	
IDR Status	CL - Closed	TSN	43019.45 FH
IDR Issue Date	19.Aug.2022	CSN	33578.00 CYC
IDR Close Date	20.Oct.2022	OEM Ref.	32-10-03
		OEM	ELEB
Discrepancy			
FLANGE FACE CORRODED			
OEM/DER Response			
ELEB-TD 2022-028296		Response date	09.Sep.2022
Customer Response			
CUSTOMER RESPONSE IS NOT REQUIRED FOR JSX		Response date	09.Sep.2022
Engineer / Signature	Date	Inspector / Signature	Date
	10/20/22		OCT 21 2022
	Stamp		Stamp
			

IDR 37158

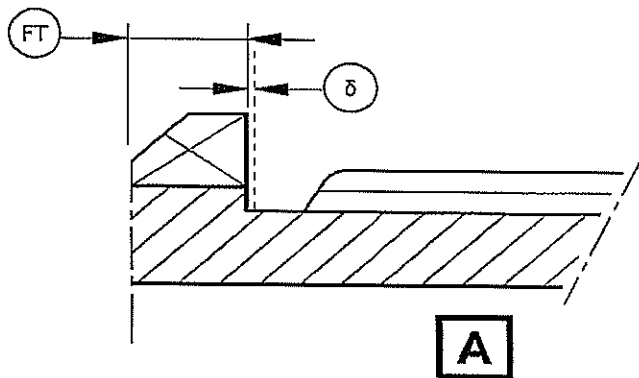
This Document holds no airworthiness approval and reference to OEM approval is required. The purpose of this document is for transmittal of engineering information within the Part 145 production facility only.

Inspection Discrepancy Report (IDR)

IDR Document No. 37158	Rev. No. 0	Date 9/8/2022	Sales Order No. 660041926	Work Order No. 51681992
Part Description CENTRAL AXLE	Part Number 2309-3516-001	Serial Number OF1806217/04	A/C Type ERJ-145	CMM 32-10-03
Detail Part Description N/A	Detail Part Number N/A	Detail Serial Number N/A	A/C Tail No. (MSN) N48901 (501)	
Description Subject part's flange face received with corrosion. Corrosion was removed. All other dimensions are within CMM limits.				
Proposed Resolution - Perform NDT to ensure defect-free condition. - Shot peen flange face per AMS2430. - Apply sulfamate nickel plate on flange face. - Complete repair and overhaul per CMM.				



REFERENCE #	FT	δ
Design Dim.	N/A	MATERIAL REMOVED
Repair Limit	NOT GIVEN	NOT GIVEN
As Received/ Post Rework	0.1690	0.0100



ALL DIMENSIONS ARE IN INCHES			
TODAY'S DATE:	9/8/2022	REPAIR CLASSIFICATION:	Minor
NEED BY/DUE DATE:	9/15/2022	SUBMITTED BY:	HPA Engineering
PART CSN:	33578.00	EMAIL:	eng.concessions@hawker.com
PART TSN:	43019:27	PHONE NUMBER:	+1 (818) 765-6201 x449

**ELEB****CUSTOMER
SUPPORT****ELEB Equipamentos Ltda.**

Rua Itabaiana, 40 – 12237-540 - São José dos Campos - SP – Brazil

Technical Disposition**ELEB-TD 2022-028296**

REV.: /

SUBJECT**EMB-145 MLG Main Side Strut Central Axle Repair****CONTACT**

To: Hawker Pacific Aerospace (HPA)
Phone: +1-818- 765-6201 x449
joshua.domantay@hawker.com

From: ELEB Customer Support Engineering
Phone: + 55 12 3935-5313/5456/5216
technicalsupport.eleb@embraer.com.br

IDENTIFICATION

Operator / Customer:	A/C:	A/C S/N / REG:	FH:	FC:
Delux Public Charter - JETSUITEX	EMB-145	145501 (N48901)	N/I	N/I

Part Number:	Part Number S/N:	FH:	FC:	Assembly (NHA) P/N / S/N
2309-3516-001	OF1806217/04	43019:27	33578.00	N/I

REPAIR DATA

Repair Classification: <i>(made by requester)</i>	Minor	Reference:	# B
Permanente Repair?	Yes	Limitation for temporary repair:	Not applicable

RULES

- The technical disposition contained in this document is based solely on the data explicitly reported by the Customer. As no other information was provided by the Customer, ELEB assumes that the area/structural component(s) related to this technical disposition did not have any other previous damage and/or repair incurred to it. Therefore, ELEB disclaims any and all responsibility for incorrect, inaccurate or incomplete information provided by the Customer related to this matter.
- In case of any conflict between this document and any mandatory requirements issued by the Local Regulatory Authority, including but not limited to Airworthiness Directives, the Local Regulatory Authority document/orientation shall prevail.
- The contents herein are intended for information only and do not constitute airworthiness release approval. Any such approval must be given by the owner or operator of the aircraft according to the local regulatory authority procedures.

REFERENCES

- # A: E-mail received from Mr. Josh Domantay on September 8, 2022;
- # B: Inspection Discrepant Report # IDR 37158;
- # C: CMM TP 145/1190_32-10-03;
- # D: Drawing 2309-3516 Rev. "/";
- # E: GSC-296/08 *(For internal reference only)*.

REVISION HISTORY

Rev. /: First issue.

This document was electronically signed by	Auster W. Silva (awsilva)	September 9, 2022	Page 1 of 3
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Technical Disposition

ELEB-TD 2022-028296

REV.: /

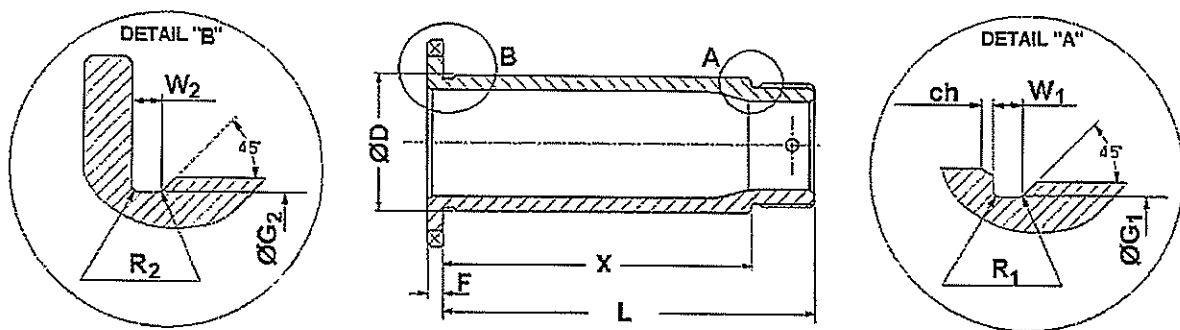
DESCRIPTION / REPORT / REQUEST

As per reported by HPA through reference # B:

"Subject part's flange face received with corrosion. Corrosion was removed. All other dimensions are within CMM limits

Proposed Resolution:

- Perform NDT to ensure defect-free condition. - Shot peen flange face per AMS2430.- Apply sulfamate nickel plate on flange face.- Complete repair and overhaul per CMM."



	Ø D	F	L	X
Repair	Not machined	(0.1690") 4.293 mm	Not informed	Not informed
Design Limit	38.036 to 38.075 mm (final diameter - After chrome plating)	4.5 ± 0.25 mm	106.15 mm (maximum)	87.5 ± 0.3 mm

	Groove Detail "A"				Groove Detail "B"		
	ØG ₁	R ₁	W ₁	ch	ØG ₂	R ₂	W ₂
Repair	Not machined	Not machined	Not machined	Not machined	Not machined	Not informed	Not informed
Design Limit	32.6 mm (minimum)	0.4 +0.4/ - 0 mm	2 ± 0.2 mm	1.5 ± 0.25 mm	37.897 mm (minimum)	0.4 ± 0.1 mm	4 mm maximum (After run out area)

Material removed from inner head face = 0.0100" (0.254 mm).

Technical Disposition

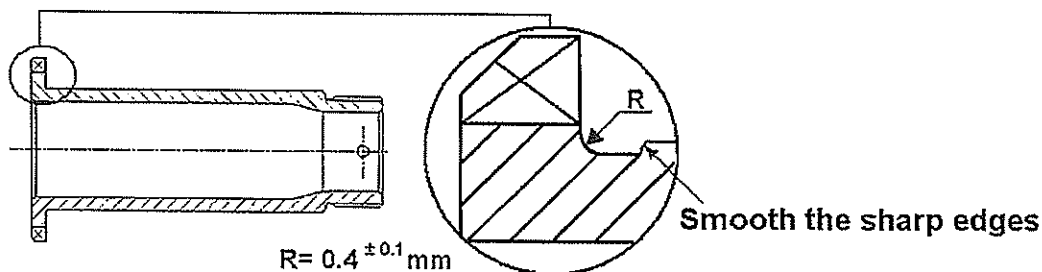
ELEB-TD 2022-028296

REV.: /

TECHNICAL DISPOSITION

Provided that procedure below is accomplished, ELEB agrees that this unit is structurally and functionally acceptable to return to service:

1. Make sure that the radius is within of the allowed dimension below in order to avoid stress concentration in this area:



2. Remove the sharp edges in the run out area;
3. Do the stress relief of the part at a temperature of 190°C $\pm$ 5°C (374°F $\pm$ 9°F) for 4 hours minimum, within 8 hours after the machining process is completed;
4. Perform a non destructive inspection in the repaired area according to CMM TP145/1190_32-10-03 section 501;
Note: Cracks and corrosion are not allowed;
5. If no cracks and corrosion are found, restore the remaining original surface treatment according to TP145/1190_32-10-03 section 601/table601;

REMARK:

If the hydrogen embrittlement relief (Refer to AMS 2759/9), required after the Cadmium Plating Restoration or/and Chrome Plating Restoration was done respecting the required delay time for the applicable process as per CMM specifications and the part was successfully approved by the NDT, it is not necessary to do the stress relief treatment (Step 3 above).

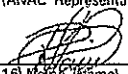


Landing Gear Maintenance Report

E145 RH MLG SIDE STRUT ASSY

Sales Order: 660041926	
Mfg P/N: 2309-3500-503	A/C: N48901
Mfg S/N: 482	MSN: 501
CPN: N/A	PO: RO-3180-145501

Certificates for New Parts

1 País (Country) BRASIL		2 Título (Title) AGÊNCIA NACIONAL DE AVIAÇÃO CIVIL (BRAZILIAN CIVIL AVIATION AUTHORITY) CERTIFICADO DE LIBERAÇÃO AUTORIZADA (AUTHORIZED RELEASE CERTIFICATE) ETIQUETA DE APROVAÇÃO DE AERONAVEGABILIDADE (AIRWORTHINESS APPROVAL TAG) FORMULÁRIO (FORM) F-100-01 (SEGVÃO 003)			3 Certificado No. (Certificate No./System tracking Ref.) 2003776856	
4 Empresa (nome e endereço) (Organization Name and Address) Embraer S.A. 276 S.W. 34th Street - Ft. Lauderdale, FL 33315 - COP E-7203-01				5 Ordem de Serviço/Contrato/Nota Fiscal (Work Order, Contract or Invoice) 0070986662		
6 Item (Item)	7 Descrição (Description)	8 Número da Peça (Part Number)	9 Quantidade (Quantity)	10 Número da Série/Lote (Serial/Batch Number)	11 Categoria/Trabalho (Status/Work)	
000001	MAIN LOWER SIDE STRUT, AS	2309-2510-505	1	1895430/001	NEW	
12 Observações (Remarks) Export. MAIN LOWER P/N 2309-2532-001 S/N 3030166 Doc. Ref.(Ref. Document): 0802608768 / 2022.						
Partes com vida limitada devem ser acompanhadas de histórico de manutenção incluindo tempo total/ciclo total/tempo desde que novo. (Limited life parts must be accompanied by maintenance history including total time/total cycles/time since new.)						
13 Certifica que o(s) item(s) acima identificado (s) foi (foram) fabricados (s) em conformidade aos: (Certifies that the item(s) identified above was (were) manufactured in conformity to:)			18 ☐ Retorno ao serviço de acordo com RBAC 43.9 (Return to service in accordance with RBAC 43.9) ☐ Outros regulamentos especificados no bloco 12 (Others regulations specified in block 12)			
☒ dados de projeto aprovados e está (ão) em condição segura de operação (approved design data and are in a condition for safe operation)			Certifica que, a menos especificado no bloco 12, o trabalho especificado no bloco 11, e descrito no bloco 12, foi executado de acordo com o Regulamento Brasileiro da Aviação Civil - RBAC 43 e, em relação ao trabalho realizado, a (s) peça (s) é (são) aprovada (s) para retorno ao serviço.			
☐ dados de projeto não aprovado especificados no bloco 12 (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, was accomplished in accordance with Brazilian Civil Aviation Regulations - RBAC 43 and in respect to the work performed the part(s) is (are) approved for return to service.)			
14 Assinatura do Representante da ANAC (ANAC Representative Signature) 		15 No. Autorização da ANAC (ANAC Authorization No.) DQI 2020-044 / COP E-7203-01		19 Pessoa Autorizada (Authorized Signature)		20 No. COM/COA (Certificate Number)
16 Nome (Name) Reginaldo L. Palm		17 Data (Date) 22JUL/2022		21 Nome (Name)		22 Data (Date)
* O INSTALADOR DEVE FAZER VERIFICAÇÃO CRUZADA DA APLICABILIDADE ATRAVÉS DOS DADOS TÉCNICOS APLICÁVEIS (INSTALLER MUST CROSS CHECK ELIGIBILITY WITH APPLICABLE TECHNICAL DATA) RESPONSABILIDADE DO USUÁRIO / INSTALADOR (USER / INSTALLER RESPONSIBILITY) É IMPORTANTE COMPREENDER QUE A EXISTÊNCIA DESTA DOCUMENTO POR SI SÓ NÃO CONSTITUI AUTOMATICAMENTE UMA AUTORIZAÇÃO PARA INSTALAR A PARTE/COMPONENTE/CONJUNTO. IT IS IMPORTANT TO UNDERSTAND THAT THE EXISTENCE OF THIS DOCUMENT ALONE DOES NOT AUTOMATICALLY CONSTITUTE AUTHORITY TO INSTALL THE PART/COMPONENT/ASSEMBLY. SE O TRABALHO DO USUÁRIO/INSTALADOR É REALIZADO DE ACORDO COM OS REGULAMENTOS NACIONAIS DE UMA AUTORIDADE DE AERONAVEGABILIDADE DIFERENTE DA AUTORIDADE DE AERONAVEGABILIDADE DO PAÍS ESPECIFICADO NO BLOCO 1, É ESSENCIAL QUE O USUÁRIO/INSTALADOR ASSEGURE QUE A SUA AUTORIDADE DE AERONAVEGABILIDADE ACEITA PARTES/COMPONENTES/CONJUNTOS DA AUTORIDADE DE AERONAVEGABILIDADE DO PAÍS ESPECIFICADO NO BLOCO 1. (WHERE THE USER/INSTALLER WORK IS PERFORMED 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.) AS DECLARAÇÕES NOS BLOCOS 13 E 18 NÃO CONSTITUEM UM CERTIFICADO DE INSTALAÇÃO. EM TODOS OS CASOS, OS REGISTROS DE MANUTENÇÃO DA AERONAVE DEVEM CONTER UM CERTIFICADO DE INSTALAÇÃO EMITIDO DE ACORDO COM REGULAMENTOS NACIONAIS PELO USUÁRIO/INSTALADOR ANTES QUE A AERONAVE POSSA SER LIBERADA PARA VOO. (STATEMENTS IN BLOCK 13 AND 18 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.)						



Landing Gear Maintenance Report

E145 RH MLG SIDE STRUT ASSY

Sales Order: 660041926	
Mfg P/N: 2309-3500-503	A/C: N48901
Mfg S/N: 482	MSN: 501
CPN: N/A	PO: RO-3180-145501

Previous Operator Traceability

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AC: N48901

Position: RH

■ P/N: 2309-3500-503

P/N S/N: 482

MAIN SIDE STRUT ASSY

Batch: 2178579

Control Items	Description	SCHEDULE				ACTUAL				REMAINING			STATUS
		Hours	Cycles	Days	Date	Hours	Cycles	Days	Reset Date	Hours	Cycles	Days	
MLG SIDE STRUT REST	UNSCHED - T/C "MAIN GEAR REMOVE"		20000	4380		6408:42	14563	1475	10/01/2016	0:00	5437	2905	OPEN
TSI						18241:02	14563	1475	10/01/2016	0:00	0	0	
TSN						43019:27	33578	1475	10/01/2016	0:00	0	0	

■ P/N: 2309-2502-501

P/N S/N: OF513189-4/08

MLG MAIN UPPER SIDE STRUT ASSY

Batch: 2177739

Control Items	Description	SCHEDULE				ACTUAL			REMAINING			STATUS
		Hours	Cycles	Days	Date	Hours	Cycles	Days	Hours	Cycles	Days	
MLG SIDE STRUT REST	UNSCHED - T/C "MAIN GEAR REMOVE"		20000	4380		18241:14	14563	3231	0:00	5437	1149	OPEN
MLG UPPER MAIN SIDE STRUT	(LIFE LIMITED PART) UNSCHED - T/C "MAIN GEAR REMOVE"		60000			43019:39	33578	3231	0:00	26422	0	OPEN
TSI						18241:14	14563	3231	0:00	0	0	
TSN						43019:39	33578	3231	0:00	0	0	

■ P/N: 2309-2524-001

P/N S/N: OF2028266/08

MLG MAIN UPPER SIDE STRUT

Batch: 7574573

Control Items	Description	SCHEDULE				ACTUAL			REMAINING			STATUS
		Hours	Cycles	Days	Date	Hours	Cycles	Days	Hours	Cycles	Days	
MLG UPPER MAIN SIDE STRUT	(LIFE LIMITED PART) UNSCHED - T/C "MAIN GEAR REMOVE"		60000			43019:39	33578	3231	0:00	26422	0	OPEN
TSI						18241:14	14563	3231	0:00	0	0	
TSN						43019:39	33578	3231	0:00	0	0	

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■ P/N: 2309-2510-505

P/N S/N: 4800399-08

Control Items	Description
MLG LOWER MAIN SIDE STRUT	(LIFE LIMITED PART) UNSCHED - T/C "MAIN GEAR R/R"
MLG SIDE STRUT REST	UNSCHED - T/C "MAIN GEAR REMOVE"
TSI	
TSN	

MLG MAIN LOWER SIDE STRUT ASSY

Batch: 2180996

SCHEDULE				ACTUAL			REMAINING			STATUS
Hours	Cycles	Days	Date	Hours	Cycles	Days	Hours	Cycles	Days	
	60000			6408:42	33578	1475	0:00	26422	0	OPEN
	20000	4380		10428:38	8416	2101	0:00	11584	2279	OPEN
				43019:27	33578	1475	0:00	0	0	
				43019:27	33578	1475	0:00	0	0	

■ P/N: 2309-2532-001

P/N S/N: OF3183512/09

Control Items	Description
MLG LOWER MAIN SIDE STRUT	(LIFE LIMITED PART) UNSCHED - T/C "MAIN GEAR R/R"
TSI	
TSN	

MLG MAIN LOWER SIDE STRUT

Batch: 7578597

SCHEDULE				ACTUAL			REMAINING			STATUS
Hours	Cycles	Days	Date	Hours	Cycles	Days	Hours	Cycles	Days	
	60000			10428:38	8416	2101	0:00	51584	0	OPEN
				43019:27	33578	3230	0:00	0	0	
				43019:27	33578	3230	0:00	0	0	

■ P/N: 2309-3515-001

P/N S/N: OF3797507-02

Control Items	Description
MLG MAIN SIDE STRUT SHAFT	(LIFE LIMITED PART) UNSCHED - T/C "MAIN GEAR REMOVE"
TSI	
TSN	
UPRAXL LIFE35K	UNSCHED - T/C "MAIN GEAR REMOVE"

SHAFT, MLG SIDE STRUT

Batch: 2181387

SCHEDULE				ACTUAL			REMAINING			STATUS
Hours	Cycles	Days	Date	Hours	Cycles	Days	Hours	Cycles	Days	
	60000			6408:42	33578	1475	0:00	26422	0	OPEN
				43019:27	33578	1475	0:00	0	0	
				43019:27	33578	1475	0:00	0	0	
				0:00	0	0				TERMINATED

■ P/N: 2309-3516-001

P/N S/N: 1806217/04

Control Items	Description
MLG MAIN SIDE STRUT PIVOT PIN	(LIFE LIMITED PART) UNSCHED - T/C "MAIN GEAR REMOVE"
TSI	
TSN	

PIVOT PIN, MLG MAIN SIDE STRUT

Batch: 2179300

SCHEDULE				ACTUAL			REMAINING			STATUS
Hours	Cycles	Days	Date	Hours	Cycles	Days	Hours	Cycles	Days	
	60000			6408:42	33578	1475	0:00	26422	0	OPEN
				43019:27	33578	1475	0:00	0	0	
				43019:27	33578	1475	0:00	0	0	

P/N Detail Print

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■ P/N: 2309-3706-401

P/N S/N: 1313295/001

CARDAN ASSY, MLG MAIN SIDE STRUT

Batch:

2332671

Control Items Description

TSI

TSN

SCHEDULE				ACTUAL			REMAINING			STATUS
Hours	Cycles	Days	Date	Hours	Cycles	Days	Hours	Cycles	Days	
				18241:02	14563	1475	0:00	0	0	
				18241:02	14563	1475	0:00	0	0	

CUSTOMER: JSX

PART NUMBER: 2309-3500-503

SERIAL NUMBER: 482

Assembly CSN: N/A

Assembly CSO: N/A

Date of Last Overhaul: N/A

Date Removed: N/A

Sub Part details

Part No received	Nomenclature	Actual Serial Number from records	Life Limit	CSN	Cy Rem
2309-2515-001	Shaft		60,000		
2309-3515-001	Shaft		60,000		
2309-2524-001	Upper Main Side		60,000		
2309-2532-001	Lower Main Side		60,000		
2309-3516-001	Pivot Pin	OF1806217/04	60,000	33,578	26,422
2309-3516-001	Pivot Pin		60,000		

Customer Name Signature James Weaver

Customer Title Chief Inspector

Date Created 10/11/2022