

1. Approving Civil Aviation Authority / Country Transport Canada		2. AUTHORIZED RELEASE CERTIFICATE Form One			3. Form Tracking No. W106403	
4. Organization Name and Address AVIATECHNIK CORPORATION 710 Gana Court Mississauga, ON, Canada, L5S 1P2		Aviatechnik Corporation Tel: 905-890-7778 www.aviatechnikcorp.com		5. Work Order / Contract / Invoice R657936		
6. Item	7. Description	8. Part No.	9. Qty.	10. Serial / Batch No.	11. Status / Work	
1	Shock Strut, Assy RH MLG	4260A0000-02 Amdt. A, 02	1	05345	Repaired	
12. Remarks:						
* Repaired in accordance with CMM # 32-11-15, Rev # 15 dated 31 August 2022 and CRM # 32-11-15-RM, Rev # 9 dated 31 August 2022. * Full details of work performed in work order W106403. * For the replacement parts refer to Teardown Report. * Airworthiness Directives 2019-11-07, 2018-07-01 and Service Bulletins 190-32-0077 R2, 190-32-0065 R3 incorporated. * Landing Gear Log Card attached. * CSN-20185; CSO-3861. * Overhauled on 13 June 2018.						
13a. Certifies that 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. ☒ CAR 571.10 Maintenance Release. ☐ Other regulations specified in block 12.						
Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the Canadian Aviation Regulations.						
13b. Signature	13c. Approved Organization Number	14b. Signature		14c. Approved Organization Number		
				50-12		
13d. Name	13e. Date (dd/mm/yyyy)	14d. Name		14e. Date (dd/mm/yyyy)		
		Alexey Baydala		29/Oct/2024		
(Previously form 24-0078)						
Installer Responsibilities This certificate does not constitute authority to install. Installer working in accordance with the national regulations of a country other than that specified in block 1, must ensure that their regulations recognize certifications from the country specified. Statements in blocks 13a and 14a do not constitute installation certification. In all cases, the technical record must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.						



LANDING GEAR LOG CARD

UNIT: Shock Strut MLG

PART NO: 1260A0000-02

AUTHORIZED OVERHAUL LIFE: 25000 cyc/12 years

SERIAL NO: 05345

AIRCRAFT INSTALLATION RECORDS

Aircraft Reg./Con. No.	FITTED TO AIRCRAFT				REMOVED FROM AIRCRAFT				REASON FOR REMOVAL
	DATE	C.S.O.	C.S.N.	A/F CYCLES	DATE	C.S.O.	C.S.N.	A/F CYCLES	
		3,861	20,185						

PRIMARY MEMBER RECORDS

DESCRIPTION	PART NO.	SERIAL NO.	FITTED TO GEAR			REMOVED FROM GEAR			REASON FOR REMOVAL
			DATE	C.S.O.	C.S.N.	DATE	C.S.O.	C.S.N.	
Tube, Inner	2821-0080	HM00323	29/Oct/2024	3,861	20,185				
Pintle Pin	2821-0025	L118	29/Oct/2024	3,861	18,418				
Pintle Pin	2821-0067	L130	29/Oct/2024	3,861	18,418				
Main Fitting, RH	2822-0111 (2822A0100-02)	L0104	29/Oct/2024	3,861	21,206				
Sliding Tube	2821-0221 (2821A0200-02)	L0566	29/Oct/2024	3,861	20,185				
Wheel Axle	2821-0202	L100	29/Oct/2024	3,861	18,400				
Torque Link, UPR	2821-0310 (2821A0300-03)	L0387	29/Oct/2024	3,861	20,185				
Torque Link, LWR	2821-0410 (2821A0400-02)	L0496	29/Oct/2024	3,861	20,185				
Bolt	2821-0622	570	29/Oct/2024	3,861	20,185				
Bolt	2821-0082	L171	29/Oct/2024	3,861	20,185				
Bolt	1840-0021	L1078	29/Oct/2024	3,861	20,185				
Bolt	2821-0001	L392	29/Oct/2024	3,861	20,185				
Shimmy Damper	2265A0000-03	01184	29/Oct/2024	3,861	18,645				

[illegible]

1. For ultimate lives and/or inspection requirements, refer to Aircraft MRBR and to the appropriate Embraer/Liebherr Service Bulletin.
2. It is the Operator's responsibility to ensure these records are fully and accurately maintained.
3. Lives of primary members shall be maintained. Failure to comply may result in premature scrap.
4. Should a primary member be removed from the unit it must be suitably tagged to indicate consumed life.
5. If the Part No. is changed a new Log Card must be completed, transferring relevant information from the previous Card.
6. The Log Card was created refer to client's provided documents.

W 106403



C&L Aerospace

Bangor

(Main Office)

40 Wyoming Ave
Bangor, ME 04401
Tel: +1 207 237 8050
Fax: +1 207 945 0992

Australia

48H, 14 849 086 590

5/32 Wendarah St
Stafford QLD 4053
Tel: +61 3354 8100
Fax: +61 3353 8111

United Kingdom

Heedcorn Road
Sutton Valence, ME17 3EL
Great Britain
Tel: +44 (0) 1622 960 117

Repair Order

Order #: R657936

Account Number:

Date Printed: 29 Aug 2024

Time: 9:51:38 AM

No. of Items: 1

Page: 1

Contact: Robert Howard

Email: Repairs@CLA.Aero

To:

ATTN: NATALIYA NECHYPORENKO
AVIATECHNIK CORPORATION
710 GANA COURT
MISSISSAUGA, ON L5S1P2
Canada
PHONE: 905 890 7778

Ship To:

C & L AEROSPACE
40 WYOMING AVE
BANGOR, ME 04401
USA

Ship Via: TBA

RO Date: 5/14/2024

Ship Via Acc:

Warranty: No

Terms: NET 30

All items subject to our inspection and acceptance

Item	Part Number/Description	CD	Qty	UOM	Serial	Return Date	Line Amt
1	4260A0000-02 MLG SHOCK STRUT SO #: Parts: \$0.00 Labor: \$5,000.00 Misc: \$0.00 Instructions: PLEASE INSPECT AND QUOTE TO TEST/INSPECT/RECERTIFY *PLEASE PROVIDE QUOTE WITHIN TWO WEEKS AFTER PART ARRIVES TO SHOP *PLEASE PROVIDE ONE QUOTE UTILIZING ALL NEW PARTS, AND A SECOND QUOTE PROVIDING AS MANY PMA, EPA AND SERVICABLE PARTS AS POSSIBLE *INDIVIDUAL PARTS LIST AND PRICING WITH QUOTE IS REQUIRED **TRIPLE RELEASE (FAA, EASA, TCCA) CERTIFICATION REQUIRED(SEPARATE 8130, FORM ONE, AND TCCA CERTS TOGETHER ARE ALSO ACCEPTABLE.) *PLEASE ALSO INCLUDE CAA FORM 1 AS SEPERATE CERTIFICATION * ORIGINAL TEARDOWN REPORT REQUIRED. * DER REPAIRS OR DAR MUST BE DISCLOSED AT	AR	1.00	EA	05345	25 Oct 2024	\$5,000.00

See last page for totals

Authorized Signature: Robert Howard

Standard Terms & Conditions:

- Please ensure that the Repair Order is read carefully as failure to comply with the requirements will result in the Supplier being responsible for any charges incurred for the return of the goods to the Suppliers premises.
- All goods purchased through this Repair Order are subject to a quality inspection to be carried out by C&L Aerospace
- C&L Aerospace reserves the right to return any goods that do not meet the requirements of the purchase order or are faulty in any way up to 30 days after receipt of consignment.
- This repair order is only valid when accompanied by an authorised signature.
- For Exchange transactions, the Seller agrees to, when applicable:
 - A part known to have been subjected to conditions of extreme stress, heat, or environment are so identified.
 - All Airworthiness Directives (AD's) that are represented as having been accomplished are documented.
 - Items identified as OH, Repaired, Inspected, or Modified have the appropriate signed and dated documentation attached

W 106403
Repair Order



Bangor
(Main Office)
40 Wyoming Ave
Bangor, ME 04401
Tel: +1 207 217 8050
Fax: +1 207 945 0992

Australia
A&N 14 949 088 590
5/37 Wendorah St
Stafford QLS 4053
Tel: +61 3354 0100
Fax: +61 3353 0181

United Kingdom
Heedcom Road
Sutton Valence, ME17 3EL
Great Britain
Tel: +44 (0) 1622 960 117

C&L Aerospace

www.cla.aero

Order #: R657936
Account Number:
Date Printed: 29 Aug 2024
Time: 9:51:39 AM
No. of Items: 1
Page: 2

Contact: Robert Howard

Email: Repairs@CLA.Aero

To:

ATTN: NATALIYA NECHYPORENKO
AVIATECHNIK CORPORATION
710 GANA COURT
MISSISSAUGA, ON L5S1P2
Canada
PHONE: 905 890 7778

Ship To:

C & L AEROSPACE
40 WYOMING AVE
BANGOR, ME 04401
USA

Ship Via: TBA

RO Date: 5/14/2024

Ship Via Acc:

Warranty: No

Terms: NET 30

All items subject to our inspection and acceptance

Item	Part Number/Description	CD	Qty	UOM	Serial	Return Date	Line Amt
	THE TIME OF QUOTING. * MANUAL REFERENCE & REVISION # MUST BE REFERENCED IN CERTIFICATION. *CURRENT REVISION OF THE APPLICABLE CMM MUST BE USED UNLESS OTHERWISE APPROVED BY C&L AEROSPACE AND ANY COSTS TO BRING A UNIT IN LINE WITH THE CURRENT REV. AFTER RELEASE WILL BE FOR THE SHOP, INCLUDING, AND NOT LIMITED TO FREIGHT, PARTS AND LABOR. * SHIPPER RESPONSIBLE FOR DAMAGE TO POORLY PACKAGED ITEMS. * SHIPPER RESPONSIBLE FOR PROPER CUSTOMS PAPERWORK FOR INTERNATIONAL SHIPMENTS. * WORK PERFORMED MUST BE DONE IAW CURRENT OEM TECH DATA OR FAA APPROVED DATA.. * PART NUMBER MUST BE IDENTIFIED ON PART IF NOT VISIBLE. * SERIAL NUMBER MUST BE IDENTIFIED ON PART IF NOT VISIBLE AND ASSIGNED IF PART DOES NOT ALREADY HAVE A S/N. *PLEASE DO NOT INCLUDE ANY INVOICES OR PAPERWORK THAT INCLUDES PRICING IN THE RETURN SHIPMENT						

Parts Total: \$0.00

Labor Total: \$5,000.00

Misc Total: \$0.00

Total: \$5,000.00

US Dollars

Authorized Signature: Robert Howard

Standard Terms & Conditions:

- Please ensure that the Repair Order is read carefully as failure to comply with the requirements will result in the Supplier being responsible for any charges incurred for the return of the goods to the Suppliers premises.
- All good purchased through this Repair Order are subject to a quality inspection to be carried out by C&L Aerospace
- C&L Aerospace reserves the right to return any goods that do not meet the requirements of the purchase order or are faulty in any way up to 30 days after receipt of consignment.
- This repair order is only valid when accompanied by an authorised signature.
- For Exchange transactions, the Seller agrees to, when applicable:
 - A part known to have been subjected to conditions of extreme stress, heat, or environment are so identified.
 - All Airworthiness Directives (AD's) that are represented as having been accomplished are documented.
 - Items identified as OH, Repaired, Inspected, or Modified have the appropriate signed and dated documentation attached

LIMITED LIABILITY COMPANY**«AIRCOMPANY «IKAR»**

Karagandinskaya st. 58/1, building 4, office 9,
Orenburg region, Orenburg, 460036, Russia
Correspondence address:
Karagandinskaya st. 58/1, building 4, office 9,
Orenburg region, Orenburg, 460036, Russia
phone +7 (3532) 48 79 99

W 10 6 4 0 3

Date: 20 September 2022

Landing Gear Status / Statement

To Whom It May Concern:

Aircraft Embraer 190-100LR MSN 19000259 reg. VP-BZJ, has been operated by LLC «Aircompany «IKAR» during the period from 17 August 2018 (TAH 20038,67 and TAC 12382) to 15 September 2022 (TAH 27140:53 and TAC 16241) had below listed Landing Gear assemblies installed:

Description	Type/Part No.	Serial No.	TSN	CSN
Nose Landing Gear	190-70450-403	00146	29076:20	22518
LH Main Landing Gear	4259A0000-02	00350	26310:13	20194
RH Main Landing Gear	4260A0000-02	05345	26273:13	20185

I hereby certify that the above stated Landing Gear Assemblies and all its major components as delivered to LLC «Aircompany «IKAR», and during the period stated above, were not removed and remain fitted to the Airframe MSN: 19000259 at re-delivery.

Authorised Airline Representative

Signature: _____

Name: Aleksandr Trushliakov

Position: E190 systems lead engineer

Date: 20-September-2022

RIGHT MAIN LANDING GEAR LLP STATUS

W 106403

MSN: 19000259
Registration: VP-BZJ
TSN: 27140:53
CSN: 16,241

Date: 14-Sep-2022

LIMITED LIABILITY COMPANY
«AIRCAMPANY «KAR»
Karagandinskaya st. 58/1, building 4,
office 9,
Orenburg region, Orenburg, 460036,
Russia
Correspondence address:
Karagandinskaya st. 58/1, building 4,
office 9,
Orenburg region, Orenburg, 460036,
Russia

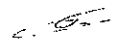
RH MLG DATA	LAST SHOP VISIT	MLG WHEN INSTALLED	MLG CURRENT
INSTALLATION DATE: 04-Aug-17	CSN: 16,324	CSN: 16,324	CSN: 20,185
RH MLG PIN: 4260A0000-02	CSO: 0	CSO: 0	CSO: 3,861
RH MLG SN: 5345	DATE: 20/01/2017	TSN: -	CSInstall: 3,861
	TSN: -	A/C FH: -	TSN: -
		A/C FC: 12,380	

RH MLG - Shock Strut Assy	4260A0000-02	5345	16,324	3,861	20,185			
NOMENCLATURE	PART NUMBER	SERIAL NUMBER	CYCLES AT INSTALLATION	CSI	CSN CURRENT	LIFE LIMIT	REMAIN	Aircraft CSN at inst
TUBE INNER	2821-0080	HM00323	16,324	3,861	20,185	56000	35,815	12,380
PINTLE PIN FWD	2821-0025	L118	14,557	3,861	18,418	56000	37,582	12,380
PINTLE PIN AFT	2821-0067	L130	14,557	3,861	18,418	56000	37,582	12,380
MAIN FITTING RH	2822-0111	L0104	17,345	3,861	21,206	56000	34,794	12,380
SLIDING TUBE	2821-0221	L0566	16,324	3,861	20,185	56000	35,815	12,380
MLG AXLE	2821-0202	L100	14,539	3,861	18,400	56000	37,600	12,380
TORQUE LINK, UPPER	2821-0310	L0387	16,324	3,861	20,185	56000	35,815	12,380
TORQUE LINK, LOWER	2821-0410	L0496	16,324	3,861	20,185	56000	35,815	12,380
BOLT, LOWER CARDAN	2821-0622	570	16,324	3,861	20,185	56000	35,815	12,380
SHIMMY DAMPER	2265A0000-03	1184	14,784	3,861	18,645	56000	37,355	12,380
BOLT	2821-0082	L171	16,324	3,861	20,185	56000	35,815	12,380
BOLT	1840-0021	L1078	16,324	3,861	20,185	56000	35,815	12,380
BOLT	2821-0001	L392	16,324	3,861	20,185	56000	35,815	12,380

RH MLG - Locking Stay Assy	190-70250-409	00431	16,333	3,861	20,194			
NOMENCLATURE	PART NUMBER	SERIAL NUMBER	CYCLES AT INSTALLATION	CSI	CSN CURRENT	LIFE LIMIT	REMAIN	Aircraft CSN at inst
Stay, Locking Upper	190-70262-007	1479939/001	0	3,861	3,861	56000	52,139	12,380
Stay, Locking Lower	190-70264-005	AP0400	16,333	3,861	20,194	56000	35,806	12,380
Bolt	170-70274-001	1181695/023	16,333	3,861	20,194	56000	35,806	12,380

RH MLG - Side Stay Assy	190-70200-402	00045	16,333	3,861	20,194			
NOMENCLATURE	PART NUMBER	SERIAL NUMBER	CYCLES AT INSTALLATION	CSI	CSN CURRENT	LIFE LIMIT	REMAIN	Aircraft CSN at inst
Stay, Lower	190-70162-003	AP0539	16,333	3,861	20,194	44000	23,806	12,380
Stay, Upper	190-70154-003	AP0472	16,333	3,861	20,194	44000	23,806	12,380
Bolt	190-70156-003	1203078/006	16,333	3,861	20,194	56000	35,806	12,380
Crank Bolt	190-70164-005	1178647/003	16,333	3,861	20,194	56000	35,806	12,380
Side Stay Pivot Bolt	190-70195-001	1455558/004	0	3,861	3,861	56000	52,139	12,380

Authorised Airline Representative

Signature: 
Name: Aleksandr Trushliakov
Position: E190 systems lead engineer
Date: 14 Sep 2022

**Subject: Non Accident / Incident Statement****Date: May 10th, 2017****To whom it may concern:****Model: ERJ190****Aircraft Serial Number: 259****Aircraft Registration: N982TA****Manufacturer: EMBRAER****Total Time: 20037.40****Total Cycles: 12381**

This is to confirm that, the above referenced Aircraft and its associated components were operated by TACA since 30 March 2009 up to re-delivery to Nordic Aviation Capital. During that period of time, the above referenced equipment has not been involved in any accident (according to I. C. A. O. Annex 13 Paragraph B) or serious incident (according to I. C. A. O. Annex 13 Chapter 1).

This Aircraft has not been involved in any Major failure or fire, extreme stress or neither over-temperature outside of normal operation nor any part fitted was obtained from any government or military source and they were not immersed in salt water during its operation with TACA Group.


Godofredo Ortiz
TACA International Airlines, S. A.
Quality Control Inspector

Copa Airlines

Copa Airlines - Technical Records

NO ACCIDENT/INCIDENT LETTER**QA-030-2016**

May 03, 2016

To whom it may concern:

It is hereby declared to the best of our knowledge, the parts listed below and its subassemblies have not been involved in any serious incident (fire, crash, failure) or accident during its time in service on ERJ-190-100 LR / SN 19000200.

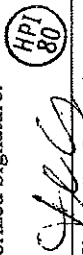
Description	Part Number Detail	Serial Number	TSN at Removal	CSN at Removal
NLG Shock Strut	190-70453-401	00223	19,171 :01	16,324
NLG Drag Brace	190-70550-403	00285	19,171 :01	16,324
NLG Locking Stay	190-70650-401	00237	19,171 :01	16,324
MLG Shock Strut LH	4259A0000-02	00344	19,171 :01	16,324
MLG Side Stay LH	190-70200-401	00038	19,171 :01	16,324
MLG Locking Stay LH	190-70250-409	00472	19,171 :01	16,324
MLG Shock Strut RH	4260A0000-02	05345	19,171 :01	16,324
MLG Side Stay	190-70200-402	00035	19,171 :01	16,324
MLG Locking Stay	190-70250-409	00471	19,171 :01	16,324
Shimmy Damper Assy	2265A0000-03	00585	19,171 :01	16,324

Parts were installed on Jul 15th, 2008 and removed from ERJ-190-100 LR / SN 19000200 on April 16, 2016.

Best Regards,

VIRGILIO DE MARES
QA Manager

Virgilio José De Mares
QA Manager

1. Approving Civil Aviation Authority / Country FAA / United States		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, Airworthiness Approval Tag		3. Form Tracking Number: 107130	
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 Number: 660009331 /	
6. Item	7. Description	8. Part Number	9. Quantity	10. Serial Number	11. Status/Work
1	STRUT, MAIN LANDING GEAR	4260A0000-02	1	05345	OVERHAULED
12. Remarks: Life Details: TSN: 19171:01 CSN: 16324 TSO: ZERO CSO: ZERO PO: Y0008617 OVERHAULED IN ACCORDANCE WITH LIEBHERR CMM CHAPTER 32-11-15 REV. 08 DATED 15SEP2014, CRM 32-11-15-R REV. 02 DATED 14NOV2014. ACCOMPLISHED EMBRAER SB 190-32-0010, SB 190-32-A033, SB 190-32-0037, SB 190-32-0039, SB 190-32-0040, AND SB 190-32-0054. COMPLIED WITH THE FOLLOWING TECHNICAL DISPOSITION(S): FAA2016-069 DATED 07JUL2016, FAA2016-070 DATED 07JUL2016, L-4265-ED-0009 ISSUE 02 DATED 17JAN2014, L-6011-ED-0009 ISSUE 01 DATED 26OCT2010, AND L-6011-ED-0011 ISSUE 01 DATED 09DEC2010 ***AMENDMENT: A, 02*** NOTE: PN CHANGED TO 4260A0000-02 FROM 4260A0000-01 DUE TO SB 190-32-0037. SEE ATTACHMENTS FOR NIS, AD/SB STATUS AND LLP DATA. THIS FAA FORM 8130-3 CORRECTS THE ERRORS IN BLOCK 12 OF THE 8130-3 107130 DATED 20JAN2017 AND DOES NOT COVER CONFORMITY/CONDITION/RELEASE TO SERVICE.					
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.					
13b. Authorized Signature:		13c. Approval / Authorization No.:		14a. ☒ 14 CFR 43.9 Return to Service 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.	
13d. Name:		13e. Date:		14b. Authorized Signature:  HPI 80	
13d. Name:		13e. Date:		14c. Approval Certificate No.: RJ3R817L	
13d. Name:		13e. Date:		14e. Date: (dd/mm/yyyy) 13.Jun.2018	
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 of 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.

LIFE LIMIT REPORT

11240 SHERMAN WAY
SUN VALLEY, CA 91352

HAWKER PACIFIC
AEROSPACE

FAA REPAIR STATION
RJ3R817L
PAGE 1 OF 1

REMOVAL

A/C #: HK-4559 A/C S/N: 19000200
POS: RH MLG
DATE: Mar-17 REASON: REPAIR

HPA WO#: 6600012290
CUST PO#: Y0008617
CUST P/N: N/A
MFG P/N: 4260A0000-02
MFG S/N: 05345

INSTALL

A/C #: N/A
ELIGIBILITY: E190/E195
DATE: Mar-17

E190 MLG ASSEMBLY

SAFE LIFE LIMITS: E195 MRB-1928 REV 10 DATED 28APR2016

AS RECEIVED BY HPA

Customer Item No.	MFG P/N	NOMENCLATURE	MFG S/N	SAFE LIFE LIMITS	CYCLES SINCE NEW	REMAINING SAFE LIFE
***	4260A0000-01	RH SHOCK STRUT ASSY	05345	UNLIMITED	16,324	N/A
***	2821-0080	INNER TUBE	HM00323	56,000	16,324	39,676
***	2821-0025	PINTLE PIN	L508	56,000	16,324	REPLACED
***	2821-0067	PINTLE PIN	L575	56,000	16,324	REPLACED
***	2822A0100-02	RH MAIN FITTING ASSY	L0578	UNLIMITED	16,324	REPLACED
***	2822-0111	RH MAIN FITTING	L0578	56,000	16,324	REPLACED
***	2821A0200-02	SLIDING TUBE ASSY	L0566	UNLIMITED	16,324	N/A
***	2821-0221	SLIDING TUBE	L0566	56,000	16,324	39,676
***	2821-0202	MLG AXLE	L0477	56,000	16,324	REPLACED
***	2821A0300-03	UPR TORQUE LINK ASSY	L0387	UNLIMITED	16,324	N/A
***	2821-0310	UPR TORQUE LINK	L0387	56,000	16,324	39,676
***	2821A0400-02	LWR TORQUE LINK ASSY	L0496	UNLIMITED	16,324	N/A
***	2821-0410	LWR TORQUE LINK	L0496	56,000	16,324	39,676
***	2821A2600-01	SIDE STAY BOLT, ASSY	570	UNLIMITED	16,324	N/A
***	2821-0622	BOLT	570	56,000	16,324	39,676
***	2265A0000-03	MLG SHIMMY DAMPER	01184	56,000	14,784	41,216
***	2821-0082	BOLT	L171	56,000	16,324	39,676
***	1840-0021	BOLT	L1078	56,000	16,324	39,676
***	2821-0001	BOLT	L392	56,000	16,324	39,676

AS RELEASED BY HPA

MFG P/N	MFG S/N	CYCLES SINCE NEW	REMAINING SAFE LIFE	PREVIOUS OPERATOR
4260A0000-02	05345	16,324	N/A	COPA
2821-0080	HM00323	16,324	39,676	COPA
2821-0025	L118	14,557	41,443	HP-1558
2821-0067	L130	14,557	41,443	HP-1558
2822A0100-03	L0104	17,345	N/A	N2581B
2822-0111	L0104	17,345	38,655	N2581B
2821A0200-02	L0566	16,324	N/A	COPA
2821-0221	L0566	16,324	39,676	COPA
2821-0202	L100	14,539	41,461	HP-1557
2821A0300-03	L0387	16,324	N/A	COPA
2821-0310	L0387	16,324	39,676	COPA
2821A0400-02	L0496	16,324	N/A	COPA
2821-0410	L0496	16,324	39,676	COPA
2821A2600-01	570	16,324	N/A	COPA
2821-0622	570	16,324	39,676	COPA
2265A0000-03	01184	14,784	41,216	COPA
2821-0082	L171	16,324	39,676	COPA
1840-0021	L1078	16,324	39,676	COPA
2821-0001	L392	16,324	39,676	COPA

PREPARED BY: 

DATE:

MAR 15 2017

VERIFIED BY: 

DATE:

MAR 15 2017

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.

W 106403

[illegible]

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IF NECESSARY, ATTACH ADDITIONAL SHEETS.

W 106403

	LOG CARDS		EMBRAER 190
- AIRCRAFT MODEL: ERJ 190-100LR - SERIAL NUMBER: 19000200 - CUSTOMER: AEROREPUBLICA			
P/N	PART DESCRIPTION	S/N	
NOSE LANDING GEAR			
190-70453-401	NLG SHOCK STRUT	00223	
190-70550-403	NLG DRAG BRACE ASSY	00285	
190-70650-401	NLG LOCKING STAY	00237	
LEFT - MAIN LANDING GEAR			
190-70200-401	MLG SIDE STAY	00038	
190-70250-409	MLG LOCKING STAY	00472	
4259A0000-01	SHOCK STRUT ASSY LH	00344	
190-70300-401	MLG - DOWNLOCKING SPRING	1229989/001	
190-70300-401	MLG - DOWNLOCKING SPRING	1229990/001	
RIGHT - MAIN LANDING GEAR			
190-70200-402	MLG SIDE STAY	00035	
190-70250-409	MLG LOCKING STAY	00471	
4260A0000-01	SHOCK STRUT ASSY RH	05345	
190-70300-401	MLG - DOWNLOCKING SPRING	1226909/001	
190-70300-401	MLG - DOWNLOCKING SPRING	1230029/001	
LEFT SIDE ENGINE			
601E0100-539	THRUST REVERSER ASSY LH - LH WING	MR-EL-0432	
601E0100-540	THRUST REVERSER ASSY RH - LH WING	MR-ER-0428	
RIGHT SIDE ENGINE			
601E0100-541	THRUST REVERSER ASSY LH - RH WING	MR-EL-0429	
601E0100-542	THRUST REVERSER ASSY RH - RH WING	MR-ER-0429	
FWD/AFT BATTERY			
5912855-01	BATTERY - 24V, 27 AH, NI-CD	T02616	
5912855-01	BATTERY - 24V, 27 AH, NI-CD	T03551	
ESCAPE SLIDE			
104003-1	E. EVACUATION SLIDE ASSY, FWD	EF0579	
104003-1	E. EVACUATION SLIDE ASSY, FWD	EF0581	
104005-1	EMERG. EVACUATION SLIDE, AFT	EE0559	
104005-1	EMERG. EVACUATION SLIDE, AFT	EE0569	
Issued by 	Checked by 	Date: August 14, 2008	Rev: //

W 106403

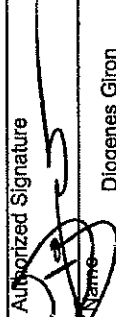
1. Approving Competent Authority/Country LBA / Germany		2. AUTHORIZED RELEASE CERTIFICATE EASA FORM 1				3. Form Tracking Number 107066	
4. Organisation Name and Address  Lufthansa Technik Lufthansa Technik AG Weg beim Jäger 193 22335 Hamburg Germany		5. Work Order/Contract/Invoice 660008475 / 50272877				6. Item 001	
7. Description PIN, PINTLE		8. Part No. 2821-0067		9. Qty. 1		10. Serial No. L130	
11. Status/Work OVERHAULED							
12. Remarks: Life Details: TSN: 23688:20 CSN: 14557 TSO: ZERO CSO: ZERO OVERHAULED IN ACCORDANCE WITH LIEBHERR CMM CHAPTER 32-11-14 REV 12 DATED 19SEP2014 AND LIEBHERR CRM 32-11-14-R REV. 02 DATED 31JUL2015. COMPLIED WITH LIEBHERR TECHNICAL DISPOSITION: L-6011-ED-0009 ISSUE 01 DATED 26OCT2010 PREVIOUS OPERATOR: COPA AIRLINES -- REMOVED OFF TAIL No. HP-1558 (MSN 19000038) THE CERTIFICATE CORRECTS THE ERRORS IN BLOCK 12 OF THE CERTIFICATE NO. 107066, DATED 19JAN2017 AND DOES NOT COVER CONFORMITY/CONDITION/RELEASE TO SERVICE.							
Further details of work performed are attached either in a Workshop Report or in other applicable documents ☒							
Work performed by Hawker Pacific Aerospace, Sun Valley, CA, USA, a Lufthansa Technik Group Company"							
13a. Authorized Signature  Julio Gonzalez		13b. Authorized Signature  Julio Gonzalez		13c. Certificate / Approval Ref. Number DE.145.0001		13d. Date (dd mmm yyyy) 13 Jun 2018	
14a. Part-145.A.50 Release to Service ☒ Certifies that unless otherwise specified in block 12, the work, identified in block 11 and described in block 12, was accomplished in accordance with Part-145 and in respect to that work the items are considered ready for release to service.		14b. Part-145.A.50 Release to Service ☐ Certifies that unless otherwise specified in block 12, the work, identified in block 11 and described in block 12, was accomplished in accordance with Part-145 and in respect to that work the items are considered ready for release to service.		14c. Part-145.A.50 Release to Service ☐ Certifies that unless otherwise specified in block 12, the work, identified in block 11 and described in block 12, was accomplished in accordance with Part-145 and in respect to that work the items are considered ready for release to service.		14d. Part-145.A.50 Release to Service ☐ Certifies that unless otherwise specified in block 12, the work, identified in block 11 and described in block 12, was accomplished in accordance with Part-145 and in respect to that work the items are considered ready for release to service.	

EASA FORM 1 - Issue 2
USER/INSTALLER RESPONSIBILITIES

Note: This certificate does not automatically constitute authority to install.

Where the user/installer performs work in accordance with regulations of an airworthiness authority different from the airworthiness authority specified in block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts items from the airworthiness authority specified in block 1.

Statements in blocks 13a and 14a do not constitute installation certification. In all cases aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

1. Approving Competent Authority/Country LBA / Germany		2.		3. Form Tracking Number 107066	
4. Organisation Name and Address  Lufthansa Technik Lufthansa Technik AG Weg beim Jäger 193 22335 Hamburg Germany		5. Work Order/Contract/Invoice 660008475 / 50272877			
6. Item	7. Description	8. Part No.	9. Qty.	10. Serial No.	11. Status/Work
001	PIN, PINTLE	2821-0067	1	L130	OVERHAULED
12. Remarks: Life Details: TSN: CSN: 14557 TSO: ZERO CSO: ZERO OVERHAULED IN ACCORDANCE WITH LIEBHERR CMM CHAPTER 32-11-14 REV 12 DATED 19SEP2014, LIEBHERR CRM 32-11-14-R REV 02 DATED 31JUL2015, AND COPA ECRA 3210-0162C REV 08 DATED 08SEP2015. COMPLIED WITH LIEBHERR TECHNICAL DISPOSITION: L-6011-ED-0009 ISSUE 01 DATED 26OCT2010 PREVIOUS OPERATOR: COPA AIRLINES - REMOVED OFF TAIL No. HP-1558 (MSN 19000038)					
"Work performed by Hawker Pacific Aerospace, Sun Valley, CA, USA, a Lufthansa Technik Group Company"					
13. Certifies that the items identified also comply with the applicable regulatory requirements in block 12. ☒ Approved design data and are in accordance with Part-145 and in respect to that work the items are considered ready for release to service. ☐ Other Regulation specified in block 12					
13a. Part-145.A.50 Release to Service		14a. Certificate / Approval Ref. Number DE.145.0001			
14b. Authorized Signature  Diogenes Giron		14c. Date (dd mm yyyy) 19 Jan 2017			

EASA FORM 1 - Issue 2
USER/INSTALLER RESPONSIBILITIES

Note: This certificate does not automatically constitute authority to install.

Where the user/installer performs work in accordance with regulations of an airworthiness authority different from the user/installer ensures that his/her airworthiness authority accepts items from the airworthiness authority specified in block 1.

Statements in block(s) 13a and 14a do not constitute installation certification. In all cases aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

Copa Airlines

L/H Main Landing Gear LLP Status

EMBRAER - MSN 19000038
Registration - HP-1668

AO TT:	23.688.20
AO TC:	14.557
Date:	29-Apr-16
DOM:	16-May-06

No	PART NOMENCLATURE	PART NUMBER	SERIAL NUMBER	LIFE LIMIT	DAYS SINCE OVLH	CYCLES REMAINING	CYCLES OVLH	TIME SINCE OVLH	PART TOTAL TIME	OVLH DUE DATE	DAYS TO OVLH	PART TOTAL CYCLES	LIFE REMAINING	COMMENTS AND NOTES
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SHOCK STRUT ASSY LH (PN 2821A000-04 & SN 00150)

1	SHOCK STRUT ASSY LH	2821A000-04	00150	50,000	3,636	5,443	14,557	23,688.20	23,688.20	13-may-16	14	14,557	41,443	Original to MSN 19000038
1.1	MAIN FITTING LH	2821-0111	L0180	50,000	3,636	5,443	14,557	23,688.20	23,688.20	13-may-16	14	14,557	41,443	Original to MSN 19000038
1.2	UPPER TORQUE LINK	2821-0310	L04	50,000	3,636	5,443	14,557	23,688.20	23,688.20	13-may-16	14	14,557	41,443	Original to MSN 19000038
1.3	LOWER TORQUE LINK	2821-0410	L154	50,000	3,636	5,443	14,557	23,688.20	23,688.20	13-may-16	14	14,557	41,443	Original to MSN 19000038
1.4	HYDRA TUBE	2325-0014	HA000079	50,000	3,636	5,443	14,557	23,688.20	23,688.20	13-may-16	14	14,557	41,443	Original to MSN 19000038
1.5	BOLT	2821-0511	L00	50,000	3,636	5,443	14,557	23,688.20	23,688.20	13-may-16	14	14,557	41,443	Original to MSN 19000038
1.6	PIRPHILE PWD	2821-0611	L100	50,000	3,636	5,443	14,557	23,688.20	23,688.20	13-may-16	14	14,557	41,443	Original to MSN 19000038
1.7	PIRPHILE APT	2821-0025	L118	50,000	3,636	5,443	14,557	23,688.20	23,688.20	13-may-16	14	14,557	41,443	Original to MSN 19000038
1.8	BOLT SIDE STAY BRACKET	2821-0078	L122	50,000	3,636	5,443	14,557	23,688.20	23,688.20	13-may-16	14	14,557	41,443	Original to MSN 19000038
1.9	BOLT	1640-0021	L317	50,000	3,636	5,443	14,557	23,688.20	23,688.20	13-may-16	14	14,557	41,443	Original to MSN 19000038
1.10	BOLT (R/L)	2821-0021	L110	50,000	3,636	5,443	14,557	23,688.20	23,688.20	13-may-16	14	14,557	41,443	Original to MSN 19000038
1.11	SLIDING TUBE	2821-0221	L0103	50,000	3,636	5,443	14,557	23,688.20	23,688.20	13-may-16	14	14,557	41,443	Original to MSN 19000038
1.12	WHEEL AXLE	2821-0003	L118	50,000	3,636	5,443	14,557	23,688.20	23,688.20	13-may-16	14	14,557	41,443	Original to MSN 19000038

MLG LOCKING STAY (PN 190-70250-407 & SN 00106)

2	MLG LOCKING STAY	190-70250-407	00106	50,000	3,636	5,443	14,557	23,688.20	23,688.20	13-may-16	14	14,557	41,443	Original to MSN 19000038
2.1	STAY LOCKING UPPER - MLG	2821-8021	L1178	50,000	3,636	5,443	14,557	23,688.20	23,688.20	13-may-16	14	14,557	41,443	Original to MSN 19000038
2.2	STAY LOCKING LOWER - MLG	2821-8028	L1167	50,000	3,636	5,443	14,557	23,688.20	23,688.20	13-may-16	14	14,557	41,443	Original to MSN 19000038
2.3	BOLT - MLG	170-70274-001	1097104012	50,000	3,636	5,443	14,557	23,688.20	23,688.20	13-may-16	14	14,557	41,443	Original to MSN 19000038

MLG SIDE STAY (PN 190-70150-403 & SN 00050)

3	MLG SIDE STAY	190-70150-403	00050	44,000	3,636	5,443	14,557	23,688.20	23,688.20	13-may-16	14	14,557	29,443	Original to MSN 19000038
3.1	LOWER - STAY	190-70152-003	AP 0097	44,000	3,636	5,443	14,557	23,688.20	23,688.20	13-may-16	14	14,557	29,443	Original to MSN 19000038
3.2	UPPER STAY	190-70154-003	AP 0115	44,000	3,636	5,443	14,557	23,688.20	23,688.20	13-may-16	14	14,557	29,443	Original to MSN 19000038
3.3	CRACK BOLT	190-70164-003	1147839003	50,000	3,636	5,443	14,557	23,688.20	23,688.20	13-may-16	14	14,557	41,443	Original to MSN 19000038
3.4	BOLT SIDE STAY	190-70156-001	1098953003	50,000	3,636	5,443	14,557	23,688.20	23,688.20	13-may-16	14	14,557	41,443	Original to MSN 19000038
3.5	BOLT SIDE STAY	190-70159-001	1101052003	50,000	3,636	5,443	14,557	23,688.20	23,688.20	13-may-16	14	14,557	41,443	Original to MSN 19000038

DAMPER ASSY

4	DAMPER ASSY	2005A0000-02	00284	50,000	3,636	5,443	14,557	23,688.20	23,688.20	13-may-16	14	14,557	41,443	Original to MSN 19000038
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Stefany Sanchez Bransfield
Analista Registros Técnicos
Copa Airlines

1. Approving Competent Authority/Country LBA / Germany		2. AUTHORIZED RELEASE CERTIFICATE EASA FORM 1		3. Form Tracking Number 107065	
4. Organisation Name and Address  Lufthansa Technik Lufthansa Technik AG Weg beim Jäger 193 22335 Hamburg Germany		5. Work Order/Contract/Invoice 660008475 / 50272876			
6. Item	7. Description	8. Part No.	9. Qty.	10. Serial No.	11. Status/Work
001	PIN, PINTLE	2821-0025	1	L118	OVERHAULED
12. Remarks: Life Details: TSN: CSN: 14557 TSO: ZERO CSO: ZERO OVERHAULED IN ACCORDANCE WITH LIEBHERR CMM CHAPTER 32-11-14 REV 12 DATED 19SEP2014, LIEBHERR CRM 32-11-14-R REV 02 DATED 31JUL2015. COMPLIED WITH LIEBHERR TECHNICAL DISPOSITION: L-6011-ED-0011 ISSUE 01 DATED: 09DEC2010 PREVIOUS OPERATOR: COPA AIRLINES - REMOVE OFF TAIL No. HP-1558 (MSN 19000038) THE CERTIFICATE CORRECTS THE ERROR IN BLOCK 8 OF THE CERTIFICATE NO.107065, DATED 19JAN2017 AND DOES NOT COVER CONFORMITY/CONDITION/RELEASE TO SERVICE. Further details of work performed are attached either in a Workshop Reporter in other applicable documents ☒					
"Work performed by Hawker Pacific Aerospace, Sun Valley, CA, USA, a Lufthansa Technik Group Company" 14a. ☒ Part-145.A.50 Release 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 Part-145 and in respect to that work the items are considered ready for release to service.					
14b. Authorized Signature 		14c. Certificate / Approval Ref. Number DE.145.0001		14d. Date (dd mm yyyy) 20 Apr 2017	

EASA FORM 1 - Issue 2
USER/INSTALLER RESPONSIBILITIES

Note: This certificate does not automatically constitute authority to install.

Where the user/installer performs work in accordance with regulations of an airworthiness authority different from the airworthiness authority specified in block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts items from the airworthiness authority specified in block 1.

Statements in block(s) 13a and 14a do not constitute installation certification. In all cases aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

1. Approving Civil Aviation Authority / Country FAA / United States	2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, Airworthiness Approval Tag	3. Form Tracking Number: 104304
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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 Number 660008475 / 50272876			
6. Item 7. Description 1 PIN, PINTLE	8. Part Number 2821-0025	9. Quantity 1	10. Serial Number L118	11. Status/Work OVERHAULED

12. Remarks: Life Details:
CSN: 14557 TSO: ZERO CSO: ZERO
OVERHAULED IN ACCORDANCE WITH LIEBHERR CMM 32-11-14 REV 12 DATED 19SEP2014 AND LIEBHERR CRM 32-11-14-R REV 02 DATED 31JUL2015
COMPLIED WITH LIEBHERR TECHNICAL DISPOSITION: L-6011-ED-0011 ISSUE 01 DATED: 09DEC2010
PREVIOUS OPERATOR: COPA AIRLINES - REMOVE OFF TAIL No. HP-1558 (MSN 19000038)

W 106403

Certifies that the work specified in blocks 11/12 was carried out in accordance with EASA Part-145, and with respect to that work, the component is considered ready for release to service under EASA Part 145 Approval number: EASA.145.4518

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 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.	14c. Approval Certificate No.: RJ3R817L
13b. Authorized Signature:	14b. Authorized Signature: <i>Julio Gonzalez</i> HPI 80	14e. Date: (dd/mm/yyyy) 17.Jan.2017
13d. Name:	14d. Name: Julio Gonzalez	
13e. Date:		

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.

1. Approving Competent Authority/Country LBA / Germany	2. 144	AUTHORIZED RELEASE CERTIFICATE EASA FORM 1		3. 144 Tracking Number 107065
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4. Organisation Name and Address Lufthansa Technik Lufthansa Technik AG Weg beim Jäger 193 22335 Hamburg Germany		5. Work Order/Contract/Invoice 660008475 / 50272876
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6. Item	7. Description	8. Part No.	9. Qty.	10. Serial No.	11. Status/Work
001	PIN, PINTLE	2821-0025	1	L118	OVERHAULED

12. Remarks: Life Details: TSN: CSN: 14557 TSO: ZERO CSO: ZERO

OVERHAULED IN ACCORDANCE WITH LIEBHERR CMM CHAPTER 32-11-14 REV 12 DATED 19SEP2014, LIEBHERR CRM 32-11-14-R REV 02 DATED 31JUL2015, AND COPA ECRA 3210-0162C REV 08 DATED 08SEP2015.

COMPLIED WITH LIEBHERR TECHNICAL DISPOSITION: L-6011-ED-0011 ISSUE 01 DATED: 09DEC2010

PREVIOUS OPERATOR: COPA AIRLINES – REMOVE OFF TAIL No. HP-1558 (MSN 19000038)

"Work performed by Hawker Pacific Aerospace, Sun Valley, CA, USA, a Lufthansa Technik Group Company"

☒ Further details of work performed are attached either in a Workshop Reporter in other applicable documents

13. Certifies that the items identified above were manufactured in conformity to approved design data and are in conformance with applicable regulations		14a. ☒ Part-145.A.50 Release to Service	14b. Authorized Signature Diogenes Giron	14c. Certificate / Approval Ref. Number DE.145.0001
13a. ☐ Certifies that the items identified above were manufactured in conformity to approved design data and are in conformance with applicable regulations		14. Certifies that unless otherwise specified in block 12, the work, identified in block 11 and described in block 12, was accomplished in accordance with Part-145 and in respect to that work the items are considered ready for release to service.	14d. Name Diogenes Giron	14e. Date (dd mm yyyy) 19 Jan 2017

**EASA FORM 1 - Issue 2
USER/INSTALLER RESPONSIBILITIES**

Note: This certificate does not automatically constitute authority to install.

Where the user/installer performs work in accordance with regulations of an airworthiness authority different from the airworthiness authority specified in block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts items from the airworthiness authority specified in block 1.

Statements in block(s) 13a and 14a do not constitute installation certification. In all cases aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

W 106403

LHT Form 30800 E-13 (HAM TQ3)



Copa Airlines – Technical Records

NO ACCIDENT/INCIDENT LETTER

QA-28-2016

April 29, 2016.

To Whom it may Concern:

It is hereby declared to the best of our knowledge, the parts listed below and its sub-Assemblies, have not been involved in any serious incident (fire, crash, failure) or accident during its time in service on ERJ-190-100 IGW/ SN 19000038

Description	Part Number Detail	Serial Number	TSN at Removal	CSN at Removal
NLG Shock Strut	190-70453-601	00051	23,688:20	14,557
NLG Drag Brace	190-70550-403	00051	23,688:20	14,557
NLG Locking Stay	190-70650-401	00058	23,688:20	14,557
MLG Shock Strut LH	2821A0000-04	00150	23,688:20	14,557
MLG Side Stay LH	190-70150-403	00060	23,688:20	14,557
MLG Locking Stay	190-70250-407	00106	23,688:20	14,557
MLG Shock Strut RH	2822A0000-04	05148	23,688:20	14,557
MLG Side Stay RH	190-70150-404	00027	23,688:20	14,557
MLG Locking Stay	190-70250-407	00107	23,688:20	14,557
Shimmy Damper Assy	2265A0000-02	00211	23,688:20	14,557
Shimmy Damper Assy	2265A0000-02	00224	23,688:20	14,557

Parts were installed on June 23, 2006 and removed from ERJ-190-100 IGW / SN 19000038 on April 14, 2016.

Best Regards


 Virgilio De Mares
 QA Mx Manager
 VP Safety & Quality
 Copa Airlines

Cc File-

Copa Airlines

L/H Main Landing Gear LLP Status

 EMBRAER - MSN 19000038
 Registration - HP-1658

A/C TT:	23.688.20
A/C TC:	14.557
Date:	29-Apr-16
DOM:	16-May-06

NO	PART NOMENCLATURE	PART NUMBER	SERIAL NUMBER	LIFE LIMIT	DAYS SINCE OVL	CYCLES REMAINING	TIME SINCE OVL	PART TOTAL TIME	CVL DATE	CVL	DAYS TO PART CYCLES	LIFE REMAINING	COMMENTS AND NOTES
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SHOCK STRUT ASSY LH (PN 2821A0000-04 & SN 00150)

1	SHOCK STRUT ASSY LH	2821A0000-04	00150	50,000	5,443	14,557	23,688.20	23,688.20	13-may-16	14	14,557	41,443	Original to MSN 19000038
1.1	MAIN PIVOTING LINK	2821-0111	L0150	50,000	5,443	14,557	23,688.20	23,688.20	13-may-16	14	14,557	41,443	Original to MSN 19000038
1.2	UPPER TORQUE LINK	2821-0310	L08	50,000	5,443	14,557	23,688.20	23,688.20	13-may-16	14	14,557	41,443	Original to MSN 19000038
1.3	LOWER TORQUE LINK	2821-0110	L104	50,000	5,443	14,557	23,688.20	23,688.20	13-may-16	14	14,557	41,443	Original to MSN 19000038
1.4	INNER TUBE	2235-0014	H000079	50,000	5,443	14,557	23,688.20	23,688.20	13-may-16	14	14,557	41,443	Original to MSN 19000038
1.5	BOLT	2821-0811	L06	50,000	5,443	14,557	23,688.20	23,688.20	13-may-16	14	14,557	41,443	Original to MSN 19000038
1.6	PIN PIVOT FWD	2821-0067	L130	50,000	5,443	14,557	23,688.20	23,688.20	13-may-16	14	14,557	41,443	Original to MSN 19000038
1.7	PIN PIVOT AFT	2821-0025	L118	50,000	5,443	14,557	23,688.20	23,688.20	13-may-16	14	14,557	41,443	Original to MSN 19000038
1.8	BOLT, SIDE STAY BRACKET	2821-0078	L122	50,000	5,443	14,557	23,688.20	23,688.20	13-may-16	14	14,557	41,443	Original to MSN 19000038
1.9	BOLT (MIG)	1640-0021	L317	50,000	5,443	14,557	23,688.20	23,688.20	13-may-16	14	14,557	41,443	Original to MSN 19000038
1.10	BOLT (MIG)	2031-0051	L110	50,000	5,443	14,557	23,688.20	23,688.20	13-may-16	14	14,557	41,443	Original to MSN 19000038
1.11	SLIDING TUBE	2031-0021	L0103	50,000	5,443	14,557	23,688.20	23,688.20	13-may-16	14	14,557	41,443	Original to MSN 19000038
1.12	WHEEL AXLE	2031-0202	L110	50,000	5,443	14,557	23,688.20	23,688.20	13-may-16	14	14,557	41,443	Original to MSN 19000038

MLG LOCKING STAY (PN 190-70250-407 & SN 00106)

2	MLG LOCKING STAY	190-70250-407	00106	50,000	5,443	14,557	23,688.20	23,688.20	13-may-16	14	14,557	41,443	Original to MSN 19000038
2.1	STAY LOCKING UPPER - MLG	2821-0021	L176	50,000	5,443	14,557	23,688.20	23,688.20	13-may-16	14	14,557	41,443	Original to MSN 19000038
2.2	STAY LOCKING LOWER - MLG	2821-0025	L167	50,000	5,443	14,557	23,688.20	23,688.20	13-may-16	14	14,557	41,443	Original to MSN 19000038
2.3	BOLT - MLG	170-70274-001	1057104012	50,000	5,443	14,557	23,688.20	23,688.20	13-may-16	14	14,557	41,443	Original to MSN 19000038

MLG SIDE STAY (PN 190-70160-403 & SN 00060)

3	MLG SIDE STAY	190-70160-403	00060	44,000	3,058	14,557	23,688.20	23,688.20	13-may-16	14	14,557	29,443	Original to MSN 19000038
3.1	LOWER STAY	190-70162-003	AP 0097	44,000	3,058	14,557	23,688.20	23,688.20	13-may-16	14	14,557	29,443	Original to MSN 19000038
3.2	UPPER STAY	190-70164-003	AP 0115	44,000	3,058	14,557	23,688.20	23,688.20	13-may-16	14	14,557	29,443	Original to MSN 19000038
3.3	CRANK BOLT	11478381003	11478381003	50,000	3,058	10,418	13,877.26	13,877.26	04-nov-17	554	10,418	45,582	Original to MSN 19000038
3.4	BOLT SIDE STAY	190-70156-001	1098653003	50,000	3,058	14,557	23,688.20	23,688.20	13-may-16	14	14,557	41,443	Original to MSN 19000038
3.5	BOLT SIDE STAY	190-70158-001	11010324003	60,000	3,058	14,557	23,688.20	23,688.20	13-may-16	14	14,557	42,043	Original to MSN 19000038

DAMPER ASSY

4	DAMPER ASSY	2205A0000-02	00224	50,000	5,443	14,557	23,688.20	23,688.20	13-may-16	14	14,557	42,377	Original to MSN 19000038
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Stefany Sanchez Brassfield
 Analista Registros Técnicos
 Copa Airlines

1. Approving Civil Aviation Authority / Country FAA / United States		2.		3. Form Tracking Number: 104308	
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 Number 660009382 / 50284109			
6. Item	7. Description	8. Part Number	9. Quantity	10. Serial Number	11. Status/Work
1	MAIN FITTING, ASSY RH	2822A0100-03	1	L0104	OVERHAULED
12. Remarks: Life Details: CSN: 17345 TSO: ZERO CSO: ZERO					
OVERHAULED IN ACCORDANCE WITH LIEBHERR CMM 32-11-14 REV 12 DATED 19SEP2014 AND LIEBHERR CRM 32-11-14-R REV 02 DATED 31JUL2015 HPA MODIFIED THE ASSEMBLY P/N FROM 2822A0100-02 TO P/N 2822A0100-03 COMPLIED WITH LIEBHERR TECHNICAL DISPOSITION: L-4265-ED-0009 ISSUE 02 DATED 17JAN2014 NON-PROCURABLE P/N 2822-0111, S/N L0104 PREVIOUS OPERATOR: JETBLUE - REMOVED OFF TAIL No. N258JB (MSN 19000047).					
W 106403					
Certifies that the work specified in blocks 11/12 was carried out in accordance with EASA Part-145, and with respect to that work, the component is considered ready for release to service under EASA Part 145 Approval number: EASA.145.4518					
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			
13b. Authorized Signature:		14b. Authorized Signature: <i>Julio Gonzalez</i> HPA 80		14c. Approval Certificate No.: RJ3R817L	
13d. Name:		14d. Name: Julio Gonzalez		14e. Date: (dd/mm/yyyy) 17.Jan.2017	
13e. Date:					
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.					



May 11, 2017 Revision 3

To Whom It May Concern

Dear Sirs:

JetBlue Airways hereby certifies that the Gear and Shock Strut arrangements, listed below were installed in August 23, 2006 and removed from JetBlue Airways aircraft MSN 190 00047 on June 06, 2016:

Strut Main Landing Gear, RH PN 2822A0000-03 SN 05164

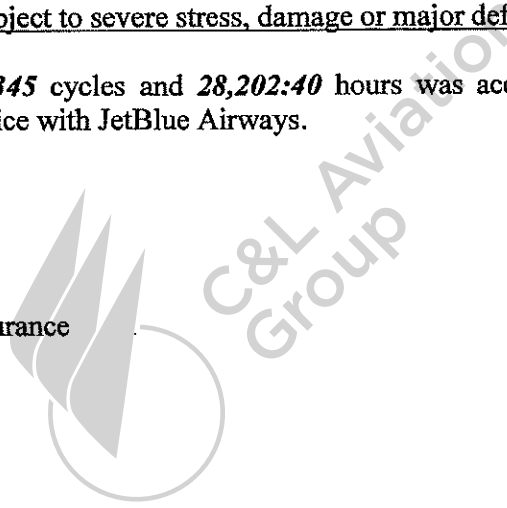
It is further certified that to the best of our knowledge the aircraft from which this part was removed, while in the possession of JetBlue Airways, was not involved in any major incident or accident, and was not subject to severe stress, damage or major defects.

During this period, 17,345 cycles and 28,202:40 hours was accumulated on the part/aircraft combination during service with JetBlue Airways.

Sincerely,

A handwritten signature in dark ink, appearing to read "A Thomas".

Anthony Thomas
Supervisor, Quality Assurance
Technical Operations
JetBlue Airways



P/N Detail Print

Print Date: 7/8/2016 16:00
Page: 1 of 4

JetBlue

P/N: 28220000-03

P/N SIN: 05184

MLG SHOCK STRUT ASSY, RH (PRE-MOD)

198229

Control Items	Description	Hours	SCHEDULE Cycles Days	Date	Hours	Cycles	ACTUAL Days	Reset Date	Hours	Cycles	REMAINING Days	STATUS
TSLSV					28202.40	17345	17345	06/27/2008	0.00	0	0	
SCORP			28800		28202.40	17345	3633	06/27/2008	0.00	11455	0	
TSN					28202.40	17345	3633	06/27/2008	0.00	0	0	
DS-11-100-M1-G-03	MLG RETRACTION ACTUATOR ATTACHMENT POINT - FINAL MODIFICATION				118952.01	7041	1386	08/21/2012	0.00	0	0	OPEN
TS-11-000-M1	MAIN LANDING GEAR (MLG)		20000 3500		28187.57	17347	3534	02/14/2005	0.00	2653	66	OPEN
DS-11-100-M1-G-04	MAIN LANDING GEAR - SHOCK STRUT - REPLACEMENT OF THE BOLTS (140-0094)				14615.02	5430	1845	05/20/2011	0.00	0	0	OPEN
4100-M1-G-01	BUCKET (LANDING GEAR (MLG) INSTALLATION)				21349.55	13299	2694	01/22/2009	0.00	3	0	OPEN
DS-11-100-M1-G-01	LANDING GEAR - MAIN LANDING GEAR (MLG) FLOTTING PISTON SEAL REPLACEMENT				0001.50	3952	762	05/07/2014	0.00	0	0	OPEN
160-32-0027-02	LANDING GEAR - MLG - FINAL MODIFICATION - MODIFICATION OF RETRACTION ACTUATOR ATTACH POINT ON THE SHOCK STRUT				28187.57	17347	3534	01/30/11899	0.00	0	0	OPEN
160-32-0028	LANDING GEAR - MLG - REPLACEMENT OF THE UPLOCK ROLLER				0.00	0	0	08/04/2011				TERMINATED
DS-11-15-054-G-01	GENERAL VISUAL INSPECTION (GVI) OF THE LEFT AND RIGHT AND THE RIGHT AND LEFT RETRACTION ACTUATORS		20000 2880		10832.04	6970	1372	09/04/2012	0.00	13030	1508	OPEN
ETRO-01-G-01-0000-00	ETRO MAIN LANDING GEAR (MLG) REMOVAL				21349.55	13299	2693	01/22/2009	0.00	0	0	OPEN
160-32-0010-01	LANDING GEAR - MLG - SHOCK STRUT - REPLACEMENT OF BOLTS (140-0094)				0.00	0	0	10/03/2012				TERMINATED

P/N: 1840.0021

P/N SIN: L1645

BOLT

Batch:

1902168

Control Items	Description	Hours	SCHEDULE Cycles Days	Date	Hours	Cycles	ACTUAL Days	Reset Date	Hours	Cycles	REMAINING Days	STATUS
TSLSV					14071.46	8035	8035	06/27/2008	0.00	0	0	
SCORP			28800		14071.46	8035	8035	06/27/2008	0.00	19764	0	
TSN					14071.46	8035	8035	06/27/2008	0.00	0	0	

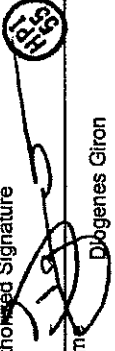
Anthony Thomas
Supervisor, Quality Assurance
Technical Operations
JetBlue Airways - 05/11/2017

PIN Detail Print

jetBlue

PIN: 2821-0310		PIN SIN: L140	LINK, UPPER TORQUE, ASSY		Batch: 198234		STATUS	
Control Items	Description		Hours	SCHEDULE Cycles Days	ACTUAL Hours Cycles	REMAINING Hours Cycles Days		
SCRAP				28800	28202:40 17345 3533	0:00 11455 0		
TSN					28202:40 17345	0:00 0		
TSN					28202:40 17345 3533	0:00 0		
PIN: 2821-0310		PIN SIN: L0144	LINK, LOWER TORQUE, ASSY		Batch: 198235		STATUS	
Control Items	Description		Hours	SCHEDULE Cycles Days	ACTUAL Hours Cycles	REMAINING Hours Cycles Days		
TSLEV					28202:40 17345	0:00 0		
SCRAP				28800	28202:40 17345 3533	0:00 11455 0		
TSN					28202:40 17345 3533	0:00 0		
PIN: 2821-0511		PIN SIN: L132	BOLT MLC SHOCK STRUT		Batch: 198333		STATUS	
Control Items	Description		Hours	SCHEDULE Cycles Days	ACTUAL Hours Cycles	REMAINING Hours Cycles Days		
TSLEV					28202:40 17345 3534	0:00 0		
SCRAP				28800	28202:40 17345 3534	0:00 11455 0		
TSN					28202:40 17345 3534	0:00 0		
PIN: 2872-0111		PIN SIN: L0104	RH MAIN FITTING, ASSY		Batch: 198232		STATUS	
Control Items	Description		Hours	SCHEDULE Cycles Days	ACTUAL Hours Cycles	REMAINING Hours Cycles Days		
TSLEV					28202:40 17345	0:00 0		
TSN					28202:40 17345 3533	0:00 0		
SCRAP				28800	28202:40 17345 3533	0:00 11455 0		

Anthony Thomas
Supervisor Quality Assurance
Technical Operations
JetBlue Airways
05/11/2017

1. Approving Competent Authority/Country LBA / Germany		2. AUTHORIZED RELEASE CERTIFICATE EASA FORM 1		3. Form Tracking Number 107069	
4. Organisation Name and Address  Lufthansa Technik Lufthansa Technik AG Weg beim Jäger 193 22335 Hamburg Germany		5. Work Order/Contract/Invoice 660008322 / 50244952			
6. Item	7. Description	8. Part No.	9. Qty.	10. Serial No.	11. Status/Work
001	AXLE, WHEEL	2821-0202	1	L100	OVERHAULED
12. Remarks: Life Details: TSN: CSN: 14539 TSO: ZERO CSO: ZERO					
OVERHAULED IN ACCORDANCE WITH LIEBHERR CMM 32-11-14 REV 12 DATED 19SEP2014 AND CRM 32-11-14-R REV 2 DATED 31JUL2015.					
PREVIOUS OPERATOR: COPA AIRLINES A/C HK-4559					
Work performed by Hawker Pacific Aerospace, Sun Valley, CA, USA, a Lufthansa Technik Group Company					
☒ Further details of work performed are attached either in a Workshop Report or in other applicable documents ☐ Part-145.A.50 Release to Service ☐ Other Regulation specified in block 12					
Certifies that the items described above were manufactured in conformity to: ☒ Part-145.A.50 Release to Service ☐ Certifies that unless otherwise specified in block 12, the work, identified in block 11 and described in block 12, was accomplished in accordance with Part-145 and in respect to that work the items are considered ready for release to service.					
13a. Authorized Signature		13b. Approval/Autorization Number		14c. Certificate / Approval Ref. Number	
				DE.145.0001	
13c. Name		13d. Date		14e. Date (dd mmm yyyy)	
Diogenes Ciron				19 Jan 2017	

EASA FORM 1 - Issue 2 USER/INSTALLER RESPONSIBILITIES

Note: This certificate does not automatically constitute authority to install.

Where the user/installer performs work in accordance with regulations of an airworthiness authority different from the airworthiness authority specified in block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts items from the airworthiness authority specified in block 1.

Statements in block(s) 13a and 14a do not constitute installation certification. In all cases aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

W106403



Copa Airlines – Technical Records

NO ACCIDENT/ INCIDENT LETTER

QA-024-2016

April 06, 2016.

To Whom it may Concern:

It is hereby declared to the best of our knowledge, the parts listed below and its sub-Assemblies, have not been involved in any serious incident (fire, crash, failure) or accident during its time in service on ERJ-190-100 IGW/ SN 19000034

Description	Part Number Detail	Serial Number	TSN at Removal	CSN at Removal
NLG Shock Strut	190-70453-401	00045	23,317:59	14,539
NLG Drag Brace	190-70550-403	00047	23,317:59	14539
NLG Locking Stay	190-70650-401	00049	23,317:59	14,539
MLG Shock Strut LH	2821A0000-04	00140	23,317:59	14,539
MLG Side Stay LH	190-70150-403	00058	23,317:59	14,539
MLG Locking Stay LH	190-70250-407	00095	23,317:59	14,539
MLG Shock Strut RH	2822A0000-04	05140	23,317:59	14,539
MLG Side Stay	190-70150-404	00048	23,317:59	14,539
MLG Locking Stay	190-70250-407	00098	23,317:59	14,539
Shimmy Damper Assy	2265A0000-02	00195	23,317:59	14,539
Shimmy Damper Assy	2265A0000-02	00209	23,317:59	14,539

Parts were installed on May 30, 2006 and removed from ERJ-190-100 IGW / SN 19000034 on March 17, 2016.

Best Regards


 Virgilio De Mares
 QA Mx Manager
 VP Safety & Quality
 Copa Airlines
 Cc File-

R/H Main Landing Gear LLP Status

EMBRAER - MSN 19000034
Registration - HP-1857A/C IT: 23.318
A/C TC: 14.539
Date: 18-Mar-16
DOM: 21-Jul-08

No	PART Nomenclature	PART NUMBER	SERIAL NUMBER	LIFE LIMIT	DAYS SINCE OVHL	CYCLES REMAINING	TIME SINCE OVHL	PART TOTAL TIME	OVHL DUE DATE	DAYS TO OVHL	PART CYCLES	LIFE REMAINING	COMMENTS AND NOTES
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SHOCK STRUT ASSY LH (PN 2822A00C-04 & SN 05140)

1	SHOCK STRUT ASSY RH	2822A00C-04	05140	56,000	3,611	5,461	14,539	23,317.59	28-Apr-18	39	14,539	41,461	Original to MSN 19000034
1.1	MAIN FITTING RH	2822-0111	L0138	56,000	3,611	5,461	14,539	23,317.59	28-Apr-16	39	14,539	41,461	Original to MSN 19000034
1.2	UPPER TORQUE LINK	2821-0310	L61	56,000	3,611	5,461	14,539	23,317.59	28-Apr-18	39	14,539	41,461	Original to MSN 19000034
1.3	LOWER TORQUE LINK	2821-0410	L43	56,000	3,611	5,461	14,539	23,317.59	28-Apr-16	39	14,539	41,461	Original to MSN 19000034
1.4	INNER TUBE	2825-0014	HM00124	56,000	3,611	5,461	14,539	23,317.59	28-Apr-18	39	14,539	41,461	Original to MSN 19000034
1.5	BOLT	2821-0511	L47	56,000	3,611	5,461	14,539	23,317.59	28-Apr-16	39	14,539	41,461	Original to MSN 19000034
1.6	PIN PINTLE FWD	2821-0007	L79	56,000	3,611	5,461	14,539	23,317.59	28-Apr-18	39	14,539	41,461	Original to MSN 19000034
1.7	PIN PINTLE AFT	2821-0025	L103	56,000	3,611	5,461	14,539	23,317.59	28-Apr-16	39	14,539	41,461	Original to MSN 19000034
1.8	BOLT, SIDE STAY BRACKET	2821-0078	L100	56,000	3,611	5,461	14,539	23,317.59	28-Apr-18	39	14,539	41,461	Original to MSN 19000034
1.9	BOLT	1540-0021	L479	56,000	3,611	5,461	14,539	23,317.59	28-Apr-16	39	14,539	41,461	Original to MSN 19000034
1.10	BOLT	2821-0001	L60	56,000	3,611	5,461	14,539	23,317.59	28-Apr-18	39	14,539	41,461	Original to MSN 19000034
1.11	SLIDING TUBE	2821-0231	L0140	56,000	3,611	5,461	14,539	23,317.59	28-Apr-16	39	14,539	41,461	Original to MSN 19000034
1.12	WHEEL AXLE	2821-0202	L100	56,000	3,611	5,461	14,539	23,317.59	28-Apr-18	39	14,539	41,461	Original to MSN 19000034

MLG LOCKING STAY (PN 190-70200-407 & SN 00098)

2	MLG LOCKING STAY	190-70200-407	00098	56,000	3,601	5,461	14,539	23,317.59	08-May-16	49	14,539	41,461	Original to MSN 19000034
2.1	STAY, LOCKING UPPER - MLG	2821-0021	L157	56,000	3,601	5,461	14,539	23,317.59	08-May-18	49	14,539	41,461	Original to MSN 19000034
2.2	STAY, LOCKING LOWER - MLG	2821-0025	L154	56,000	3,601	5,461	14,539	23,317.59	08-May-16	49	14,539	41,461	Original to MSN 19000034
2.3	BOLT - MLG	170-70274-001	10871452095	56,000	3,601	5,461	14,539	23,317.59	08-May-18	49	14,539	41,461	Original to MSN 19000034

MLG SIDE STAY (PN 190-70150-404 & SN 00048)

3	MLG SIDE STAY	190-70150-404	00048	44,000	3,601	5,461	14,539	23,317.59	08-May-16	49	14,539	29,461	Original to MSN 19000034
3.1	LOWER - STAY	190-70152-003	AP 0108	44,000	3,601	5,461	14,539	23,317.59	08-May-18	49	14,539	29,461	Original to MSN 19000034
3.2	UPPER STAY	190-70154-003	AP 0089	44,000	3,601	5,461	14,539	23,317.59	08-May-16	49	14,539	29,461	Original to MSN 19000034
3.3	GRANCK BOLT	190-70164-003	1097674002	56,000	3,601	5,461	14,539	23,317.59	08-May-18	49	14,539	41,461	Original to MSN 19000034
3.4	BOLT SIDE STAY	190-70153-001	1096633006	56,000	3,601	5,461	14,539	23,317.59	08-May-16	49	14,539	41,461	Original to MSN 19000034
3.5	BOLT SIDE STAY	190-70153-001	1101032008	56,000	3,601	5,461	14,539	23,317.59	08-May-18	49	14,539	41,461	Original to MSN 19000034

DAMPER ASSY

4	DAMPER ASSY	2765A000-02	00209	56,000	3,611	5,461	14,539	23,317.59	28-Apr-16	39	14,539	41,461	Original to MSN 19000034
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[Signature]
 Stedany Sanchez Baskfield
 Analista Record Técnico
 Copa Airlines

CopaAirlines

Copa Airlines - Technical Records

NO ACCIDENT/INCIDENT LETTER**QA-33-2017**

March 21, 2017

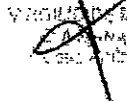
To whom it may concern:

It is hereby declared to the best of our knowledge, the parts listed below and its subassemblies have not been involved in any serious incident (fire, crash, failure) or accident during its time in service on ERJ-190-100 LR / SN 19000200.

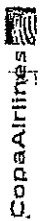
Description	Part Number Detail	Serial Number	TSN at Removal	CSN at Removal
Shimmy Damper Assy	2265A0000-03	01184	17,629:27	14,784

Parts were installed on Apr 19th, 2009 and removed from ERJ-190-100 LR / SN 19000200 on April 16, 2016.

Best Regards,


VIRGILIO DE MARES
QA Manager

Virgilio Jose De Mares
QA Manager



RH Main Landing Gear LLP Status

EMBR175 - MSN 19000200
Registration - HK-4359ACT TC: 19-07-01
ACT TC: 16-324
Date: 4-May-18
DOM: 21-Jul-08

No.	PART. NOMENCLATURE	PART. NUMBER	SERIAL NUMBER	LIFE LIMIT	DAYS SINCE CIVIL	CYCLES REMAINING	TIME SINCE CIVIL	TOTAL TIME	PART	OVHL DUE DATE	DAYS TO PART TOTAL	LIFE CYCLES REMAINING	COMMENTS AND NOTES
SHOCK STRUT ASSY LH (PN 4260A000-02 & SN 08345)													
1	SHOCK STRUT ASSY RH	4260A000-02	05345	50,000	2,850	2,876	19,171:01	19,171:01		13-Jul-18	800	16,324	Original to MSN 19000200
1.1	MAIN FITTING RH	2822-0111	L0576	50,000	2,850	3,678	19,171:01	19,171:01		13-Jul-18	800	16,324	Original to MSN 19000200
1.2	UPPER TORQUE LINK	2821-0318	L0307	50,000	2,850	3,678	19,171:01	19,171:01		13-Jul-18	800	16,324	Original to MSN 19000200
1.3	LOWER TORQUE LINK	2821-0410	L0486	50,000	2,850	3,678	19,171:01	19,171:01		13-Jul-18	800	16,324	Original to MSN 19000200
1.4	INNER TUBE	2821-0090	HV200333	50,000	2,850	3,678	19,171:01	19,171:01		13-Jul-18	800	16,324	Original to MSN 19000200
1.5	BOLT	2031-0002	L171	50,000	2,850	3,678	19,171:01	19,171:01		13-Jul-18	800	16,324	Original to MSN 19000200
1.6	PIN PINNLE FWD	2031-0007	L575	50,000	2,850	3,678	19,171:01	19,171:01		13-Jul-18	800	16,324	Original to MSN 19000200
1.7	PIN PINNLE AFT	2031-0025	L508	50,000	2,850	3,678	19,171:01	19,171:01		13-Jul-18	800	16,324	Original to MSN 19000200
1.8	BOLT SIDE STAY BRACKET	2821-0822	970	50,000	2,850	3,678	19,171:01	19,171:01		13-Jul-18	800	16,324	Original to MSN 19000200
1.9	BOLT	1940-0021	L1078	50,000	2,850	3,678	19,171:01	19,171:01		13-Jul-18	800	16,324	Original to MSN 19000200
1.10	BOLT (H/O)	2821-0001	L392	50,000	2,850	3,678	19,171:01	19,171:01		13-Jul-18	800	16,324	Original to MSN 19000200
1.11	SLIDING TUBE	2821-0021	L0558	50,000	2,850	3,678	19,171:01	19,171:01		13-Jul-18	800	16,324	Original to MSN 19000200
1.12	WHEEL AXLE	2821-0202	L0477	50,000	2,850	3,678	19,171:01	19,171:01		13-Jul-18	800	16,324	Original to MSN 19000200
MLG LOCKING STAY (PN 190-70250-409 & SN 08471)													
2	MLG LOCKING STAY	190-70250-409	00471	60,000	2,844	3,678	19,171:01	19,171:01		19-Jul-18	800	16,324	Original to MSN 19000200
2.1	STAY LOCKING UPPER - MLG	190-70254-005	AP 0513	60,000	2,844	3,678	19,171:01	19,171:01		19-Jul-18	800	16,324	Original to MSN 19000200
2.2	STAY LOCKING LOWER - MLG	190-70252-005	AP 0561	60,000	2,844	3,678	19,171:01	19,171:01		19-Jul-18	800	16,324	Original to MSN 19000200
2.3	BOLT - MLG	170-70274-001	1228460033	50,000	2,844	3,678	19,171:01	19,171:01		19-Jul-18	800	16,324	Original to MSN 19000200
MLG SIDE STAY (PN 190-70200-402 & SN 09035)													
3	MLG SIDE STAY	190-70200-402	00035	44,000	2,850	3,678	19,171:01	19,171:01		13-Jul-18	800	16,324	Original to MSN 19000200
3.1	LOWER - STAY	190-70162-003	AP 0571	44,000	2,850	3,678	19,171:01	19,171:01		13-Jul-18	800	16,324	Original to MSN 19000200
3.2	UPPER STAY	190-70154-003	AP 0255	44,000	2,850	3,678	19,171:01	19,171:01		13-Jul-18	800	16,324	Original to MSN 19000200
3.3	CRANCK BOLT	190-70104-005	12153714503	50,000	2,850	3,678	19,171:01	19,171:01		13-Jul-18	800	16,324	Original to MSN 19000200
3.4	BOLT SIDE STAY	190-70150-003	1189893016	50,000	2,850	3,678	19,171:01	19,171:01		13-Jul-18	800	16,324	Original to MSN 19000200
3.5	BOLT SIDE STAY	190-70105-001	1189552608	50,000	2,850	3,678	19,171:01	19,171:01		13-Jul-18	800	16,324	Original to MSN 19000200
DAMPER ASSY													
4	DAMPER ASSY	2205AN000-03	01184	50,000	2,004	5,316	17,029:27	17,029:27		10-Mar-19	1,040	14,784	new

Stefany Sanchez
Analista de Registros Técnico
Copa Airlines

1. Approving Civil Aviation Authority/Country: FAA/United States		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG		3. Form Tracking Number: 273637	
4. Organization Name and Address: Liebherr Aerospace Saline, Inc. 1465 Woodland Drive - Saline, MI 48176 U.S.A.		L3RR193H		5. Work Order/Contract/Invoice Number: 273637	
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:
1	SHIMMY DAMPER, ASSY	2265A0000-03	1	01184	OVERHAULED
12. Remarks: TSO 0 Modification: from to Approved Data: CMIM 32-11-16 9/15/2014 Rev 4 According to Investigation Report No: 273637 Return to service: Work specified accomplished IAW 14CFR Part 43.13(a)(b) and/or (c) / AC 43.18 if local fabricated parts were used Comments: TSN: 17629-27 TSO: 0 CSN: 14784 CSO: 0					
Limited life parts must be accompanied by maintenance history including total time / total cycle / time since new.					
13a. ☐ 14 CFR 43.9 Return to Service ☐ Other regulation specified in Block 12 ☐ Approved design data and are in a condition for safe operation. ☐ Non-approved design data specified in Block 12.					
13b. Authorized Signature:		13c. Approval/Authorization No:		14c. Approval/Certificate No.: L3RR193H	
13d. Name (Typed or Printed):		13e. Date (dd/mm/yyyy):		14d. Date (dd/mm/yyyy): 04 AUG 2016	
THOMAS G. JIMENEZ					
User/Installer Responsibilities					
It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article.					
Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1.					
Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.					

Liebherr-Aerospace Lindenberg GmbH
Pfänderstraße 50-52
88136 Lindenberg/Allgäu

ENGINEERING LOG CARD

EQUIPMENT DESCRIPTION	EQUIPMENT PART NUMBER	EQUIPMENT SERIAL NUMBER
Main Landing Gear Shock Strut, Assy	4260A0000-01	05345
MANUFACTURER	SERVICE LIFE	SHELF LIFE
Liebherr-Aerospace Lindenberg GmbH	as per MRB	as per CMM
		TIME BETWEEN OVERHAUL
		as per MRB

① MANUFACTURER APPROVAL

COMPLETE NAME Lödl Jochen	SIGNATURE 	STAMP 	DATE 24.04.2008
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② REMARKS

Duplicate created like required  PN changed to 9260A0000-02
in Order 520536 ~~8-11-2004~~ 20.04.17 due SB 190-32-0037

③ EQUIPMENT INSTALLATION AND REMOVAL DATA

[illegible]

④ ENGINEERING CHANGES (SB, AD, STC, etc.)

[illegible]

⑤ MAINTENANCE, REPAIR AND OVERHAUL

[illegible]