

Partnumber: 161A1100-40

Serialnumber: MAL02520Y1240

Date	Description	AC Registration	TSN	CSN	TAH	TAC	TBI	CBI	Sign
02.Dec.2002	INSTALLATION	DAC	0	0	0	0	-	-	
29.Oct.2007	REMOVAL	DAC	17381	12122	17381	12122	17381	12122	
29.Oct.2007	INSTALLATION	CSC	17381	12122	26500	18464	-	-	

RYANAIR ENGINEERING
CORPORATE HEAD OFFICE
DUBLIN AIRPORT

7/1/07



Airplane Configuration Tracking (ACT)

[Home](#)[ACT News](#)[Contacts](#)[FAQ](#)[Glossary](#)[Tutorial](#)[Site Map](#)**ACT Airplane Detail****AIRPLANE INFORMATION**

<u>Airplane ID:</u> YC496	Serial No: 29938
Basic Effectivity: Y1670	Line No: 1240
Engine Effectivity: Y7240	TCDS: 737-800
<u>Firing Order Designation:</u> 737- 8AS	Firing Order Description: 800 PASSENGER
<u>Original Configuration:</u> 737-800	Original Config Description: 800 PASSENGER
<u>Current Configuration:</u> 737-800	Current Config Description: 800 PASSENGER
Original Registry: EI-DAC	<u>Export Control Indicator:</u> N
Current Registry: EI-DAC	Country Of Registry: IRELAND
ME Registry: EI-DAC	<u>Customer Tail Number:</u> DAC
Engine Description: CFM56-7B27	Engine MFG: C.F.M.I.
<u>Status:</u> Active	Out Of Service Date:
<u>Delivery Date:</u> 12/02/2002(Actual)	<u>Nominal Roll Out Date:</u> 10/16/2002
<u>Contract Date:</u> 12/2002	Revision Date:
Last Row Update: 11/14/2002	<u>Re-Implemented Airplane Code:</u>
<u>DIV Intro Code:</u>	<u>DIV Remarks (Firing Order):</u>
<u>Airplane Tier Code:</u> 1	<u>Operator Tier Code:</u> 1
<i>* Third Party Proprietary - Access Restricted to Boeing Employees and RM&T Approved Users</i>	
* <u>HRS/CYC Effective:</u>	* <u>Cycle Ratio:</u>
* <u>Airframe Hours:</u>	* <u>Airframe Cycles:</u>

CUSTOMER INFORMATION(For Questions or Changes: [ACT Contacts](#))

Click on Customer Code to go to the Fleet Information Page

	<u>CODE</u>	<u>NAME</u>	<u>CURRENT OPERATOR</u>	<u>COUNTRY OF OPERATION</u>
Current Owner:	<u>RYR</u>	RYANAIR	<u>RYR</u>	IRELAND
Delivery Owner:	<u>RYR</u>	RYANAIR		IRELAND
Delivery Operator:	<u>RYR</u>	RYANAIR		IRELAND

REMARKS AND ADDITIONAL COMMENTS

Remarks:

BUSINESS CONSIDERATION

Select New Airplane ID:

Select New Serial Number:

IPC INFORMATION(For Questions or Comments contact: [ACT Contacts](#))

MAIN LANDING GEAR - RH

00000519

05.Sep.2013

14:13

Page 1/1

PN: 161A1100-40 SN: MAL02520Y1240

DESCRIPTION: MAIN LANDING GEAR ASSY RH

[illegible]



Corporate Head Office,
Dublin Airport,
County Dublin,
Ireland.
Telephone: +353 1 8121212
General Fax: +353 1 8121213
site; DUBHQFR
Reservations: +353 1 2497700
Website: www.ryanair.com

Department Fax Numbers
Finance: 01 8121373
Sales & Marketing: 01 8446625
Flight Operations: 01 8444404
Engineering: 01 8121338
Reservations: 01 6097902

Aircastle Investment Holdings Ltd.
8 Fitzwilliam Place,
Dublin 2
1st Nov 2007

Dear Sir,

Ref: Accident-Incident Statement B737-800 EI-CSC S/No. 29918 YC473

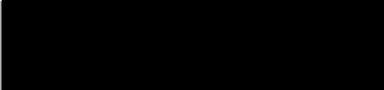
Engine #1 P/No CFM56-7B S/No 890342 was originally fitted to EI-DAJ on delivery in February 2003
It has remained on DAJ until removal for fitting to EI-CSC on the 29th Oct 07.

Engine # 2; P/No CFM56-7B S/No 891289 was originally fitted to EI-DAD on delivery in December
2002. It has remained on DAD until removal for fitting to EI-CSC on the 26th Oct 07.

APU	P/No. 3800702-1	S/No. P-5833
NLG	P/No. 162A1100-5	S/No. MAL00379Y1240
MLG LH	P/No. 161A1100-39	S/No. MAL02519Y1240
MLG RH	P/No. 161A1100-40	S/No. MAL02520Y1240

This to confirm that to the best of our knowledge and belief and during our current period of ownership, the hereby listed B737-800 aircraft, it's Engines/APU and landing gears has not been in any major accident or incident, as defined per ICAO Annex 13, determined by Ryanair limited, acting as a prudent operator of B737 aircraft.

Yours Sincerely


Kenneth Holland
Quality Manager
RYANAIR LIMITED



Ryanair DAC
Dublin Office
Airside Business Park
Swords, Co. Dublin
Ireland
Telephone: +353 1 9451212

Fax Numbers
General: +353 1 945 1213
Finance: +353 1 945 1373
Sales & Marketing: +353 1 945 1642
Engineering: +353 1 945 1338
Website: www.ryanair.com

Ref: Accident/Incident Statement LH MLG & RH MLG

Date: 05-12-2019

To whom it may concern,

The below LG were delivered installed on Ryanair aircraft and operated until 05/11/2007
(TSN: 17381, CSN 12122).

MLG RHS PN	MLG RHS SN	MLG LHS PN	MLG LHS SN	Del.on AC	Date	Ret.on AC	End of RYR Operation	Remarks
161A1100-40	MAL02520Y1240	161A1100-39	MAL02519Y1240	EI-DAC (MSN 29938)	02/12/2002	EI-CSC (MSN 29918)	05/11/2007	Sold to Aircastle

This is to confirm that to the best of our knowledge and belief that during our period of ownership the hereby listed MLG, have not been in any major accident or incident, as defined per ICAO Annex 13, determined by Ryanair DAC, acting as prudent operator of B737 aircraft.

Yours Sincerely



Gerard Mc.Grath
Quality Manager
Ryanair DAC



Ryanair DAC

Registered in Ireland. 104547

V.A.T. REG. NO. 4749148U



Linhas aéreas inteligentes
CHETA 2008-12-0VRN-01-00
CHE 0411-01/ANAC

MAIN LANDING GEAR - RH

05.Sep.2013

16:39

Page 7 / 63

00000519

MAIN LANDING GEAR ASSY RH

___ PN: 161A1100-40 SN: MAL02520Y1240 (MAIN LANDING GEAR ASSY RH)

___ PN: 161A1118-26 SN: AD1302 (RH OUTER CYLINDER ASSY - MLG)

Date	Booking	US/SD	Partno	SN/BN	Co	TSN	TBI	CSN	CBI	A/C	TAH	TAC	WFO
29.Oct.2007	INSTALLATION [YE]		161A1118-26	AD1302	SV	17381	0	12122	0	VBC	26500	18464	—
17.Jan.2012	REMOVAL [YA]	SD	161A1118-26	AD1302	US	32780	15399	20995	8873	VBC	41899	27337	100251291
25.Jul.2012	INSTALLATION [YE]		161A1118-26	AD1302	OH	32780		20995		GIH	28566	20984	100351369
21.Aug.2013	REMOVAL [YA]	SD	161A1118-26	AD1302	OH	36199	3419	23896	2901	GIH	31985	23885	100460396
21.Aug.2013	INSTALLATION [YE]		161A1118-26	AD1302	OH	36199		23896		VBC	46878	30317	100427941
05.Sep.2013	ACTUAL STATUS [HJ]		161A1118-26	AD1302	SV	36200	—	23897	—	VBC	46879	30318	—



REGISTRO DE SERVIÇOS EXECUTADOS RECORD OF WORK ACCOMPLISHED

Nº 301838110



CLIENTE (customer) RG LINHAS AÉREAS S.A.		REFERÊNCIA (Ref.) N/A	ITEM ORIGEM (Origem Task Card) N/A
NOME (Name) MLG INSTALLATION RH			Nº SEQ.(Seq.Nbr) N/A
P / N 161A1100-40	N / S ou QTDE.(S/N or Qty.) MAL02520Y1240 (SN)	TEMPO TOTAL(TT) N/A	TDR (TSC) N/A
DATA (Date) FEB/01/12	AVIÃO ou P/N CONJ.MAIOR (A/C or Next higher Assy P/N) PR-VBC	CÓD. POSIÇÃO ou S/N CONJ.MAIOR (Pos. Code or Next higher Assy S/N) N/A	
MOTIVO (Reason) RO R10418612 - NF-e 000011709 FAIL: N/A TO OVERHAUL.			
SERVIÇO SOLICITADO (Requested Service) OVERHAUL			

MOTIVO FOI JUSTIFICADO ? Reason justified ?	☒ SIM Yes	☐ NÃO No	☐ N.A.	INSP./ TESTADO POR / MATRÍCULA: Insp./ Tested by / Regist.Nbr.:
--	--	------------------------------------	-------------------------------	--

CONSTATAÇÕES DE OFICINA:
Shopfindings:

IN SERVICE WEAR.
NOTE: THE SUBJECT SIDE STRUT ASSY, MLG DOWNLOCK ACTUATOR ASSY, MLG
UPLOCK ASSY, HARNESS INSTL, BEARING ASSY AND MINOR COMPONENTS WERE
RECEIVED WITH MLG P/N 161A1100-40 S/N MAL02520Y1240.

EXECUTADO POR / MATRÍCULA: Accomplished by / Regist.Nbr.:
--

SERVIÇO EXECUTADO: Overhaul
Accomplished Work:

DESCRIÇÃO DOS SERVIÇOS:
Work Description:

OVERHAULED ACCORDING TO BOEING CMM 32-11-12 REVISION 32, CMM 32-11-16
REVISION 22, CMM 32-11-09 REVISION 18, CMM 32-32-27 REVISION 13,
CMM 32-11-13 REVISION 26, CMM 32-32-34 REVISION 21 AND CMM 57-15-01
REVISION 24.
NOTE 1: THE OVERHAUL MLG ASSY INCLUDES SIDE STRUT ASSY, UPLOCK ASSY,
HARNESS INSTL, HYDRAULIC INSTL, MLG DOWNLOCK ACTUATOR, BEARING ASSY AND
MINOR COMPONENTS.
NOTE 2: THE SHIMMY DAMPER AND MLG RETRACT ACTUATOR WERE NOT INSTALLED ON
THIS MLG.
T.S.O.: OH C.S.O.: OC
T.S.N.: 32780H C.S.N.: 20995C (INFORMATIONS SUPPLIED BY VRG LINHAS
AÉREAS).
SEE FINAL CONDITION REPORT N 11/12 FOR DETAILS.

MANUAL: Manual:	REVISÃO: Revision:	DATA: Date:	OFICINA: Shop:	LOCAL: Station:
C.M.M 32-11-12	32	MAR/01/12	153	POA

CERTIFICADO Certificate Nbr.	INSPEÇÃO AUTORIZADA / MATRÍCULA: Authorized Inspector / Regist.Nbr.:
VAR27611 0112-01/ANAC	



FINAL CONDITION REPORT

MAIN LANDING GEAR - RH

P/N: 161A1100-40

S/N: MAL02520Y1240

REPORT N°.: 11/12

DATE: MAR, 2012



REVISION RECORD

ORIGINAL REVISION DATED MAR, 2012

Pages which have been added or revised are outlined below together with the highlights of the revision.

TITLE	DESCRIPTION
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INDEX

1. IDENTIFICATION	4
2. OVERHAUL DESCRIPTION	5
2.1. Disassembly	5
2.2. Basic Repair Procedures	5
2.3. Refinishing	5
2.4. Assembly	5
2.5. Testing	5
3. AIRWORTHINES DIRECTIVE, SERVICE BULLETINS AND SERVICE LETTER.....	6
4. BOEING REPAIR CONCESSIONS.....	6
5. PARTS STATUS.....	6
6. FAA FORM 8130-3.....	6
7. ANAC FORM (SEG VOO-003)	6

WORK STATEMENT

REPORT Nº: 11/12

DATE: MAR, 2012

1. IDENTIFICATION

Main Landing Gear RH P/N: 161A1100-40

Main Landing Gear RH S/N: MAL02520Y1240

Removed from Aircraft: PR-VBC

S/N.: 29918

Customer: VRG Linhas Aéreas

Reason for Removal: Overhaul

Work Performed: Overhaul

Work Order: 10231763

Operation Time in Hours and Cycles

TSN: 32780H

CSN: 20995C

TSO: 0H

CSO: 0C

2. OVERHAUL DESCRIPTION

The overhaul performed on the MLG removed from the subject aircraft was performed in accordance with instructions of Boeing CMM 32-11-12, 32-11-09, 32-11-13, 32-11-16, 32-32-27, 32-32-34, 57-15-01 and Boeing SOPM, when applicable, following the tasks below:

2.1. Disassembly

2.2. Basic Repair Procedures

- 2.2.1. Cleaning per SOPM 20-30-03.
- 2.2.2. Bushing, bearing, lube fittings, etc, removal.
- 2.2.3. Paint and finishes stripping per SOPM 20-30-02.
- 2.2.4. Visual inspection and local corrosion removal from the surfaces, as applicable.
- 2.2.5. Stress relief for 4 hours at 350-400 °F (180-200 °C), on steel parts.
- 2.2.6. Magnetic particle inspection per SOPM 20-20-01 or Fluorescent Penetrant Inspection (FPI) per SOPM 20-20-02, as applicable.
- 2.2.7. Chrome plate, Sulfamate Nickel plate and Cadmium plate removal per SOPM 20-30-02.
- 2.2.8. Etch inspection per SOPM 20-10-02.

2.3. Refinishing

- 2.3.1. LHE Cadmium Plate as applicable. Reference SOPM 20-42-01.
- 2.3.2. Anodizing all aluminum as applicable. Reference SOPM 20-43-01.
- 2.3.3. Painting as required per applicable CMM/OHM.

2.4. Assembly

- 2.4.1. Electrical installation per applicable CMM/OHM.
- 2.4.2. Hydraulic installation per applicable CMM/OHM.
- 2.4.3. Application of corrosion inhibiting compounds per SOPM 20-41-05.

2.5. Testing

- 2.5.1. Shock Strut leakage testing in accordance with CMM 32-11-12.

3. AIRWORTHINES DIRECTIVE, SERVICE BULLETINS AND SERVICE LETTER

See details on attachment 1.

4. BOEING REPAIR CONCESSIONS

During overhaul the following Boeing repair concession was requested and approved:

- 4.1. MESSAGE NUMBER: YIG-GOT-12-0011-02B regarding P/N: 161A1152-2 S/N: MK0094.
- 4.2. MESSAGE NUMBER: YIG-GOT-11-0042-02B regarding P/N: 161A1192-13 S/N: E2268.
- 4.3. MESSAGE NUMBER: YIG-GOT-12-0009-02B regarding P/N: 161A1214-3 S/N: EGL1806.

See details on attachment 2.

5. PARTS STATUS

See details on attachment 3.

6. FAA FORM 8130-3

See details on attachment 4.

7. ANAC FORM (SEG VOO 003)

See details on attachment 5.

Prepared by:



Carlos R. de Jesus - Registry n° 56213-3
Landing Gear Shop Supervisor
TAP M&E Brazil

Approved by:



Cleber Antonio Zanella - CREA RS: 120070-D
Landing Gear Engineer
TAP M&E Brazil



ATTACHMENT 1

NAME				P/N	S/N	WORK ORDER
MAIN LANDING GEAR ASSY - RH				161A1100-40	MAL02520Y1240	10231763
SERVICE BULLETIN, SERVICE LETTER AND AIRWORTHINESS DIRECTIVE STATUS						
SB NUMBER	REV.	AD REFERENCE	REV.	SUJECT	STATUS	OBSERVATIONS
SB 32-1299	0	N/A	N/A	Electrical Harness - Swivel Connectors Replacement.	Previously accomplished	N/A
SB 32-1311	0	N/A	N/A	Lower Brake Hose Replacement and Hose Support Bracket Addition.	Previously accomplished	N/A
SB 32-1312	3	N/A	N/A	Shimmy Damper Addition	Not Accomplished	Shimmy Damper Assy not installed.
SB 32-1368	1	N/A	N/A	Shimmy Damper Assembly Repairs and Seals Replacement.	Not Accomplished	Shimmy Damper Assy not installed.
SB 32-1369	4	N/A	N/A	Retract Actuator Cylinder Assembly Modification Or Replacement	Not Accomplished	Retract Actuator Assy not installed.
SB 32-1376	2	2009-26-04	N/A	Forward Trunnion Pin Inspection and Replacement.	Accomplished during overhaul	N/A
SB 32-1393	1	N/A	N/A	Outer Cylinder Walking Beam Clevis Bushing and Retract Actuator Clevis Bushing Replacement.	Accomplished during overhaul	N/A
SB 32-1402	0	2009-24-07	N/A	Forward Trunnion Pin Inspection and Replacement.	Accomplished during overhaul	N/A
SB 32-1448	0	N/A	N/A	Fwd and Aft Trunnion Pin Assemblies Inspection and Change	Accomplished during overhaul	Work Package 3 Acoomplished: * Fwd Trunnion Pin inspected per figure 2 and new bushing installed per figure 9.* Aft Trunnion Pin inspected per figure 3 and new bushing installed per figure 11.* New bushings installed on MLG Outer Cylinder per figure 17 and 19. * Outer Race modified per appendix "J". Aft Trunnion Brg Ball (Split Ball) P/N 161A1502-9 installed.
SL 32-085	0	N/A	N/A	Flex Conduit Chafing on Torsion Link Apex Nut.	Not Accomplished	N/A

NAME				P/N	S/N	WORK ORDER
MAIN LANDING GEAR ASSY - RH				161A1100-40	MAL02520Y1240	10231763
SERVICE BULLETIN, SERVICE LETTER AND AIRWORTHINESS DIRECTIVE STATUS						
SB NUMBER	REV.	AD REFERENCE	REV.	SUJECT	STATUS	OBSERVATIONS
SL 32-105	D	N/A	N/A	Landing Gear Component Interchangeability and Safe Life Component Information.	Accomplished during overhaul	N/A
SL 32-108	O	N/A	N/A	Torsion Link Apex Nut found loose.	Not Accomplished	Shimmy Damper Assy not installed.
SL 32-135	A	N/A	N/A	Shimmy Damper Mounting Bolts - Grip Length.	Not Accomplished	Shimmy Damper Assy not installed.
SL 32-160	O	N/A	N/A	MLG Side Strut Apex Pin Finish Changes.	Accomplished during overhaul	N/A
SL 32-165	A	N/A	N/A	737NG Landing Gear Restoration Requirements.	Accomplished during overhaul	N/A



Gleber Antonio Zanella - CRETA/RS-126678-B
Landing Gear Engineer
TAP M&E Brazil

Date: MAR, 16, 2012



ATTACHMENT 2

Email Message related to SR #: 1-2119736287

Account: TAP Maintenance and Engineering Brazil

Activity #: 1-Z21CR9

Timestamp: 20-Feb-2012 05:59:20 AM

Owner: Lawrence Slosar

Message Sent: 17-Feb-2012 08:55:00 PM ((GMT-03:00) Brasilia)

Message Number: YIG-GOT-12-0011-02B

Status: Done

Type: Email - Outbound

Sub Type: Boeing Response

From:

Due:

Field Base: BFSCGH - Sao Paulo - Brazil

To:

simone.pecantet@tapme.com.br,frederico.seitenfus@tapme.com.br,luiz.salomao@tapme.com.br,lsalomao.ez@terra.com.br,cleber.zanella@tapme.com.br

Cc:

Airplanes:

Registry #	Variable #	Serial #	Hours	Cycles
PR-VBC	YC473	29918	42182	27494

Inquiry Type: Component Repair

FAA Form 8100-9 Requested: No

Repair Design Record Requested: No

Subject: MLG SHOCK STRUT ORIFICE SUPPORT TUBE P/N 161A1152-2 S/N MK0094 //YIG-GOT-12-0024C-MLG Orifice Support Tube repair//

Body:

FROM: THE BOEING COMPANY

TO: TAP Maintenance and Engineering Brazil (YIG)

[MESSAGE NUMBER:YIG-GOT-12-0011-02B] Boeing Response

MESSAGE DATE: 17 Feb 2012 1554 US PACIFIC TIME / 17 Feb 2012 2354 GMT

The following message is distributed to the following people at TAP Maintenance and Engineering Brazil:
Simone Pecantet, Frederico Seitenfus, Luiz F Salomao, Cleber Antonio Zanella

Field Service Base: BFSCGH

Service Category: Airplane Model: 737Series/Product: 737-800 ATA: 3210-50

SUBJECT: MLG SHOCK STRUT ORIFICE SUPPORT TUBE P/N 161A1152-2 S/N MK0094 //YIG-GOT-12-0024C-MLG Orifice Support Tube repair//

AIRPLANE (VARIABLE/SERIAL): YC473/29918 REGISTRY: PR-VBC Flight Hours: 42182 Flight Cycles: 27494

INQUIRY TYPE: Component Repair FAA Form 8100-9 Requested: No Repair Design Record Requested: No

Part Number: 161A1152-2 Part Serial Number: MK0094 P/N CAGE Code:

REFERENCES:

/A/ YIG-GOT-12-0011-01C

/B/ CMM 32-11-12

/C/ P/N 161A1152-2 S/N MK0094

DESCRIPTION:

During overhaul of subject part corrosion pits were found on the seal area (7.244 / 7.247 inches design diameter).

Ref. /B/ manual does not provide repair instructions for this area. TAP M&E machined the seal area to 7.231 inches (125 RMS) to clean up corrosion pits.

After machining the part was inspected by Fluorescent Penetrant Inspection and no cracks were found.

To restore the seal area, TAP M&E plans to accomplish the following repair plan:

- 1) Apply BMS 10-67 type 10 (Aluminum Alloy, 7000 series) per SOPM 20-10-05.
- 2) Machine seal area back to 7.244 / 7.247 inches (16 RMS finish).

Repair and refinish will be completed per ref. /B/ manual.

RESPONSE AND/OR REQUIRED ACTION :

- 1) Please, inform if subject part is structurally satisfactory to return to normal service with the proposed repair plan.
- 2) If it is not, please, inform reason and provide repair instructions.
- 3) TAP M&E considers this repair to be a minor repair. If there is any type of safe life restriction, cycle restriction, or weight restriction it will be considered major and an 8100-9 form will be requested. If Boeing believes that this is a major repair, please provide an 8100-9 form.

RESPONSE:

The subject part as described in the reference /A/ message is structurally acceptable for continued service.

Restore the seal groove diameter by application of BMS10-67 type 10 thermal spray per SOPM 20-10-05 and machining back to design dimensions (7.244/7.247). Restore surface finish to 16 Ra or better.

Repair and refinish in accordance with the reference /B/ CMM and standard aluminum repairs.

Boeing has reviewed the damage/repair data and based on Boeing's understanding of the definition for a major repair, Boeing considers this repair to be minor. Final determination of classification remains the responsibility of the one making the repair.

If attachments are referred to, and are not present, please reply to this e-mail or contact your Boeing Field Service Representative.

Enhanced Controls Required?:Yes

Summary Notes:

Larry Slosar
Bharat Kapadia
Structures - Renton

Commercial Aviation Services
The Boeing Company

BOEING PROPRIETARY

This message and any attachments to it contains Boeing Proprietary material which is protected by law and/or per the terms of existing agreements with Boeing. Proprietary material may be used by the recipient only as permitted under the terms of any such prior agreement with Boeing. This message is intended only for the named recipients. If you are not an intended recipient, you are hereby notified that any further review, copying, use or dissemination of this message is strictly prohibited. If you have received this message in error, delete it from your computer and/or other storage medium and notify the sender immediately.

Email Message related to SR #: 1-2117121251**Account:** TAP Maintenance and Engineering Brazil**Activity #:** 1-Z0MWT5**Timestamp:** 16-Feb-2012 06:04:53 AM**Owner:** Matthew Botting**Message Sent:** 15-Feb-2012 06:08:41 PM ((GMT-03:00) Brasilia)**Message Number:** YIG-GOT-12-0009-02B**Status:** Done**Type:** Email - Outbound**Sub Type:** Boeing Response**From:****Due:****Field Base:** BFSCGH - Sao Paulo - Brazil**To:**

matthew.c.botting@boeing.com, frederico.seitenfus@tapme.com.br, luiz.salomao@tapme.com.br, lsalomao.ez@terra.com.br, simone.pecantet@tapme.com.br, cleber.zanella@tapme.com.br

Cc:**Airplanes:**

Registry #	Variable #	Serial #	Hours	Cycles
PR-VBC	YC473	29918	42182	27494

Inquiry Type: Component Repair

FAA Form 8100-9 Requested: No

Repair Design Record Requested: No

Subject: MLG APEX PIN P/N 161A1214-3 S/N EGL1806 //YIG-GOT-12-0022C//**Body:**

FROM: THE BOEING COMPANY

TO: TAP Maintenance and Engineering Brazil (YIG)

[MESSAGE NUMBER:YIG-GOT-12-0009-02B] Boeing Response

MESSAGE DATE: 15 Feb 2012 1308 US PACIFIC TIME / 15 Feb 2012 2108 GMT

The following message is distributed to the following people at TAP Maintenance and Engineering Brazil:

Frederico Seitenfus, Luiz F Salomao, Simone Pecantet, Cleber Antonio Zanella

Field Service Base: BFSCGH

Service Category: Airplane Model: 737Series/Product: 737-800 ATA: 3210-40

SUBJECT: MLG APEX PIN P/N 161A1214-3 S/N EGL1806 //YIG-GOT-12-0022C//

AIRPLANE (VARIABLE/SERIAL): YC473/29918 REGISTRY: PR-VBC Flight Hours: 42182 Flight Cycles: 27494

INQUIRY TYPE: Component Repair FAA Form 8100-9 Requested: No Repair Design Record Requested: No

Part Number: 161A1214-3 Part Serial Number: EGL1806 P/N CAGE Code:

REFERENCES:

/A/ YIG-GOT-12-0009-01C

/B/ CMM 32-11-12, repair 22-1

DESCRIPTION:

During overhaul of subject part, threads were machined to 1/16 inch undersize to remove corrosion pits.

Final dimension of threads after machining are as follows:

- * Major Dia: 0.9345 inch.
- * Pitch Dia: 0.881 inch.
- * Minor Dia: 0.838 inch.
- * Thread relief Dia: 0.830 inch.

After machining the part was inspected by Nital Etch and by Magnetic Particle. No overheat damages neither cracks were found.

To repair the part, TAP M&E plans to manufacture and install a repair nut similar to P/N 161A1215 except for the threads that will be reduced in 1/16 inch undersize to match the pin thread. The pin and repair nut will be permanently identified as a non-interchangeable matched set.

Please, be informed that ref. /A/ part has 20995 cycles since new.

REQUIRED ACTION :

- 1) Please, inform if subject part is structurally satisfactory to return to normal service with the proposed repair.
- 2) If it is not, please, inform reason and provide repair instructions.
- 3) TAP M&E considers this repair to be a minor repair. If there is any type of safe life restriction, cycle restriction, or weight restriction it will be considered major and an 8100-9 form will be requested. If Boeing believes that this is a major repair, please provide an 8100-9 form.

RESPONSE:

The subject part as described in the reference /A/ message is structurally acceptable for continued service.

Maintain 0.05/0.06 inch radii with 63 micro inch surface finish for the thread relief fillet. Ensure that the pin threads meet the requirements of 0.9375-12UNJ-3A in accordance with SAE AS8879. Fabricate a nut similar to P/N 161A1215-1 except with threads at 0.9375-12UNJ-3B in accordance with SAE AS8879. Fabricate nut from 4340M steel bar per BMS7-26, normalized and subcritical annealed to RC33 maximum. Heat treat to 275-300 ksi per BAC5617. Maximum decarburization on any surface to be D2. Permanently identify the pin and new nut as a non-interchangeable matched set on the same surfaces as original part mark using electro-chem etch or vibroengraving per SOPM 20-50-10.

Repair and refinish in accordance with the reference /B/ CMM and CMM 32-00-05.

If attachments are referred to, and are not present, please reply to this e-mail or contact your Boeing Field Service Representative.

Enhanced Controls Required?:Yes

Summary Notes:

Matthew C. Botting
Landing Gear Structures - Renton
Bharat Kapadia
Commercial Aviation Services
The Boeing Company

BOEING PROPRIETARY

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Email Message related to SR #: 1-2043023738

Account: TAP Maintenance and Engineering Brazil

Activity #: 1-XV0VDD

Timestamp: 02-Dec-2011 04:04:34 PM

Owner: Timothy Turek

Message Sent: 24-Nov-2011 01:52:01 AM ((GMT-03:00) Brasilia)

Message Number: YIG-GOT-11-0042-02B

Status: Done

Type: Email - Outbound

Sub Type: Boeing Response

From:

Due:

Field Base: BFSCGH - Sao Paulo - Brazil

To:

timothy.g.turek@boeing.com,alexandre.feijo@tapme.com.br,luiiz.salomao@tapme.com.br,lsalomao.ez@terra.com.br,cleber.zanella@tapme.com.br

Cc:

Airplanes:

Registry #	Variable #	Serial #	Hours	Cycles
PR-VBB	YC472	29917	33688	20997

Inquiry Type: Component Repair

FAA Form 8100-9 Requested: No

Repair Design Record Requested: No

Subject: MLG AFT TRUNNION PIN P/N 161A1192-4 S/N E2268 // YIG-GOT-11-00487C //

Body:

FROM: THE BOEING COMPANY

TO: TAP Maintenance and Engineering Brazil (YIG)

[MESSAGE NUMBER:YIG-GOT-11-0042-02B] Boeing Response

MESSAGE DATE: 23 Nov 2011 1951 US PACIFIC TIME / 24 Nov 2011 0351 GMT

The following message is distributed to the following people at TAP Maintenance and Engineering Brazil:
Alexandre Feijo, Luiz F Salomao, Cleber Antonio Zanella

Field Service Base: BFSCGH

Service Category: Airplane Model: 737Series/Product: 737-800 ATA: 3210-10

SUBJECT: MLG AFT TRUNNION PIN P/N 161A1192-4 S/N E2268 // YIG-GOT-11-00487C //

AIRPLANE (VARIABLE/SERIAL): YC472/29917 REGISTRY: PR-VBB Flight Hours: 33688 Flight Cycles: 20997

INQUIRY TYPE: Component Repair FAA Form 8100-9 Requested: No Repair Design Record Requested: No

Part Number: 161A1192-4 Part Serial Number: E2268 P/N CAGE Code:

REFERENCES:

/A/ P/N 161A1192-4 (Assy -3), S/N E2268

/B/ CMM 32-11-09, repair 3-1

/C/ YIG-GOT-11-00487C - sketch

/D/ YIG-GOT-11-0042-01C

DESCRIPTION:

Description

=====

During overhaul of ref. /A/ part and accomplishment of SB 737-32-1448, severe corrosion pits were found around the edges of cross bolt hole. See ref. /B/ manual, dia [6A].

The chrome plate was stripped from dia [1] and the base metal was machined to 3.229 inches.

Dia [6A] was machined to 0.9270/0.9286 inches and the remaining corrosion pits were locally blended.

See details and dimensions on ref. /C/ sketch.

FYI, after machining the part was inspected by Nital Etch and by Magnetic Particle. No overheat damages neither cracks were found.

TAP M&E does not plan to restore the blended areas to design dimensions.

TAP M&E plans shot peen the machined/blended areas, manufacture/install oversize repair bushing for dia [6A] and complete the repair/refinish per ref. /B/ manual.

Ref. /A/ part will be identified as P/N 161A1192-13 per SB 737-32-1448.

Desired Action

=====

- 1) Please, inform if ref. /A/ part is structurally satisfactory to return to normal service with the proposed repair plan.
- 2) If it is not, please, inform reason and provide repair instructions.
- 3) TAP M&E considers this repair to be a minor repair. If there is any type of safe life restriction, cycle restriction, or weight restriction it will be considered major and an 8100-9 form will be requested. If Boeing believes that this is a major repair, please provide an 8100-9 form.

Best regards,

Alexandre Amaro Feijo
Landing Gear Shop Engineer
Landing Gear Engineering Division
TAP Maintenance and Engineering Brazil

RESPONSE:

The subject part described in the Reference /D/ message is structurally acceptable for continued service.

Complete repairs per CMM 32-00-05 and CMM 32-11-09,

SB 737-32-1448 requirements along with the following.

- Chrome plate OD per SOPM 20-42-03 except the blends round cross bolt holes.

Do not plate in area from hole edges to 0.15 in. away from hole.

Observe all chrome plate runouts.

- Grind to design dimensions per SOPM 20-10-04. Maximum chrome thickness after grinding 0.015 inches.

- Cadmium-Titanium plate per CMM 32-11-09 Flagnote 2 (F-15.01) and SOPM 20-42-02 unrestored blends/runout.

- Apply two coats of primer per CMM 32-11-09 Flagnote 3 (F-19.47) to the blends/runout zones around the holes.

- Fabricate and install oversize bushings to compensate for material removed per CMM 32-11-09 requirements.

We recommend to install bushings with BMS3-38 (Cor Ban 27L) or BMS3-27 (Mastinox 6856 K) for improved corrosion protection.

New part number 161A1192-13 for 161A1192-3 per SB 737-32-1448 requirements.

If attachments are referred to, and are not present, please reply to this e-mail or contact your Boeing Field Service Representative.

Enhanced Controls Required?:Yes

Summary Notes:

Tim Turek Structures - Renton
Bharat Kapadia
Commercial Aviation Services
The Boeing Company

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ATTACHMENT 3

PARTS STATUS
MAIN LANDING GEAR - RH
B-737-800

P/N: 161A1100-40
S/N: MAL02520Y1240
WORK ORDER: 10231763

ITEM	DESCRIPTION	P/N	S/N	T.S.N.	L.L.C.	C.S.N.	L.R.C.	LAST OPERATOR	ORIGIN	WORK ORDER	T.S.O.	C.S.O.
1	OUTER CYLINDER ASSY	161A1118-26	AD1302	32780	75000	20995	54005	VRG LINHAS AEREAS	MAL02520Y1240	10231763	0	0
2	INNER CYLINDER ASSY	161A1126-1	AD1251	32780	75000	20995	54005	VRG LINHAS AEREAS	MAL02520Y1240	10231763	0	0
3	PIN - AXLE RETENSION	161A1128-2	EXC1030	0	75000	0	75000	N/A	NEW PART	UE3004	0	0
4	AXLE ASSY	161A1130-3	MAL2169	32780	75000	20995	54005	VRG LINHAS AEREAS	MAL02520Y1240	10231763	0	0
5	TORSION LINK ASSY - UPPER	161A1140-3	MK0036	32780	75000	20995	54005	VRG LINHAS AEREAS	MAL02520Y1240	10231763	0	0
6	TORSION LINK ASSY - LOWER	161A1142-3	MK0023	32780	75000	20995	54005	VRG LINHAS AEREAS	MAL02520Y1240	10231763	0	0
7	PIN - TORSION LINK UPPER	161A1146-2	EGL2737	32780	75000	20995	54005	VRG LINHAS AEREAS	MAL02520Y1240	10231763	0	0
8	PIN - TORSION LINK LOWER	161A1147-7	EGL2880	32780	75000	20995	54005	VRG LINHAS AEREAS	MAL02520Y1240	10231763	0	0
9	METERING PIN *	161A1150-1	MK0122	32780	- X -	20995	- X -	VRG LINHAS AEREAS	MAL02520Y1240	10231763	0	0
10	ORIFICE PLATE SUPPORT TUBE *	161A1152-2	MK0094	32780	- X -	20995	- X -	VRG LINHAS AEREAS	MAL02520Y1240	10231763	0	0
11	GLAND NUT - SHOCK STRUT *	161A1154-2	MBM3626	0	- X -	0	- X -	N/A	NEW PART	PD 46069313	0	0
12	SPACER TUBE SHOCK STRUT *	161A1159-1	EGL2499	32780	- X -	20995	- X -	VRG LINHAS AEREAS	MAL02520Y1240	10231763	0	0
13	ORIFICE SHOCK STRUT *	161A1161-1	EGL0888	32780	- X -	20995	- X -	VRG LINHAS AEREAS	MAL02520Y1240	10231763	0	0
14	CARRIER HALF *	161A1167-5 ASSY-4	AV0092	0	- X -	0	- X -	N/A	NEW PART	PO: 46070624	0	0
15	CARRIER HALF *	161A1167-6 ASSY-4	AV0092	0	- X -	0	- X -	N/A	NEW PART	PO: 46070624	0	0
16	BEARING CARRIER *	161A1168-1	FMI0006	40540	- X -	32167	- X -	VRG LINHAS AEREAS	MAL00135Y0066	52011323	0	0
17	RETAINER NUT *	161A1171-1	EGL2406	32780	- X -	20995	- X -	VRG LINHAS AEREAS	MAL02520Y1240	10231763	0	0
18	PIN ASSY - FORWARD TRUNNION BEARING	161A1188-3	MF64-001	32780	75000	20995	54005	VRG LINHAS AEREAS	MAL02520Y1240	10231763	0	0
19	PIN - FWD TRUNNION CROSSBOLT	161A1190-2	EGL2875	32780	75000	20995	54005	VRG LINHAS AEREAS	MAL02520Y1240	10231763	0	0
20	PIN - AFT TRUNNION, CROSSBOLT	161A1191-1	E1777	32780	75000	20995	54005	VRG LINHAS AEREAS	MAL02520Y1240	10231763	0	0
21	PIN ASSY - AFT TRUNNION BEARING	161A1192-13	E2268	33688	75000	20997	54003	VRG LINHAS AEREAS	MAL02367Y1167	11624822	0	0
22	PIN - DAMPER	161A1214-3	EGL1806	32780	75000	20995	54005	VRG LINHAS AEREAS	MAL02520Y1240	10231763	0	0
23	NUT - DAMPER	161A1215-1-1/16"UDS	EGL1806	0	75000	0	75000	N/A	NEW PART	10231763	0	0

**PARTS STATUS
MAIN LANDING GEAR - RH
B-737-800**

P/N: 161A1100-40
S/N: MAL02520Y1240
WORK ORDER: 10231763

ITEM	DESCRIPTION	P/N	S/N	T.S.N.	L.L.C.	C.S.N.	L.R.C.	LAST OPERATOR	ORIGIN	WORK ORDER	T.S.O.	C.S.O.
24	SIDE STRUT ASSY - UPPER	161A2101-1	FS4057	32780	75000	20995	54005	VRG LINHAS AEREAS	MAL02520Y1240	10231763	0	0
25	SIDE STRUT ASSY - LOWER	161A2103-7	FS2969	32780	75000	20995	54005	VRG LINHAS AEREAS	MAL02520Y1240	10231763	0	0
26	LINK ASSY - DOWNLOCK LOWER	161A2105-3	BFP2458	32780	75000	20995	54005	VRG LINHAS AEREAS	MAL02520Y1240	10231763	0	0
27	LOCK LINK ASSY - UPPER AFT	161A2107-1	MK0585	32780	75000	20995	54005	VRG LINHAS AEREAS	MAL02520Y1240	10231763	0	0
28	LOCK LINK ASSY - UPPER FWD	161A2107-2	MK0551	32780	75000	20995	54005	VRG LINHAS AEREAS	MAL02520Y1240	10231763	0	0
29	PIN - APEX, SIDE STRUT ASSY	161A2111-9	ACR7176	0	75000	0	75000	N/A	NEW PART	TW1132	0	0
30	PIN - ASSY - DOWNLOCK LOWER	161A2112-1	CH2658	32780	75000	20995	54005	VRG LINHAS AEREAS	MAL02520Y1240	10231763	0	0
31	PIN - SIDE STRUT TO REACTION LINK	161A2122-1	EGL0045	32780	75000	20995	54005	VRG LINHAS AEREAS	MAL02520Y1240	10231763	0	0
32	PIN - DOWNLOCK TO REACTION LINK	161A2123-1	CH2937	32780	75000	20995	54005	VRG LINHAS AEREAS	MAL02520Y1240	10231763	0	0
33	PIN - APEX DOWNLOCK	161A2124-1	CH2431	32780	75000	20995	54005	VRG LINHAS AEREAS	MAL02520Y1240	10231763	0	0
34	PIN - DOWNLOCK ACTUATOR	161A2318-1	CH2691	32780	75000	20995	54005	VRG LINHAS AEREAS	MAL02520Y1240	10231763	0	0
35	PIN - SPRING ASSY OUTBD DOWNLOCK	161A2325-1	EGL3056	32780	75000	20995	54005	VRG LINHAS AEREAS	MAL02520Y1240	10231763	0	0
36	PIN - SIDE OF BODY JOINT MAIN LANDING GEAR	161A2330-2	65780-0112	32780	75000	20995	54005	VRG LINHAS AEREAS	MAL02520Y1240	10231763	0	0
37	PIN - SIDE STRUT OUTER CYLINDER	161A2331-1	5Z832-0174	32780	75000	20995	54005	VRG LINHAS AEREAS	MAL02520Y1240	10231763	0	0
38	PIN - REACTION LINK TO TRUNNION	161A2332-1	V2469	32780	75000	20995	54005	VRG LINHAS AEREAS	MAL02520Y1240	10231763	0	0
39	REACTION LINK ASSY	161A4100-1	WGBV6651	32780	75000	20995	54005	VRG LINHAS AEREAS	MAL02520Y1240	10231763	0	0
40	HANGER LINK ASSY	161A4300-1	BA1458	32780	75000	20995	54005	VRG LINHAS AEREAS	MAL02520Y1240	10231763	0	0
41	PIN - HANGER LINK TO REACTION LINK	161A4302-1	CH2677	32780	75000	20995	54005	VRG LINHAS AEREAS	MAL02520Y1240	10231763	0	0
42	WALKING BEAM ASSY - RETRACTION	161A7111-1	86985-1022	32780	75000	20995	54005	VRG LINHAS AEREAS	MAL02520Y1240	10231763	0	0
43	LINK ASSY - RETRACTION	161A7114-1	2618	32780	75000	20995	54005	VRG LINHAS AEREAS	MAL02520Y1240	10231763	0	0
44	PIN - WALKING BEAM ASSY	161A7118-1	5Z832-0161	32780	75000	20995	54005	VRG LINHAS AEREAS	MAL02520Y1240	10231763	0	0
45	PIN - ATTACHMENT LINK ASSY	161A7301-1	V0170	32780	75000	20995	54005	VRG LINHAS AEREAS	MAL02520Y1240	10231763	0	0
46	PIN - ATTACHMENT LINK ASSY	161A7302-1	E2658	32780	75000	20995	54005	VRG LINHAS AEREAS	MAL02520Y1240	10231763	0	0

PARTS STATUS
MAIN LANDING GEAR - RH
B-737-800

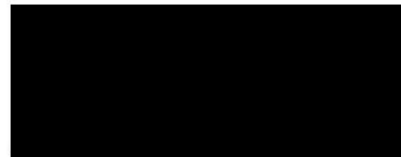
P/N: 161A1100-40
S/N: MAL02520Y1240
WORK ORDER: 10231763

ITEM	DESCRIPTION	P/N	S/N	T.S.N.	L.L.C.	C.S.N.	L.R.C.	LAST OPERATOR	ORIGIN	WORK ORDER	T.S.O.	C.S.O.
47	PIN - ATTACHMENT WALKING BEAM	161A7305-1	E2674	32780	75000	20995	54005	VRG LINHAS AEREAS	MAL02520Y1240	10231763	0	0
48	FUSE PIN FWD TRUNNION SUPPORT	115A5260-1	SI16441	0	75000	0	75000	N/A	NEW PART	PO#: SJ0DEBTFS	0	0
49	FUSE PIN FWD TRUNNION SUPPORT	115A5260-1	SI16456	0	75000	0	75000	N/A	NEW PART	PO#: SJ0DEBTFS	0	0
50	HOUSING ASSY	115A5240-1	D970894-234273	32780	75000	20995	54005	VRG LINHAS AEREAS	MAL02520Y1240	10231763	0	0

TO THE BEST OF MY KNOWLEDGE THE DATA CONTAINED IN THIS REPORT ARE TRUE AND ACCURATE.

* NO LIFE LIMITED PARTS PER 737-SL-32-105.

T.S.N.= TIME SINCE NEW
L.L.C.= LIFE LIMIT CYCLES
C.S.N.= CYCLES SINCE NEW
L.R.C.= LIFE REMAINING CYCLES
C.S.O.= CYCLES SINCE OVERHAUL

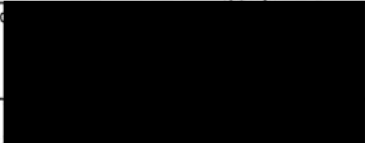


Carlos R. de Jesus - Registry: 56213-3
Landing Gear Shop Supervisor
TAP M&E Brazil

Date: MAR, 16, 2012



ATTACHMENT 4

1. Approving National Aviation Authority/Country FAA / United States		2. AUTHORIZED RELEASE CERTIFICATE FAA FORM 8130-3 - AIRWORTHINESS APPROVAL TAG				3. Form Tracking No. 301838110	
4. Organization Name and Address  ☒ Rua Augusto Severo, 851 Porto Alegre - RS - Brasil Repair Station Cert. # VAR2761I		☐ Estrada das Canárias, 1862 Rio de Janeiro - RJ - Brasil Repair Station Cert. # VARY761I				5. Work Order, Contract or Invoice No. 10231763	
6. Item	7. Description	8. Part Number	9. Eligibility (*)	10. Qty.	11. Serial/Batch No.	12. Status/Work	
1	MAIN LANDING GEAR ASSY - RH	161A1100-40	N / A	1	MAL02520Y1240	OVERHAUL	
13. Remarks OVERHAULLED ACCORDING TO BOEING CMM 32-11-12 REVISION 32, CMM 32-11-16 REVISION 22, CMM 32-11-09 REVISION 18, CMM 32-32-27 REVISION 13, CMM 32-11-13 REVISION 26, CMM 32-32-34 REVISION 21 AND CMM 57-15-01 REVISION 24. NOTE 1: THE OVERHAUL MLG ASSY INCLUDES SIDE STRUT ASSY, UPLOCK ASSY, HARNESS INSTL, HYDRAULIC INSTL, MLG DOWNLOCK ACTUATOR, BEARING ASSY AND MINOR COMPONENTS. NOTE 2: THE SHIMMY DAMPER AND MLG RETRACT ACTUATOR WERE NOT INSTALLED ON THIS MLG. T.S.O.: 0H C.S.O.: 0C T.S.N.: 32780H C.S.N.: 20995C (INFORMATIONS SUPPLIED BY VRG LINHAS AÉREAS). SEE RECORD OF WORK ACCOMPLISHED Nº 301838110 AND FINAL CONDITION REPORT Nº 11/12 FOR DETAILS.							
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 the work specified in block 13 (or attached) above was carried out in accordance with FAA airworthiness regulations and, in respect to the work performed, the part(s) is (are) approved for return to service.				
15. Authorized Signature		16. Approval / Authorization No.		20. Authorized 		21. Approval / Certificate No. VAR2761I	
17. Name		18. Date		22. Name CARLOS R. DE JESUS 56213-3		23. Date MAR/16/2012	

FAA Form 8130-3 (6-01)

* Installer must cross check eligibility with applicable technical data.

USER/INSTALLER RESPONSIBILITIES

1. It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly.
2. Where the user/installer 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.
3. 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.

1. Approving National Aviation Authority/Country FAA / United States		2. AUTHORIZED RELEASE CERTIFICATE FAA FORM 8130-3 - AIRWORTHINESS APPROVAL TAG				3. Form Tracking No. 301838110-14403	
4. Organization Name And Address  MAINTENANCE & ENGINEERING		☒ Rua Augusto Severo, 851 Porto Alegre – RS – Brasil Repair Station Cert. # VAR2761I ☐ Estrada das Canárias, 1862 Rio de Janeiro – RJ – Brasil Repair Station Cert. # VARY761I				5. Work Order, Contract or Invoice No. 10231763	
6. Item	7. Description	8. Part Number	9. Eligibility (*)	10. Qty.	11. Serial/Batch No.	12. Status/Work	
1	OUTER CYLINDER ASSY	161A1118-26	N / A	1	AD1302	OVERHAUL	
13. Remarks OVERHAULED ACCORDING TO BOEING CMM 32-11-12 REVISION 32. T.S.O.: 0H C.S.O.: 0C T.S.N.: 32780H C.S.N.: 20995C (INFORMATIONS SUPPLIED BY VRG LINHAS AEREAS). NOTE: THIS OUTER CYLINDER ASSY REQUIRES A SPECIAL GLAND NUT P/N 161A1154-2 S/N MBM3626. THE SPECIAL GLAND NUT AND OUTER CYLINDER ASSY ARE MATCH SET.							
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 the work specified in block 13 (or attached) above was carried out in accordance with FAA airworthiness regulations and, in respect to the work performed, the part(s) is (are) approved for return to service.				
15. Authorized Signature		16. Approval / Authorization No.	20. Authorized Signature		21. Approval / Certificate No. VAR2761I		
17. Name		18. Date	22. Name CARLOS R. DE JESUS 56213-3		23. Date MAR/16/2012		

FAA Form 8130-3 (6-01)

* Installer must cross check eligibility with applicable technical data.

USER/INSTALLER RESPONSIBILITIES

1. It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly.
2. Where the user/installer 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.
3. 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.

ATTACHMENT 5

1. País Country BRASIL		2. 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) SEGVÃO 003				3. Certificado N° Certificate No./System Tracking Ref. TAP – 301838110	
4. Empresa Organization TAP MAINTENANCE & ENGINEERING		☐ Aerop. Int. Rio de Janeiro Rio de Janeiro – RJ		☒ Aerop. Int. Salgado Filho Porto Alegre – RS		5. Ordem Compra/Contrato/Nota Work Order/Contract/Invoice 10231763	
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	
1	MAIN LANDING GEAR ASSY - RH	161A1100-40	A SER VERIFICADO PELO INSTALADOR	1	MAL02520Y1240	REVISÃO	
13. Observações Remarks REVISADO DE ACORDO COM BOEING CMM 32-11-12 REVISÃO 32, CMM 32-11-16 REVISÃO 22, CMM 32-11-09 REVISÃO 18, CMM 32-32-27 REVISÃO 13, CMM 32-11-13 REVISÃO 26, CMM 32-32-34 REVISÃO 21 E CMM 57-15-01 REVISÃO 24. NOTA 1: A REVISÃO DO MLG ASSY INCLUI SIDE STRUT ASSY, UPLOCK ASSY, HARNESS INSTL, HYDRAULIC INSTL, MLG DOWNLOCK ACTUATOR, BEARING ASSY E MINOR COMPONENTS. NOTA 2: A SHIMMY DAMPER E O MLG RETRACT ACTUATOR NÃO FORAM INSTALADOS NESTE MLG. T.S.O.: 0 C.S.O.: 0C T.S.N.: 32780H C.S.N.: 20995C (INFORMAÇÕES FORNECIDAS PELA VRG LINHAS AÉREAS). VEJA REGISTRO DE SERVIÇOS EXECUTADOS N° 301838110 E FINAL CONDITION REPORT N° 11/12 PARA DETALHES.							
Partes com vida limitada devem ser acompanhadas de histórico de manutenção incluindo tempo total/ciclo total/tempo desde novo. (Limited life parts must be accompanied by maintenance history including total time/total cycles/time since new)							
14. Certifica que o(s) item(ns) acima identificado(s) foi(foram) fabricado(s) em conformidade aos: Certifies that the article(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 13. non-approved design data specified in block 13			19. ☒ Retorno ao serviço de acordo com RBHA 43.9 Return to service in accordance with RBHA 43.9 ☐ Outros regulamentos especificados no bloco 13 Other regulations specified in block 13 Certifica que, a menos que especificado no bloco 13, o trabalho especificado no bloco 12 e descrito no bloco 13 foi executado de acordo com o Regulamento Brasileiro de Homologação Aeronáutica – RBHA 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 13, the work specified 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.				
15. Assinatura do Representante da ANAC ANAC Representative Signature		16. No. Autorização da ANAC ANAC Authorization Number		20. Pessoa Autorizada Authorized		21. No. CHE/CHETA Certificate Number	
				[Redacted Signature]		0112-01/ANAC	
17. Nome Name		18. Data Date		22. Nome Name		23. Data Date	
				CARLOS R. DE JESUS 56213-3		16/MAR/2012	

* 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 deste 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 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. Were the user/installer work is performed in accordance with the national regulation of NA 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 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 os regulamentos nacionais pelo usuário/instalador antes que a aeronave possa ser liberada para voo. 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.	
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VRG Linhas Aéreas S/A – Grupo GOL
SAOMP – Technical Maintenance Planning
Pça Comandante Linneu Gomes, S/Nº
Portaria 03 – Prédio 11
CEP: 04626-020 – Brasil
Aeroporto de Congonhas – São Paulo
Telefone: +55 (11) 21284404
Fax: +55 (11) 5098-2052

PA-00005/14-MP/SAOMP

Miami, January 29th, 2014

TO WHOM IT MAY CONCERN

Non-Accident and Non-Incident Statement

Aircraft Model: **B737-800**
Aircraft Registration: **PR-VBC (N649AC)**
Aircraft Line Number: **0307**
Aircraft Serial Number: **29918**
Aircraft Total Time: **46'906**
Aircraft Total Cycle: **30'323**

Engine Model: **CFM56-7B24**
Position #1 Eng S/N: **890342** – TT: **36'326** TC: **24'822**
Position #2 Eng S/N: **891289** – TT: **36'795** TC: **23'069**

APU: Allied Signal Model **131**
APU P/N: **3800702-1** S/N: **P-5833** – TT: **28'472** TC: **34'283**

Landing Gears
Nose Landing Gear P/N: **162A1100-8** S/N: **MAL00379Y1240** TT: **36'202** TC: **24'995**
LH Main Landing Gear P/N: **161A1100-39** S/N: **MAL02519Y1240** TT: **36'228** TC: **23'902**
RH Main Landing Gear P/N: **161A1100-40** S/N: **MAL02520Y1240** TT: **36'228** TC: **23'902**

This letter confirms that during the period of operation by **VRG Linhas Aéreas S/A – Grupo GOL**, the above described Aircraft; Engines, APU and Landing Gear to the best of our knowledge, either when installed on the aforementioned aircraft or any other aircraft from **VRG Linhas Aéreas S/A – Grupo GOL** fleet have not been involved in any accidents or reportable incidents and were not subjected to any extreme heat or stress, were not immersed in salt water, were not exposed to any corrosive agents or operated by any government or military entity.

The letter further confirms that the above engines have been maintained under an approved maintenance program, and that all installed components and parts are OEM components, FAA 8130-1 and/or EASA 1 (or equivalent) certified and, that there are no PMA parts fitted to these engines or their accessories other than those found in the manufacturer's illustrated parts catalogue.

This statement is certified by undersigned that the information is correct, accurate and agreed upon for safe and accurate records keeping purposes.


Hector Gustavo P. Varela
Employee - 9696
Maintenance Technical Planning
VRG- Linhas Aéreas S/A

Hector G. P. Varela
Maintenance Planning - CTM
CIF/SETOR 9696/SAOMP
VRG Linhas Aéreas S/A

SAOMP-Maintenance Planning / Aircraft Delivery and Redelivery – Technical


Linhas aéreas inteligentes



SunExpress

Date: 21/01/2020

Incident / Accident Clearance Statement

To Whom It May Concern;

Aircraft TC-SBM, details of which are specified below, has been operated by SunExpress during the period from 24 Feb 2014 to date of this statement. The aircraft has a valid Certificate of Airworthiness from Turkish Civil Aviation Authority as of the date of this statement.

Configuration details as of date of this statement;

Description	Type/ Part No.	Serial No	TSN (as of date 24.02.2014)	CSN (as of date 24.02.2014)	TSN (as of date 21/01/2020)	CSN (as of date 21/01/2020)
Airframe	B737-8AS	29918	46909:04	30324	62372:33	43970
Engine #1	CFM56-7B26	890342	36328:23	24823	49723:29	36445
Engine #2	CFM56-7B26	891289	36797:23	23070	51639:33	36111
APU	3800702-1	P-5833	28485:00	34302	37356:40	49766
NLG	162A1100-8	MAL00379Y1240	36205:23	24996	51336:04	38349
LH MLG	161A1100-39	MAL02519Y1240	36231:23	23903	51697:32	37550
RH MLG	161A1100-40	MAL02520Y1240	36231:23	23903	51697:32	37550

SunExpress hereby certify that, to the best of knowledge during the period stated above:

1. The subject aircraft, APU, and Landing Gears have not been;
 - a. Damaged during, or identified as root cause of, a reportable incident or accident as defined by Annex 13 to the Chicago Convention, or
 - b. Subjected to severe stress or heat (such as in a major engine failure, accident or fire) or has been in salt water, during SunExpress operations.
2. No part has been installed on the aircraft which was obtained from a military source or was previously fitted to a state aircraft as deemed by Article 3 of the Chicago Convention.
3. The aircraft has not been used for any Government and Military purpose during SunExpress operation.

Erkan YARDIBI
Maintenance Planning
Engineering Manager

Sedat YILMAZ
Assistant Safety
Manager

Gültekin BODUR
Compliance
Standardization Senior
Manager

SunExpress
Güneş Ekspres Havaolu A.Ş.
Piyade Kış Sok. No: 34
P.K. 01100 Muğla / Türkiye

SunExpress İstanbul
Sabiha Gökçen Havaolu A.Ş.
Aval 2. Kat, 100. Kat
34199 Beşiktaş / İstanbul

SunExpress İzmir
Etiler Mah. Akis
Cad. No: 2/3
35410 Çiğdem / İzmir

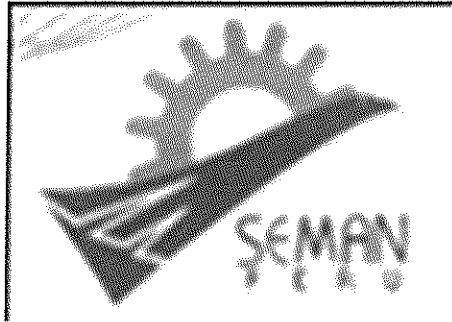
SunExpress Frankfurt
Hahn-Flughafen
Strasse 100-10
65926 Frankfurt / Germany

SunExpress Deutschland GmbH
De-Suhl-Freestraße 10
98529 Suhl / Germany
sunexpress.com

Aerospace Rotables, Inc. 5151 N.W. 109 Ave SUNRISE, FL 33351 USA Ph: 954-452-0056, Fax: 954-452-2056										Repair Order Order #: 11118 Date Printed: 9/24/2020 Time: 2:18:57 PM # of Items: 1 Page: 1			
Ordered From: FUERZA AEREA DEL PERU SERVICIO DE MANTENIMIENTO SEMAN-FAA REPAIR STATION # SPUY238K AVE. EDMUNDO AGUILAR PASTOR S/N SURCO LIMA PERU							Ship To: AEROSPACE ROTABLES 5151 N.W. 109 AVE SUNRISE, FL 33351 USA						
Prepared By: MARIBEL CASTRO Ship Date: 9/16/2020 Insure?: Ship Via: Ship Via Acc: ERIC			RO Date: 9/16/2020 Fax #: Terms: NET 30 Warranty: No			Phone #: 011 511 6528854 FOB: RO FOB Vendor #: S35 Resale: NO Resale #:							
<i>All items subject to our inspection and acceptance</i>													
Item	Part Number/Description	CD	To Rep	Res	Rep	Scrap	Scr Rem	UOM	Parts	Labor	Misc	Line Amt	
1	161A1100-40 RH MLG MAIN LANDING GEAR ASSY SN: MAL02520Y1240 Inspect and Recertify per the latest CMM Revision	AR	1	0	0	0	0	EA	\$0.00	\$0.00	\$0.00	\$0.00	
									Parts Total:		\$0.00		
									Labor Total:		\$0.00		
									Misc Total:		\$0.00		
									Total:		\$0.00		
Authorized Signature:													

Form created with Quantum Control(tm) technology. Product Licensed to: Aerospace Rotables, Inc.

B737-800 NG
R/H MAIN LANDING GEAR
W/O 2120-0078-2020
P/N: 161A1100-40
S/N: MAL02520Y1240
SUN COUNTRY
(CONTINUED TIME)



B737-800

R/H MLG

PART NUMBER: 161A1100-40

S/N: MAL02520Y1240

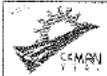
W/O: 2120-0078-2020

CONTINUED TIME

TABLE OF CONTENTS

- FAA FORM 8130
- LIFE LIMITED PARTS
- SERVICE BULLETINS & AIRWORTHINESS DIRECTIVES
 - BOEING SUBMITTALS
- OUTSIDE SERVICES & MATERIAL CERTS
 - TRACE DOCUMENTATION

1. Approving Civil Aviation Authority/ Country: FAA/United States		2. AUTHORIZED RELEASE CERTIFICATE FAA FORM 8130-3, AIRWORTHINESS APPROVAL TAG				3. Form tracking number: SMN-20202124	
4. Organization name and Address:  SEMAM AVE. EDMUNDO AGUILAR S/N SURCO-LIMA/PERU						5. Work Order/ Contract/Invoice Number: W/O 2120-0078-2020 DET/W.O.0078-253801	
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number	11. Status / Work		
1.-	R/H MLG GEAR INSTALLATION	161A0001-6	ONE	MAL02520Y1240	REPAIRED		
12. Remarks CONTINUED TIME : APPROVAL FOR RETURN TO SERVICE. VISUAL INSPECTED & REPAIRED IAW B737 CMM 32-11-09 REV. 37, 32-11-12 REV. 57, 32-11-13 REV.49, 32-11-16 REV. 46, 32-11-17 REV. 43, 32-32-34 REV. 41, 57-15-01 REV. 46 AND 32-32-27 REV. 28. SHOCK STRUT TESTED AND FAULT ISOLATION, LUBE,CLEAN AND TOUCH UP PAINT. THE R/H MLG WAS OVERHAULED BY TAP MAINTENANCE & ENGINEERING (MAR. 2012). ATTACHED IS A STATEMENT OF WORK # 0078-253801, LLP LIST AND SB'S & AD'S STATUS, LAST OPERATOR : SUN EXPRESS. CSO: 16,555 CYCLES. CSN : 37,550 CYCLES.							
13 a. Certifies the Items identified above were manufactured in conformity to: ☐ Approved design data and are in a condition for safe operation ☐ Non- approved design data specified in block 12				14a. ☒ 14 CFR 43.9 return to service ☐ Other regulation specified in block 12 Certifies that unless otherwise specifies 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.			
13 b. Authorized Signature: --- BLANK---		13 c. Approval/authorization No.: --- BLANK---		14c. Approval/ Certificate No.: SPUY238K			
13 d. Name(typed or printed): --- BLANK---		13 e. Date (dd/mmm/yyyy) --- BLANK---		14d. Name(typed or printed): EDUARDO TORRES		14e. Date (dd/mm/yyyy) 19, OCT. 2020	
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 engine(s) /propeller(s)/article(s) from the airworthiness authority of the country specified in block 1. Statements in blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user / installer before the aircraft may be flown.							

1. Approving Civil Aviation Authority/ Country: FAA/United States		2. AUTHORIZED RELEASE CERTIFICATE FAA FORM 8130-3, AIRWORTHINESS APPROVAL TAG				3. Form tracking number: SMN-20202125	
4. Organization name and Address:  SEMAM AVE. EDMUNDO AGUILAR S/N SURCO-LIMA/PERU						5. Work Order/ Contract/Invoice Number: W/O 2120-0078-2020 DET/W.O.0078-253801	
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number	11. Status/ Work		
1.-	R/H MLG COMPONENT INST'L	161A1100-40	ONE	MAL02520Y1240	REPAIRED		
12. Remarks CONTINUED TIME : APPROVAL FOR RETURN TO SERVICE. VISUAL INSPECTED & REPAIRED IAW B737 CMM 32-11-16 REV. 46. THE R/H MLG WAS OVERHAULED BY TAP MAINTENANCE & ENGINEERING. (MAR. 2012). LAST OPERATOR : SUN EXPRESS. CSO: 16,555 CYCLES. CSN : 37,550 CYCLES.							
13 a. Certifies the Items identified above were manufactured in conformity to: ☐ Approved design data and are in a condition for safe operation ☐ Non- approved design data specified in block 12				14a. ☒ 14 CFR 43.9 return to service ☐ Other regulation specified in block 12 Certifies that unless otherwise specifies 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			
13 b. Authorized Signature: --- BLANK---		13 c. Approval/authorization No.: --- BLANK---		14c. Approval/ Certificate No.: SPUY238K			
13 d. Name(typed or printed): --- BLANK---		13 e. Date (dd/mm/yyyy) --- BLANK---		14d. Name(typed or printed): EDUARDO TORRES		14e. Date (dd/mm/yyyy) 19, OCT. 2020	
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 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.							



SLG - HISTORICAL LIFE LIMITED COMPONENTS

P/N: 161A1100-40
S/N: MAL02520Y1240
A/C:

NAME: MAIN LANDING GEAR
POSITION: RIGHT
CUSTOMER: SUN COUNTRY

MODEL: B737-800 NG
MTGW:

Item No.	Part Number	Part Description	Serial Number	CSN	CSO	Life Limit Cycles	Previous Operator	Work Order	Remarks
1	161A1100-40	MLG COMPONENT INST'L	MAL02520Y1240	37,550	16,555	75,000	SUNEXPRESS	2120-0078-2020	CONTINUED TIME
1.1	161A1191-1	Pin, Aft Trunnion, Crossbolt	90827-0011	43,679	5,524	75,000	GOL LINHAS AEREAS	2120-0078-2020	OVERHAULED BY TAP MAINTENANCE AND ENGINEERING (OCT. 2013)
1.2	161A1192-4	Pin Assembly-Aft Trunnion Bearing	E2268	37,552	16,555	75,000	SUNEXPRESS	2120-0078-2020	
2.1.1	161A1118-12	Outer Cylinder Assembly	AD1302	37,550	16,555	75,000	SUNEXPRESS	2120-0078-2020	P/N 161A1118- 26 (ASSY) POST SB 32-1448
2.1.2.1	161A1126-2	Inner Cylinder Assembly	AD1251	37,550	16,555	75,000	SUNEXPRESS	2120-0078-2020	
2.1.2.2	161A1130-4	Axle Assembly	MAL2169	37,550	16,555	75,000	SUNEXPRESS	2120-0078-2020	
2.1.2.3	161A1128-2	Pin, Axle Retension	EXC1030	16,555	16,555	75,000	SUNEXPRESS	2120-0078-2020	
2.2	161A1140-4	Torsion Link Assembly-Upper	MK0036	37,550	16,555	75,000	SUNEXPRESS	2120-0078-2020	
2.2.1.1	161A1214-3	Pin-Damper Torsion Link Apex	EGL1806	37,550	16,555	75,000	SUNEXPRESS	2120-0078-2020	
2.2.4.1	161A1215-1	Nut-Damper Torsion Link Apex	EGL1806	16,555	16,555	75,000	SUNEXPRESS	2120-0078-2020	
2.3	161A1142-4	Torsion Link Assembly-Lower	MK0023	37,550	16,555	75,000	SUNEXPRESS	2120-0078-2020	
2.4	161A1146-2	Pin-Upper Torsion Link	EGL2737	37,550	16,555	75,000	SUNEXPRESS	2120-0078-2020	
2.5	161A1147-8	Pin-Lower Torsion Link	EGL2880	37,550	16,555	75,000	SUNEXPRESS	2120-0078-2020	
2.6	161A1190-2	Pin-Fwd Trunnion Crossbolt	EGL2875	37,550	16,555	75,000	SUNEXPRESS	2120-0078-2020	
3.2	161A1188-4	Pin Assembly-Fwd Trunnion Bearing	MF64-001	37,550	0	75,000	SUNEXPRESS	2120-0078-2020	OVERHAULED
5.1	161A2330-2	Pin-Side of Body Joint	65780-0112	37,550	16,555	75,000	SUNEXPRESS	2120-0078-2020	
6.1	161A2101-2	Side Strut Assembly-Upper	FS4057	37,550	16,555	75,000	SUNEXPRESS	2120-0078-2020	
6.2	161A2103-8	Lower Side Strut Assembly	FS2969	37,550	16,555	75,000	SUNEXPRESS	2120-0078-2020	
6.3	161A2111-9	Pin-Side Strut Apex	ACR7176	16,555	16,555	75,000	SUNEXPRESS	2120-0078-2020	

SMN FORM 241

Page 1 of 3



OCT 19 2020

REV. 0
10/DIC/2010



SLG - HISTORICAL LIFE LIMITED COMPONENTS

P/N: 161A1100-40
S/N: MAL02520Y1240
A/C:

NAME: MAIN LANDING GEAR
POSITION: RIGHT
CUSTOMER: SUN COUNTRY

MODEL: B737-800 NG
MTGW:

Item No.	Part Number	Part Description	Serial Number	CSN	CSO	Life Limit Cycles	Previous Operator	Work Order	Remarks
6.4	161A2105-4	Link Assembly-Downlock, Lower	BPP2458	37,550	16,555	75,000	SUNEXPRESS	2120-0078-2020	
6.5	161A2107-4	Lock Link Assembly-Upper, Aft	MK0551	37,550	16,555	75,000	SUNEXPRESS	2120-0078-2020	
6.5	161A2107-3	Lock Link Assembly-Upper, Fwd	MK0585	37,550	16,555	75,000	SUNEXPRESS	2120-0078-2020	
6.7	161A2112-2	Pin Assembly-Downlock, Lower	CH2658	37,550	16,555	75,000	SUNEXPRESS	2120-0078-2020	
	161A2122-1	Pin-Side Strut to Reaction Link	EGL0045	37,550	16,555	75,000	SUNEXPRESS	2120-0078-2020	
	161A2123-1	Pin-Downlock to Reaction Link	CH2937	37,550	16,555	75,000	SUNEXPRESS	2120-0078-2020	
	161A2124-1	Pin-Apex, Downlock	CH2431	37,550	16,555	75,000	SUNEXPRESS	2120-0078-2020	
	161A2318-1	Pin-Downlock Actuator	CH2691	37,550	16,555	75,000	SUNEXPRESS	2120-0078-2020	
	161A2325-1	Pin-Spring Assembly, Outboard Downlock	EGL3056	37,550	16,555	75,000	SUNEXPRESS	2120-0078-2020	
	161A2331-1	Pin-Side Strut, Outer Cylinder	5Z832-0174	37,550	16,555	75,000	SUNEXPRESS	2120-0078-2020	
5.2	161A2332-1	Pin-Reaction Link to Trunnion	V2469	37,550	16,555	75,000	SUNEXPRESS	2120-0078-2020	
	161A4100-2	Reaction Link Assembly	WGBV6651	37,550	16,555	75,000	SUNEXPRESS	2120-0078-2020	
	161A4300-2	Hanger Link Assembly	BA1458	37,550	16,555	75,000	SUNEXPRESS	2120-0078-2020	
	161A4302-1	Pin-Hanger Link to Reaction Link	CH2677	37,550	16,555	75,000	SUNEXPRESS	2120-0078-2020	
	161A7111-2	Beam Assembly	86985-1022	37,550	16,555	75,000	SUNEXPRESS	2120-0078-2020	
	161A7114-2	Link Assembly, Retraction	2618	37,550	16,555	75,000	SUNEXPRESS	2120-0078-2020	
	161A7118-1	Pin, Walking Beam	5Z832-0161	37,550	16,555	75,000	SUNEXPRESS	2120-0078-2020	
	161A7301-1	Pin, Attachment, Link Assembly	V0170	37,550	16,555	75,000	SUNEXPRESS	2120-0078-2020	
	161A7302-1	Pin, Attachment, Retraction Actuator	E2658	37,550	16,555	75,000	SUNEXPRESS	2120-0078-2020	



OCT 19 2020



SLG - HISTORICAL LIFE LIMITED COMPONENTS

P/N: 161A1100-40
S/N: MAL02520Y1240
A/C:

NAME: MAIN LANDING GEAR
POSITION: RIGHT
CUSTOMER: SUN COUNTRY

MODEL: B737-800 NG
MTGW:

Item No.	Part Number	Part Description	Serial Number	CSN	CSO	Life Limit Cycles	Previous Operator	Work Order	Remarks
	161A7305-1	Pin, Attachment, Walking Beam	E2674	37,550	16,555	75,000	SUNEXPRESS	2120-0078-2020	
	115A5260-1	Fuse Pin, Fwd Trunnion Lwr	SI13490	13,653	13,653	75,000	SUNEXPRESS	2120-0078-2020	
	115A5260-1	Fuse Pin, Fwd Trunnion Upr	SI13551	13,653	13,653	75,000	SUNEXPRESS	2120-0078-2020	
	115A5240-3	Housing Assembly, FWD Trunnion Bearing	D970894-234273	43,892	16,555	75,000	SUNEXPRESS	2120-0078-2020	



QUALITY CONTROL

OCT 19 2020

DATE

SLG - Master Service Bulletin And AD's List

Part Number: 161A1100-40
 Serial Number: MAL02520Y1240
 Model: B737-800 NG
 Position: RIGHT

Customer: SUN COUNTRY
 Work Order: 2120-0078-2020
 MTGW:
 A/C:

CONTINUED TIME

SB/SL	AD NOTE	Modification Subject	Previously Embodied	Embodied at Overhaul	Remarks
737-32-1376 R2	2009-26-04	Landing Gear-Main Lnding Gear-Forward Trunnion Pin Inspection and Replacement		CW	OVERHAULED IN THIS RECERTIFICATION
737-32-1368 R1		Landing Gear-Left and Right Main Landing Gear Shimmy Damper Assembly Repairs and Seals Replacement	PCW		P/N 273A3610-5 INST'D
737-32-1312 R3		Landing Gear-Main Landing Gear Shimmy Damper Addition	PCW		SHIMMY DAMPER INST'D
737-32-1299		Landing Gear-Main Gear Electrical Harness-Swivel Connectors Replacement	PCW		
737-32-1311		Landing Gear-Wheels and Brakes- Hydraulic Brake System-Lower Brake Hose Replacement and Hose Support Addition	PCW		
737-32-1393 R1		Landing Gear - Main Gear and Doors - Outer Cylinder Walking Beam Clevis Bushing and Retract Actuator Clevis Bushing Replacement	PCW		
737-32-1402 R1	2014-08-11	Landing Gear-Main landing Gear - Forward Trunnion Pin Inspection and Replacement		CW	OVERHAULED IN THIS RECERTIFICATION
737-32-1369 R4		Landing Gear - Main Landing Gear Extension and Retraction-Retract Actuator Cylinder Assembly Modification or Replacement		CW	P/N 273A2161-6 RET. ACT. INST'D
737-SL-32-125		MLG Outer Cylinder Retract Actuator and Walking Beam Attach Lug Bushing Migration and Fillet Seal Cracks	PCW		
737-SL-32-135 B		Shimmy Damper Mounting Bolts - Grip Length	PCW		
737-SL-32-130 A		Main Landing Gear Uplock Pins May Not Have Been Properly Prepared Prior to Chrome Plate Application		N/A	PREVIOUS OVERHAULED
737-SL-32-105 E		Landing Gear Component Interchangeability and Safe Life Component Information	PCW		



OCT 19 2020



SLG - Master Service Bulletin And AD's List

Part Number: 161A1100-40
 Serial Number: MAL02520Y1240
 Model: B737-800 NG
 Position: RIGHT

Customer: SUN COUNTRY
 Work Order: 2120-0078-2020
 MTGW:
 A/C:

CONTINUED TIME

SB/SL	AD NOTE	Modification Subject	Previously Embodied	Embodied at Overhaul	Remarks
737-32-1486 R1	2017-04-11	Main and Nose Landing Gear - Landing Gear External Surface Insp. And Outer Cyl. Assy Trunn. Bore Insp.		NCW	P/N & S/N NOT AFFECTED. NO ACTION REQ'D
737-32-1448 R2	2019-01-03	Main Landing Gear - Forward and Aft. Trunnion Pin Assemblies Inspection and Change.	PCW		
737-SL-32-123		Main Landing Gear Uplock Spring Fractures		N/A	SPRINGS PREVIOUS INST'D
737-SL-32-116 C		Cracks Found on Main Landing Gear System Support Trays		NCW	INSPECTED / NO CRACKS FOUND
737-SL-32-100		Main Landing Gear Shimmy Damper Installation and Shimmy Inspections	PCW		SHIMMY DAMPER PREVIOUS INSTALLED
737-SL-20-041 A		Overhaul of High Strength Steel Componente-Cadmium Strip Required	PCW		PREVIOUS OVERHAULED
737-SL-32-106		Rework of MLG Side Strut Pin P/N 161A2331 Protective Epoxy Primer		CW	C/W IN THIS RECERTIFICATION
737-SL-32-108		Main Gear Torsion Link Apex Nut Found Loose		CW	C/W IN THIS RECERTIFICATION
737-SL-32-095		Proximity Sensor P/N 10-61226-29 Improvement		N/A	PREVIOUSLY INST'D
737-SL-32-085 A		MLG Flex conduit Chafing on Torsion Link Apex Nut		CW	C/W IN THIS RECERTIFICATION
737-SL-32-160		MLG Side Strut Apex Pin Finish Changes	PCW		
737-SL-20-046		Hydrogen Embrittlement of High Stength Steel Parts	PCW		PREVIOUS OVERHAULED
737-SL-32-165		737 NG Landing Gear Restoration Requirements	PCW		



Quality Control _____

OCT 19 2020
 Date _____



SLG - PROCESS ROUTING

SALES ORDER 9070-0118-2020		Customer SUNEXPRESS	Prepared By: HAI NGUYEN
Work Order No. 2 1 2 0 - 0 0 7 8 - 2 0 2 0		Aircraft 737NG MLG	Approved By: HAI NGUYEN
Detail W/O:  0 0 7 8 - 2 5 3 8 0 1		Material: VARIOUS	
Part Number: 161A1100-40	Manual No.: CHAPTER 32	OEM: BOEING	DIM. Report: ☐ Yes ☒ No
Det Number: N/A	Rev. No.: 172	TSN/CSN: 37,550	Bushing Router: ☐ Yes ☒ No
Serial Number: MAL02520Y1240	Rev. Date: JUL/01/2020	TSO/CSO: 16,555	
Description: 737NG MLG RH			

Process Router based on all possible repairs being required. Approved personnel can cancel a process step (Stamp and date required), but reason(s) must be traceable. All dimensions are in inches unless otherwise stated.

☒ Repair (Continued Time)

☐ Overhaul

☐ Modification

Step	R. Section	DESCRIPTIONS / INSTRUCTIONS	STAMP/DATE
10	WC170	RECEIVE B737NG MLG VERIFYING P/N: <u>161A1100-40</u> S/N: <u>MAL02520Y1240</u> AND DOCUMENTS - VERIFY SB & AD PREVIOUS COMPLIED WITH	 SEP/25/2020
20	WC170	INSPECT FOR CONDITION, OBVIOUS DAMAGE AND MISSING PARTS (RECORD LIST AS REQ'D)	 SEP/25/2020
30	WC10	CLEAN UP THE WHOLE COMPLETE GEAR AS REQ'D	 SEP 26 2020
40	WC10	DRAIN SHOCK STRUT FLUID IAW 32-11-12	 SEP 26 2020
50	WC10	PERFORM LLP INVENTORY IAW DOCUMENTS RECEIVED	 SEP 27 2020
60	WC10	REMOVE THE WIRE HARNESS AND PLUMBING FOR GAIN ACCESS FOR INSPECTION CLEAN, PRIME AND PAINT IAW CMM 32-11-16	 SEP 29 2020
70	WC10	REMOVE DOWN LOCK SENSORS AND OTHER COMPONENTS REQ'D FOR TO GAIN ACCESS FOR THE REMOVE LOCK LINK ASSY IAW CMM 32-11-13	 SEP 29-2020
80	WC10	REMOVE LOCK LINK ASSY IAW CMM 32-11-13	 SEP 30 2020
90	WC50	PERFORM OVERCENTER CHECK IAW 32-11-13 0-24-7	 007-02-2020

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SMN FORM 240

000295
REV. 2

03/JUL/15



SLG - PROCESS ROUTING

SALES ORDER 9070-0118-2020		Customer SUNEXPRESS	Prepared By : HAI NGUYEN
Work Order No. 2 1 2 0 - 0 0 7 8 - 2 0 2 0		Aircraft 737NG MLG	Approved By : HAI NGUYEN
Detail W/O : 0 0 7 8 - 2 5 3 8 0 1		Material : VARIOUS	
Part Number : 161A1100-40	Manual No. : CHAPTER 32	OEM: BOEING	DIM. Report : ☐ Yes ☒ No
Det Number : N/A	Rev. No.: 172	TSN/CSN: N/A 37,550 SMN 282	Bushing Router : ☐ Yes ☒ No
Serial Number : MAL02520Y1240			
Description : 737NG MLG RH			

Process Router based on all possible repairs being required. Approved personnel can cancel a process step (Stamp and date required), but reason(s) must be traceable. All dimensions are in inches unless otherwise stated..

- ☒ Repair (Continued Time)
☐ Overhaul
☐ Modification

Step	R. Section	DESCRIPTIONS / INSTRUCTIONS	STAMP/DATE
100	WC150	PRIME AND PAINT WHOLE COMPLETE GEAR AND SIDE STRUT IAW CMM 32-11-16 & 32-11-13	LG 36 OCT-14-2020
110	WC220	INSTALL LOCK LINK ASSY IAW CMM 32-11-13	LG 20 OCT-12-2020
120	WC160	INSTALL DOWN LOCK SENSORS AND OTHER COMPONENTS REMOVED IN STEP #70 IAW CMM 32-11-13	LG 26 OCT-12-2020
130	WC220	REPLACE OR INSTALL AL PARTS FOUND DAMAGED OR MISSING IAW PREVIOUS LIST FOUND	LG 46 OCT-13-2020
140	WC140	PERFORM TESTING AND FAULT ISOLATION IAW CMM 32-11-12	LG 73 OCT-14-2020
150	WC140	INSTALL THE WIRE HARNESS & PLUMBING IAW CMM 32-11-16	LG 46 OCT-15-2020
160	WC220	COMPLY WITH AD & SB AS REQ'D	LG 46 OCT-16-2020
170	WC140	PERFORM CONTINUITY TEST AT EFFECT WIRE HARNESS AS REQ'D	LG 12 OCT-16-2020
180	WC220	CLEAN UP THE WHOLE COMPLETE GEAR	LG 46 OCT-17-2020

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000296



SLG - PROCESS ROUTING

SALES ORDER 9070-0118-2020		Customer SUNEXPRESS	Prepared By : HAI NGUYEN
Work Order No. 2 1 2 0 - 0 0 7 8 - 2 0 2 0		Aircraft 737NG MLG	Approved By : HAI NGUYEN
Detail W/O : 0 0 7 8 - 2 5 3 8 0 1		Material : VARIOUS	
Part Number : 161A1100-40	Manual No. : CHAPTER 32	OEM : BOEING	DIM. Report : ☐ Yes ☒ No
Det Number : N/A			
Serial Number : MAL02520Y1240	Rev. No. : 172	TSN/CSN : N/A 37,550	Bushing Router : ☐ Yes ☒ No
Description : 737NG MLG RH	Rev. Date : JUL/01/2020	TSO/CSO : N/A 16,555	SMN 282

Process Router based on all possible repairs being required. Approved personnel can cancel a process step (Stamp and date required), but reason(s) must be traceable. All dimensions are in inches unless otherwise stated.

- ☒ Repair (Continued Time)
☐ Overhaul
☐ Modification

Step	R. Section	DESCRIPTIONS / INSTRUCTIONS	STAMP/DATE
190	WC150	TOUCH UP PRIME & PAINT AS REQ'D	 OCT-17-2020
200	WC220	TAMPER PROOF AS REQ'D	 OCT-17-2020
210	WC170	PERFORM FINAL INSPECTION VERIFYING SB'S & AD'S HAD BEEN ENBODIED	 OCT-19/2020

	BATCH # 482373		LOCATION: MCI	
			BIN: A/C-817	
P/N 161A1100-40			LLM ELIGIBLE	
S/N MAL02520Y1240		ESD	HAZMAT	
DESCRIPTION ASSEMBLY - MAIN LANDING GEAR, RH		P/N CAT. ROT	ATA 32-11-2	
P/N CONTROLS OHC	DUE DATE 10/29/2030	SL/TL EXP.	ORDER # SHORT/LOAN LO 92663	
REM. SVC. FROM A/C OR NHA P/N		POSITION		
REM. SVC. FROM NHA S/N		LOGPAGE/TC/WO #		
INSP. DATE 11/05/2020	INSPECTED BY # 9657 JAY CORCORAN			

DATE 11/20/2020	TIME (GMT)	STATION MCI	LOGPAGE/TC/WO # 320400200
A/C OR NHA P/N		POSITION R/H	NHA S/N
REMOVED P/N 161A1100-40			QTY 1
REMOVED S/N Mal 022 78Y1122			
REMOVAL CODE			
☐ 1- COMPANY CONVENIENCE ☐ 2- BAD FROM STOCK ☐ 3- PRECAUTIONARY ☐ 4- TROUBLESHOOTING		☐ 5- SCHEDULED ☐ 6- UNSCHEDULED ☐ 7- SWAP ☒ 8- OTHER	
REASON FOR REMOVAL			
REMOVED BY 11/20/2020 TSTephens 56620C		INSTALLED BY TSTephens 56620C 11/20/2020	

30651
SIGN OFF COPY



Engineering Task Card

W/O: 54181

Print Date: 09/08/2020 03:29

Page: 1 of 4

Task Card Number		Station		A/C	
320400200		MCI		817	
Task Card Title				W/O Start/Completion Time	
REMOVE & REPLACE RIGHT MAIN LANDING GEAR (MLG) FOR RESTORATION (OFF AIRCRAFT)				11/10/2020 00:00 - 11/11/2020 23:59	
Engineering Control		Revision Number		Revision Date	
		173		08/24/2020 19:38	
Repair/Alteration Classification					
OTHER / NONE					
MM Effectivity		Variable		P/N Effectivity	
817		YC082		161A1100-40 MAL02278Y1122 ONLY	
Special Program		Access		Zone	
		651BB, 651BT, 651DB, 651DT, 651EB, 651ET, 651FB		744	

Material			
Part Number	Description	Quantity	UOM
161A1100-40	ASSEMBLY - MAIN LANDING GEAR, RH	1	EA
115A5240-3	HOUSING ASSY	1	EA
273A2101-101	ACTUATOR ASSY - MAIN GEAR RETRACT	1	EA
115A5260-1	PIN - FUSE	1	EA
161A6100-12	UPLOCK ASSY, RH	1	EA

Work Instructions			
Item	Item Description	MECH	INSP
1	Do Boeing Task Card 32-040-02-01 - Remove & Replace Right Main Landing Gear	XXX	XXX
2	Do Task 32-11-00-000-801 - Main Landing Gear Removal	MECH 11-05-2020 	XXX
3	Do Task 32-11-61-000-803 - Main Landing Gear Side Strut Removal	 11/04/2020	XXX

Task Card: 	W/O: 
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Engineering Task Card

W/O: 54181

Print Date: 09/08/2020 03:29

Page: 2 of 4

Task Card Number	Station	A/C
320400200	MCI	817

Work Instructions			
Item	Item Description	MECH	INSP
4	Do Task 32-11-89-000-801 - Main Landing Gear Downlock Strut Removal		XXX
5	Do Task 32-11-71-000-801 - Main Landing Gear Reaction Link Assembly Removal		XXX
6	Do Task 32-32-11-000-801 - Main Landing Gear Actuator Assembly Removal		XXX
7	Do Task 32-11-83-000-801 - Main Landing Gear Forward Trunnion Bearing Assembly Removal		XXX
8	Do Task 57-16-01-000-801 - Remove the MLG Forward Trunnion Housing Assembly		XXX
9	Do Task 57-16-02-000-801 - Remove the MLG Aft Trunnion Housing Assembly		XXX
10	Do Task 32-32-31-000-801 - Main Gear Uplock Assembly Removal		XXX
11	Do Task 32-32-31-400-801 - Main Gear Uplock Assembly Installation		XXX

Task Card:



W/O:





Engineering Task Card

W/O: 54181

Print Date: 09/08/2020 03:29

Page: 3 of 4

Task Card Number	Station	A/C
320400200	MCI	817

Work Instructions

Item	Item Description	MECH	INSP
12	Do Task 57-16-02-400-801 - Install the MLG Aft Trunnion Bearing Assembly	MECH	XXX
13	Do Task 57-16-01-400-801 - Install the MLG Forward Trunnion Bearing Assembly		XXX
14	Do Task 32-11-83-400-801 - Main Landing Gear Forward Trunnion Bearing Assembly Installation		XXX
15	Do Task 32-32-11-400-801 - Installation of the Actuator Assembly for the Main Gear		XXX
16	Do Task 32-11-71-420-801 - Main Landing Gear Reaction Link Assembly Installation		XXX
17	Do Task 32-11-89-420-801 - Main Landing Gear Downlock Strut Installation		XXX
18	Do Task 32-11-61-400-803 - Main Landing Gear Side Strut Installation		XXX
19	Do Task 32-11-00-400-801 - Main Landing Gear Installation		XXX

Task Card:



W/O:





Engineering Task Card

W/O: 54181

Print Date: 09/08/2020 03:29

Page: 4 of 4

Task Card Number	Station	A/C
320400200	MCI	817

Work Instructions

Item	Item Description	MECH	INSP
20	Do AMM Task 12-25-07-600-801 - Lubricate the Support Beam Assembly of the Main Landing Gear	MECH [Redacted] 11/19/20	XXX
21	Inspect Installation of the Right Main Landing Gear.	XXX	RII
22	Initiate Maintenance Tracking Item (MTI) to do Task Card 320200201 from 5 to 10 cycles after this task card is done. Contact Maintenance Control for MDDR #. Enter MDDR# <u>105448</u>	MECH 	XXX

ALL ITEMS SIGNED

SIGNATURE [Redacted]

EMP. # 80976c

DATE 11/21/2020

Task Card:



W/O:



AIRFRAME ORIGINATING DOCUMENT: 320400200

JOB NO.: 801909

TAIL NO.: 817

COMPONENT JOB NO.: _____

CSD-004 ITEM # _____

ITEM NO.	DATE	TASK	UPDATE	MECH	INSP
1	11/04/2020	Removed #3 & #4 Wheel and Tire Assy IAW Amm 32-45-11-000-801	OK to install (ATS 389 INSP) 11/09/2020 Reinstalled #3 and #4 Tire/wheel Assy IAW Task card 320400200		(ATS 343 INSP)
2	11/04/2020	Removed #3 & #4 Brake Assy IAW Amm 32-41-41-000-801	REINSTALLED #3 & #4 BRAKE ASSEMBLY IAW Amm 32-41-41-000-801 STEPS 3.G. - H. (10)		(ATS 339 INSP)
3	11/04/2020	Removed RH MLG Door Wing Door IAW Amm 32-13-21-000-802			DATE: 11/09/2020
4	11/04/2020	Removed RH MLG Inlet & Center door IAW Amm 32-13-41-000-802			
5	11/05/2020	Removed RH MLG Assy IAW Task Card 320400200 Step 1	OK TO INSTALL (ATS 301 INSP) 11/06/2020 INSTALLED RH MLG ASSY IAW TASK CARD # 320400200 STEPS 18A-B42		

AIRFRAME ORIGINATING DOCUMENT: 320400200

JOB NO.: 801909

TAIL NO.: N81254

COMPONENT JOB NO.: _____

CSD-004 ITEM # _____

TASK

UPDATE

ITEM NO. 6 DATE: 11-05-2020

Removed RH MLCG Actuator Assy
IAW Task Card 320400200 step 5

INSTALLED SERVICEABLE RH Actuator
Assy. IAW ~~BT~~ TASK CARD #
320400200 STEP 14 A-G.

INITIATED BY:



ITEM NO. 7 DATE: 11/05/2020

Removed RH MLCG End Trunnion
bearing Assy IAW: Amm
32-11-83-000-801

OK to install 11/05/2020
Replaced RH MLCG End Trunnion
bearing Assy TAW: Amm
32-11-83-000-801

INITIATED BY:

ITEM NO. 8 DATE: 11/05/2020

Removed RH MLCG Aft Trunnion
bearing Assy IAW: Amm
57-16-02-400-801

OK to install 11/05/2020
Replaced RH MLCG Aft
trunnion bearing IAW: Amm
57-16-02-400-801

INITIATED BY:

ITEM NO. 9 DATE: 11/06/2020

Removed R/H Main Gear
Unlock Assembly IAW Amm
32-32-31-000-801

OK to install 11/06/2020
Installed R/H Main Gear Unlock
Assembly IAW Amm ~~32-32-31-000-801~~
~~400-801~~ Task card 320400200
Step 10B(18) 10A-10B(18)

INITIATED BY:

ITEM NO. _____ DATE: _____

INITIATED BY:

MECH	INSP

DATE: 11/07/2020

Continued
↓

AIRFRAME ORIGINATING DOCUMENT: 320400200JOB NO.: 801909TAIL NO.: 281754

COMPONENT JOB NO.: _____

CSD-004 ITEM # _____

TASK

UPDATE

ITEM NO. 10 DATE: 10/06/2020

INITIATED BY: _____

R/H MLG requires freeplay check

performed freeplay check on R/H MLG IAW Amm 57-15-00-200-802 and Task Card 32-41-00-000-801 step 1A(14) measures .010

ITEM NO. 11 DATE: 11/07/2020

INITIATED BY: _____

CONTINUE R/H MLG uplock INSTALLATION TASK CARD # 320400-200 STEPS 1DB(19) - 1DE(15)

Completed R/H MLG uplock Installation IAW Task Card 320400200.

ITEM NO. 12 DATE: _____

INITIATED BY: _____

INSTALL R/H MLG REACTION LINK ASSY. DOWN LOCK ASSY AND ^{VOID SPRING'S SLACK} ~~VOID SPRING'S SLACK~~ ^{VOID SPRING'S SLACK} ~~VOID SPRING'S SLACK~~ SIDE SIEWT. VOID ~~VOID SPRING'S SLACK~~

INSTALLED R/H MLG REACTION LINK ASSY DOWN LOCK ASSY AND SIDE SIEWT IAW TASK CARD # 320400200 STEPS 15C(15) 15D(5)

ITEM NO. 13 DATE: _____

INITIATED BY: _____

INSTALL R/H MLG DOWN LOCK ASSY SPRINGS

COMPLETED R/H MLG uplock DOWNLOCK SPRINGS IAW TASK CARD # 320400200 STEP 15C(19)

ITEM NO. 14 DATE: 11/07/20

INITIATED BY: _____

INSTALL R/H MLG SIDE SIEWT

INSTALLED R/H MLG SIDE SIEWT IAW TASK CARD # 320400200 STEPS 17C-17D(5)

MECH

INSP

ATS
339
INSP

11/07/2020

INSP

RTI

ATS
343
INSP

11/07/2020

INSP

ATS
343
INSP

2020

INSP

ATS
343
INSP

11/07/2020

INSP

ATS
343
INSP

11/07/2020

AIRFRAME ORIGINATING DOCUMENT: 320400200

COMPONENT JOB NO.: _____

JOB NO.: 817

TAIL NO.: 817

CSD-004 ITEM # _____

Proprietary and Confidential - Not to be Released Under FOIA

ITEM NO.	DATE	TASK	UPDATE	MECH	INSP
15	11/04/2020	REMOVED R/H MLG DOWNLOCK STRUT IAW TASK CARD 320400200 STEP 3.	REINSTALLED NEW R/H MLG DOWNLOCK STRUT IAW TASK CARD 320400200 STEPS 16.A.-C.		ATS 339 INSP
16	11/09/2020	perform installation test of #3 and #4 Brake Assy IAW Task card 320400200	Performed Installation Test of #3 and #4 Brake Assy IAW Task card 320400200 step 18.B. (55)		ATS 308 INSP
17	11/09/2020	Perform installation test on R/H MLG uplock Assy IAW Task Card 320400200.	R/H MLG uplock Assy. Installation Test (Per 1.A.7a) Task Card # 320400200 STEPS 1DE.		ATS 308 INSP
18	11/12/2020	Perform operational test of the R/H MLG wheel transducers	PERFORMED OPERATIONAL TEST OF THE R/H MLG ANTISKID TRANSDUCERS IAW Amm 32-42-00-710-802		ATS 308 INSP
19	11/12/2020	REMOVED MLG WING DOOR R/H IAW Amm 32-13-21-000-802	INSTALLED R/H MLG WING DOOR IAW Amm 32-13-21-420-801 STEPS 3.A. — G.		ATS 339 INSP

DATE: 11/12/2020

AVIATION TECHNICAL SERVICES

EXTENDED CORRECTIVE ACTION / TASK PROGRESSION FORM

PAGE 5 OF 7

AIRFRAME ORIGINATING DOCUMENT: 320400200

JOB NO.: 601909

TAIL NO.: 617

COMPONENT JOB NO.: _____

CSD-004 ITEM # _____

ITEM NO.		DATE	TASK	UPDATE	MECH	INSP
20	11/12/2020		R/H MLG Shock strut requires Servicing	Serviced R/H MLG Shock Strut IAW Amm 12-15-31-610-805 ^{Stephans 86202} Steps 4.A - 4.6(8)	[Redacted]	ATS 339 INSP
INITIATED BY: [Redacted]						2020
21	11/12/2020		Final Servicing required after plane is on the ground	Completed Final Servicing of the R/H MLG Shock Strut IAW Amm 12-15-31-610-802 Step 4.6.(9)		INSP
INITIATED BY: [Redacted]						2020
22	11/14/2020		RMLG WING DOOR ADJUSTMENT REQ'D PER Amm 32-13-21-000-801	R/H MLG ^{Failure} Wing Door Adjustment IAW B737 Amm 32-13-21-000-801	[Redacted]	ATS 340 INSP
INITIATED BY: [Redacted]						2020
23	11/14/2020		LUBRICATE MLG PER TASK CARD 320400200 STEP 18.C(9).	Lubricated MLG PER TASK CARD 320400200 Step 18 C (9)		INSP
INITIATED BY: [Redacted]						2020
24	11/14/2020		MLG OPERATIONAL TEST IS REQ'D PER TASK CARD 320400200 STEP 18.C (14).	R/H MLG OPERATIONAL TEST GOOD IAW T/C # 320400200 Steps 18c(14)	[Redacted]	ATS 308 INSP
INITIATED BY: [Redacted]						DATE: 11/17/2020

AIRFRAME ORIGINATING DOCUMENT: 320400200

JOB NO.: 801909

TAIL NO.: 81754

COMPONENT JOB NO.: _____

CSD-004 ITEM # _____

Proprietary and Confidential - Not to be Released Under FOIA

ITEM NO.		DATE	TASK	UPDATE	MECH	INSP
25	11/14/2020	MLG MANUAL EXTENSION SYSTEM TEST IS REQ'D PER TASK CARD 320400200 STEP 18.C (15)	RTT MLG MANUAL EXTENSION GOOD IAW T/C #320400200 STEP 18.C (15)			ATS 308 INSP
26	11/14/2020	BLEED THE BRAKE HYDRAULIC SYSTEM PER TASK CARD 320400200 STEP 18. C (19-20)	Completed RTT MLG Brake Bleed of the Hydraulic System per Task Card 320400200 Step 18. C (19-20)			ATS 308 INSP
27	11/14/2020	BLEED THE SHIMMY DAMPER PER TASK CARD 320400200 STEP 18.C (21-22)	Completed RTT MLG Shimmy Damper Bleed IAW Task Card 320400200 Step 18.C (21-22)			ATS 308 INSP
28	11/14/2020	CONNECT THE INTERLOCK VALVE CABLE PER TASK CARD 320400200 STEP 18.B (51).	CONNECTED THE INTERLOCK VALVE CABLE PER TASK CARD # 320400200 STEP 18.B (51) AND ANM 27-62-51-400- 801 STEPS 5-E (1)(c) - (h) & (m)			ATS 308 INSP
29	11/15/2020	GROUND SPOKE INTERLOCK VALVE ADJUST- MENT PER B757 ANM 27-62-00- 820-803.	ADJUSTED GROUND SPOKE INTERLOCK VALVE IAW B757 ANM 27-62-00-820-803 STEP 7.D (1) - (3)(i)			ATS 308 INSP

DATE: 11/15/2020

AIRFRAME ORIGINATING DOCUMENT: 320400200

JOB NO.: 801909

TAIL NO.: 81754

COMPONENT JOB NO.:

CSD-004 ITEM #

Proprietary and Confidential - Not to be Released Under FOIA

ITEM NO.	DATE	TASK	UPDATE	MECH	INSP
30	11/15/2020	GROUND SPOILER INTERLOCK VALVE FUNCTIONAL TEST REQ'D PER B737 AMM 27-62-61-400-805.	GROUND SPOILER INTERLOCK VALVE FUNCTIONAL TEST GOOD IAW B737 AMM 27-62-61-400-805.		ATS 308 INSP
31	11/17/2020	PERFORM R/H MLG RETRACT ACTUATOR ASSY. BLEED IAW TASK CARD 320400200 STEP 14.D.	Complies with R/H MLG RETRACT ACTUATOR ASSY. BLEED IAW T/C # 320400200 Steps 14.D.		12020 INSP ATS 308 INSP
32	11/17/2020	PERFORM LEAK CHECK OF R/H MLG REACTION LINK ASSY.	R/H MLG REACTION LINK LEAK CHECK GOOD IAW T/C # 320400200 Steps 14A(6)		INSP ATS 308 INSP
33	11/17/2020	PERFORM LEAK CHECK OF R/H MLG DOWNLOCK ASSY ACTUATOR.	R/H MLG DOWNLOCK ASSY ACTUATOR LEAK CHECK GOOD IAW T/C # 320400200 Steps 16D(4)		INSP ATS 308 INSP
34	11/17/2020	PSEU BITE TEST (GROUND TEST) REQUIRED. REF. B737 AMM 32-09-10-740-801.	PERFORMED PSEU BITE TEST - GROUND TEST FOR THE R/H MLG IAW AMM 32-09-10-740-801 STEP 3. G.		INSP ATS 308 INSP

DATE: 11/20/2020



15



AD Maintenance Task Card

W/O: 67108

Print Date: 01/31/2022 08:57

Page: 1 of 1

Task Card Number		Station		A/C	
320300200		MSP		817	
Task Card Title				W/O Start/Completion Time	
RIGHT MAIN LANDING GEAR LUBRICATION				02/01/2022 07:00 - 02/02/2022 13:0	
Engineering Control	Revision Number	Revision Date	Repair/Alteration Classification		
320300200	210	04/15/2021 20:58	OTHER / NONE		
MM Effectivity	Variable	P/N Effectivity		Skill	
817	YC082			MECH	
Special Program		Access		Zone	
		651DB		744	

Work Instructions			
Item	Item Description	MECH	INSP
1	AD2019-01-03 Note: Lubrication of the right MLG forward and aft trunnion pin assemblies satisfies the requirements of AD2019-01-03. See Item 4, below.	XXX	XXX
2	Do Boeing Task Card 32-030-02-01 - Lubricate the right main landing gear assembly.	XXX	XXX
3	Do Task 12-25-07-600-801 - Lubricate the Support Beam Assembly of the Right Main Landing Gear	MECH 1092	XXX
4	Do Task 12-21-11-640-801 - Right Main Landing Gear Upper End Components Servicing Note: Servicing the right main landing gear upper end components satisfies the lubrication requirements of SB 737-32-1448, Rev 2 dated August 02, 2017 per AD2019-01-03 by lubrication of the right MLG forward and aft trunnion pin assemblies (Figure 2, Items [7] and [8]).	MECH 1092	XXX
5	Do Task 12-21-11-640-802 - Right Main Landing Gear Lower End Components Servicing	MECH 1092	XXX

ALL ITEMS SIGNED

SIGNATURE



EMP. # 10922

DATE 02-01-2022

Task Card:		W/O:	
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