United Parcel Service SERVICEABLE PARTS TAG

CAT. 2/3 ☐

SERVICEABLE PART

PART NUMBER	SERIAL NUMBER	PO/RO
5719176-5508	UPS 4710	SR1152341

ITEM ID	DESCRIPTION
	TUBE, TORQUE & BUNGEE ASSY (RH)

NEW ☐ OH ☒ REPAIRED ☐
BENCH TEST ☐ OTHER ____

TSO	MFG	CLASS
0		RP

DATE	INSPECTED BY #	VENDOR	CERTIFICATE NUMBER
01-27-2007	RROBERTS 00300 SAA020	RAR8	EASA.145.4007

INST

GATEWAY	ACFT/NHA SN	POSITION	LOG PAGE/DOC NO.	ITEM	INSTALLED BY	DATE
SIA	805UP	R/HMLG	T/C 9132-3	N/A	RV01069	4-5-07

REMOVED PART

GATEWAY	ACFT/NHA SN	POSITION	LOG PAGE/DOC NO.	ITEM	REMOVED BY	DATE
SIA	805UP RV01069 A03	R/HMLG	T/C 9132-3	N/A	RV01069	4-5-07

REMOVED PART NUMBER RV01069	REMOVED SERIAL NUMBER	FLIGHT NO.	SCHEDULED REMOVAL
5719176-~~5508~~ 5512	UPS 1862	N/A	☐ N

REASON FOR REMOVAL (BE SPECIFIC)

Time change

943254

FORM : 32-19-028 DATE : 12-01-99

TAC 20798

AAR LANDING GEAR SERVICES
a division of AAR Airframe & Accessories Group, Inc.
Exchange & Overhaul

A/C:	DC8	**CUST:**	UNITED PARCEL SERVIC
P/N:	TORQUE TUBE & BUNGEE	**W/ORDER:**	343946
P/#:	5719176-5508	**TRACKING #:**	671897
S/#:	UPS4710	**DATE:**	08/04/2006

Serialized List

TRACKING	PART NAME	PART NUMBER	SERIAL NUMBER	WORK ORDER	LAST OPERATOR	LIFE LIMIT	CSN
657188	BOLT-OUTBOARD TORQUE	3771417-1	188R/H 350	343946	UNITED PARCEL SERVIC	UNLIMITED	N/A
662345	BUNGEE CYLINDER	3895986-5002	UP3159A	344057	UNITED PARCEL SERVIC	UNLIMITED	N/A
657175	MLG LINK	5714918-1	UPS4710 / DM142	343946	UNITED PARCEL SERVIC	UNLIMITED	N/A
651527	MLG LINK	5714918-5	UP35625 / DM111	343590	UNITED PARCEL SERVIC	UNLIMITED	N/A
657187	LINK	5715358-2	UPS4710	343946	UNITED PARCEL SERVIC	UNLIMITED	N/A
657186	LINK	5715358-1	UPS4710/WGF113	343946	UNITED PARCEL SERVIC	UNLIMITED	N/A
657195	TORQUE TUBE	5718934-501	UPS5732 /W10749-1	343946	UNITED PARCEL SERVIC	UNLIMITED	N/A
	MODIFICATIONS	PRE P/N	SUBMITTALS	REMARKS			
	N/A	N/A	N/A	SUB AAG-MIA-06-224C			
657182	LINK-WELDED	5888300-2	1474	343946	UNITED PARCEL SERVIC	UNLIMITED	N/A

AAR LANDING GEAR SERVICES

corrected copy

DC-8 MLG TT & Bungee ASSY REPORT FAA/JAA APPROVED REPAIR STATION	CUSTOMER: UPS	WORK ORDER: 343946	PURCHASE ORDER: SR1152341
	RECEIVED GEAR		DELIVERED GEAR
	PART NUMBER: N/A		PART NUMBER: 5719176-5508
	SERIAL NUMBER: N/A		SERIAL NUMBER: UPS4710
	REMOVED FROM AIRCRAFT: N/A		
	HOURS: N/A	CYCLES: N/A	

MODIFICATION	RV	DESCRIPTION	STATUS
SB 32-101	2	**PERMANENT IDENTIFICATION OF MLG COMPONENTS**: Provides instructions for identification of DC8 landing gear components.	Complied
SB32-0133	OR	**REWORK MLG DOWNLOCK BUNGEE SYSTEM**: Replaces existing down-lock bungee system with a new system of improved design to preclude damage during an unrestrained free fall of the main landing gear.	Complied
EO DC8-3200-0471	S	**UPS ONLY**. This EO provides specifications and general requirements for the overhaul of UPS DC8 Main and Nose Landing Gears.	Complied
O.H.M. 32-1-9		**TORQUE VALUES:** OHM ITEM / DESCRIPTION / TORQUE VALUE 065 NUT 50 (± 5) FT-LB 045 NUT 14 (± 2) FT-LB 091 NUT 18-22 FT-LB 113 BOLT 500 (± 25) FT-LB 075 NUT 18-22 FT-LB 070 NUT 18-22 FT-LB 024 NUT 65-75 FT-LB	Complied
O.H.M. 32-1-9		ASSEMBLE PER CMM CHAPTER 32-1-9.	Complied

AAR LANDING GEAR SERVICES CERTIFIES THAT TO THE BEST OF OUR KNOWLEDGE THE COMPONENTS THAT COMPRISE THIS ASSEMBLY HAVE NOT BEEN SUBJECT TO SEVERE STRESS OR HEAT AS IN AN INCIDENT OR ENGINE FAILURE NOR WERE THEY PROCURED FROM ANY MILITARY SOURCE. FURTHERMORE, AAR LANDING GEAR SERVICES ALSO CERTIFIES THAT TO THE BEST OF OUR KNOWLEDGE THE COMPONENTS LISTED IN SECTION 2 OF THIS REPORT WERE MANUFACTURED BY THE ORIGINAL EQUIPMENT MANUFACTURER OR ONE OF ITS LICENSEE, AND WERE OBTAINED FROM THE SOURCES INDICATED IN THAT SECTION.

AAR LANDING GEAR SERVICES

DC-8 MLG TT & Bungee ASSY REPORT FAA/JAA APPROVED REPAIR STATION	CUSTOMER: UPS	WORK ORDER: 343946	PURCHASE ORDER: SR1152341
	RECEIVED GEAR		DELIVERED GEAR
	PART NUMBER: N/A		PART NUMBER: 5719176-5508
	SERIAL NUMBER: N/A		SERIAL NUMBER: Ups4710
	REMOVED FROM AIRCRAFT: N/A		
	HOURS: N/A CYCLES: N/A		

MODIFICATION	RV	DESCRIPTION	STATUS
SB 32-101	2	**PERMANENT IDENTIFICATION OF MLG COMPONENTS**: Provides instructions for identification of DC8 landing gear components.	Complied
SB32-0133	OR	**REWORK MLG DOWNLOCK BUNGEE SYSTEM**: Replaces existing down-lock bungee system with a new system of improved design to preclude damage during an unrestrained free fall of the main landing gear.	Complied
EO DC8-3200-471 0	R	**UPS ONLY**. This EO provides specifications and general requirements for the overhaul of UPS DC8 Main and Nose Landing Gears.	Complied
O.H.M. 32-1-9		**TORQUE VALUES:** OHM ITEM / DESCRIPTION / TORQUE VALUE 065 NUT 50 (± 5) FT-LB 045 NUT 14 (± 2) FT-LB 091 NUT 18-22 FT-LB 113 BOLT 500 (± 25) FT-LB 075 NUT 18-22 FT-LB 070 NUT 18-22 FT-LB 024 NUT 65-75 FT-LB	Complied
O.H.M. 32-1-9		ASSEMBLE PER CMM CHAPTER 32-1-9.	Complied

AAR LANDING GEAR SERVICES CERTIFIES THAT TO THE BEST OF OUR KNOWLEDGE THE COMPONENTS THAT COMPRISE THIS ASSEMBLY HAVE NOT BEEN SUBJECT TO SEVERE STRESS OR HEAT AS IN AN INCIDENT OR ENGINE FAILURE NOR WERE THEY PROCURED FROM ANY MILITARY SOURCE. FURTHERMORE, AAR LANDING GEAR SERVICES ALSO CERTIFIES THAT TO THE BEST OF OUR KNOWLEDGE THE COMPONENTS LISTED IN SECTION 2 OF THIS REPORT WERE MANUFACTURED BY THE ORIGINAL EQUIPMENT MANUFACTURER OR ONE OF ITS LICENSEE, AND WERE OBTAINED FROM THE SOURCES INDICATED IN THAT SECTION.

AAR LANDING GEAR SERVICES

DC-8 MLG TT & Bungee ASSY REPORT FAA/JAA APPROVED REPAIR STATION	CUSTOMER: UPS	WORK ORDER: 343946	PURCHASE ORDER: SR1152341
	RECEIVED GEAR		DELIVERED GEAR
	PART NUMBER: N/A		PART NUMBER: 5719176-5508
	SERIAL NUMBER: N/A		SERIAL NUMBER: Ups4710
	REMOVED FROM AIRCRAFT: N/A		
	HOURS: N/A CYCLES: N/A		

MODIFICATION	RV	DESCRIPTION	STATUS

MODIFICATION	RV (Revision Level)	MECHANIC SIGNATURE	ENGINEERING APPROVAL	QUALITY APPROVAL
S.B. = Service Bulletin **S.L.** = Service Letter **A.D.** = Airworthiness Directive **O.H.M.** = Overhaul Manual	**OR** = Original Release	Date: August 7, 2006	Date: August 7, 2006	Date: August 7, 2006

1. Approving National Aviation Authority/Country	2.	3. Form Tracking Ref. No.
FAA / UNITED STATES	**AUTHORIZED RELEASE CERTIFICATE** **FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG**	W/O: 343946

4. Organization Name and Address:		5. Work Order/Contract/ Invoice Number
AAR LANDING GEAR SERVICES a division of AAR Airframe & Accessories Group, Inc.	*9371 NW 100 Street* *Miami, FL 33178*	P.O.: SR1152341

6. ITEM:	7. DESCRIPTION:	8. PART NUMBER:	9. ELIGIBILITY:*	10. QTY	11. SERIAL/BATCH NUMBER:	12. STATUS/WORK
1	DC8 TORQUE TUBE & BUNGEE ASSY	5719176-5508	N/A	1	S/N: UPS4710	Overhauled

13. REMARKS Unit is zero time since overhaul. Overhauled per DC8 OHM, revision 46, dated 12/15/1973 & UPS EO No. C-3200-0471-S. Refer to AAR LGS work statement report number 343946 for inspection findings, serialized component list, traceability, C.S.N., S.B. and A.D. Modification.

AAR Landing Gear Services certifies that the work identified in Blocks 12 and 13 was carried out in accordance with EASA Part-145 and in respect to that work the component is considered ready for release to service under EASA Part 145 Approval Number: 145.4007

14. 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 13.

19. ☒ 14 CFR 43.9 Return to Service ☒ Other regulation specified in Block 13

Certifies that unless otherwise specified in Block 13, the work was identified in Block 12 and described in Block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, are approved for return to service.

15. Authorized Signature:	16. Approval/Authorization No.:	20. Authorized Signature:	21. Approval/Authorization No.:
			VQ4R605M
17. Name (Typed or Printed):	**18. Date (m/d/y):**	**22. Name (Typed or Printed):**	**23. Date (m/d/y):**
		FERDINAND ACAMPADO	Aug/07/2006

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 airworkthiness authority of the country specified in block 1, it is essential that the user/installer ensures that his/her authority accepts parts/components/assemblies from the airworthiness authority of the country specified in block 1.

Statements in block 14 and 19 do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

* Installer must cross check eligibility with applicable technical data

1. Approving National Aviation Authority/Country

FAA / UNITED STATES

2.

AUTHORIZED RELEASE CERTIFICATE

FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG

3. Form Tracking Ref. No.

W/O: 343946

4. Organization Name and Address:

AAR LANDING GEAR SERVICES
a division of AAR Airframe & Accessories Group, Inc.

9371 NW 100 Street
Miami, FL 33178

5. Work Order/Contract/ Invoice Number

P.O.: SR1152341

6. ITEM:	7. DESCRIPTION:	8. PART NUMBER:	9. ELIGIBILITY:*	10. QTY	11. SERIAL/BATCH NUMBER:	12. STATUS/WORK
1	DC8 BUNGEE CYLINDER	3895986-5002	N/A	1	S/N: UP3159A	Overhauled

13. **REMARKS** Unit is zero time since overhaul. Overhauled & tested per DC8 OHM, revision 46, dated 12/15/1973 & UPS EO No. C-3200-0471-S, under work order 344057. Refer to AAR LGS work statement tracking number 662345 for work scope. Last Operator: UNITED PARCEL SERVICE

AAR Landing Gear Services certifies that the work identified in Blocks 12 and 13 was carried out in accordance with EASA Part-145 and in respect to that work the component is considered ready for release to service under EASA Part 145 Approval Number: 145.4007

14. **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 13.

19. ☒ 14 CFR 43.9 Return to Service ☒ Other regulation specified in Block 13

Certifies that unless otherwise specified in Block 13, the work was identified in Block 12 and described in Block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, are approved for return to service.

15. Authorized Signature:	16. Approval/Authorization No.:	20. Authorized Signature:	21. Approval/Authorization No.:
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17. Name (Typed or Printed):	**18. Date (m/d/y):**	**22. Name (Typed or Printed):**	**23. Date (m/d/y):**
		FERDINAND ACAMPADO	Aug/07/2006

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* Installer must cross check eligibility with applicable technical data

NSN: 0052-00-012-9005

United Parcel Service Co.
ACCOUNTS PAYABLE DEPT.
P.O. BOX 36387
LOUISVILLE, KY 40233-6387

IMPORTANT: DELIVERY INSTRUCTIONS AND ORDER NUMBER MUST BE SHOWN ON SHIPMENT. INVOICES TO BE SENT TO THE ABOVE ADDRESS AND SHOW ORDER NUMBER:

ORDER NUMBER : S R 1152341

R AR8

DATE : 05/12/06
REVISED DATE : 08/18/06 3
UPS CONTACT BECKY FORD
502 359 6806
FAX 502 359 7839

2

ORDER PLACED WITH

AAR LANDING GEAR SERVICE
9371 N.W. 100 STREET
MIAMI FL 33178

SHIP TO

AAR LANDING GEAR CENTER RV
9371 N.W. 100 STREET
MIAMI, FL 33178

SHIP VIA : UPS BOND ROOM

NET 30 DAYS

FOB: AR8/FL

--LINE--QUANTITY--UOM---------DESCRIPTION----------UNIT PRICE----EXT PRICE---

DUPLICATE

13 WAS CARRIED OUT IN ACCORDANCE WITH EASA 145 AND
WITH RESPECT TO THAT WORK, THE AIRCRAFT COMPONENT IS
CONSIDERED READY FOR RELEASE TO SERVICE UNDER EASA
ACCEPTANCE CERTIFICATE NUMBER: EASA XXXX."

--LINE--QUANTITY--UOM---------DESCRIPTION----------UNIT PRICE----EXT PRICE---

2 1 EA 5719176-5508 $14257.98000 $14257.98
TUBE,TORQUE & BUNGEE ASSY(RH)
CLASS RP
SN OFF- UPS4710
AC TAIL NO.- 730
POSITION- RH
DATE REMOVED- 042006
REASON FOR REMOVAL- ATTACH AREA HAS PLAY
INSTRUCTIONS TO VENDOR-
INSPECT,TEST & ADVISE WORKSCOPE-RP OR OH
COMPLY WITH UPS EO- DC8-3200-0471-R
DATE INSTALLED- NA
WO# 343946

Received By RR #00300 SAA020
Date 01-27-2007
P/N 5719176-5508
S/N UPS4710
TAG# 943254

BALANCE QUANTITY DUE: NONE
REQUIRED DELIVERY DATE: 09/20/06
PROMISED SHIPMENT DATE: 06/20/06
ACCT: A 2219 775106 732509 730
REQUISITION/LINE: REP 730 J26134 S1A1/0001

********** END OF ORDER, LINE ITEM COUNT: 1 **********

$14257.98

THE SUPPLIER HEREBY AGREES TO CONFORM WITH THE NONDISCRIMINATION PROVISION OF EXECUTIVE ORDER 11246 (60-2.21 B6), 60-250.4 (4M) AND 60-741.3 (F)

TERMS AND CONDITIONS

By providing materials, parts, or services under this purchase/repair order the vendor expressly agrees to the following terms and conditions:

1. The vendor agrees to indemnify and hold harmless United Parcel Service Co., its parent, United Parcel Service of America, Inc., and its corporate affiliates and all officers, agents, and employees of each of those companies from and against all liabilities, claims, losses, costs, and expenses (including the reasonable cost of litigation) arising from disputes as to title, authenticity, serviceability, and third party claims, and/or civil actions and penalties related to parts and materials furnished under this purchase/repair order.
2. The vendor expressly warrants that as to all parts and materials furnished under this purchase/repair order that the vendor has good title, free from all claims and encumbrances. In the event parts or materials furnished are later discovered to be stolen, bogus, counterfeit or otherwise illegitimate, the vendor agrees to return the full purchase price, plus all costs related to the use, preparation for use, or non-use of parts and materials furnished, including reasonable transportation and administration costs, to UPS upon demand.
3. The vendor further agrees that parts, materials, equipment and services manufactured, overhauled, repaired or tested shall be accompanied by a UPS Component Teardown Report Form 52-19-049 as revised or (equivalent) information. All powerplant, auxiliary powerplant units (APU's) and landing gear assemblies must include record of overhaul. FAA Form 337, Engineering Orders (E.O.'s) or Service Bulletin (S.B.) compliance and inspection records, if applicable, must be accompanied with the component.

This agreement will not be treated as fully executed until receipt of required documents.

4. The above agreement is in addition to any express or implied warranties applicable to this purchase or repair, does not constitute a waiver of any other remedy at law or equity, and shall be considered supplemental to any previous agreements.

02530522

United Parcel Service Co.
ACCOUNTS PAYABLE DEPT.
P.O. BOX 36387
LOUISVILLE, KY 40233-6387

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ORDER NUMBER : S R 1152341

R AR8

DATE : 05/12/06
REVISED DATE : 08/18/06 3
UPS CONTACT BECKY FORD
502 359 6806
FAX 502 359 7839

1

ORDER PLACED WITH

AAR LANDING GEAR SERVICE
9371 N.W. 100 STREET
MIAMI FL 33178

SHIP TO

AAR LANDING GEAR CENTER RV
9371 N.W. 100 STREET
MIAMI, FL 33178

SHIP VIA : UPS BOND ROOM

NET 30 DAYS

FOB: AR8/FL
S1A-1001-S10 AIR0MDP

*** CHANGE ORDER - DO NOT DUPLICATE ***

*** SEE BACK FOR ADDITIONAL TERMS & CONDITIONS ***

1. UNITED PARCEL SERVICE WILL NOT BE RESPONSIBLE FOR ANY WORK COMPLETED WITHOUT PRIOR WRITTEN APPROVAL.
2. LABOR, MTL. & DELV. DATE ESTIMATES ARE REQUIRED
3. LIST MATERIAL BY PART NO., QTY. & UNIT COST.
4. DOCUMENT E.O. COMPLIANCE AS FOLLOWS ON QUOTE & TEARDOWN FORMS: PREV ACCOMPLISHED; ACCOMPLISHED; OR NOT APPLICABLE.

*** USE YELLOW INSPECTION LACQUER TO OUTLINE HIGHEST
*** ASSY DATAPLATE ON UNITS WITH MULTIPLE DATAPLATES
RETURN UNIT IN APPRVD SHIPPING CONTAINR OR ATA CONTAINR
*** ONE UNIT PER SHIPMENT ***

THE VENDOR AGREES THAT PARTS, MATERIALS, EQUIPMENT, AND SERVICES PROVIDED UNDER THIS PURCHASE / REPAIR ORDER SHALL MEET OR EXCEED ALL APPLICABLE F.A.R.'S AND WERE MANUFACTURED, OVERHAULED, REPAIRED OR TESTED IN ACCORDANCE WITH THE CURRENT MANUFACTURER'S SPECIFICATIONS, O.E.M. MANUAL OR UNITED PARCEL SERVICE SPECIFICATIONS (AS APPLICABLE)

VENDOR "RETURN TO SERVICE" TAG OR FAA FORM 8130-3 MUST MATCH MANUFACTURER DATA PLATE ON UNIT (MODEL, PART, AND SERIAL NUMBER) AND UPS REPAIR ORDER. ALL 8130-3 FORMS WILL INCLUDE YOUR EASA CERTIFICATION NUMBER. IN ADDITION, THIS STATEMENT MUST APPEAR ON ALL 8130-3 FORMS USED TO RETURN ALL UPS COMPONENTS TO SERVICE: "THIS CERTIFIES THAT THE WORK SPECIFIED IN BLOCK 12 AND

CONTINUED ON NEXT PAGE

THE SUPPLIER HEREBY AGREES TO CONFORM WITH THE NONDISCRIMINATION PROVISION OF EXECUTIVE ORDER 11246 (60-2.21 B6), 60-250.4 (4M) AND 60-741.3 (F)

TERMS AND CONDITIONS

By providing materials, parts, or services under this purchase/repair order the vendor expressly agrees to the following terms and conditions:

1. The vendor agrees to indemnify and hold harmless United Parcel Service Co., its parent, United Parcel Service of America, Inc., and its corporate affiliates and all officers, agents, and employees of each of those companies from and against all liabilities, claims, losses, costs, and expenses (including the reasonable cost of litigation) arising from disputes as to title, authenticity, serviceability, and third party claims, and/or civil actions and penalties related to parts and materials furnished under this purchase/repair order.
2. The vendor expressly warrants that as to all parts and materials furnished under this purchase/repair order that the vendor has good title, free from all claims and encumbrances. In the event parts or materials furnished are later discovered to be stolen, bogus, counterfeit or otherwise illegitimate, the vendor agrees to return the full purchase price, plus all costs related to the use, preparation for use, or non-use of parts and materials furnished, including reasonable transportation and administration costs, to UPS upon demand.
3. The vendor further agrees that parts, materials, equipment and services manufactured, overhauled, repaired or tested shall be accompanied by a UPS Component Teardown Report Form 52-19-049 as revised or (equivalent) information. All powerplant, auxiliary powerplant units (APU's) and landing gear assemblies must include record of overhaul. FAA Form 337, Engineering Orders (E.O.'s) or Service Bulletin (S.B.) compliance and inspection records, if applicable, must be accompanied with the component.

This agreement will not be treated as fully executed until receipt of required documents.

4. The above agreement is in addition to any express or implied warranties applicable to this purchase or repair, does not constitute a waiver of any other remedy at law or equity, and shall be considered supplemental to any previous agreements.

02530522

United Parcel Service SERVICEABLE PARTS TAG

CAT. 2/3 ☐

SERVICEABLE PART

PART NUMBER	SERIAL NUMBER	PO/RO
5719176-5508	UPS.4710	SR1152341

ITEM ID	DESCRIPTION
	TUBE, TORQUE & BUNGEE ASSY (RH)

NEW ☐ OH ☒ REPAIRED ☐
BENCH TEST ☐ OTHER ____

TSO	MFG	CLASS
0		RP

DATE	INSPECTED BY #	VENDOR	CERTIFICATE NUMBER
01-27-2007	RROBERTS 10300 SAA 029	RAR 8	EASA.145.4007

INST

GATEWAY	ACFT/NHA SN	POSITION	LOG PAGE/DOC NO.	ITEM	INSTALLED BY	DATE

REMOVED PART

GATEWAY	ACFT/NHA SN	POSITION	LOG PAGE/DOC NO.	ITEM	REMOVED BY	DATE

REMOVED PART NUMBER	REMOVED SERIAL NUMBER	FLIGHT NO.	SCHEDULED REMOVAL Y / N

REASON FOR REMOVAL (BE SPECIFIC)

943254

C-366093

FORM : 32-19-028 DATE : 12-01-99

AAR Landing Gear Services

FAA REPAIR STATION VQ4R605M
9371 N.W. 100 Street, Miami, Florida, (305) 887-4027
PLEASE REMIT PAYMENT TO:
P.O.Box 70205, Chicago, Il. 60673-0205

Please Reference This Number When Remitting

SHIPPING DOCUMENT	
Sales Order	343946S03
Shipper Date:	23 Jan 2007

SOLD TO	SHIP TO
UNITED PARCEL SERVICE PO BOX 36387 ATT: ACCOUNTS PAYABLE LOUISVILLE,, KY 40233 USA	UNITED PARCEL SERVICE C/O SAN ANTONIO AEROSPACE UPS STOCK ROOM 9800 JOHN SAUNDERS RD SAN ANTONIO, TX 78216-4202

Date Entered	**Customer Order #**	**Customer #**	**Our Sales Order #**	**Terms:** Net 30 Days
18 May 2006	SR1152341	4281200	343946	**Net:** 0 **Due:**

Date Shipped	**Via**	**Bill Of Lading/AWB**	**Shipment:** Prepaid ☐ Partial ☒ Collect ☐ Complete ☐
23 Jan 2007			

Model	**NOTE: Scrap Material will be disposed 60 days after invoicing.**	**Charges of 1.5% per month (10% annual) will be added to all PAST DUE aacounts.**
DC8		

#	PART NUMBER	DESCRIPTION / SERIAL #	QTY
1	5719176-5508	TORQUE TUBE & BUNGEE S/N: UPS4710 Quantity: 1.00 OVERHAULED SHIP VIA: UPS TRAFFIC DEPT.	2.00

Unit verified to be properly packaged and in proper shipping container	AAR 72 C/C QC Sign-off

Transaction Type: OVERHAUL

:

Related Transactions
Receiver Document 16359

AAR Landing Gear Services warrants the material and services provided under this invoice in accordance with the provisions of AAR-LGS standard warranty, copies of which are attached.

2 PCS

AAR LANDING GEAR SERVICES
a division of AAR Airframe & Accessories Group, Inc.
Exchange & Overhaul

A/C TYPE:	DC8	**CUSTOMER:**	UNITED PARCEL SERVIC
P/NAME:	BUNGEE CYLINDER	**W/ORDER:**	344057
P/NUMBER	3895986-5002	**OHM/REV:**	32-4-5A / N/A
S/NUMBER	~~662345~~ UP 3159A 7/14	**C.S.N.:**	N/A
L/LIMIT :	UNLIMITED	**TRACKING #:**	662345
FIG/ITEM:	SEE MTF	**MAT/HT TRT:**	N/A
SRV BL-1:	SEE ASSY	**SRV BL-3:**	SEE ASSY
SRV BL-2:	PROCEDURES	**SRV BL-4:**	PROCEDURES **BY:** ED 06/15/2006

AARLG 165 QC

PROCESS ROUTING

OPR #	OPERATION DESCRIPTION	BAR CODE	DATE	OPERATOR
100	DISASSEMBLE UNIT PER PROCEDURES IN THE O.H.M	*00006623450010017O*	JUN 15 2006	AARLG 345
200	CLEAN UNIT PER PROCEDURES IN THE O.H.M	*00006623450020017O*	JUN 15 2006	AARLG 345
300	VISUAL CHECK PARTS FOR CRACKS, GAUGES, CORROSION, THREAD WEAR, CROSS THREADING, CONDITION OF PLATED SURFACES AND WEAR TOLERANCES.	*00006623450030015O*	JUN 16 2006	AARLG 167 QC
400	CHASE DAMAGE THREADS, REPLACE PACKINGS, RETAINERS, SCRAPERS, BUSHINGS AND PARTS THAT DO NOT MEET INSPECTION REQUIREMENTS	*00006623450040015O*	JUN 16 2006	AARLG 345
500	INSPECT BARREL ASSY. SEE MANUAL 0.991/0.993 WORKING ID	*00006623450050015O*	JUN 16 2006	AARLG 167

APPROVED
JUL 20 2006

A/C TYPE:	DC8	**CUSTOMER:**	UNITED PARCEL SERVIC
P/NAME:	BUNGEE CYLINDER	**W/ORDER:**	344057
P/NUMBER	3895986-5002	**OHM/REV:**	32-4-5A / N/A
S/NUMBER	~~662345~~ UP 315 9A 7/14	**C.S.N.:**	N/A
L/LIMIT :	UNLIMITED	**TRACKING #:**	662345
FIG/ITEM:	SEE MTF	**MAT/HT TRT:**	N/A
SRV BL-1:	SEE ASSY	**SRV BL-3:**	SEE ASSY
SRV BL-2:	PROCEDURES	**SRV BL-4:**	PROCEDURES **BY:** ED 06/15/2006

PROCESS ROUTING

OPR #	OPERATION DESCRIPTION	BAR CODE	DATE	OPERATOR
600	PISTON HEAD ASSY. SEE MANUAL 0.987/0.9885 WORKING OD	*00006623450060015O*	JUN 16 2006	AARLG 167 QC
700	INSPECT ROD ASSY. SEE MANUAL 0.6215/0.623 WORKING OD	*00006623450070015O*	JUN 16 2006	AARLG 167 QC
800	FLUORESCENT-PENETRANT INSPECT GLGND P/N 4895987-1 IN ACCORDANCE WITH CHAPTER 13	*00006623450080014S*	JUN 19 2006	AAR 9 NDT
900	MAGNETICALLY INSPECT HEAD P/N 4895988-1 IN ACCORDANCE WITH CHAPTER 13	*00006623450090014O*	JUN 19 2006	AAR 9 NDT
1000	VAPOR DEGREASE	*00006623450100011O*	7-13	AAR LG 371 SHOP
1100	ASSEMBLE UNIT PER OVERHAUL MANUAL PROCEDURES.	*00006623450110012O*	7-13	AAR LG 371 SHOP

A/C TYPE:	DC8	**CUSTOMER:**	UNITED PARCEL SERVIC
P/NAME:	BUNGEE CYLINDER	**W/ORDER:**	344057
P/NUMBER	3895986-5002 7/14	**OHM/REV:**	32-4-5A / N/A
S/NUMBER	~~662345~~ UP 3159	**C.S.N.:**	N/A
L/LIMIT :	UNLIMITED	**TRACKING #:**	662345
FIG/ITEM:	SEE MTF	**MAT/HT TRT:**	N/A
SRV BL-1:	SEE ASSY	**SRV BL-3:**	SEE ASSY
SRV BL-2:	PROCEDURES	**SRV BL-4:**	PROCEDURES **BY:** ED 06/15/2006

PROCESS ROUTING

OPR #	OPERATION DESCRIPTION	BAR CODE	DATE	OPERATOR
1200	TEST UNIT PER OVERHAUL MANUAL PROCEDURES	*00006623450120O120*	JUL 11 2006	AARLGS 163 QC
1300	PRIME AND PAINT BARREL AND ROD ASSY AS REQUIRED.	*00006623450130O130*	7/3	AARLGS 371 STORES
1400	APPLY SEALANT AND SAFETYWIRE PER OHM	*00006623450140O190*	7/14	AARLGS 371 STORES
1500	FINAL INSPECT AND STOCK. VERIFY AD/SB COMPLIANCE	*00006623450150O155*	7/14	AARLGS 371 STORES

A/C:	DC8	**CUST:**	UNITED PARCEL SERVIC
P/N:	MLG LINK	**W/ORDER:**	343946
P/#:	5714918-1	**OHM/REV:**	32-1-9 / 46
S/#:	UPS4710 / DM142	**C.S.N.:**	N/A
L/L:	UNLIMITED	**TRACKING #:**	657175
REM:		**INSP:**	JGF 08/04/2006

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LOC	DESIGN DIMENSION	REWORK LIMIT	DIMENSION AS RECEIVED	DIMENSION AFTER RWK	CONDITION	DISPOSITION	OP	BUSHING DIMENSION	BUSHING P/N	PRESS FIT	BUSHING FLNG/OD
1A	.624	.704	0.687	0.687	OVERSIZED	O/S BUSHINGS	1700	.624	5714918-RS1	.001	0.688
1B	.6235		0.687	0.687	OVERSIZED	O/S BUSHINGS	1700	.6235	5714918-RS1	.001	0.688
2A	1.626 1.630	SEE 3A,3B	1.673 1.677	1.675	OVERSIZED	FLANGED BUSHINGS	1700	1.626 1.630	5714918-RS1		
2A1		COND.	ONLY		WITHIN DESIGN LIMITS	WITHIN OHM LIMITS	JUPEC	.030	5714918-RS1		0.024
2A2		COND.	ONLY		WITHIN DESIGN LIMITS	WITHIN OHM LIMITS	JUPEC	.030	5714918-RS1		0.024
3A	.250	.215	0.240	0.240	UNDERSIZED	FLANGED BUSHINGS	1700				
3B	.248		0.240	0.240	UNDERSIZED	FLANGED BUSHINGS	1700				
4A	.404	.480	0.413	0.413	WITHIN DESIGN LIMITS	WITHIN OHM LIMITS	JUPEC	.404	5714918-RS1	.001	WARNING
4B	.413		0.413	0.413	WITHIN DESIGN LIMITS	WITHIN OHM LIMITS	JUPEC	.413	5714918-RS2	.001	
5A	.482 .491	SUB. REQ.	0.484	0.484	WITHIN DESIGN LIMITS	WITHIN OHM LIMITS	JUPEC	.482 .491	5714918-RS4	.001	
6A	1.062	1.142	1.095	1.095	OVERSIZED	O/S BUSHINGS	1700	.8745 .8755	NOTE 1	.001 .002	1.096 1.096
7A	1.285 1.290	1.255	1.284	1.274	WITHIN DESIGN LIMITS	WITHIN OHM LIMITS	JUPEC	1.430 1.434			
7A1	FACES	COND.			LOCAL CORROSION	MACHINE	700	.070	2431215-140022		0.077 0.077
7A2		ONLY			LOCAL CORROSION	MACHINE	800	.070	2431215-G14A056		0.077 0.077
8A	.6245 .6255	.7045	0.695	0.696	OVERSIZED	O/S BUSHINGS	1700	.6245 .6255	5714918-RS3	.001	0.697 0.697

A/C:	DC8	**CUST:**	UNITED PARCEL SERVIC
P/N:	MLG LINK	**W/ORDER:**	343946
P/#:	5714918-1	**OHM/REV:**	32-1-9
S/#:	UPS4710 / DM142	**C.S.N.:**	N/A
L/L:	UNLIMITED	**TRACKING #:**	657175
REM:		**INSP:**	JUP 08/04/2006

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RAH 72 QC

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LOC	DESIGN DIMENSION	REWORK LIMIT	DIMENSION AS RECEIVED	DIMENSION AFTER RWK	CONDITION	DISPOSITION	OP	BUSHING DIMENSION	BUSHING P/N	PRESS FIT	BUSHING FLNG/OD
9	NOTE		COND. ONLY		SENSOR BRACKET ATTACH HOLES, AND CORROSION	POLISH TO REMOVE	1000				

FLAGNOTES

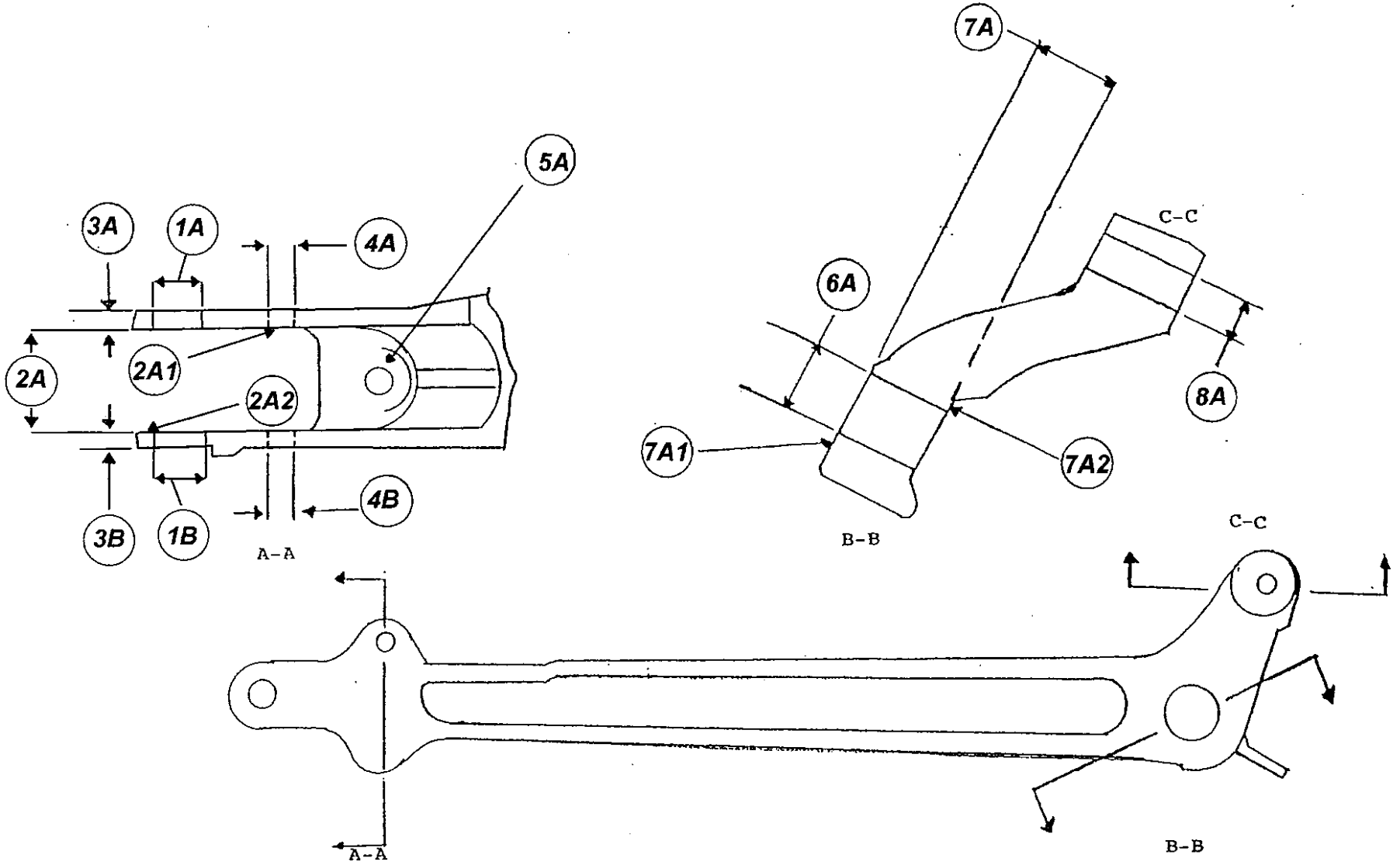
NOTE 1 BORE TAKES 2 BUSHINGS 2431215-14A022 (X1) AND 2431215-G 14A056 (X1)

PART NAME: DC8 MLG Torque Tube LINK
PART NUMBER: 5714918
O.H.M. CHAPTER: 32-1-9
MATERIAL: ALUMINUM

AAR LANDING GEAR SERVICES

EXCHANGE AND OVERHAUL

INSPECTION CONDITION REPORT



DRAWING 1 OF 1

A/C:	DC8	**CUST:**	UNITED PARCEL SERVIC
P/N:	MLG LINK	**W/ORDER:**	343590
P/#:	5714918-5	**OHM/REV:**	32-1-9 / 46
S/#:	UP35625 / DM111	**C.S.N.:**	N/A
L/L:	UNLIMITED	**TRACKING #:**	651527
REM:		**INSP:**	08/04/2006

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LOC	DESIGN DIMENSION	REWORK LIMIT	DIMENSION AS RECEIVED	DIMENSION AFTER RWK	CONDITION	DISPOSITION	OP	BUSHING DIMENSION	BUSHING P/N	PRESS FIT	BUSHING FLNG/OD
1A	.624	.704	0.668	0.688	OVERSIZED	REPAIR SLEEVE	1700	.624	5714918-RS1	.001	0.689
1B	.6235		0.668	0.688	OVERSIZED	REPAIR SLEEVE	1700	.6235	5714918-RS1	.001	0.689
2A	1.626 1.630	SEE 3A,3B	1.634	1.680	OVERSIZED	FLANGED BUSHINGS	1700	1.626 1.630	5714918-RS1		
2A1		COND.	ONLY		LOCAL CORROSION	MACHINE TO FLANGED	700	.030	5714918-RS1		0.026
2A2		COND.	ONLY		LOCAL CORROSION	MACHINE TO FLANGED	800	.030	5714918-RS1		0.026
3A	.250	.215	0.249	0.224	WITHIN DESIGN LIMITS	WITHIN OHM LIMITS	SYS02				
3B	.248		0.254	0.224	OVERSIZED	WITHIN OHM LIMITS	SYS02				
4A	.404	.480	0.454	0.454	OVERSIZED	REPAIR SLEEVE	1700	.404	5714918-RS1	.001	0.455
4B	.413		0.454	0.454	OVERSIZED	REPAIR SLEEVE	1700	.413	5714918-RS2	.001	0.455
5A	.482 .491	SUB. REQ.	0.482	0.482	WITHIN DESIGN LIMITS	WITHIN OHM LIMITS	SYS02	.482 .491	5714918-RS4	.001	
6A	1.062	1.142	1.123	1.123	OVERSIZED	O/S BUSHINGS	1700	.8745 .8755	NOTE 1	.001 .002	1.124 1.124
7A	1.285 1.290	1.255	1.279	1.279	UNDERSIZED	FLANGED BUSHINGS	1700	1.430 1.434			
7A1	FACES	COND.			WITHIN DESIGN LIMITS	WITHIN OHM LIMITS	SYS02	.070	2431215-140022		0.075 0.075
7A2		ONLY			WITHIN DESIGN LIMITS	WITHIN OHM LIMITS	SYS02	.070	2431215-G14A056		0.075 0.075
8A	.6245 .6255	.7045	0.704	0.704	TOOLMARKS AT EDGE	POLISH TO SOFTEN	1000	.6245 .6255	5714918-RS3	.001	0.705 0.705

A/C:	DC8	**CUST:**	UNITED PARCEL SERVIC
P/N:	MLG LINK	**W/ORDER:**	343590
P/#:	5714918-5	**OHM/REV:**	32-1-9 / 46
S/#:	UP35625 / DM111	**C.S.N.:**	N/A
L/L:	UNLIMITED	**TRACKING #:**	651527
REM:		**INSP:**	[illegible] 08/04/2006

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9	NOTE		COND. ONLY		-EXTERNAL SURFACES- TOOLMARK	POLISH TO SOFTEN	1000				

FLAGNOTES

NOTE 1 BORE TAKES 2 BUSHINGS 2431215-14A022 (X1) AND 2431215-G 14A056 (X1)

PART NAME: DC8 MLG Torque Tube LINK
PART NUMBER: 5714918
O.H.M. CHAPTER: 32-1-9
MATERIAL: ALUMINUM

AAR LANDING GEAR SERVICES

EXCHANGE AND OVERHAUL

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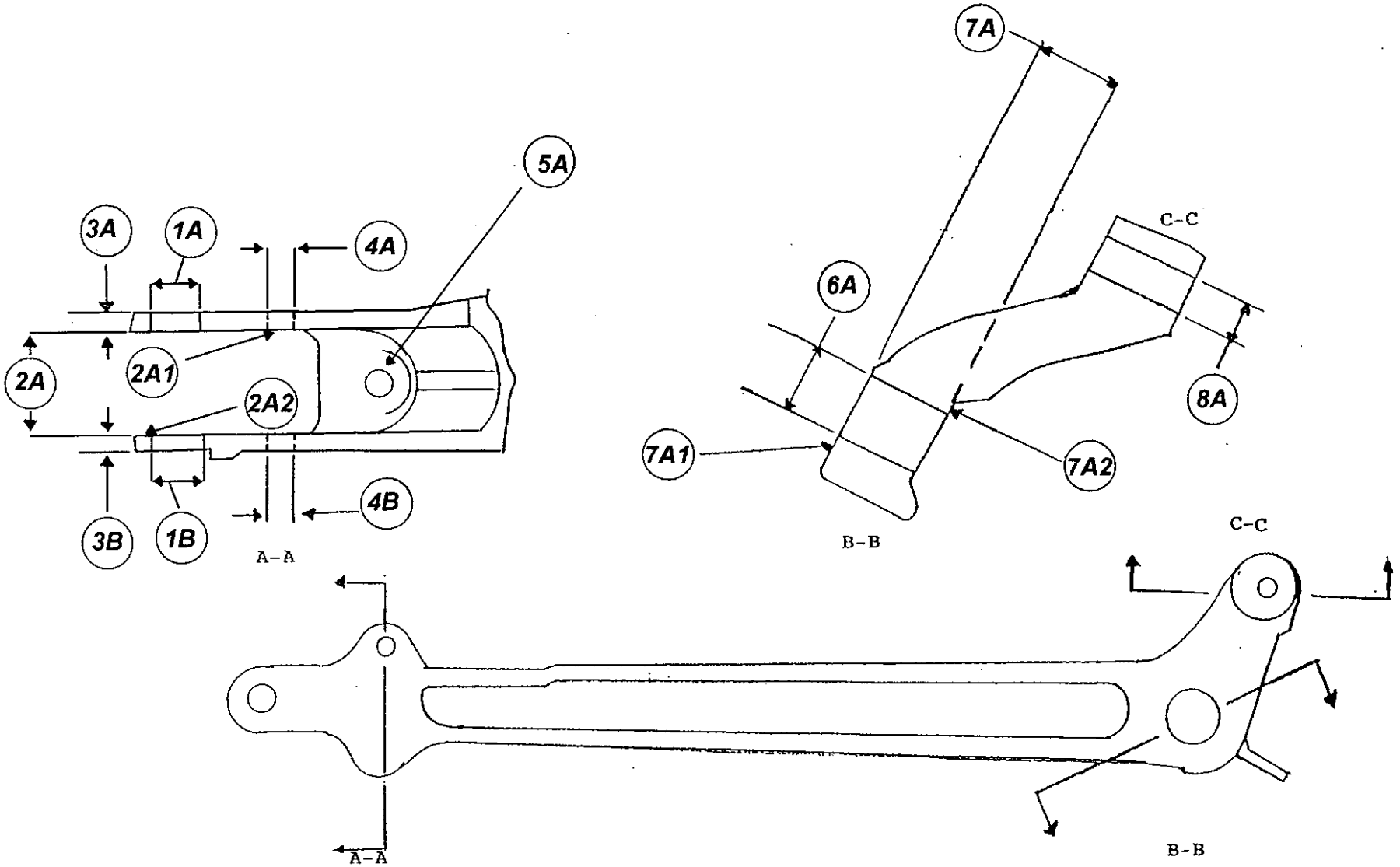

DRAWING 1 OF 1

A/C:	DC8	**CUST:**	UNITED PARCEL SERVIC
P/N:	LINK	**W/ORDER:**	343946
P/#:	5715358-2	**OHM/REV:**	32-1-9 / 46
S/#:	UPS4710	**C.S.N.:**	N/A
L/L:	UNLIMITED	**TRACKING #:**	657187
REM:		**INSP:**	08/04/2006

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LOC	DESIGN DIMENSION	REWORK LIMIT	DIMENSION AS RECEIVED	DIMENSION AFTER RWK	CONDITION	DISPOSITION	OP	BUSHING DIMENSION	BUSHING P/N	PRESS FIT	BUSHING FLNG/OD
1A	1.0620	1.142	1.063	1.063	WITHIN DESIGN LIMITS	WITHIN OHM LIMITS	JV	.8745	2431215-14A014	.001	1.064
1B	1.0635		1.063	1.063	WITHIN DESIGN LIMITS	WITHIN OHM LIMITS	JV	.8755	2431215-14A014	.001	1.064
2A	.495 .505		0.498	0.498	WITHIN DESIGN LIMITS	WITHIN OHM LIMITS	JV	.624 ± .005	2431215-14A014		
2A1	FACES	COND.			WITHIN DESIGN LIMITS	WITHIN OHM LIMITS	JV	.060	2431215-14A014		0.062
2A2		ONLY			TOOLMARKS	POLISH TO SOFTEN	700	.060	2431215-14A014		0.062
3A	1.062	1.142	1.078	1.078	TOOLMARKS	POLISH TO SOFTEN	700	.8745	2431215-14A044	.001	1.079
3B	1.0635		1.078	1.078	TOOLMARKS	POLISH TO SOFTEN	700	.8755	2431215-14A044	.001	1.079
4A	1.490 1.495		1.491 1.494	1.492	WITHIN DESIGN LIMITS	WITHIN OHM LIMITS	JV	1.619 ± .005	2431215-14A044		
4A1	FACES	COND.			WITHIN DESIGN LIMITS	WITHIN OHM LIMITS	JV	.060	2431215-14A044		0.063
4A2		ONLY			WITHIN DESIGN LIMITS	WITHIN OHM LIMITS	JV	.060	2431215-14A044		0.063
5A	.406	.486	0.417	0.417	WITHIN DESIGN LIMITS	WITHIN OHM LIMITS	JV	.406	5715358-RS1	.001	WARNING
5B	.422		0.417	0.417	WITHIN DESIGN LIMITS	WITHIN OHM LIMITS	JV	.422	5715358-RS1	.001	

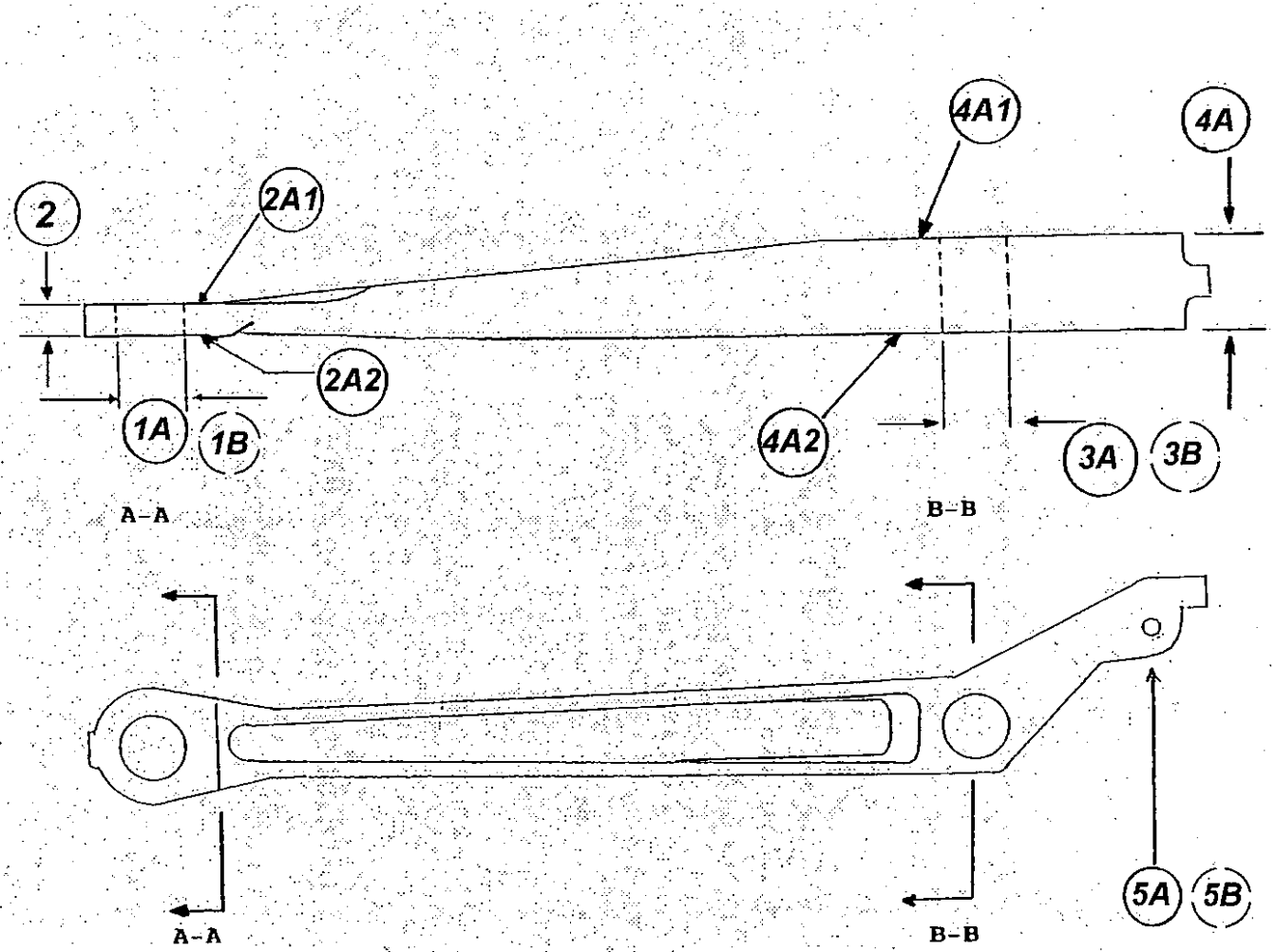
FLAGNOTES

PART NAME: DC8 MLG Torque Tube LINK
PART NUMBER: 5715358
O.H.M. CHAPTER: 32-1-9
MATERIAL: ALUMINUM

AAR LANDING GEAR SERVICES

EXCHANGE AND OVERHAUL

INSPECTION CONDITION REPORT



A/C:	DC8	**CUST:**	UNITED PARCEL SERVIC
P/N:	LINK	**W/ORDER:**	343946
P/#:	5715358-1	**OHM/REV:**	32-1-9 / 46
S/#:	UPS4710/WGF113	**C.S.N.:**	N/A
L/L:	UNLIMITED	**TRACKING #:**	657186
REM:		**INSP:**	08/04/2006

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LOC	DESIGN DIMENSION	REWORK LIMIT	DIMENSION AS RECEIVED	DIMENSION AFTER RWK	CONDITION	DISPOSITION	OP	BUSHING DIMENSION	BUSHING P/N	PRESS FIT	BUSHING FLNG/OD
1A	1.0620	1.142	1.063	1.063	WITHIN DESIGN LIMITS	WITHIN OHM LIMITS	JV	.8745	2431215-14A014	.001	1.064
1B	1.0635		1.063	1.063	WITHIN DESIGN LIMITS	WITHIN OHM LIMITS	JV	.8755	2431215-14A014	.001	1.064
2A	.495 .505		0.495	0.495	WITHIN DESIGN LIMITS	WITHIN OHM LIMITS	JV	.624 ± .005	2431215-14A014		
2A1	FACES	COND.			WEARMARKS AND TOOLMARKS	POLISH TO SOFTEN	700	.060	2431215-14A014		0.064
2A2		ONLY			WEARMARKS AND TOOLMARKS	POLISH TO SOFTEN	700	.060	2431215-14A014		0.064
3A	1.062	1.142	1.063	1.063	WITHIN DESIGN LIMITS	WITHIN OHM LIMITS	JV	.8745	2431215-14A044	.001	1.064
3B	1.0635		1.063	1.063	WITHIN DESIGN LIMITS	WITHIN OHM LIMITS	JV	.8755	2431215-14A044	.001	1.064
4A	1.490 1.495		1.491	1.491	WITHIN DESIGN LIMITS	WITHIN OHM LIMITS	JV	1.619 ± .005	2431215-14A044		
4A1	FACES	COND.			WITHIN DESIGN LIMITS	WITHIN OHM LIMITS	JV	.060	2431215-14A044		0.063
4A2		ONLY			WITHIN DESIGN LIMITS	WITHIN OHM LIMITS	JV	.060	2431215-14A044		0.063
5A	.406	.486	0.415	0.415	WITHIN DESIGN LIMITS	WITHIN OHM LIMITS	JV	.406	5715358-RS1	.001	WARNING
5B	.422		0.415	0.415	WITHIN DESIGN LIMITS	WITHIN OHM LIMITS	JV	.422	5715358-RS1	.001	

FLAGNOTES

PART NAME: DC8 MLG Torque Tube LINK
PART NUMBER: 5715358
O.H.M. CHAPTER: 32-1-9
MATERIAL: ALUMINUM

AAR LANDING GEAR SERVICES

EXCHANGE AND OVERHAUL

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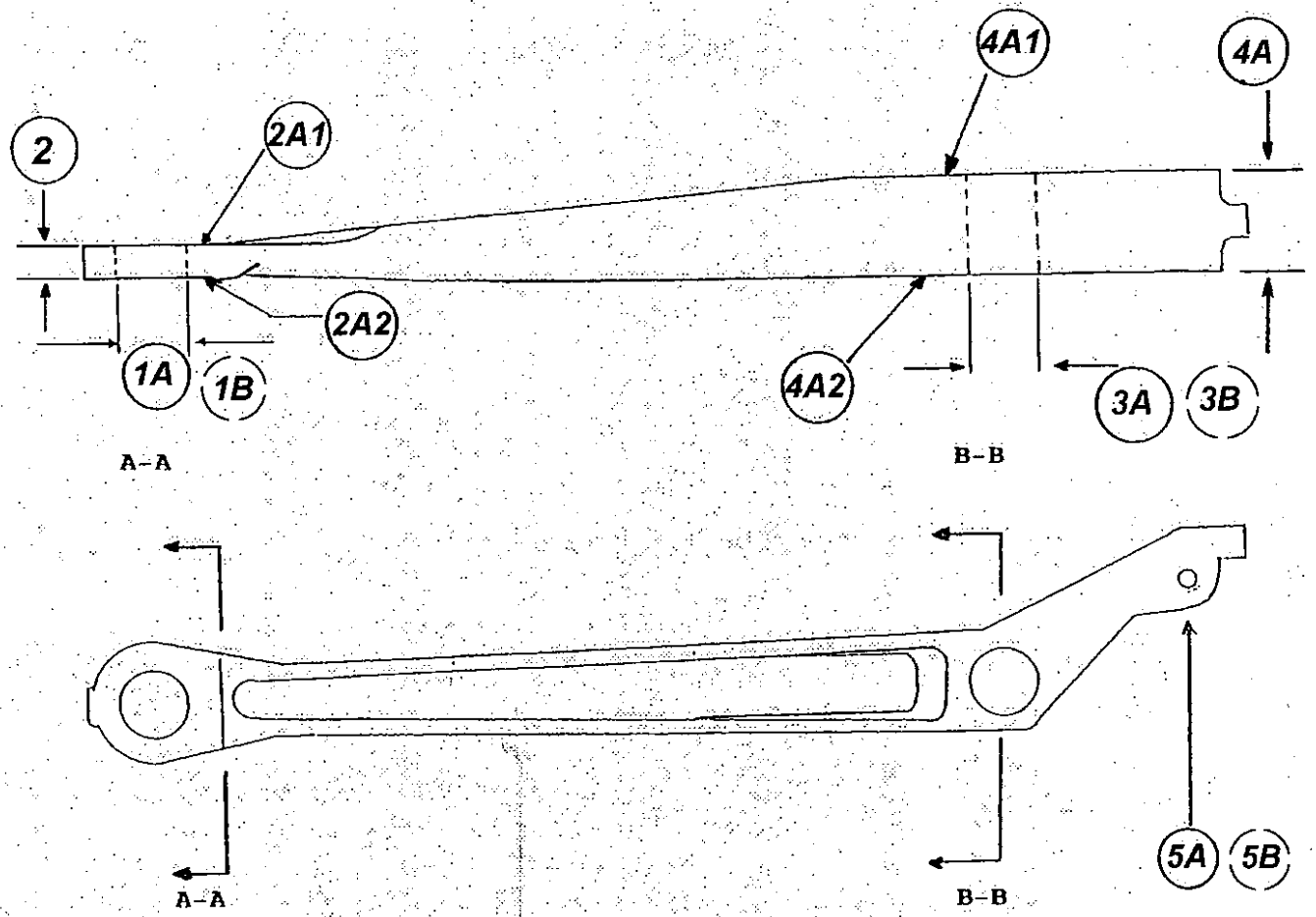

DRAWING 1 OF 1

A/C:	DC8	**CUST:**	UNITED PARCEL SERVIC
P/N:	TORQUE TUBE	**W/ORDER:**	343946
P/#:	5718934-501	**OHM/REV:**	32-1-9 / 46
S/#:	UPS5732 /W10749-1	**C.S.N.:**	N/A
L/L:	UNLIMITED	**TRACKING #:**	657195
REM:	SUB AAG-MIA-06-224C	**INSP:**	08/04/2006

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LOC	DESIGN DIMENSION	REWORK LIMIT	DIMENSION AS RECEIVED	DIMENSION AFTER RWK	CONDITION	DISPOSITION	OP	BUSHING DIMENSION	BUSHING P/N	PRESS FIT	BUSHING FLNG/OD
A	3.4950 3.5000	3.4750	3.495 3.496	3.481	CHROME BREAK	STRIP	700				
1A	0.5000	REFER TO	0.501	0.502	WITHIN DESIGN LIMITS	WITHIN OHM LIMITS	CVALE	.500	5718934-R1	.001	
1B	0.5010	OHM	0.501	0.502	WITHIN DESIGN LIMITS	WITHIN OHM LIMITS	CVALE	.501	5718934-R1	.001	
2A	0.6245	0.7051	0.725	0.725	OVERSIZED	REPAIR SLEEVE	2500	.6245	5718934-R2	.001	0.726
2B	0.6255		0.725	0.725	OVERSIZED	REPAIR SLEEVE	2500	.6255	5718934-R2	.001	0.726
3A	4.7400 4.7500	REFER TO OHM	4.617	4.619	UNDERSIZED	FLANGED BUSHINGS SUBMITTAL	2500	4.740 4.750	5718934-R2		
3A1	FACES	REFER TO	COND.		WITHIN DESIGN LIMITS	WITHIN OHM LIMITS	CVALE	.030	5718934-R2		0.060
3A2		OHM	ONLY		WITHIN DESIGN LIMITS	WITHIN OHM LIMITS	CVALE	.030	5718934-R2		0.060
4A	2.000-8UN NOTE 4	NOTE 5 &6	MD:1.881 PD:1.939		WITHIN DESIGN LIMITS	WITHIN OHM LIMITS	CVALE				
5A	2.0335 2.0343	2.0935	2.035	2.089	LOCAL CORROSION	MACHINE TO SLEEVES	1300	2.0335 2.0343	5718934-R5	.002	2.091 2.091
6A	3.5530 3.5730	REFER TO OHM	3.564		WITHIN DESIGN LIMITS	WITHIN OHM LIMITS	CVALE				
7A	NOTE 2	2.3140	2.313	2.315	OVERSIZED	REPAIR SLEEVE	2500	2.252	NOTE 3	.002	2.317
7B			2.313	2.315	OVERSIZED	REPAIR SLEEVE	2500	2.254	NOTE 3	.002	2.317
8A	0.5900 0.5950	0.560	0.591		WITHIN DESIGN LIMITS	WITHIN OHM LIMITS	CVALE		NOTE 7		
8B	0.5880 0.5920	0.560	0.588		WITHIN DESIGN LIMITS	WITHIN OHM LIMITS	CVALE		NOTE 7		
9A	3.1920 3.1940	REFER TO 8A & 8B	3.200	3.200	OVERSIZED	FLASH NICKEL	3300				

A/C:	DC8	**CUST:**	UNITED PARCEL SERVIC
P/N:	TORQUE TUBE	**W/ORDER:**	343946
P/#:	5718934-501	**OHM/REV:**	32-1-9 / 46
S/#:	UPS5732 /W10749-1	**C.S.N.:**	N/A
L/L:	UNLIMITED	**TRACKING #:**	657195
REM:	SUB AAG-MIA-06-224C	**INSP:**	CVA 08/04/2006

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9A1	FACES	REFER TO	COND.		WITHIN DESIGN LIMITS	WITHIN OHM LIMITS	CVALE				
9A2		8A & 8B	ONLY		WITHIN DESIGN LIMITS	WITHIN OHM LIMITS	CVALE				
9B	4.3750	REFER TO	4.375		WITHIN DESIGN LIMITS	WITHIN OHM LIMITS	CVALE				
	4.3800	8A & 8B	4.379								
9B1	FACES	REFER TO	COND.		WITHIN DESIGN LIMITS	WITHIN OHM LIMITS	CVALE				
9B2		8A & 8B	ONLY		WITHIN DESIGN LIMITS	WITHIN OHM LIMITS	CVALE				
10A	0.5000	0.5620	----------	0.557	SLEEVE INSTALLED	MACHINE TO REMOVE	1200	.500	5718934-R10	.001	0.558
10B	0.5050		0.504	0.557	WITHIN DESIGN LIMITS	WITHIN OHM LIMITS	CVALE	.505	5718934-R10	.001	0.558
11A	0.187	0.177	0.187		WITHIN DESIGN LIMITS	WITHIN OHM LIMITS	CVALE				
11B	0.187	0.177	0.187		WITHIN DESIGN LIMITS	WITHIN OHM LIMITS	CVALE				
11A1	FACES	REFER TO	COND.		WITHIN DESIGN LIMITS	WITHIN OHM LIMITS	CVALE				
11A2		OHM	ONLY		WITHIN DESIGN LIMITS	WITHIN OHM LIMITS	CVALE				
11B1	FACES	REFER TO	COND.		WITHIN DESIGN LIMITS	WITHIN OHM LIMITS	CVALE				
11B2		OHM	ONLY		WITHIN DESIGN LIMITS	WITHIN OHM LIMITS	CVALE				
12A	0.9540	REFER TO	0.959		WITHIN DESIGN LIMITS	WITHIN OHM LIMITS	CVALE				
	0.9590	OHM									
13A	0.2500	REFER TO	0.252		WITHIN DESIGN LIMITS	WITHIN OHM LIMITS	CVALE	.250	5718934-R13	.001	
13B	0.2550	OHM	0.252		WITHIN DESIGN LIMITS	WITHIN OHM LIMITS	CVALE	.255	5718934-R13	.001	
13C	0.2500	REFER TO	0.252		WITHIN DESIGN LIMITS	WITHIN OHM LIMITS	CVALE	.250	5718934-R13	.001	
13D	0.2550	OHM	0.255		WITHIN DESIGN LIMITS	WITHIN OHM LIMITS	CVALE	.255	5718934-R13	.001	
14A	0.1770	REFER TO	0.183		WITHIN DESIGN LIMITS	WITHIN OHM LIMITS	CVALE				
14B	0.1970	OHM	0.183		WITHIN DESIGN LIMITS	WITHIN OHM LIMITS	CVALE				
14C	0.1770	REFER TO	0.180		WITHIN DESIGN LIMITS	WITHIN OHM LIMITS	CVALE				
14D	0.1970	OHM	0.183		WITHIN DESIGN LIMITS	WITHIN OHM LIMITS	CVALE				

A/C:	DC8	**CUST:**	UNITED PARCEL SERVIC		
P/N:	TORQUE TUBE	**W/ORDER:**	343946		
P/#:	5718934-501	**OHM/REV:**	32-1-9	/	46
S/#:	UPS5732 /W10749-1	**C.S.N.:**	N/A		
L/L:	UNLIMITED	**TRACKING #:**	657195		
REM:	SUB AAG-MIA-06-224C			**INSP:**	CVA 08/04/2006

AAR 72 O/C

AAR LANDING GEAR SERVICES
a division of AAR Airframe & Accessories Group, Inc.
Exchange & Overhaul

ICR Chart
Inspection Condition Report
Page No: 3
FORM 1002-01 Rev 01 (07/28/1999)

LOC	DESIGN DIMENSION	REWORK LIMIT	DIMENSION AS RECEIVED	DIMENSION AFTER RWK	CONDITION	DISPOSITION	OP	BUSHING DIMENSION	BUSHING P/N	PRESS FIT	BUSHING FLNG/OD
14A1	FACES	REFER TO	COND.		WITHIN DESIGN LIMITS	WITHIN OHM LIMITS	CVALE				
14A2		OHM	ONLY		WITHIN DESIGN LIMITS	WITHIN OHM LIMITS	CVALE				
14B1	FACES	REFER TO	COND.		WITHIN DESIGN LIMITS	WITHIN OHM LIMITS	CVALE				
14B2		OHM	ONLY		WITHIN DESIGN LIMITS	WITHIN OHM LIMITS	CVALE				
14C1	FACES	REFER TO	COND.		WITHIN DESIGN LIMITS	WITHIN OHM LIMITS	CVALE				
14C2		OHM	ONLY		WITHIN DESIGN LIMITS	WITHIN OHM LIMITS	CVALE				
14D1	FACES	REFER TO	COND.		WITHIN DESIGN LIMITS	WITHIN OHM LIMITS	CVALE				
14D2		OHM	ONLY		WITHIN DESIGN LIMITS	WITHIN OHM LIMITS	CVALE				
15A	0.6980	REFER TO	0.703		WITHIN DESIGN LIMITS	WITHIN OHM LIMITS	CVALE				
15B	0.7030	OHM	0.703		WITHIN DESIGN LIMITS	WITHIN OHM LIMITS	CVALE				
16A	NOTE 1	--------	0.173 0.178		P/N: 5718934	WITHIN OHM LIMITS	CVALE				
17A	O.D.		COND. ONLY.		EXTERNAL THREADS AND GRIP FA RUST	POLISH TO CLEAN UP	1500				

FLAGNOTES

NOTE 0

NOTE 1 WALL THICKNESS TO BE OBTAINED FOR IDENTIFICATION PURPOSES:
0.1675/0.1775 FOR 5718934; 0.2280/0.2490 FOR 5759271; 0.1390/0.1490
FOR 5641867.

A/C:	DC8	**CUST:**	UNITED PARCEL SERVIC
P/N:	TORQUE TUBE	**W/ORDER:**	343946
P/#:	5718934-501	**OHM/REV:**	32-1-9 / 46
S/#:	UPS5732 /W10749-1	**C.S.N.:**	N/A
L/L:	UNLIMITED	**TRACKING #:**	657195
REM:	SUB AAG-MIA-06-224C	**INSP:**	4

AAR LANDING GEAR SERVICES
a division of AAR Airframe & Accessories Group, Inc.
Exchange & Overhaul

ICR Chart
Inspection Condition Report

FORM 1002-01 Rev 01 (07/28/1999)

FLAGNOTES

NOTE 2 2.252/2.254 DIAMETER FOR 5718934 (REWORK LIMIT 2.314).
2.312/2.313 DIAMETER FOR 5718934-501 (SUBMIT TO DAC FOR REWORK).

NOTE 3 5718934 DOES NOT REQUIRE BUSHINGS. 5718934-501 REQUIRES THE USE OF BUSHINGS 4758681-1 AND 4758681-501.

NOTE 4 DESIGN: 2.000-8UNJ-3B
MINOR: 1.8783/1.8835
PITCH: 1.939/1.947

STANDARD BOLT PN:3771417
MAJOR DIA.:1.995-2.000
PITCH DIA.:1.9387-1.9393
MINOR DIA.:1.847-1.852
RELIEF DIA.:1.830-1.840

NOTE 5 1ST.)1/32 O/S 2.031-8UNJ-3B
RWK. MAJOR DIA.:2.0625-2.071
PITCH DIA.:1.970-1.977
MINOR DIA.:1.909-1.914
RELIEF DIA.:2.075-2.080

MANUFACTURE A BOLT PN:3771417 FOR THREADS 2.031-8UNJ-3A
MAJOR DIA.:2.026-2.031
PITCH DIA.:1.970-1.9706
MN.DIA.:1.878-1.883 R/DIA.1.860-1.870

NOTE 6 2ND.)1/16 O/S 2.062-8UNJ-3B
MJ.DIA.:2.0935-2.102
P.DIA.:2.002-2.009
MINOR DIA.:1.940-1.9455
REL.DIA.:2.105-2.115

MANUFACTURE A BOLT PN:3771477 FOR THREADS 2.062-8UNJ-3A
MJ.DIA.:2.058-2.063
P.DIA.:2.0012-2.0018
MN.DIA.:1.910-1.915 R/DIA:1.905-1.895

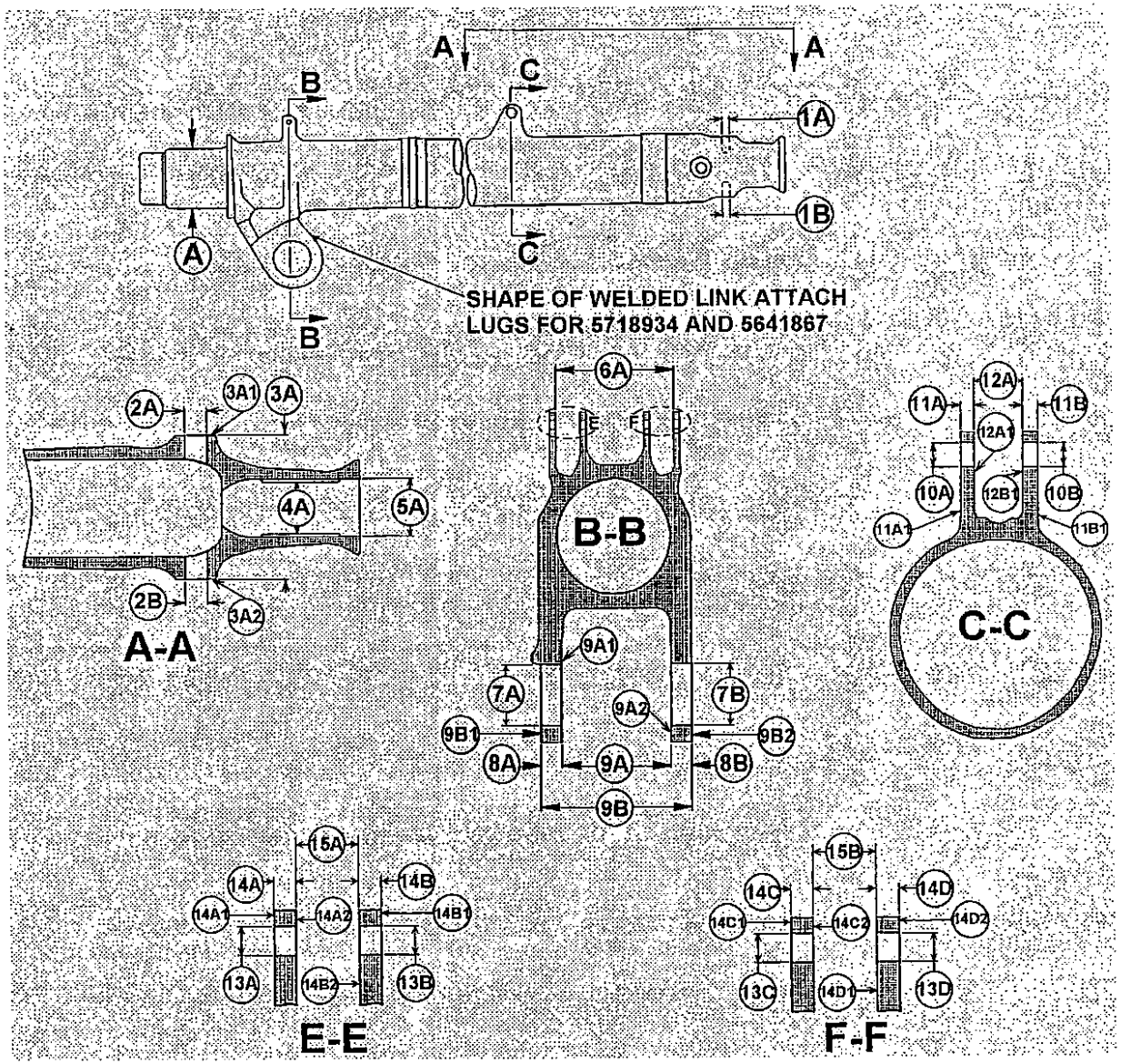
NOTE 7 FLANGE BUSHINGS (IF MATERIAL REMOVED .015 PER FACE THAN FABRICATE O/S FLANGE FOR MACHINE TO DESIGN)

PART NAME: DC8 MLG TORQUE TUBE
PART NUMBER: 5718934
O.H.M. CHAPTER: 32-1-9

AAR LANDING GEAR SERVICES

EXCHANGE AND OVERHAUL

INSPECTION CONDITION REPORT



DRAWING 1 OF 1

A/C:	DC8	**CUST:**	UNITED PARCEL SERVIC
P/N:	LINK-WELDED	**W/ORDER:**	343946
P/#:	5888300-2	**OHM/REV:**	32-1-9 / 46
S/#:	1474	**C.S.N.:**	N/A
L/L:	UNLIMITED	**TRACKING #:**	657182
REM:		**INSP:**	RHE 08/04/2006

72 O/C

AAR LANDING GEAR SERVICES
a division of AAR Airframe & Accessories Group, Inc.
Exchange & Overhaul

ICR Chart
Inspection Condition Report
Page No: 1
FORM 1002-01 Rev 01 (07/28/1999)

LOC	DESIGN DIMENSION	REWORK LIMIT	DIMENSION AS RECEIVED	DIMENSION AFTER RWK	CONDITION	DISPOSITION	OP	BUSHING DIMENSION	BUSHING P/N	PRESS FIT	BUSHING FLNG/OD
A	.360 .390	NOTE 1	0.363	0.363	WITHIN DESIGN LIMITS	WITHIN OHM LIMITS	RHENA				
B	2.781 2.844	NOTE 1	2.825	2.825	WITHIN DESIGN LIMITS	WITHIN OHM LIMITS	RHENA				
C	.535 .565	NOTE 1	0.565	0.565	WITHIN DESIGN LIMITS	WITHIN OHM LIMITS	RHENA				
D1	.483	NOTE 1	0.485	0.485	WITHIN DESIGN LIMITS	WITHIN OHM LIMITS	RHENA				
D2	.493		0.485	0.485	WITHIN DESIGN LIMITS	WITHIN OHM LIMITS	RHENA				
E1	.531	NOTE 1	0.575	0.575	WITHIN DESIGN LIMITS	WITHIN OHM LIMITS	RHENA				
E2	.594		0.565	0.565	WITHIN DESIGN LIMITS	WITHIN OHM LIMITS	RHENA				
F1	3.735	NOTE 1	3.760	3.760	WITHIN DESIGN LIMITS	WITHIN OHM LIMITS	RHENA				
F2	3.765		3.760	3.760	WITHIN DESIGN LIMITS	WITHIN OHM LIMITS	RHENA				
G	STOP TAB SQUARE SHP	NOTE 1	COND. ONLY		WITHIN DESIGN LIMITS	WITHIN OHM LIMITS	RHENA				
1A	2.5038		2.505	2.506	WITHIN DESIGN LIMITS	WITHIN OHM LIMITS	RHENA	2.2521	4649495	.002	2.508
1B	2.5052		2.505	2.506	WITHIN DESIGN LIMITS	WITHIN OHM LIMITS	RHENA	2.2565	4649495	.002	2.508
2A	2.940 2.936		2.936	2.936	WITHIN DESIGN LIMITS	WITHIN OHM LIMITS	RHENA	3.186 3.190	4649495		
2A1	FACES	COND.			WITHIN DESIGN LIMITS	WITHIN OHM LIMITS	RHENA	.125	4649495		0.124
2A2		ONLY			WITHIN DESIGN LIMITS	WITHIN OHM LIMITS	RHENA	.125	4649495		0.124
3A	.745		0.748	0.748	WITHIN DESIGN LIMITS	WITHIN OHM LIMITS	RHENA				
3B	.755		0.750	0.750	WITHIN DESIGN LIMITS	WITHIN OHM LIMITS	RHENA				
3A1	FACES		COND.		WITHIN DESIGN LIMITS	WITHIN OHM LIMITS	RHENA				
3B1			ONLY		WITHIN DESIGN LIMITS	WITHIN OHM LIMITS	RHENA				

A/C:	DC8	**CUST:**	UNITED PARCEL SERVIC
P/N:	LINK-WELDED	**W/ORDER:**	343946
P/#:	5888300-2	**OHM/REV:**	32-1-9 / 46
S/#:	1474	**C.S.N.:**	N/A
L/L:	UNLIMITED	**TRACKING #:**	657182
REM:		**INSP:**	RHE 72 08/04/2006

AAR LANDING GEAR SERVICES
a division of AAR Airframe & Accessories Group, Inc.
Exchange & Overhaul

ICR Chart
Inspection Condition Report

FORM 1002-01 Rev 01 (07/28/1999)

LOC	DESIGN DIMENSION	REWORK LIMIT	DIMENSION AS RECEIVED	DIMENSION AFTER RWK	CONDITION	DISPOSITION	OP	BUSHING DIMENSION	BUSHING P/N	PRESS FIT	BUSHING FLNG/OD
4A	2.9995	3.062	3.0015	3.0015	WITHIN DESIGN LIMITS	WITHIN OHM LIMITS	RHENA	2.9995	5888300-R4	.002	
4B	3.0015		3.0015	3.0015	WITHIN DESIGN LIMITS	WITHIN OHM LIMITS	RHENA	3.0015	5888300-R4	.002	
5A	5.254 5.258		5.254 5.258	5.254	WITHIN DESIGN LIMITS	WITHIN OHM LIMITS	RHENA				
5A1	FACES		COND.		WITHIN DESIGN LIMITS	WITHIN OHM LIMITS	RHENA				
5A2			ONLY		WITHIN DESIGN LIMITS	WITHIN OHM LIMITS	RHENA				
6A	7.240 7.250		7.240 7.243	7.240	WITHIN DESIGN LIMITS	WITHIN OHM LIMITS	RHENA				
6A1	FACES		COND.		WITHIN DESIGN LIMITS	WITHIN OHM LIMITS	RHENA				
6A2			ONLY		WITHIN DESIGN LIMITS	WITHIN OHM LIMITS	RHENA				
7A	.6255	0.704	0.626	0.688	LOCAL CORROSION	MACHINE	900	.626	5888300-R7	.002	0.690
7B	.6265		0.626	0.688	LOCAL CORROSION	MACHINE	900	.630	5888300-R7	.002	0.690
8A	6.615 6.635		6.630	6.630	WITHIN DESIGN LIMITS	WITHIN OHM LIMITS	RHENA				
8A1	FACES		COND.		WITHIN DESIGN LIMITS	WITHIN OHM LIMITS	RHENA				
8A2			ONLY		WITHIN DESIGN LIMITS	WITHIN OHM LIMITS	RHENA				
9A	.615		0.631	0.631	WITHIN DESIGN LIMITS	WITHIN OHM LIMITS	RHENA				
9B	.635		0.627	0.627	WITHIN DESIGN LIMITS	WITHIN OHM LIMITS	RHENA				
9A1	FACES		COND.		WITHIN DESIGN LIMITS	WITHIN OHM LIMITS	RHENA				
9B1			ONLY		WITHIN DESIGN LIMITS	WITHIN OHM LIMITS	RHENA				
10A	O.D.		COND. ONLY		WITHIN DESIGN LIMITS	WITHIN OHM LIMITS	RHENA				
11A	DRIVESCREW INSTALLED?		(X)YES ( )NO	( )YES	WITHIN DESIGN LIMITS	WITHIN OHM LIMITS	RHENA		MS21318-53		

A/C:	DC8	**CUST:**	UNITED PARCEL SERVIC
P/N:	LINK-WELDED	**W/ORDER:**	343946
P/#:	5888300-2	**OHM/REV:**	32-1-9 / 46
S/#:	1474	**C.S.N.:**	N/A
L/L:	UNLIMITED	**TRACKING #:**	657182
REM:		**INSP/C**	RHE 08/04/2006

AAR 72

AAR LANDING GEAR SERVICES
a division of AAR Airframe & Accessories Group, Inc.
Exchange & Overhaul

ICR Chart
Inspection Condition Report

FORM 1002-01 Rev 01 (07/28/1999)

LOC	DESIGN DIMENSION	REWORK LIMIT	DIMENSION AS RECEIVED	DIMENSION AFTER RWK	CONDITION	DISPOSITION	OP	BUSHING DIMENSION	BUSHING P/N	PRESS FIT	BUSHING FLNG/OD
12A	NOTES		----------		----------	----------					
13	VERIFY HAND	NOTED 2	( )LEFT (X)RIGHT		WITHIN DESIGN LIMITS	WITHIN OHM LIMITS	RHENP				

FLAGNOTES

NOTE 0 11/02/99 ICR CHANGED TO INCORPORATE NOTE (2)

NOTE 1 FOR IDENTIFICATION PURPOSES. IF OUT OF LIMITS, CONSIDER AS POSSIBLE MIS-ID AND CHECK DIMENSIONS OF 5641907, 5654769, AND 5758824 FOR A MATCH
NOTE: WHEN MEASURING DIMENSIONS D & E TAKE INTO ACCOUNT ADJACENT BORE SIZE

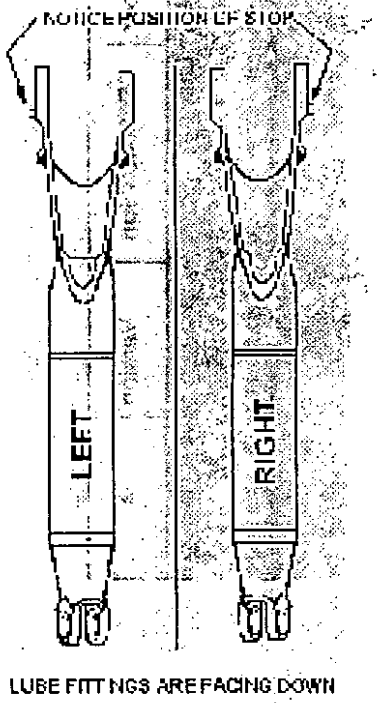
NOTE 2 INSPECT PART AGAINST ICR DRAWING TO VERIFY CORRECT ORIENTATION RECORD IF THE PART IS LH OR RH

PART NAME: DC8 MLG WELDED LINK
PART NUMBER: 5888300
O.H.M. CHAPTER: 32-1-9
MATERIAL: STEEL

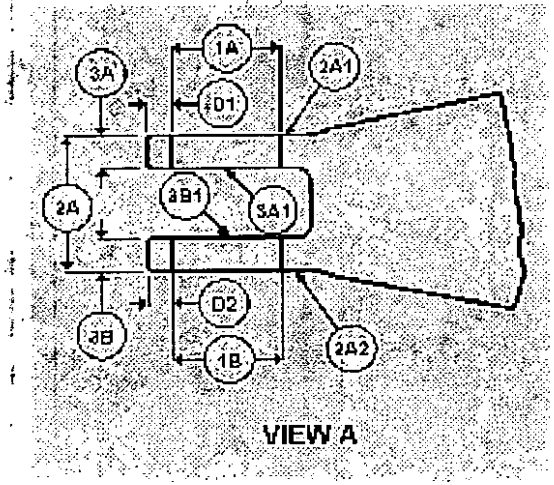
AAR LANDING GEAR SERVICES

EXCHANGE AND OVERHAUL

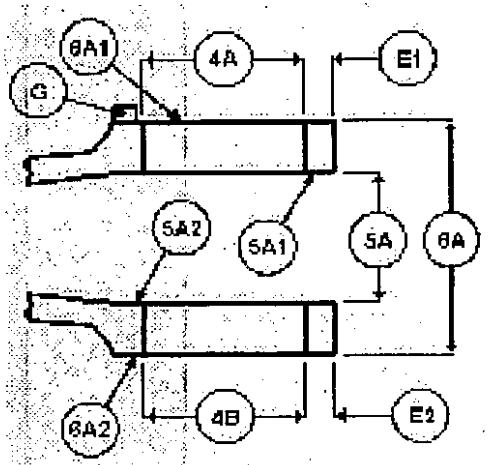
INSPECTION CONDITION REPORT



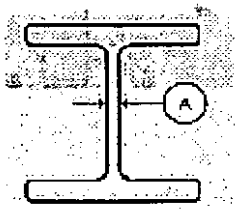
LUBE FITTINGS ARE FACING DOWN



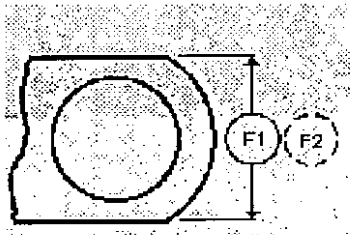
VIEW A



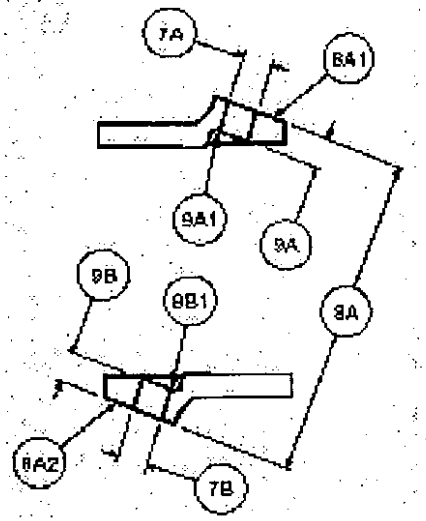
VIEW B



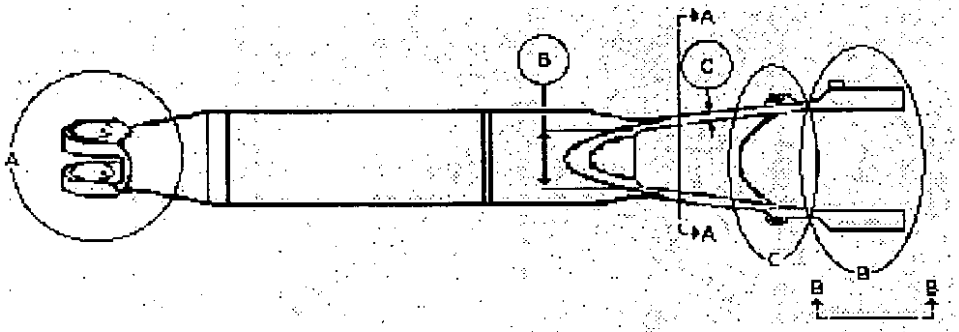
A - A



B - B



VIEW C



DRAWING 1 OF 1

REPAIR / ALTERATION AUTHORIZATION

NOTE: THIS AUTHORIZATION IS TO BE USED FOR MAJOR REPAIRS, MINOR REPAIRS, AND MINOR ALTERATIONS ONLY.

TITLE: DC-8:Repair to the Torque Tube Lock Link attach face.	**ENGINEERING FILE NUMBER:** C-32-20918	
	DATE: 6/16/2006	MAJOR REPAIR ☐
AIRCRAFT or COMPONENT P/N 5718934-501, S/N UPS5732/W10749-1		MINOR REPAIR ☑
		MINOR ALTERATION ☐

UPS AIRCRAFT ENGINEERING AUTHORIZES AAR Landing Gear Services TO ACCOMPLISH A REPAIR / ALTERATION IN ACCORDANCE WITH THE FOLLOWING DOCUMENT ON THE EFFECTIVE AIRCRAFT OR COMPONENT.

DOCUMENT	***DATE***	***ATA***
AAR submittal No. AAG-MIA-06-00224C	6/8/2006	3200-00
Boeing Message 1-200162314-2	6/15/2006	3200-00

R.O. NO./REFERENCES

NON-ROUTINE REFERENCES

COMMENTS

This RAA allows a repair to the Torque Tube Lock Link attach face.

Robert Buckley 6/16/06
AIRCRAFT ENGINEER (Signature)

ENGINEERING MANAGER
(For Major Repairs)

cc: UPS Aircraft Records

Form: 11-29-002 Date: 11-12-01

AAR LANDING GEAR SERVICES
QUALITY PROCEDURES

MAJOR / MINOR REPAIR DETERMINATION

SUBMITTAL No:	**AAG-MIA-06-00224C**	MANUFACTURER:	DOUGLAS
PART NUMBER:	5718934-501	SERIAL NUMBER:	UPS5732 / W10749-1
A/C MODEL:	DC8	WORK ORDER:	343946
PART NAME:	MLG Torque Tube	CUSTOMER:	UPS
DATE INITIATED:	6/8/2006	DATE COMPLETED:	6/15/2006

QUALITY ASSURANCE

Does this repair have any appreciable effect on the product's:

Weight	Y	(N)	Performance	Y	(N)
Balance	Y	(N)	Powerplant Operation	Y	(N)
Structural Strength	Y	(N)	Flight Characteristics	Y	(N)
Fatigue Life	Y	(N)	Occupants/Cargo	Y	(N)
Ground Handling	Y	(N)	Fire Protection	Y	(N)

Is the repair action consistent with the O.E.M. Technical Data? (Y) N

Is the repair action covered in the Manufacturer's Standard Practice Manual? (Y) N

We hereby certify that after evaluation the manufacturers response under the guidelines of FAR 43, Appendix A and FAR 1, Sec. 1.1 that the above repair has been incorporated and is classified as a:

MINOR REPAIR **X** MAJOR REPAIR* _____

TECHNICAL JUSTIFICATION: **Boeing Approval No.: 1-200162314-2**

*MAJOR REPAIRS

FAA Form 337 Completed by: **N/A**

Title: _____

Date: _____

Quality Assurance Signature: _____ Title: **Q.A.**

Quality Control Signature: _____ Title: **Q.C.**

AAR LANDING GEAR SERVICES
9371 N.W. 100 St. Miami, Florida 33178
Tel. (305) 887-4027 Fax. (305) 882-0772

dse.boecom@boeing.com

BOEING SERVICE ENGINEERING
CUSTOMER SUPPORT
LONG BEACH DIVISION (APPROVAL No. DACLA 96-173
FAX: (206) 766-5683

AIRCRAFT REGISTRATION NUMBER:N730UP

AAG-MIA-06-00224C	**Thursday, June 08, 2006**	
ATA: 3210-00	**MODEL: DC8-71 H**	
DESC: TORQUE TUBE	**P/N: 5718934-501**	**S/N:UPS5732/W10749-1**
W/O: 343946	**CUST: UNITED PARCEL SERVICE**	**OHM:32-1-9**

The subject component was reworked at the Lock Link attach face , beyond the limits of the OHM to remove defects. The post rework dimensions are as depicted on the attached drawing. The part has been NDT inspected per OHM 13-3-4, and shot peened per OHM 13-3-1 .

As a repair, we propose the following:

1.- Install flanged Bushings per 32-1-9

Please provide your approval.

Regards,

JESUS BANAL
Quality Control

Roger Cardenal

From: Roger Cardenal
Sent: Thursday, June 08, 2006 4:16 PM
To: Roger Cardenal
Subject: AAG-MIA-06-00224C

DWG
MIA-06-00224C.PDF

The following Technical In-Service Request was sent to Boeing.

Roger Candenal at AAG
roger.cardenal@aarcorp.com
305.887.4027 Ext. 211

REFERENCES: n/a

SUBJECT: AAG-MIA-06-00224C

MESSAGE TEXT: MODEL: DC8-71
DESC: MLG TORQUE TUBE
P/N: 5718934-501
S/N: UPS5732 /W10749-1
W/O: 343946
CUST: UNITED PARCEL SERVICE
OHM: 32-1-9

The subject component was reworked at the Lock Link attach face beyond the limits of the OHM to remove defects. The post rework dimensions are as depicted on the attached drawing. The part has been NDT inspected per OHM 13-3-4, and shot peened per OHM 13-3-1.

As a repair, we propose the following:

Install flanged bushings.
- Refinish per OHM 32-1-9

Please provide your approval.

Regards,

Roger Cardenal / Jesus Banal (Director of Quality Control)

ACTION REQUESTED: Repair approval.

DUE DATE: 15-JUN-06
INTERNAL MESSAGE NUMBER: AAG-MIA-06-00224C
CUSTOMER/OPERATOR: AAG
MODEL: DC-8-71
ATA: 3210-00
AIRPLANE: N730UP

When present, attachment names are listed below this line:

Attachment 1 : DWG AAG-MIA-06-00224C.PDF

TISR ID: 43800

Jun 08, 2006 13:15 PDT / Jun 08, 2006 20:15 GMT

DISCLAIMER:

IMPORTANT - This E-Mail is intended for the use of the individual or entity to which it is addressed, and may contain information that is privileged, confidential and exempt from disclosure under applicable law. If the reader of this E-mail is not the intended recipient, or the employee or agent responsible to deliver it to the intended recipient, you are hereby notified that reading, disseminating, distributing or copying this communication is strictly PROHIBITED. If you have received this communication in error, please immediately notify AAR CORP by e-mail and return the original message to us by e-mail. THANK YOU.

The following Technical In-Service Request was sent to Boeing.

Close

Roger Candenal at AAG
roger.cardenal@aarcorp.com
305.887.4027 Ext. 211

REFERENCES: n/a

SUBJECT: AAG-MIA-06-00224C

MESSAGE TEXT: MODEL: DC8-71 DESC: MLG TORQUE TUBE P/N: 5718934-501 S/N: UPS5732 /W10749-1 W/O: 343946 CUST: UNITED PARCEL SERVICE OHM: 32-1-9 The subject component was reworked at the Lock Link attach face beyond the limits of the OHM to remove defects. The post rework dimensions are as depicted on the attached drawing. The part has been NDT inspected per OHM 13-3-4, and shot peened per OHM 13-3-1. As a repair, we propose the following: Install flanged bushings. - Refinish per OHM 32-1-9 Please provide your approval. Regards, Roger Cardenal / Jesus Banal (Director of Quality Control)

ACTION REQUESTED: Repair approval.

DUE DATE: 15-JUN-06
INTERNAL MESSAGE NUMBER: AAG-MIA-06-00224C
CUSTOMER/OPERATOR: AAG
MODEL: DC-8-71
ATA: 3210-00
AIRPLANE: N730UP

When present, attachment names are listed below this line:

Attachment 1 : DWG AAG-MIA-06-00224C.PDF

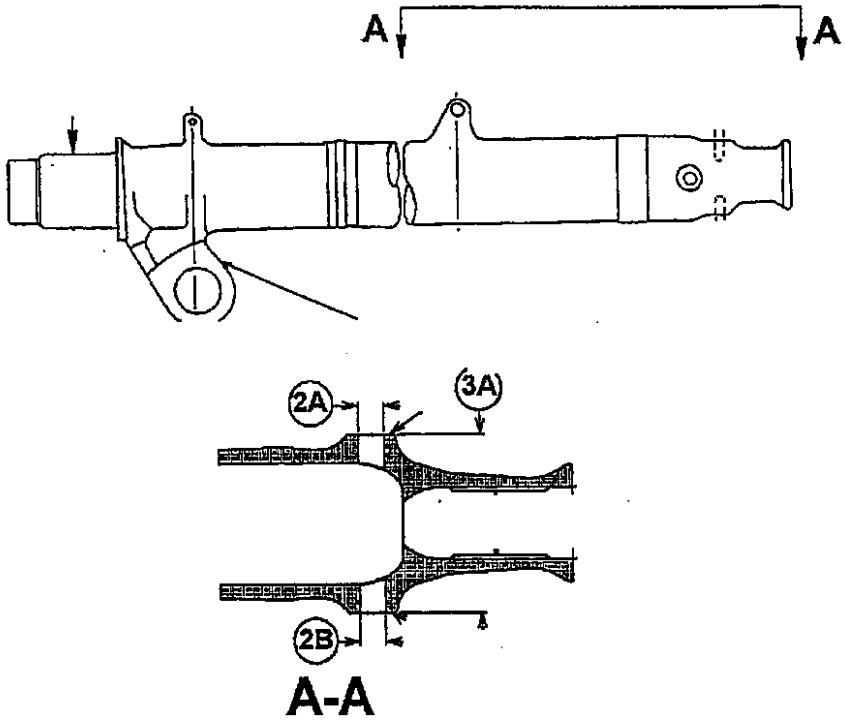
TISR ID: 43800

Jun 08, 2006 13:15 PDT / Jun 08, 2006 20:15 GMT

Close

AAR LANDING GEAR SERVICES
FAA APPROVED REPAIR STATION VQ4R605M

P/N: 5718934-501	S/N: UPS5732 / W10749-1	CUSTOMER: UPS	
DESCRIPTION: TORQUE TUBE		W / ORDER 343946	
TOTAL CYCLES:	QUALITY CONTROL: JESUS BANAL	HARDNESS:	DATE: 6/8/06



A-A

2a=0.725 2b=0.725 3a=4.619

SUBMITTAL No: aag-mia-06-224c	ENGINEERING:	DATE: 6/8/06	PAGE 1 OF 1

Roger Cardenal

From: BoeingAutoAcknowledgment@boeing.com
Sent: Thursday, June 08, 2006 4:17 PM
To: Roger Cardenal
Subject: AAG-MIA-06-00224C

FROM: THE BOEING COMPANY
TO: AAG 08-Jun-2006 13:16:18 US PACIFIC TIME
Customer Acknowledgement

Your message has been received. If a response has been requested, it will be provided on or before 15-Jun-2006. The Message Number is referenced in the Description below.

This message is sent to the following:

Roger Cardenal, at AAR Landing Gear Center

SERVICE REQUEST ID: 1-200162314
PRIORITY: Routine
ACCOUNT: AAR Landing Gear Center (AAG)
DUE DATE: 15-Jun-2006
PROJECT:
PRODUCT TYPE: Airplane
PRODUCT LINE: DC-8
PRODUCT: DC-8-71
ATA: 3210-00
PART NUMBER:

AIRPLANE (VARIABLE/SERIAL): /46030 REGISTRY: N730UP
HOURS/CYCLES:/

SUBJECT: AAG-MIA-06-00224C

REFERENCES:
AAG-MIA-06-00224C

DESCRIPTION:
Your original message, identified as [MESSAGE NUMBER: 1-200162314-1], is copied below: The following Technical In-Service Request was sent to Boeing.

[Product-line:DC-][Product:DC-8-71]
[ATA:3210-00]
[BEMS Id:1552161]
[Due Date:15-JUN-06]
[Account Code:AAG]

[Asset:N730UP]
[References:AAG-MIA-06-00224C
]

[Description:MODEL: DC8-71
DESC: MLG TORQUE TUBE
P/N: 5718934-501
S/N: UPS5732 /W10749-1
W/O: 343946
CUST: UNITED PARCEL SERVICE
OHM: 32-1-9

The subject component was reworked at the Lock Link attach face beyond the limits of the OHM to remove defects. The post rework dimensions are as depicted on the attached drawing. The part has been NDT inspected per OHM 13-3-4, and shot peened per OHM 13-3-1.

As a repair, we propose the following:

Install flanged bushings.
- Refinish per OHM 32-1-9

Please provide your approval.

Regards,

Roger Cardenal / Jesus Banal (Director of Quality Control)

Action Requested: Repair approval.
]

Roger Candenal
305.887.4027 Ext. 211
roger.cardenal@aarcorp.com
AAG

Jun 08, 2006 13:15 PDT / Jun 08, 2006 20:15 GMT

When present, attachment names are listed below this line:

Attachment: DWG_AAG_MIA_06_00224C.PDF

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Roger Cardenal

From: dse.boecom@boeing.com
Sent: Thursday, June 15, 2006 2:23 PM
To: Roger Cardenal
Subject: AAG-MIA-06-00224C

BCS_Feedback_For m.doc (54 KB)

FROM: THE BOEING COMPANY
TO: AAG [MESSAGE NUMBER:1-200162314-2] 15-Jun-2006 11:22:39 US PACIFIC TIME
Boeing Response

This message is sent to the following:

Roger Cardenal, at AAR Landing Gear Center

SERVICE REQUEST ID:	1-200162314
PRIORITY:	Routine
ACCOUNT:	AAR Landing Gear Center (AAG)
DUE DATE:	15-Jun-2006
PROJECT:	
PRODUCT TYPE:	Airplane
PRODUCT LINE:	DC-8
PRODUCT:	DC-8-71
ATA:	3210-00
PART NUMBER:	5718934-501, S/N: UPS5732 /W10749-1

AIRPLANE (VARIABLE/SERIAL): /46030 REGISTRY: N730UP
HOURS/CYCLES:/

SUBJECT: AAG-MIA-06-00224C

REFERENCES:
/A/ AAG-MIA-06-00224C
/B/ 1-200162314-1

DESCRIPTION:
The subject component was reworked at the Lock Link attach face beyond the limits of the OHM to remove defects. The post rework dimensions are as depicted on the attached drawing. The part has been NDT inspected per OHM 13-3-4, and shot peened per OHM 13-3-1.

RESPONSE:
Subject part is acceptable for strength, when reworked as per the repair proposal specified in the message no. 1-200162314-1, dated 12-Jun-06, provided:

- Fabricate flanged bushing made from 17-4PH material heat treated to h900 condition.
- Install bushings with 0.0005/0.0015 in. interference fit wet with pr1422 sealant.
- Install bushings wet with pr1422 sealant or equivalent.
- All other dimensions and repair procedures comply with B/P and/or OHM requirements.

This repair specification has been shown to comply with the type certification basis for the airplane and is Boeing approved as a permanent repair.

If attachments are referred to, and are not present, please reply to this e-mail or

White Bobbie (air1bkw)

(resent)

From: White Bobbie (air1bkw)
Sent: Tuesday, October 30, 2007 1:29 PM
To: 'Ariam Gort'
Subject: FW: N805UP TT&B UPS4710 w.o.343946

Ariam,
Please see below for another unanswered discrepancy.
Thanks,
Bobbie

-----Original Message-----
From: White Bobbie (air1bkw)
Sent: Thursday, May 17, 2007 4:15 PM
To: 'Elizabeth Miro-Lopez'
Subject: N805UP TT&B UPS4710 w.o.343946

Hi Liz,
Could you please correct the attached documents from this Torque Tube & Bungee package (p/n: 5719176-5508, s/n: UPS4710, w.o.343946). They are inconsistent with the revision of the spec EO used. If it was indeed overhauled on 08/07/06, then EO C-3200-0471-S should have been used. Could you please make these doc's consistent with each other?
Thanks,
Bobbie White
UPS
A/C Records
AGB 1B
1400 N. Hurstbourne Pkwy
Louisville, KY 40223

ups4710.pdf (220 KB)