

Model

GE90 Thrust Reverser

Serial

000565

Part number

315W1298-5025

Condition

Modified

TSR 0 CSR 0

TSN 42,627 CSN 4,572

Trace to

Etihad (Last operator) prior to removal at Teardown

Tag by

Air France

Tag date

24/FEB/2020

Location

AJW Group
The Headquarters,
Maydwell Avenue,
Slinfold, West Sussex,
RH13 0AS, United Kingdom

Additional details

For additional details on this unit please [contact](#) the AJW Major Assets Team.

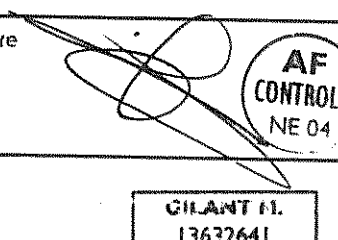


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**AIRWORTHY
CERTIFICATE/FORM**



1. Approving Competent Authority/Country DIRECTION GÉNÉRALE DE L'AVIATION CIVILE / FRANCE		AUTHORISED RELEASE CERTIFICATE Certificat d'Autorisation de Mise en Service EASA FORM 1 – Formulaire 1 de l'EASA				3. Form Tracking Number Numéro de traçage du formulaire  *B788741*	
4. Organisation Name and Address Nom et adresse de l'organisme AIRFRANCE		SOCIÉTÉ AIR FRANCE 45 rue de Paris 95747 ROISSY CDG Cedex FRANCE				5. Work Order/Contract/Invoice Bon de Commande/Contrat/Facture T32207	
6. Item	7. Description	8. Part No / Numéro de la pièce	9. Qty. / Qlé	10. Serial No. / Numéro série	11. Status / Work État / Travaux		
1	THRUST REVERSER ASSY ENG 2, LH	315W1298-5025	1	000565	MODIFIED		
12. Remarks <i>Observations</i> BOEING CMH 78-31-84 REV29 JUL19 MODIFICATION PERFORMED FOLLOWING REPAIR ORDER NUMBER T32207 DATED 10JAN2020 AND WORKSCOPE NUMBER AJW11022020LH REV 0 DATED 11FEB2020. SB 777-54-0029 FTR FIRE SEAL MODIFICATION PERFORMED.							
For work details, see Work Shop Report with same number as mentioned in block 3. The work identified in Block 11 and described herein has been accomplished in accordance with 14 CFR part 43 and in respect to that work, the items are approved for return to service under certificate no. CNFY912C.							
13a. Certifies that the items identified above were manufactured in conformity to <i>Certifie que les éléments identifiés ci-dessus ont été fabriqués conformément :</i> ☐ approved design data and are in condition for safe operation <i>aux données de définition approuvées et sont en état de fonctionner en toute sécurité</i> ☐ non-approved design data specified in block 12 <i>aux données de définition non approuvées indiquées en case 12</i>				14a. ☒ Part-145.A.50 Release to Service <i>Partie 145.A.50 Remise en service</i> Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, was accomplished in accordance with Part-145 and in respect to that work the items are considered ready for release to service. <i>Certifie que, sauf dispositions contraires mentionnées dans la case 12, les travaux indiqués dans la case 11 et décrits dans la case 12, ont été accomplis conformément à la Partie 145 et, compte tenu de ces travaux, les éléments sont considérés comme prêts à être remis en service.</i>			
13b. Authorised Signature <i>Signature autorisée</i>		13c. Approval / Authorisation Number <i>Numéro de l'agrément / autorisation</i>		14b. Authorised Signature <i>Signature autorisée</i> 		14c. Certificate / Approval Ref. No. <i>N° de Certificat / d'agrément</i> FR.145.0010	
13d. Name / Nom		13e. Date (dd mmm yyyy) / (jj mmm aaaa)		14d. Name / Nom 		14e. Date (dd mmm yyyy) / (jj mmm aaaa) 24FEB2020	
USER / INSTALLER RESPONSIBILITIES / RESPONSABILITÉS DE L'UTILISATEUR / INSTALLATEUR This certificate does not automatically constitute authority to install the item(s). <i>Ce certificat ne vaut pas automatiquement autorisation d'installer le ou les éléments.</i> Where the user/installer performs work in accordance with regulations of an airworthiness authority different than the airworthiness authority specified in block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts items from the airworthiness authority specified in block 1. <i>Lorsque l'utilisateur/installateur effectue des travaux conformément à la réglementation d'une autorité responsable de la navigabilité, autre que l'autorité responsable de la navigabilité indiquée dans la case 1, il est essentiel que l'utilisateur/installateur s'assure que l'autorité responsable de la navigabilité dont il relève accepte les éléments approuvés par l'autorité responsable de la navigabilité inscrite à la case 1.</i> 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. <i>Les mentions figurant dans les cases 13a et 14a ne constituent pas une certification d'installation. Dans tous les cas, le dossier d'entretien de l'aéronef doit contenir une certification d'installation délivrée conformément aux réglementations nationales par l'utilisateur/installateur avant que l'aéronef puisse décoller.</i>							

WORK SHOP REPORT

No: B788741

Customer...: AJ WALTER AVIATION LTD
Work Order.: T32207

Dossier.....: 2055224
Requisition No.: 00664410

Designation : THRUST REVERSER ASSY ENG 2, LH
Part Number...: 315W1298-25
Serial Number.: 000565

TSN.: UNKNOWN
CSN.: UNKNOWN

Removal from A/C.: UNKNOWN
Aircraft Model...: UNKNOWN

Pos.: UNKNOWN

Time...: UNKNOWN
Cycles.: UNKNOWN

Removal Date.....: 07FEB20

Location.: CDG

Removal Type.....: UNSCHEDULED

Removal Reason...: SB 777-54-0029

Condition as received.....: REQ 00664410

Work requested.....: MODIFICATION

Warranty requested.:

Warranty Accepted.:

Shop Finding.....: MINOR REPAIR.

Confirmation of Removal.: FAILURE FOUND - REMOVAL REASON CONFIRMED

Repair Text.....: MODIFICATION PERFORMED.

Documentation Reference.: BOEING

CMM 78-31-84 REV29 JUL19

Modif/Remarks.....: MODIFICATION PERFORMED FOLLOWING REPAIR ORDER NUMBER T32207
DATED 10JAN2020 AND WORKSCOPE NUMBER AJW11022020LH REV 0 DATED 11FEB2020..
SB 777-54-0029 FTR FIRE SEAL MODIFICATION PERFORMED.

New Part Number...: 315W1298-5025

New Serial Number.:

Parts replaced : SEE PART LIST

Issue Date....: 24FEB20

Name : GILANT H.
13632641

Repair Shop

Revision date.: 24FEB20

Signed :

CDG HE01

AF
CONTROLE
NE 04

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WORK SHOP REPORT

No: B788741

-- Parts replaced --

Part Number / Alt	Description	QTY	UI
BACN10YT3CD	NUT	8	EA
BACN10YT3CSA	NUT	4	EA
315W1316-55	FIRE SEAL_AFT COWL	1	EA
315W1316-57	FIRESEAL	1	EA
315W1316-59	FIRE SEAL	1	EA
315W1316-61	FIRE SEAL	1	EA

Issue Date.....: 24FEB20

Revision date.: 24FEB20

Repair Shop

CDG HE01

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**NON- INCIDENT
STATEMENT**



Date: 16 January, 2019
To: Altavair

Non Incident / Non Accident Statement - Airframe

Aircraft

Registration	MSN	Type	TSN	CSN
A6-LRC	36302	B777-200LR	44123:53	4796

To whom it may concern:

During operation by Etihad Airways from 06-February-2014 until 16-January-2019 of the above Aircraft, we hereby confirm that the Aircraft:

- ▶ Has not been involved in any accident or serious incident as defined in Chapter 1 of ICAO Annex 13
- ▶ Has not been obtained from nor operated by any government or military source.
- ▶ Has not been subjected to severe stress or heat outside of normal operation and maintenance.
- ▶ Have not been submerged in salt water or otherwise exposed to corrosive agents outside of normal operation and maintenance.

Approved by:

Najeeb Hassan Ansari
B777 Fleet Management Manager
+971 2 511 5459
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Prepared by:

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Technical Records Officer
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TRACE



ETIHAD AIRWAYS

FLEET ENGINEERING OCCM TIME STATUS



Unit TSN:	44123:53	Unit Name:	A6-LRC
Unit CSN:	4796	Item:	B777-200LR
Unit DSN:	4231	Serial:	35302
Unit MSN:	36302	Status AS AT:	14-Jan-19

ATA	Item Desc	Item Number	Serial Number	Position	Installed Date	Installed Aircraft TSN	Installed Aircraft CSN	COMP TSN	COMP CSN
77-00	CONVERTR	8KE144AAB1	3909H	CONVERTR_1	24-Jul-07	0	0	44123	4796
77-00	CONVERTR	8KE144AAB1	37621H	CONVERTR_2	7-Oct-13	24246	2890	43596	4669
78-00	REVERSER FAN LH GE90 115B	315W1298-23	000464	FAN THRUST REV.C DUCT,LH_LH	24-Jul-07	0	0	44123	4796
78-00	ACTUATOR PDOS,T R	TY1901-51	11018	ACTUATOR-PDOS,T/R_LS2	24-Jul-07	0	0	44123	4796
78-00	ACTUATOR PDOS,T R	TY1901-51	11022	ACTUATOR-PDOS,T/R_RS2	24-Jul-07	0	0	44123	4796
78-00	ACTUATOR PDOS,T R	TY1901-51	11023	ACTUATOR-PDOS,T/R_LS1	24-Jul-07	0	0	44123	4796
78-00	ACTUATOR PDOS,T R	TY1901-51	11029	ACTUATOR-PDOS,T/R_RS1	24-Jul-07	0	0	44123	4796
78-00	REVERSER FAN RH GE90 115B	315W1298-24	000580	FAN THRUST REV.C DUCT,LH_RH	24-Jul-14	24872	3021	42636	4574
78-00	REVERSER FAN LH GE90 115B	315W1298-25	000565	FAN THRUST REV C DUCT,RH_LH	1-Aug-14	24881	3023	42627	4572
78-00	REVERSER FAN RH GE90 115B	315W1298-25	000571	FAN THRUST REV C DUCT,RH_RH	1-Aug-14	24881	3023	42627	4572

Verified By: NASIR

Date: 14 JAN 2019



[Handwritten signature]

Engineering Enquiry / Request

(Refer to ADAT/TS/8024A/Instructions in eDOC for filling instructions)



Code: <u>B7</u>	cMRO Seq No: _____	Page No: <u>2 of 2</u>
ATA No: <u>78</u>	Manual Seq No: <u>19264H</u>	Customer: <u>ETIHAD AIRWAYS</u>
Act/Eng/Component & Reg/SN: <u>A6-LRC, MSN 36302</u>		

PART (B) Technical Services FINAL Response (Sheet of 2) This EER is CLOSED: ☒ Yes ☐ No	GROUP: ☒ ST ☐ IN ☐ AV ☐ SY ☐ PP ☐ PS
Received: Date: <u>28 Jul 2014</u> Time: <u>13:30</u>	Replied: Date: <u>30 Jul 2014</u> Time: <u>08:30</u>

REFERENCES:
Boeing message: GMO-ETI-14-0115-04B

ACTION: _____ **NOTE:** This EER response is for one time use only.

In reply to Part A of this EER.

The subject SB 777-78A0070 is applicable to T/R Engine position # 1 LH & 2 LH which means to T/R P/N 315W1298-23, S/N: 000464 and T/R P/N: 315W1298-25, S/N 000565.

1. T/R P/N: 315W1298-23, S/N: 000464 is original aircraft configuration and as per previous operator records SB 777-78A0070 is accomplished on 08 Jan 2011, refer to attached documents from Aircraft Readiness Log, AD Status report and DFP for accomplished AD/SB.
2. T/R P/N: 315W1298-25, S/N 000565 is original configuration of aircraft A6-LRE, MSN 36304 for which SB 777-78A0070 is not applicable but when installed on MSN 36302 as per Boeing recommendation message # GMO-ETI-14-0115-04B aircraft should comply with AD 2010-16-12 as follows:
3. Inspect the Aft Cowl Insulation Blanket Fastener shown in Figure 1 of SB 777-78A0070 for length, see attached figure. The compliant fastener 315W1819-7 is 0.9160 inches in length. The non-compliant fastener 315W1819-6 is 1.0330 inches in length. If the shorter fastener is installed, that information could be used as substantiation data for compliance to the AD 2010-16-12. If the longer fastener is installed then the configuration is not in compliance with the AD 2010-16-12.

R A I S E	☐ Defect Deferred List (DDL)/Base Deferred Defects (BDD)/Aircraft Technical Log (ATL) Entry * (* STRIKE thru which is not applicable) Limitations/Threshold/ Interval /Inspection method : ☐ Structural Damage/Repair Recording (SDR) *** ☐ Reflect on the D & B and (External Damage Record Sheet (EDRS) *** ☐ Primary Structure (Must fill Discrepant Structure Report (DSR) Form ADAT/TS/8625) *** ☐ If Corrosion, complete Corrosion Prevention and Control Program (CPCP) Form ADAT/TS/8628) *** Corrosion Level: ☐ 1 ☐ 2 Note: For 3 rd Party Customer, If corrosion is Level 2, customer is responsible to upgrade its maintenance program to Level 1. Reflect this note when recording the performed repair. *** For 3 rd Party Customer, the recording is the responsibility of the Customer unless contracted. This recording requirement(s) must be reflected by ADAT when closing the performed repair / card. If contracted, it is recorded on the customer equivalent documentation.
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THE TECHNICAL CONTENT OF THIS DOCUMENT IS APPROVED PER (* STRIKE thru which is not applicable)

☐ EASA Part 145 A.45 ()	☐ FAA AR / FAA DER *	☐ EASA RDAS / RAS *	☐ TA	☐ NAA
☒ GCAA CAR 145 .45 (b)	☐ RDR	☐ DOA Part/CAR 21.J	☐ TV	☐ OTHER

Organization Name/Name: Boeing Authorization No.: _____ Doc Ref: SB 777-78A0070

ADAT Document Raised ☐ RS / RB * ☐ DDO ☐ EO ☐ EW ☐ Drawing(s) ☐ Tech Pubs Amndmt ☐ Others (Specify)

(If applicable): DOCUMENT No: _____

Customer approval for deferred inspection or deferred permanent repair is required ☐ Yes ☐ No ☒ N/A

Customer Name / Signature: N/R Date: _____

Engineering M/Hrs : 6.0 Hrs
 Eng'g Drafting M/Hrs : _____ Hrs
 Related PO Raised Ref / Cost : _____ (as per contract)

Initiated by: Anton Dukov Signature: _____ Approved by: Shevantha Weerasekera-ADAT, Signature: _____

Name/Title: _____ Signature: _____ Name/Title: _____ Signature: _____

IMPORTANT: 1. ANY DEVIATION OUTSIDE THE SCOPE OF APPROVALS HELD BY ADAT MUST BE APPROVED BY THE APPLICABLE AIRWORTHINESS AUTHORITY, OR ITS DELEGATED APPROVAL HOLDER, VIA ADAT SMQA, BEFORE RELEASE TO SERVICE.
2. COPY OF RELEVANT APPROVAL DOCUMENT SHALL BE ATTACHED TO THIS EER (eg: RDAS, FAA FORM, ADAT DDO, etc.)



Engineering Enquiry / Request

(Refer to ADAT/TS/8024A Instructions in eDOC for filling instructions)

URGENT

CODE: B7	☒ Aircraft	☐ Engine	☐ Component
ATA No: 737-200	Release Authority: ☐ EASA ☐ FAA ☒ GCAA:		
Manual Seq No: 19287-1	☐ Other (Specify):		
EMRO Seq No: 19287-1	Act/Eng/Comp Input Date & Time: 29-JUN-2014		
Page: 1	Act/Eng/Comp Departure Date & Time: 30-JUL-2014		

PARTY/INDUSTRY/REQUESTOR'S NAME: (Name of the Party/Engine/Component/Service)						
SUBJECT: EMBODIMENT OF S/B (REQUEST)	Visit No: 696417					
CUSTOMER: ETIHAD	ACFT TYPE: B777-200LR	ENGINE TYPE: GE90-	REG/MSN/SN: A6-LRC/36302	FH/TSN: 24872:39	FC/CSN: 3021	WO No: AWH9910687
Part / Component / Assy Name: THRUST REVERSE ASSY	PART NO: -23	Serial No: 56557158464	Component FC/CSN: NA	Component FH/TSN: N/A	NRC No: 4041	
Next Higher Assy Description/Part No: N/A	Cost of Affected Item: (USD / or State)	References (SRM/IPC/ANM/CMM/OTHER): 58777-78A0070				
Urgency: ☐ AOG ☒ WORK STOPPAGE ☐ 'A' Check ☐ 'C' Check ☐ Pre-Input ☐ Casualty Input ☐ Normal	Aircraft/Engine/Component Location: MAIN HANGAR					

DETAILS OF ENQUIRY / REQUEST:

ON ENGINE CARRY FORWARD SHEET, ENG GE90-110B1, REQUIRED TO INSURE, IF AD 2010-16-12 (58777-78A0070) IS EMBODIED ON THE THRUST REVERSE.

PLEASE, ADVISE IF SAME AD (SB) IS EMBODIED ON THE T/R:

P/N - 315W1298-25 - S/N 000565
 P/N - 315W1298-26 - S/N 000571
 P/N 315W1298-23 - S/N 000464
 P/N 315W1298-24 - S/N 000580

ADAT MCC
 27 JUL 2014

Raised by: <u>ADAT 2129</u> Name/Stamp/Title: <u>ADAT 2129</u> Signature: <u>[Signature]</u>	Reviewed by: <u>ADAT 2129</u> Name/Stamp/Title: <u>ADAT 2129</u> Date: <u>27 JUL 14</u> Time: <u>17:00</u>
Department: _____	Contact Name: <u>ADIL</u> Tel/Ext: <u>0523655700</u>



Engineering Enquiry / Request

(Refer to ADAT/TS/8024A/Instructions in eDOC for filling instructions)



Code: <u>87</u>	cMRO Seq No: _____	Page No: <u>2 of 2</u>
ATA No: <u>78</u>	Manual Seq No: <u>19264H</u>	Customer: <u>ETIHAD AIRWAYS</u>
Aircraft/Engine/Component & Reg/SN: <u>A6-LRC, MSN 36302</u>		

PART: (b)	Technical Services INITIAL/FINAL Response*	GROUP:	☒ ST	☐ IN	☐ AV	☐ SY	☐ PP	☐ PS
(Sheet 2 of 2)	(Use this sheet as a continuation page as necessary) (* Strike thru as appropriate)							

ACTION:

4. If configuration found not in compliance with the AD then accomplish SB 777-78A0070 on affected T/R as follows: (EO EY-777-78A0070)
 - (a) Open the left Thrust Reverser. Refer to 777 AMM 78-31-00 as an accepted procedure.
 - (b) Replace the insulation blanket fasteners on the aft cowl as given in Figure 1.
 - (c) Close the left Thrust Reverser. Refer to 777 AMM 78-31-00 as an accepted procedure.
 - (d) Put the airplane back to a serviceable condition.

NOTE: Production can consider replacement of the affected T/R if required bolt, nuts and washers to accomplish the SB are not available.

5. This EER is closed.

Initiated by: Anton Dukov	Approved by: Shevantha Weerasekera-ADAT,
_____ Name/Title	_____ Name/Title
_____ Signature	_____ Signature



AIRCRAFT MAINTENANCE CHECK CLEARANCE PACKAGE

AIRCRAFT COMPONENT CHANGE RECORD



AIRCRAFT REGISTRATION:

A8-LRE

AIRCRAFT MSN:

36304

VISIT NO:

723119

ITEM NO. 07 OF AIRCRAFT MAINTENANCE CHECK CLEARANCE PACKAGE REGISTER

NOTE: 1. PROO CONTROL MUST ENSURE THAT COMPLETE DETAILS OF UNEXCHANGED ARE RECORDED FROM ROUTINE/ROUTINE CARD & COMPONENT REVISABLE TAGS.
2. ALL SHEETS TO BE CHECKED AND NUMBERED AFTER COMPLETION OF EACH AIRCRAFT INPUT.

SEQ NO.	ROUTINE / MRC SEQ.	WORKORDER NO.	COMPONENT DESCRIPTION	POSITION	PART NO. OFF	S/N.O. OFF	PART NO. ON	S/N.O. ON	REASON FOR REMOVAL	STORES RELEASE NO.
16	SEQ-419	AUH10130418	ENGINE	#1	GE90-11081G03	905428	GE90-11081G03	905289	HPI/STG/MADE DISTRESS	AWFORM 20009103
17	N-2335	AUH10223386	CARD AY-NBC PWA	M33004	285W0192-3	000721	285W0192-3	000926	NO-OUT PUT	AUH-S-1438989
18	N-3012	AUH10261404	APU GENERATOR	APU	756589A	0925	756589A	0925	SWAP	EX-APU-S/N/P-1722
19	N-3012	AUH10261404	APU	APU	3800550-1	P-1722	3800550-1	P-2133	INOP	AUH-S-1432904
20	N-8002	AUH10261528	CONTROL UNIT	CTR TANK	40885-B	2151	40885-B	2046	FAULTY	AUH-S-1439420
21	N-2207	AUH10034640	BATTERY PACK	M33004	0717-01-100	56310	0717-01-100	313317	DEAD BATTERY	AUH-S-1435604
22	N-2207	AUH10034640	BATTERY PACK	M33004	0717-01-100	56029	0717-01-100	313338	DEAD BATTERY	AUH-S-1435604
23	N-2207	AUH10034640	BATTERY PACK	M3401	0717-01-100	56307	0717-01-100	313329	DEAD BATTERY	AUH-S-1435604
24	N-2207	AUH10034640	BATTERY PACK	M33004	0717-01-100	5600	0717-01-100	312307	DEAD BATTERY	AUH-S-1435472
25	N-4002	AUH9922594	FAN DUCT COWL	FAN THROTT REVC DUCT/AN RE	315W1298-25	000565	315W1298-09	000326	ROBBERY	AUH-S-1410557
26	N-4002	AUH9922594	FAN DUCT COWL	FAN THROTT REVC DUCT/AN RE	315W1298-26	000571	315W1298-22	000359	ROBBERY	AUH-S-1413556
27	N-4001	AUH9922590	FAN DUCT COWL	FAN THROTT REVC DUCT/AN RE	315W1298-24	000580	315W1298-24	000460	ROBBERY	EX-A6-JAB
28	N-5002	AUH9930219	FLAP	FLAP TE OVL/LO	113W3003-21	001430	113W3003-21	001430	ROBBERY	EX-A6-LRE
29	N-2085	AUH9990591	OVEN	STEAM OVEN- R/C	A50201-21	165	8202-66-0000-01	08-08-1986	ROBBERY	FAA C42BC5G5
30	N-2085	AUH9990591	OVEN	STEAM OVEN- R/C	A50201-21	195	8202-66-0000-01	06-02-0983	ROBBERY	AUH-S-1433358

PRODUCTION CONTROL

PREPARED BY: SIGN

 ADAT
 STAMP 08/09/04

DATE 08/09/04

TECHNICAL RECORDS (ONLY APPLICABLE TO TOTAL SUPPORT CUSTOMER AIRCRAFT)

TECHNICAL RECORDS CHECKED BY:

SIGN: [Signature]

Stamp NO. 28544

DATE 29/01/05





REF.: EY/777/ALE

Date : 16-APR-2014

TO WHOMSOEVER IT MAY CONCERN

**Subject:- BOEING B777-200LR AIRCRAFT MSN 36304 /VT-ALE
-STATEMENT**

The subject aircraft was delivered by M/s Boeing and has been in operation with AIR INDIA LIMITED until its redelivery to M/s Etihad Airways at A/c TSN/CSN : 23373:11 FH/ 2797 FC.

This is to indicate to the best of our knowledge that during the above period,

1. This Aircraft VT-ALE / MSN 36304 has not experienced any incident/accident/fire that has resulted in major structural damage or repair.
2. The aircraft has not been subject to extreme heat or any other form of extreme stress.
3. The aircraft has not been subject to use by any government or military force.
4. No unapproved parts have been installed and no parts procured from any government or military source.
5. The aircraft has not been exposed to any corrosive agents.

Your's faithfully,

S.K. Rout

DY.CAM
AIR INDIA LIMITED



Aircraft Readiness Log

Pgm Id/Model #
777 /237LR

Line Number: 698
Airplane Identification
W0698/WD015/W7445

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Customer
AIR INDIA

Zone MPD	Part Number Part Description Vendor Name	Used On/Alt Authority Cage Code/SRC/ATA/LL/PV/AD	Qty	Serial Number	Miscellaneous Location X-Station/Y-BL/Z-Wtr
ZA022 413	314W1086-7 FAN COWL LEFT HAND BOEING CO THE	314W1500/ 81205/SFE/71/ / /	1	000578	
ZA024 414	314W1086-8 FAN COWL RIGHT HAND BOEING CO THE	314W1500/ 81205/SFE/71/ / /	1	000562	
ZB022 423	314W1086-9 FAN COWL LEFT HAND BOEING CO THE	314W1500/ 81205/SFE/71/ / /	1	0561	
ZA019 412	314W1400-9 INLET ASSY BOEING CO THE	314W1400/ 81205/SFE/71/ / /	1	000640	
ZB019 422	314W1400-9 INLET ASSY BOEING CO THE	314W1400/ 81205/SFE/71/ / /	1	000641	
ZA026 415	315W1298-23 FAN DUCT COWL BOEING CO THE	315W1298/ 81205/SFE/71/ / /	1	000584	
ZA027 416	315W1298-24 FAN DUCT COWL BOEING CO THE	315W1298/ 81205/SFE/71/ / /	1	000580	
ZB026 425	315W1298-25 FAN DUCT COWL BOEING CO THE	315W1298/ 81205/SFE/71/ / /	1	000565	

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REPAIRS



		AIRCRAFT STRUCTURE REPAIR SUMMARY						DATE:	6-Jan-19
Aircraft Type:		B777-200LR	Aircraft Registration:		A6 - LRC	Aircraft MSN:	36302		
S. No.	SDRR No.	Description	Repair Status	Classification	Repair Date	References	NRC / WO Ref. No.:	Inspection	T-Defect / R-MR / Work Order
24	ALC_D&B_DFP_NO.24	Qty. 8 damages between STA 655 to STA 998 1.) between STA 739 & STR 48R Status: Refer Defect Serial No. 5.	PERMANENT	MINOR	28-Jan-14	SRM 53-00-01, Fig. 102, Table A	DRC 040	NO	
		2.) At STA 755.5 to 772 near STR 48R, 3.) Aft of STA 788.5 & O/B of STR 48R 4.) STA 804 to STA 825 & STR 48R, Status: Nil defects found on inspectio for items 2 thru 4.				SRM 53-00-01, Fig. 102, Table A			
		5.) STA 846, between STR 47R - 48R, Material Lost - 0.003" 6.) STA 846 to STA 867, STR 48R, Material Lost - 0.003" 7.) STA 867 to STA 888, I/B od STR 48R, Material Lost - 0.007" 8.) STA 888 to STA 909, I/B of STR 48R, Material Lost - 0.003" Status: Items 5 thru 8 found within allowable limits as per SRM				SRM 53-00-01-1A-1, FG 102, DETAIL 'D'			
25	ALC_D&B_DFP_NO.25	Dent on Bulk cargo scuff plate (center) lip area with 0.5" dia and Depth = 0.050". Status: Remove scuff plate, DVI of undelaying structure Carrie out as per Boeing message, no damage notice, Rework scuff plate, HFEC inspection of rework area carried out. nil cracks.	PERMANENT	MINOR	28-Jan-14	BOEING MESSAGE Ref: AIN-AIN-14-0050-02B	DRC 033	NO	
26	ALC_D&B_DFP_NO.26	Two dents noticed on aft cargo door scuff plate in the middle segment. One dent located at 18" from fwd edge of scuff plate and second dent 49" from fwd edge of scuff plate. Dent 1: L = 1.5", W = 0.5" and D = 0.092". Dent 2: L = 1.0", W = 0.5" and D = 0.035". Status: Actioned as per Boieng message	PERMANENT	MINOR	29-Jan-14	BOEING MESSAGE Ref: AIN-AIN-14-0049-02B	DRC 034	NO	
27	ALC_D&B_DFP_NO.27	ITEM DELETED. NO DEFECT ON THE STRUCTURE NOTED. PAINT AFFECTED ONLY.							
28	ALC_D&B_DFP_NO.28	ITEM DELETED. NO DEFECT ON THE STRUCTURE NOTED. PAINT AFFECTED ONLY.							
29	ALC_D&B_DFP_NO.29	ITEM DELETED. NO DEFECT ON THE STRUCTURE NOTED. PAINT AFFECTED ONLY.							
30	ALC_D&B_DFP_NO.30	ITEM DELETED. NO DEFECT ON THE STRUCTURE NOTED. PAINT AFFECTED ONLY.							
31	ALC_D&B_DFP_NO.31	ITEM DELETED. REMOVED FROM AIRCRAFT.							
32	AIR INDIA SDR CARD S6003, DATED 20 SEP 11 FOR AIRCRAFT VT-ALA, MSN 36300	RH ENGINE INBOARD TR PN 315W1298-25, SN 000565 FOUND WITH TEMPORARY PATCH ON TRASLATING SLEEVE TOP AFT EDGE APPROX. AT 11 O'CLOCK POSITION. DAMAGE TRIM AREA DIMENSIONS 7.0" X 6.0". PERMANENT REPAIR PERFORMED	PERMANENT	MINOR	29-Sep-11	SRM 54-33-01 & SRM 51-70-05	DRC S6003	NO	

MINI PACK

AJW

DRC S6003



CMRS
11
23/9/11

10

STRUCTURAL DEFECT / RECTIFICATION CARD				NO. S6003
				DATE 20/9/11
A/C TYPE	A/C REG.	STATION	CHECK	JOB NO.
B 777	VT-ALA	MUMBAI	P	
ORIGINATOR KICHLOO		TRADE # 2 TR (ENG4)	CROSS REF. GVI	MANHOURS
A. DEFECTS / ACTION REQUIRED				SIGNATURE WITH DATE
DURING Zonal Inspection of T/R a TEMPORARY REPAIR PATCH OBSERVED ON LH TRANSLATING SLEEVE ON TOP AFT EDGE APPROX 1-11 O'CLOCK. CHECK AND ACTION.				A/TECH. X AME (Signature) 20/9/11
B. REF. TELEX (ATTACH COPY) NO.: SRM: 54-33-01 31-70-05				2 (Signature) 22/9/11
C. DIMENSIONS AFTER CLEAN UP/TRIM Temporary repaired area banded to expose the damage. Further it is trimmed to a regular shape. The dimension after trim is 7" x 6"				2 (Signature) 23/9/11 AI/COD 109
D. PARTS FABRICATED / REPLACED AND R/N ADHESIVE MATERIALS (STOCK NO./EXP. DATE R.N.) 1) Graphite Prepreg BMS 8-297 CL2 Ty IV 3K-70-PW R/N: 30202359 Exp. dt: 29-08-2012 2) Adhesive BMS 5-137 Ty II CL2 Gr. 5 R/N: 08021 Exp. dt: 29.07.2012 3) Fiber glass prepreg BMS 8-139 Style 108 R/N: 47484 Exp. dt: 20.01.2012				2 (Signature) 26/9/11 AI/COD 109
E. DETAILS OF NDT / HEAT TREATMENT Area around the trimmed skin inspected for any delam. Found ok. Cavities post repair inspection. Found ok.				2 (Signature) 26/9/11 AI/COD 109 2 (Signature) 21/9/11 AI/COD 109
F. PROTECTION / FASTENERS / SEALANT Apply a coat of Primer.				(Signature) 29/9/11 AI/COD 109
G. REPAIR INSTALLATION / CURING Refer the attached procedure sheets for the details of job done.				2 (Signature) 24/9/11 AI/COD 109



10

तारीख/Date 22-09-2011

मानक प्रमाण / STANDARDS DIVISION

विमान नेमी-कार्य अनुवृत्ति पत्र सं.

AIRCRAFT ROUTINE - CONTINUATION SHEET NO.

विटी/VT- ALA	Ref. DRC 56003 dt. 20-9-11	मैकेनिक के आद्यक्षर Mechanic's Initial	निरिक्षक के आद्यक्षर Inspector's Initial	तारीख Date.
Ref. SRM 54-33-01 & SRM				
① Temporary repaired area sanded to expose the damage. Further it is trimmed to a regular shape to a dimension of 7" x 6".		H. R. H.	J. H. 23/9/11 AI/COD 109	23/9/11
② NDT inspect the area around the damage. Found OK.		x	J. H. 23/9/11 AI/COD 109	23/9/11
③ Taper sand the plies of face sheet		H. R. H.	J. H. 26/9/11 AI/COD 109	26/9/11
④ Make the repair plies and adhesive film from the following as per SRM 51-70-05		H. R. H. (Kadlak)	J. H. 27/9/11 AI/COD 109	27/9/11
⑤ Graphite prepreg BMS 8-297 Cl2 Tyll 3K-70-PW R/N: 30202359 Exp. dt. 29-08-2012			AI/COD 109	
⑥ Adhesive - BMS 5-137 Tyll Cl2 Gr 5 R/N: 080821 Exp. dt. 29-7-12				
⑦ Fiber glass prepreg BMS 8-139 style 108 R/N: 47484 Exp. dt. 20-01-2012				
⑧ Install the repair plies		H. R. H.	J. H. 28/9/11 AI/COD 109	28/9/11
⑨ Assemble the vacuum bag system		H. R. H.	J. H. 28/9/11 AI/COD 109	28/9/11
⑩ Cure the repair using heat blanket at 350°F for 180 min.		H. R. H.	J. H. 28/9/11 AI/COD 109	28/9/11
⑪ Do a post repair inspection. Found OK.		x	J. H. 29/9/11 AI/COD 109	29/9/11
⑫ Apply finish to the repair.		x	J. H. 29/9/11 AI/COD 109	29/9/11
पृष्ठ सं. पर जारी स्नैग सं. CONTINUED ON PAGE NO. 01 OF 01 SNAG NO. DRC 56003				
नोट : सभी खराबियों को दर्ज करते समय तारीख सहित आद्यक्षर करें NOTE : ALL SNAGS ENTERED TO BE INITIALLED AND DATED				



एअर इंडिया
AIR-INDIA

तारीख
Date 11/12/11

इंजन नेमी - कार्य - अनुवृत्ति-पत्र सं. ()
ENGINE ROUTINE - CONTINUATION SHEET NO. ()

इंजन की स्थिति ENGINE POSITION	क. सं. SRL. NO.	तकनिशियन के आद्यक्षर Techn's Initial	निरीक्षक के आद्यक्षर Inspector's Initial
VT-ALL RH ENG	906-472		
1. AS PER PRELIMINARY REPORT REF No:- INC/2011/ALL/10/m/2011. RH ENG INSP DURING TRANSIT CHECK DAMAGE/DAMAGE NOTICED ON T/R SLEEVE (1/3 OF RH ENG) TRAILING EDGE AT 8 O'CLOCK POSITION. REFER BASE PG SNAG 5; ABOVE DAMAGE AS WITHIN SRM LIMIT 54-33-01-Fig 103. TEMPORARY FIX CARRIED OUT AS PER SRM 54-3301 Pg 106. PERMANENT REPAIR TO BE CARRIED OUT AT BASE WITHIN 25 FLT CYCLES/HOURS.			
IN VIEW OF ABOVE RH ENG 1/3 SLEEVE REPLACED AS PER AMM 38-31-10/400 ALSO REFER ATTACHED CRP FOR DETAILS.			
P/No	OLD T/R SLEEVE 315W1580-1	NEW T/R SLEEVE 315W1580-3	R/No NITC/PROX/543
S/No	NOT ASSIGNED	NOT ASSIGNED	
SUBSEQUENT TO REPLACEMENT OF T/R SLEEVE RH ENG T/R OPM CARRIED OUT DURING GRD RUN. OPM & IND SATIS.			
7			



पार्ट्स बदली फार्म

PARTS TRANSFER FORM

बदली सं. एन आई टी सी / प्रगती
TRANSFER NO. NITC/ PROG / 543

दिनांक Date: 10/12/11

पार्ट्स के बदली का विवरण / ब्यौरा Details of Parts Transferred					हवाई जहाज / इंजन में बदली किया गया	
हवाई जहाज / इंजन से निकाला गया Removed from A/C/ ENGINE ALA					Transfer to A/C/ ENGINE ALE	
क्रम मद Item No.	पार्ट संख्या Part Number	विवरण Description	मात्रा Qty.	क्रम संख्या Sr. No.	बदली का कारण Reason for Transfer	रद्द मांगा का ब्यौरा Details of Cancelled Requisition
	31501580-18	Translating sleeve	01		N/A	B10-87356

मूल प्रति : जारीकर्ता के लिए

Original : With Originator

द्वितीय प्रति : प्रगति अनुभाग-दाता अधिकारी

Duplicate : To Progress - Provisioning Officer

A.M.E. का नाम जिनके परामर्श से प्रविष्टि

Name of A.M.E. Advised to
make Snag Sheet entry

V. Slency

हस्ताक्षर
A.M.E. Sign.

तैयार किया और अधिकृत किया गया
Prepared and Authorised by

एयर इंडिया लिमिटेड
Air-India Limited

HP Chaudhary

उप महा प्रबंधक / सहा. महाप्रबंधक
Dy. G.M. / A.G.M.

टिप्पणी : पुर्जों माँग के कारण किसी निकाले हुए युनिट की बदली पर असर पड़ता है तो पूरक माँग की प्रतिपूर्ति जारी कार्यवाही के अनुरूप की जानी चाहिए।
Note : In case transfer is affected from a unit already withdrawn for want of Spares, Supplementary withdrawal tag will have to be raised in accordance with existing procedures.



FORM FOR TL1/LOAN/TRANSFER/STAC UNIT/s INSTALLATION

TAG NO.: NITC/PROG/543

(3)

INSTALLATION UNIT DETAILS

MPN	MSN	Tag/Release Note/WO Number	Tracking Level
315W 1580-1		NITC/PROG/543	
Description		Qty.	01

TRANSFERRED FROM

A/c Regn.	Position	NHA P/N	NHA S/N
VT-ALA		315W 1580-1	
Station	Maint/Shop Location	AME	SIC
Bom	LND	AK	

LOAN / BORROW DETAILS

POOL PARTNER DETAILS	RELEASE NOTE	Station	Date

RETRIEVED SERVICEABLE FROM STAC

TAG NO.	AUTHORIZED BY	Date	Station	Maint/Shop Location

REMOVAL DETAILS

Description	Off MPN	Off MSN	Station	Maint/Shop Location
RH ENG LH T/L2 SLEEVE	315W 1580-1	NOT ASSIGNED	Mumbai	LND
TECH.	AME	LIC/APP No.	Date	
Totale	Ammr/132	Ammr/132	11/11/11	

REMOVAL CAUSE AND POSITIONAL DETAILS

Reason Code (01/02)	Facilitation only (Yes/No)	Snag Sheet Ref.
Limited Repair (Yes/No)	Send to STAC (Yes/No)	Delay Item (Yes/No)

Cause of Removal

SLEEVE DAMAGE AT T/E 8 O'CLOCK LOCATION MARKED.

A/c Regn.	Position	NHA P/N	NHA S/N
ALA	RH ENG		

Installation Checks (Applicable to Maintenance and only for T/L2 and T/L3 parts)

	TECH.	AME	Date		TECH.	AME	Date
OK to Fit			1	Double Check			1
Mounting, Plumbing Security				Leaks and Calibration			
Double Check			11/11/11	Run-up and Final Completion			11/11/11
Electrical Connections Security				Original Item reinstalled (Yes/No)			
Proper Operation Security Check							

PROSPER UPDATE BY :

DATE :

QUERY TAG NO.:

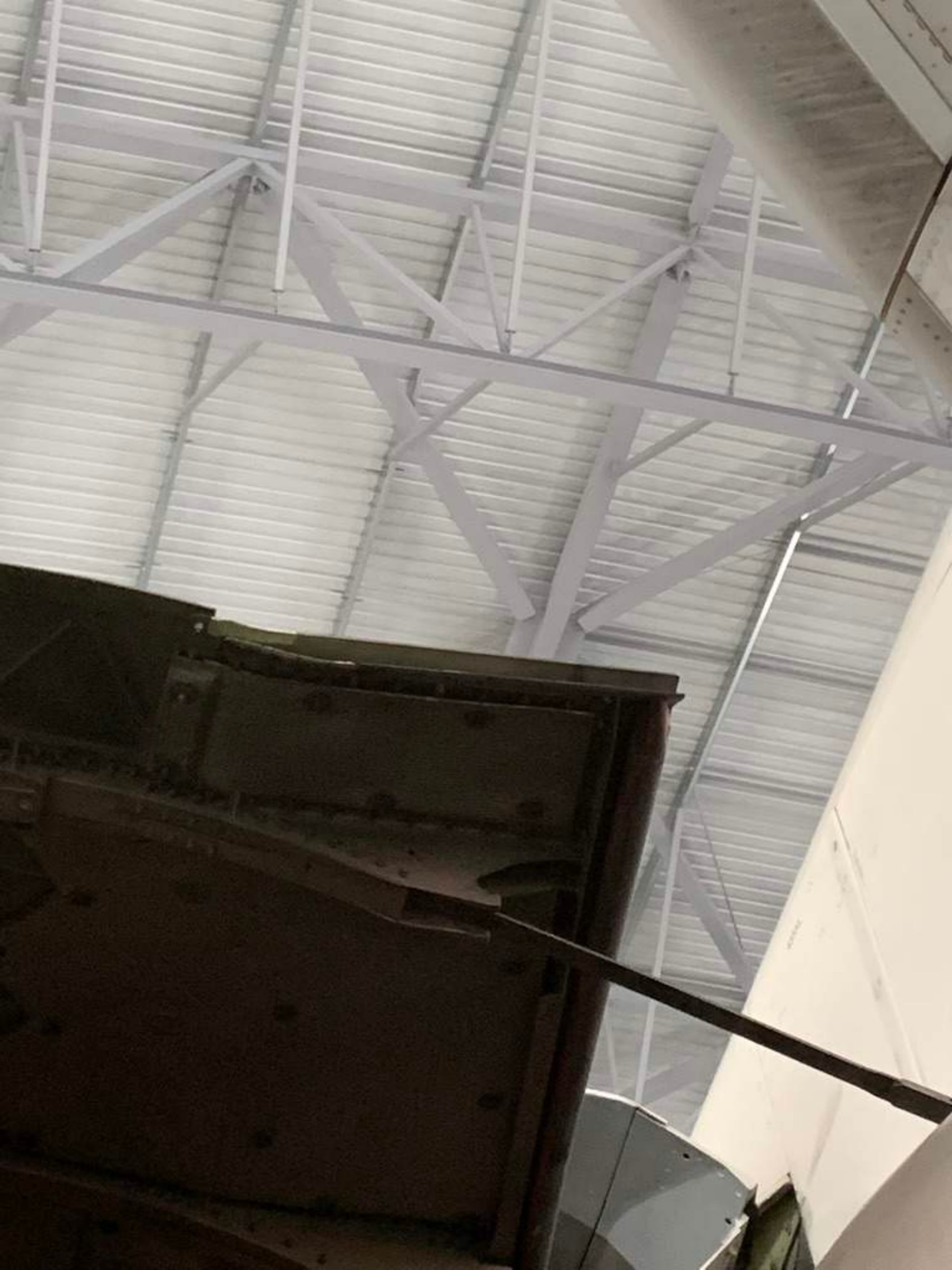
MINI PACK

AJW

**SPIRIT AEROSYSTEMS TR
RECTIFICATIONS**











MINI PACK

AJW

WO-58112 Item 23





TARMAC ARAGON
CTRA A-1512 DE ALBARRACIN KM6
44396 Teruel - Spain
VAT # ES B-44241933

Print date 17/10/2018 15:25
SCAN REF: 58112_539_579

WORK ORDER

NON ROUTINE

page 1 of 3

Order Ref.: WO-58112

Title NRC - 36302 - 539 - 035 - ENG#2 L/H REV - HOLE IN LOWER AFT BLANKET

Y/Ref ENG#2 L/H REV IDN23

Date 17/10/2018 8:36:59

ATA 7800 EXHAUST



WO-58112

AIRCRAFT

COMPONENT

Reg. A6-LRC
Type B777-237LR
GE90-110B
MSN 36302

Mandatory (Y/N) Y
WP-539

ETOPS (Y/N) N

NRC : WO-58081

MNT.PROG:

Prepared by

Sonia CANALES
eSigned

Received by

LIMIT FH
FC
Date

NEXT DUE MANAGED BY THE OPERATOR

COMPLAINT / REQUESTED WORK

TASK PERFORMED

NRC (13) / Origin WO-58081

Eng#2 I/H Reverser
P/N 315W1298-25
S/N 000565

Inspection criteria: Thrust Reverser Thermal
Insulation

Blanket Inspection - Examine the hot side of the
thermal insulation blankets for tears and cuts in the
metal-faced thermal insulation blanket

IAW 78-31-06-200-801-H01 Rev 84 Date Sept 05,
2018

Findings: Lower aft blanket has a hole measuring
1.25 x .6 through entire thickness

Disposition: Repair lower aft blanket •

REPAIRED I.A.W. AMM 78-31-06-200-801-H01

REV. 84 05 SEP 2018

CONSUMABLE MATERIALS:

- RTU 106

- SHEET - 301 SERIES CRES 0.020

DATE: 12 NOV 2018

H.M.P.

note: see next page if there is not enough room here

Engineer ID	hh:mm	Engineer ID	hh:mm	Deferred	DEF	NON ROUTINE	NRC	Complied With	CW
#1 H.M.P.		#5		Ref:	☐	Ref:	☐	(NRC possible)	☒
#2 F.V.P.		#6		Calibrated Tools	P/N - DESC	S/N	VALID UNTIL		
#3		#7			P/N - DESC	S/N	VALID UNTIL		
#4		#8							

COMPONENT REMOVED DESC
P/N S/N POS

COMPONENT INSTALLED DESC
P/N S/N POS

RELEASE REF

DUPLICATE

We certify that a duplicate safety inspection has been carried out and
the identified control system of the aircraft / component functions
correctly, and in respect of the maintenance performed, the control
system is assembled and locked correctly.

AUTH No DATE TRIG SIGN/STAMP

--	--	--	--

CERTIFICATION

TRIG *CAT*
DATE & HOUR 12 NOV 18
PART-145 App No UAE.145.1203
PLACE *REV*
SIGN/STAMP



reserved
for administration



TARMAC
ARAGÓN

WORK ORDER

Reference: **WO- 58112**

Title **NRC - 36302 - 539 - 035 - ENG#2 L/H REV - HOLE IN LOWER AFT BLANKET**

Date **17/10/2018 8:36:59**

ATA **7800 EXHAUST**

page 2 of 3

COMPLAINT / REQUESTED WORK (FULL TEXT)	COMPLETED TASK & RESULTS DATE / ID / SIGN
NRC (13) / Origin WO-58081 Eng#2 I/H Reverser P/N 315W1298-25 S/N 000565 Inspection criteria:Thrust Reverser Thermal Insulation Blanket Inspection - Examine the hot side of the thermal insulation blankets for tears and cuts in the metal-faced thermal insulation blanket IAW 78-31-06-200-801-H01 Rev 84 Date Sept 05, 2018 Findings: Lower aft blanket has a hole measuring 1.25 x .6 through entire thickness Disposition: Repair lower aft blanket •	



TARMAC
ARAGÓN

TARMAC ARAGON
CTRA A-1512 DE ALBARRACIN KM6
44396 Teruel - Spain
VAT # ES B-44241933

Print date 17/10/2018 15:25

WORK ORDER

NON ROUTINE

page 3 of 3

Order Ref.: **WO- 58112**

Title **NRC - 36302 - 539 - 035 - ENG#2 L/H REV - HOLE IN LOWER AFT BLANKET**

COMPONENT REMOVAL

P/N	NIL	DESCRIPTION
SERIAL		REASON
POS		

COMPONENT INSTALLATION

P/N	NIL	DESCRIPTION
SERIAL		CERTIFICATE
POS		

MATERIAL ISSUED

QUANTITY	P/N	DESCRIPTION	FIN	IPC
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MINI PACK

AJW

WO-58118 Item 30





TARMAC ARAGON
CTRA A-1512 DE ALBARRACIN KM6
44396 Teruel - Spain
VAT # ES B-44241933

Print date 17/10/2018 15:25
SCAN REF: 58118_539_579

WORK ORDER

NON ROUTINE

page 1 of 3

Order Ref.: WO- 58118

Y/Ref ENG#2 L/H REV IDN30

ATA 7800 EXHAUST

Title NRC - 36302 - 539 - 036 - ENG#2 L/H REV - RUBBER SUPPORT BUMPER PADS

Date 17/10/2018 8:51:47



WO-58118

AIRCRAFT

COMPONENT

Reg. A6-LRC
Type B777-237LR
GE90-110B
MSN 36302

Mandatory (Y/N) Y
WP-539

ETOPS (Y/N) N

NRC : WO-58081

MNT.PROG:

Prepared by

Sonia CANALES
eSigned

Received by

LIMIT FH
FC
Date

NEXT DUE MANAGED BY THE OPERATOR

COMPLAINT / REQUESTED WORK

TASK PERFORMED

NRC (14) / Origin WO-58081

Eng#2 I/H Reverser
P/N 315W1298-25
S/N 000565

Inspection criteria: Thrust Reverser Blocker Door
Inspection -
Inspect for a silicone rubber pad on the bumper that
is loose, missing, or bond line is peeled from
countersunk washer
IAW 78-31-14-200-803-H00 Rev 84 Date Sept 05,
2018

Findings: Rubber support bumper pads missing
@door positions 5, 6, 7 and 8

Disposition: Replace positions 5,6,7, and 8 rubber
support bumper pads

PERFORMED I.A.W. AHM 78-31-14-200-803-H00

REV. 84 DATE: 05 SEP 2018

[Signature]
H.M.P.

DATE: 15 NOV 2018

note: see next page if there is not enough room here

Engineer ID	hh:mm	Engineer ID	hh:mm
#1 H.M.P.		#5	
#2 F.V.P.		#6	
#3		#7	
#4		#8	

Deferred

DEF

NON ROUTINE

NRC

Complied With
(NRC possible)

CW
☒

Ref:

Ref:

Calibrated
Tools

P/N - DESC

S/N

VALID UNTIL

P/N - DESC

S/N

VALID UNTIL

COMPONENT REMOVED DESC

P/N S/N POS

COMPONENT INSTALLED DESC

P/N S/N POS

RELEASE REF

DUPLICATE

We certify that a duplicate safety inspection has been carried out and
the identified control system of the aircraft / component functions
correctly, and in respect of the maintenance performed, the control
system is assembled and locked correctly.

AUTH No

DATE

TRIG

SIGN/STAMP

CERTIFICATION

TRIG

DATE & HOUR

PART-145 App No

PLACE

SIGN/STAMP

CHT

17 NOV 18

UAE.145.1203

[Signature]



reserved
for administration



TARMAC
ARAGÓN

WORK ORDER

Reference: WO- 58118

Title NRC - 36302 - 539 - 036 - ENG#2 L/H REV - RUBBER SUPPORT BUMPER PADS

Date 17/10/2018 8:51:47

ATA 7800 EXHAUST

page 2 of 3

COMPLAINT / REQUESTED WORK (FULL TEXT)	COMPLETED TASK & RESULTS DATE / ID / SIGN
NRC (14) / Origin WO-58081 Eng#2 I/H Reverser P/N 315W1298-25 S/N 000565 Inspection criteria: Thrust Reverser Blocker Door Inspection - Inspect for a silicone rubber pad on the bumper that is loose, missing, or bond line is peeled from countersunk washer IAW 78-31-14-200-803-H00 Rev 84 Date Sept 05, 2018 Findings: Rubber support bumper pads missing @door positions 5, 6, 7 and 8 Disposition: Replace positions 5,6,7, and 8 rubber support bumper pads .	



TARMAC ARAGON
CTRA A-1512 DE ALBARRACIN KM6
44396 Teruel - Spain
VAT # ES B-44241933

Print date 17/10/2018 15:25

WORK ORDER

NON ROUTINE

page 3 of 3

Order Ref.: WO- 58118

Title NRC - 36302 - 539 - 036 - ENG#2 L/H REV - RUBBER SUPPORT BUMPER PADS

COMPONENT REMOVAL

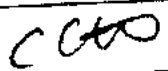
P/N	NIL	DESCRIPTION
SERIAL		REASON
POS		

COMPONENT INSTALLATION

P/N	NIL	DESCRIPTION
SERIAL		CERTIFICATE
POS		

MATERIAL ISSUED

QUANTITY	P/N	DESCRIPTION	FIN	IPC
----------	-----	-------------	-----	-----

1. Approving Civil Aviation Authority/Country: FAA/UNITED STATES		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG			3. Form Tracking Number: 00635786	
4. Organization Name and Address: THE BOEING COMPANY, 1901 OAKESDALE AVE SW, M/C 34-02 RENTON, WA 98057-2623				5. Work Order/Contract/Invoice Number: 616866		
6. Item:		7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:
000001	BUMPER ASSY - BLOCKER DOOR 81893631		315W3524-6	10 EA	N/A	NEW
12. Remarks: 5008 5TM SUPPLEMENTAL SHIPMENT.						
13a. Certifies the item identified above were manufactured in conformity to:			14a. ☐ 14 CFR 43.9 Return to Service ☐ Other regulation specified in Block 12			
☒ Approved design data and are in a condition for safe operation. ☐ Non-approved design data specified in Block 12.			Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.			
13b. Authorized Signature: 		13c. Approval/Authorization No: ODA-300064-NM		14b. Authorized Signature:		14c. Approval/Certificate No:
13d. Name (Typed or Printed): C. CARTER		13e. Date (dd/mm/yyyy): 11/NOV/2018		14d. Name (Typed or Printed):		14e. Date (dd/mm/yyyy):

User/Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article.

Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1.

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

MINI PACK

AJW

WO-58120 Item 35





TARMAC ARAGON
CTRA A-1512 DE ALBARRACIN KM6
44396 Teruel - Spain
VAT # ES B-44241933

Print date 17/10/2018 15:25
SCAN REF: 58120_539_579

WORK ORDER

NON ROUTINE

page 1 of 3

Order Ref.: WO- 58120
Y/Ref ENG#2 L/H REV IDN35
ATA 7800 EXHAUST

Title NRC - 36302 - 539 - 037 - ENG#2 L/H REV - WEAR PADS MISSING ON DOORS (2
Date 17/10/2018 8:55:06



WO-58120

AIRCRAFT

COMPONENT

Reg. A6-LRC
Type B777-237LR
GE90-110B
MSN 36302

Mandatory (Y/N) Y ETOPS (Y/N) N
WP-539 NRC : WO-58081

MNT.PROG:

Prepared by Sonia CANALES
eSigned

Received by

LIMIT FH
FC
Date

NEXT DUE MANAGED BY THE OPERATOR

COMPLAINT / REQUESTED WORK

TASK PERFORMED

NRC (15) / Origin WO-58081

Eng#2 I/H Reverser
P/N 315W1298-25
S/N 000565

Inspection criteria: Thrust Reverser Blocker Door
Inspection -
Inspect the two blocker door pads on the thrust
reverser sleeve for each blocker door.
IAW 78-31-14-200-803-H00 Rev 84 Date Sept 05,
2018

Findings: Wear pads missing on the following
doors: (2ea) at position 8 and (1ea) at position 6.

Disposition: Install in position 6 & 8 wear pads •

PERFORMED I.A.W. AMM 78-31-14-200-803-1000

REV. 32 DATE: 05 SEP 2018

CONSUMABLE MATERIALS:

-RTU 106

H.H.P.
H.H.P.

DATE: 14 NOV 2018

note: see next page if there is not enough room here

Engineer ID	hh:mm	Engineer ID	hh:mm
#1 H.M.P.		#5	
#2 F.V.P.		#6	
#3		#7	
#4		#8	

Deferred ☐ DEF NON ROUTINE ☐ NRC Complied With ☒ C/W
(NRC possible)

Ref:

Ref:

Calibrated
Tools

P/N - DESC
P/N - DESC

S/N
S/N

VALID UNTIL
VALID UNTIL

COMPONENT REMOVED DESC

P/N S/N POS

COMPONENT INSTALLED DESC

P/N S/N POS

RELEASE REF

DUPLICATE

We certify that a duplicate safety inspection has been carried out and
the identified control system of the aircraft / component functions
correctly, and in respect of the maintenance performed, the control
system is assembled and locked correctly.

AUTH No

DATE

TRIG

SIGN/STAMP

CERTIFICATION

TRIG

DATE & HOUR 14 NOV 18

PART-145 App No UAE.145.1203

PLACE

SIGN/STAMP

reserved
for administration



TARMAC
ARAGÓN

WORK ORDER

Reference: **WO- 58120**

Title **NRC - 36302 - 539 - 037 - ENG#2 L/H REV - WEAR PADS MISSING ON DOORS (2**

Date **17/10/2018 8:55:06**

ATA **7800 EXHAUST**

page 2 of 3

COMPLAINT / REQUESTED WORK (FULL TEXT)	COMPLETED TASK & RESULTS DATE / ID / SIGN
NRC (15) / Origin WO-58081 Eng#2 I/H Reverser P/N 315W1298-25 S/N 000565 Inspection criteria: Thrust Reverser Blocker Door Inspection - Inspect the two blocker door pads on the thrust reverser sleeve for each blocker door. IAW 78-31-14-200-803-H00 Rev 84 Date Sept 05, 2018 Findings: Wear pads missing on the following doors: (2ea) at position 8 and (1ea) at position 6. Disposition: Install in position 6 & 8 wear pads •	



TARMAC ARAGON
CTRA A-1512 DE ALBARRACIN KM6
44396 Teruel - Spain
VAT # ES B-44241933

Print date 17/10/2018 15:25

WORK ORDER

NON ROUTINE

page 3 of 3

Order Ref.: WO- 58120

Title NRC - 36302 - 539 - 037 - ENG#2 L/H REV - WEAR PADS MISSING ON DOORS (2

COMPONENT REMOVAL

P/N	NIL	DESCRIPTION
SERIAL		REASON
POS		

COMPONENT INSTALLATION

P/N	NIL	DESCRIPTION
SERIAL		CERTIFICATE
POS		

MATERIAL ISSUED

QUANTITY	P/N	DESCRIPTION	FIN	IPC
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1. Approving Civil Aviation Authority/Country: FAA/UNITED STATES		AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG			3. Form Tracking Number: 00614641	
4. Organization Name and Address: THE BOEING COMPANY, 1901 OAKESDALE AVE SW, M/C 34-02 RENTON, WA 98057-2623 P.C. #700					5. Work Order/Contract/Invoice Number: 596473	

6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:
000001	FIRE SEAL, AFT COWL	81839950	315W1316-59	1 EA	N/A NEW
000002	MARKER - BP TURBO OIL	81839951	BAC27WPP359	1 EA	N/A NEW
000003	WEAR PAD	81839952	315W5529-4	6 EA	N/A NEW
000004	FIRESEAL ASSY	81839953	315W1316-47	1 EA	N/A NEW
000005	WEAR PAD	81839954	315W5529-4	4 EA	N/A NEW
000006	WEAR PAD	81839955	315W5529-4	1 EA	N/A NEW
000007	WEAR PAD	81839974	315W5529-4	1 EA	N/A NEW
000008	BUSHING, FLANGED	81839975	BACB28AT04C019A	1 EA	N/A NEW

WV: 58120.

TARMAC AEROSAVE
 COPY MADE ON (DATE) 03/11/18
 UNDER A BATCH SPLIT OF 1 PARTS OUT OF A TOTAL OF 1
 CONCERNED SERIAL NUMBERS:

12. Remarks: 5008 5TM SUPPLEMENTAL SHIPMENT.		Page 1 of 1	SHIPMENT: 596473
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13a. Certifies the item identified above were manufactured in conformity to:

☒ Approved design data and are in a condition for safe operation.
☐ Non-approved design data specified in Block 12.

14a. ☐ 14 CFR 43.9 Return to Service ☐ Other regulation specified in Block 12

Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.

13b. Authorized Signature:	13c. Approval/Authorization No: ODA-300064-NM	14b. Authorized Signature:	14c. Approval/Certificate No:
13d. Name (Typed or Printed): C. CARTER	13e. Date (dd/mmm/yyyy): 30/OCT/2018	14d. Name (Typed or Printed):	14e. Date (dd/mmm/yyyy):

User/Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article.

Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1.

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

MINI PACK

AJW

WO-58130 Item 37





TARMAC ARAGON
CTRA A-1512 DE ALBARRACIN KM6
44396 Teruel - Spain
VAT # ES B-44241933

Print date 17/10/2018 15:25
SCAN REF: 58130_539_579

WORK ORDER

NON ROUTINE

page 1 of 3

Order Ref.: WO- 58130

Y/Ref ENG#2 L/H REV IDN37

ATA 7800 EXHAUST

Title NRC - 36302 - 539 - 038 - ENG#2 L/H REV - WORN AFT EDGE, AFT COWL SKIN

Date 17/10/2018 9:04:41



WO-58130

AIRCRAFT

COMPONENT

Reg. A6-LRC

Type B777-237LR
GE90-110B

MSN 36302

Mandatory (Y/N) Y

WP-539

ETOPS (Y/N) N

NRC : WO-58081

MNT.PROG:

Prepared by

Sonia CANALES

eSigned

Received by

LIMIT FH
FC
Date

NEXT DUE MANAGED BY THE OPERATOR

COMPLAINT / REQUESTED WORK

TASK PERFORMED

NRC (16) / Origin WO-58081

Eng#2 I/H Reverser

P/N 315W1298-25

S/N 000565

Inspection criteria: Visual inspection of thrust reverser assembly

Findings: Aft cowl skin, aft edge has material wear measuring ~ 1.5 x .9 x up to .1 deep

Disposition: Repair aft cowl skin

PERFORMED I.A.W. SRN 51-10-02-06-0

REV. 78 15 SEP. 2018

[Signature]
H.H.P.

DATE: 15.11.2018

note: see next page if there is not enough room here

Engineer ID	hh:mm	Engineer ID	hh:mm
#1 H.H.P.		#5	
#2 F.V.P.		#6	
#3		#7	
#4		#8	

Deferred	DEF ☐	NON ROUTINE	NRC ☐	Complied With (NRC possible)	CW ☒
Ref:		Ref:			

Calibrated Tools	P/N - DESC	S/N	VALID UNTIL
	P/N - DESC	S/N	VALID UNTIL

COMPONENT REMOVED DESC
P/N S/N POS

COMPONENT INSTALLED DESC
P/N S/N POS

RELEASE REF	AUTH No	DATE	TRIG	SIGN/STAMP

DUPLICATE

We certify that a duplicate safety inspection has been carried out and the identified control system of the aircraft / component functions correctly, and in respect of the maintenance performed, the control system is assembled and locked correctly.

CERTIFICATION

TRIG *CAF*
DATE & HOUR 15/10/18
PART-145 App No UAE.145.1203
PLACE *TEY* TAE 085
SIGN/STAMP *[Signature]*

reserved
for administration



TARMAC
ARAGÓN

WORK ORDER

Reference: **WO- 58130**

Title **NRC - 36302 - 539 - 038 - ENG#2 L/H REV - WORN AFT EDGE, AFT COWL SKIN**

Date **17/10/2018 9:04:41**

ATA **7800 EXHAUST**

page 2 of 3

COMPLAINT / REQUESTED WORK (FULL TEXT)	COMPLETED TASK & RESULTS DATE / ID / SIGN
NRC (16) / Origin WO-58081 Eng#2 I/H Reverser P/N 315W1298-25 S/N 000565 Inspection criteria: Visual inspection of thrust reverser assembly Findings: Aft cowl skin, aft edge has material wear measuring ~ 1.5 x .9 x up to .1 deep Disposition: Repair aft cowl skin .	



TARMAC ARAGON
CTRA A-1512 DE ALBARRACIN KM6
44396 Teruel - Spain
VAT # ES B-44241933

Print date 17/10/2018 15:25

WORK ORDER

NON ROUTINE

page 3 of 3

Order Ref.: WO- 58130

Title NRC - 36302 - 539 - 038 - ENG#2 L/H REV - WORN AFT EDGE, AFT COWL SKIN

COMPONENT REMOVAL

P/N	NIL	DESCRIPTION
SERIAL		REASON
POS		

COMPONENT INSTALLATION

P/N	NIL	DESCRIPTION
SERIAL		CERTIFICATE
POS		

MATERIAL ISSUED

QUANTITY	P/N	DESCRIPTION	FIN	IPC
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MINI PACK

AJW

WO-58133 Item 38





TARMAC ARAGON
CTRA A-1512 DE ALBARRACIN KM6
44396 Teruel - Spain
VAT # ES B-44241933

Print date 17/10/2018 15:25
SCAN REF: 58133_539_579

WORK ORDER

NON ROUTINE

page 1 of 3

Order Ref.: WO- 58133
Y/Ref ENG#2 L/H REV IDN38
ATA 7800 EXHAUST

Title NRC - 36302 - 539 - 039 - ENG#2 L/H REV - REPAIR LATCH BEAM
Date 17/10/2018 9:13:48



WO-58133

AIRCRAFT

COMPONENT

Reg. A6-LRC
Type B777-237LR
GE90-110B
MSN 36302

Mandatory (Y/N) Y ETOPS (Y/N) N
WP-539
MNT.PROG: NRC : WO-58081

Prepared by Sonia CANALES
eSigned

Received by

LIMIT FH
FC
Date

NEXT DUE MANAGED BY THE OPERATOR

COMPLAINT / REQUESTED WORK

TASK PERFORMED

NRC (17) / Origin WO-58081

Eng#2 I/H Reverser
P/N 315W1298-25
S/N 000565

Inspection criteria: Visual inspection of thrust
reverser assembly

Findings: Lower latch door retainers are installed
into latch beam

Disposition: Remove retainers and repair latch
beam •

LATCH BEAM ADJUSTMENT I.A.W.

AMM 78-31-04-820-801-H01

REV. 84 05 SEP. 2018

H.M.P.

DATE: 15. NOV. 2018

note: see next page if there is not enough room here

Engineer ID	hh:mm	Engineer ID	hh:mm	Deferred	DEF	NON ROUTINE	NRC	Complied With	C/W
#1	H.M.P.	#5		Ref:	☐	Ref:	☐	(NRC possible)	☒
#2	F.V.P.	#6		Calibrated Tools	P/N - DESC	S/N	VALID UNTIL		
#3		#7			P/N - DESC	S/N	VALID UNTIL		
#4		#8							

COMPONENT REMOVED DESC
P/N S/N POS

COMPONENT INSTALLED DESC
P/N S/N POS
RELEASE REF

DUPLICATE

We certify that a duplicate safety inspection has been carried out and
the identified control system of the aircraft / component functions
correctly, and in respect of the maintenance performed, the control
system is assembled and locked correctly.

AUTH No DATE TRIG SIGN/STAMP

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CERTIFICATION

TRIG CPT
DATE & HOUR 15 NOV 18
PART-145 App No UAE.145.1203
PLACE TEL
SIGN/STAMP

reserved
for administration



TARMAC
ARAGON

WORK ORDER

Reference: WO- 58133

Title NRC - 36302 - 539 - 039 - ENG#2 L/H REV - REPAIR LATCH BEAM

Date 17/10/2018 9:13:48

ATA 7800 EXHAUST

page 2 of 3

COMPLAINT / REQUESTED WORK (FULL TEXT)	COMPLETED TASK & RESULTS DATE / ID / SIGN
NRC (17) / Origin WO-58081 Eng#2 I/H Reverser P/N 315W1298-25 S/N 000565 Inspection criteria: Visual inspection of thrust reverser assembly Findings: Lower latch door retainers are installed into latch beam Disposition: Remove retainers and repair latch beam •	



TARMAC ARAGON
CTRA A-1512 DE ALBARRACIN KM6
44396 Teruel - Spain
VAT # ES B-44241933

Print date 17/10/2018 15:25

WORK ORDER

NON ROUTINE

page 3 of 3

Order Ref.: WO- 58133

Title NRC - 36302 - 539 - 039 - ENG#2 L/H REV - REPAIR LATCH BEAM

COMPONENT REMOVAL

P/N	NIL	DESCRIPTION
SERIAL		REASON
POS		

COMPONENT INSTALLATION

P/N	NIL	DESCRIPTION
SERIAL		CERTIFICATE
POS		

MATERIAL ISSUED

QUANTITY	P/N	DESCRIPTION	FIN	IPC
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MINI PACK

AJW

WO-58134 Item 39





TARMAC ARAGON
CTRA A-1512 DE ALBARRACIN KM6
44396 Teruel - Spain
VAT # ES B-44241933

Print date 17/10/2018 15:25
SCAN REF: 58134_539_579

WORK ORDER

NON ROUTINE

page 1 of 3

Order Ref.: WO- 58134

Y/Ref ENG#2 L/H REV IDN39

ATA 7800 EXHAUST

Title NRC - 36302 - 539 - 040 - ENG#2 L/H REV - #4 UPPER RECEIVER CUP WORN

Date 17/10/2018 9:20:18



WO-58134

AIRCRAFT

COMPONENT

Reg. A6-LRC
Type B777-237LR
GE90-110B
MSN 36302

Mandatory (Y/N) Y
WP-539

ETOPS (Y/N) N

NRC : WO-58081

MNT.PROG:

Prepared by

Sonia CANALES
eSigned

Received by

LIMIT FH
FC
Date

NEXT DUE MANAGED BY THE OPERATOR

COMPLAINT / REQUESTED WORK

TASK PERFORMED

NRC (18) / Origin WO-58081

Eng#2 I/H Reverser
P/N 315W1298-25
S/N 000565

Inspection criteria: Visual inspection of thrust
reverser assembly

Findings: Upper #4 receiver cup has material wear
measuring ~ .5 x .4 x .03 deep

Disposition: Replace #4 upper receiver cup. •

WV AMH: 20-00-00 REV 84
DATE SEPT 08, 2018



UPPER RECEIVER CUP REPLACED IN
ENG #2 I/H REVERSER, POSITION #4.
CONSUMABLE MATERIAL. P/N 315W1720-2
NO FINDINGS.

EAW *[Signature]*
09 NOV 2018

note: see next page if there is not enough room here

Engineer ID	hh:mm	Engineer ID	hh:mm
#1 EAW		#5	
#2 JCS		#6	
#3		#7	
#4		#8	

Deferred	DEF ☐	NON ROUTINE	NRC ☐	Complied With (NRC possible)	C/W ☒
Ref:		Ref:			

Calibrated Tools	P/N - DESC	S/N	VALID UNTIL
	P/N - DESC	S/N	VALID UNTIL

COMPONENT REMOVED DESC
P/N S/N POS

COMPONENT INSTALLED DESC
P/N S/N POS

RELEASE REF

DUPLICATE

We certify that a duplicate safety inspection has been carried out and the identified control system of the aircraft / component functions correctly, and in respect of the maintenance performed, the control system is assembled and locked correctly.

AUTH No DATE TRIG SIGN/STAMP

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CERTIFICATION

TRIG JLT
DATE & HOUR 07/11/18 13:15
PART-145 App No UAE.145.1203
PLACE TEV
SIGN/STAMP *[Signature]* TAE 188

reserved
for administration



TARMAC
ARAGÓN

WORK ORDER

Reference: **WO- 58134**

Title **NRC - 36302 - 539 - 040 - ENG#2 L/H REV - #4 UPPER RECEIVER CUP WORN**

Date **17/10/2018 9:20:18**

ATA **7800 EXHAUST**

page 2 of 3

COMPLAINT / REQUESTED WORK (FULL TEXT)	COMPLETED TASK & RESULTS DATE / ID / SIGN
NRC (18) / Origin WO-58081 Eng#2 I/H Reverser P/N 315W1298-25 S/N 000565 Inspection criteria: Visual inspection of thrust reverser assembly Findings: Upper #4 receiver cup has material wear measuring ~ .5 x .4 x .03 deep Disposition: Replace #4 upper receiver cup. •	



TARMAC
ARAGÓN

TARMAC ARAGON
CTRA A-1512 DE ALBARRACIN KM6
44396 Teruel - Spain
VAT # ES B-44241933

Print date 17/10/2018 15:25

WORK ORDER

NON ROUTINE

page 3 of 3

Order Ref.: WO- 58134

Title NRC - 36302 - 539 - 040 - ENG#2 L/H REV - #4 UPPER RECEIVER CUP WORN

COMPONENT REMOVAL

P/N	NIL	DESCRIPTION
SERIAL		REASON
POS		

COMPONENT INSTALLATION

P/N	NIL	DESCRIPTION
SERIAL		CERTIFICATE
POS		

MATERIAL ISSUED

QUANTITY	P/N	DESCRIPTION	FIN	IPC
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1. Approving Civil Aviation
Authority/Country:
FAA/UNITED STATES

2.

AUTHORIZED RELEASE CERTIFICATE

FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG

3. Form Tracking Number:

00612865

4. Organization Name and Address:

THE BOEING COMPANY, 1901 OAKESDALE AVE SW, M/C 34-02 RENTON, WA 98057-2623

P.C.#700

5. Work Order/Contract/Invoice Number:
594677

6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:
000001	LAMINATED PLACARD	81839956	1 EA	N/A	NEW
000002	LAMINATED PLACARD	81839957	1 EA	N/A	NEW
000003	DO NOT SIT SYMBOL, DO NOT SIT HERE (ARAB)	81839958	2 EA	N/A	NEW
000004	ALUMINUM FOIL MARKER	81839959	1 EA	N/A	NEW
000005	ALUMINUM FOIL MARKER	81839960	1 EA	N/A	NEW
000006	POLYESTER MARKER- SMOKE DETECTION KEEP C	81839961	4 EA	N/A	NEW
000007	MARKER	81839962	2 EA	N/A	NEW
000008	POLYESTER MARKER- CAUTION DOOR AREA KEEP	81839963	2 EA	N/A	NEW
000009	RECEIVER - COMPRESSION, UPPER	81839964	2 EA	N/A	NEW
000010	RECEIVER - COMPRESSION, UPPER	81839966	1 EA	N/A	NEW

12. Remarks: 5002

STM

Page 1 of 2

SHIPMENT:594677

AIRWORTHINESS APPROVAL.

13a. Certifies the item identified above were manufactured in conformity to:

☒ Approved design data and are in a condition for safe operation.

☐ Non-approved design data specified in Block 12.

14a. ☐ 14 CFR 43.9 Return to Service ☐ Other regulation specified in Block 12

Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.

13b. Authorized
Signature:

13c. Approval/Authorization No:
ODA-300064-NM

14b. Authorized
Signature:

14c. Approval/Certificate No:

13d. Name (Typed or Printed):
JEFF WHILDIN

13e. Date (dd/mm/yyyy):
30/OCT/2018

14d. Name (Typed or Printed):

14e. Date (dd/mm/yyyy):

User/Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article.

Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1.

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

FAA Form 8130-3 (02-14)

NSN: 0052-00-012-9005