


# Release Report

MSN	A/C Engine Type	Hrs/Cycles
30414	B737 - CFM56-7	40805 /15069


Report Date	27/01/2017			
Component	Engine #	Part #	Serial #	Aircraft Reg
THRUST REVERSER ASSY LH	ENGINE 1	315A2295-171	000725	VQ-BNK

#	Criteria	Findings	Repair Proposal	Photograph
1	Data Plate, Note all Service Bulletins on data plate	Service Bulletin noted: B737 78-1082 Rev 00.		
2	Actuators for, Cracks	No Obvious Damage	N/A	
3	Actuators Seals for, Leaks All seals dynamic 4dpm permit for normal operation. All seals dynamic 5dpm permit for flight must be repaired at repair station	No Obvious Damage	N/A	
4	Tube connections, No leaks permitted	No Obvious Damage	N/A	
5	Hydraulic fittings and connections, Damage, leaks	No Obvious Damage	N/A	

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#	Criteria	Findings	Repair Proposal	Photograph
6	Actuator Rod Ends Damage,	Unable to inspect Actuator Rod Ends due to limited access.		
7	Sync- Shafts for, Damage, AMM 78-31-04	No Obvious Damage	N/A	
8	Rotary Flexi Shaft Tubes Damage, cracks	No Obvious Damage	N/A	
9	Translating sleeve, Cracks	No Obvious Damage	N/A	
10	Translating sleeve, Outer Bondment for, Delamination, Damage AMM 78-31-02	10a. Translating Sleeve Outer Bondment has chafing / wear noted at the fwd. upper and lower inner edges. Re-apply Teflon coating after sealing edges. 10b. Translating Sleeve Outer Bondment, inner skin, noted with areas of missing primer.	[a] Repair as per B737-800 CFM56-7 CMM. [b] Repair as per B737-800 CFM56-7 CMM. <a href="#">[Ref B737 AMM Task 78-31-02-200-801-F00]</a> .	

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#	Criteria	Findings	Repair Proposal	Photograph
11	Translating sleeve, Inner Bondment solid skin for, Delamination, Wear AMM 78-31-02	No Obvious Damage	N/A	
12	Translating sleeve, Inner Bondment Perf for, Delamination, holes, nicks AMM 78-31-02	No Obvious Damage	N/A	
13	Translating Sleeve Aft fairings (Beaver tails) for, Damage, Cracks	No Obvious Damage	N/A	
14	Translating sleeve aft fairings (Beaver tail) seals for, Damage, Wear	Translating Sleeve aft fairing upper and lower seals noted as worn /perished.	Repair to replace as per B737-800 CFM56-7 CMM/IPL. [Ref B737-800 CFM 56-7 AMM Task 78-31-02-801-F00]	
15	Blocker Doors for, Cracks, AMM 78-31-06	No Obvious Damage	N/A	

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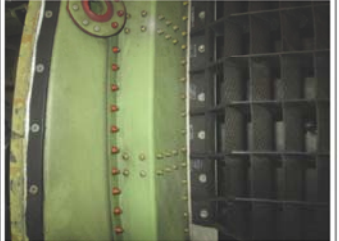
#	Criteria	Findings	Repair Proposal	Photograph
16	Blocker Doors with excessive movement Examine Hinges for, (Transleeve in extended pos) Loose nuts, bolt shank length, Axial movement of spherical bearing, Worn bushes to hinge, Wear to spherical bearing race, AMM 78-31-06	No Obvious Damage	N/A	
17	Blocker Door Hinge Fitting for, Cracks, Loose nuts, worn hinge bushings AMM 78-31-06	No Obvious Damage	N/A	
18	Blocker Door Drag Links for, Damage, Cracks, Looseness, Loose nuts, Free movement at connections, AMM 78-31-07	No Obvious Damage	N/A	
19	Trans sleeve Bull Nose Seal (Main fwd Air seal) Missing material, Holes, Wear AMM 78-31-23	No Obvious Damage	N/A	
20	Aux Slider Upper for, Cracks, wear to Rulon J, Missing Rulon J, Wear to base material, crack at base material AMM 78-31-02	No Obvious Damage	N/A	

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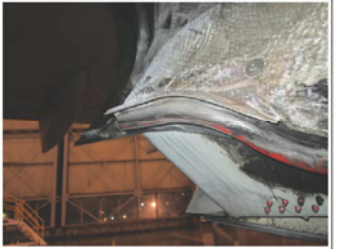

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#	Criteria	Findings	Repair Proposal	Photograph
21	Aux Slider Lower for, Cracks, wear to Rulon J, Missing Rulon J, Wear to base material, crack at base material AMM 78-31-02	No Obvious Damage	N/A	
22	Aux Track liner Upper, Gouges, Nicks, Burrs, Galling, Holes, Cracks, Wear AMM 78-31-02	No Obvious Damage	N/A	
23	Cascade Vanes for, Nicks, Cracks, Gouges, Corrosion, Fasteners, AMM 78-31-05	Cascade Vanes noted with missing torque seal to all fasteners. Check correct installation of all vanes.	Repair as per B737-800 CFM56-7 CMM. <a href="#">[Ref B737-800 CFM 56-7 AMM Task 78-31-02-801-F00]</a>	
24	Upper Compression Pads for, Shim Condition, Pad condition	No Obvious Damage	N/A	
25	Lower Compression Pads for, Shim Condition, Pad condition	No Obvious Damage	N/A	

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#	Criteria	Findings	Repair Proposal	Photograph
26	Fire Seals for, Missing Parts, Cracks, Damage AMM 78-31-12	26a. Upper Fire Seal noted as perished and worn at the aft location. 26b. Seal Block Assy. noted as perished and worn. 26c. Upper Flange Seals noted as damaged.	[a] Repair to replace as per B737-800 CMM/IPC. [b] Repair to replace as per B737-800 CFM56-7 CMM. [c] Repair to replace as per B737-800 CFM56-7 AMM. [Ref B737-800 CFM56-7 AMM 78-31-12-200-801-F00].	
27	Lwr Bifurcation (sidewall), Delamination, Damage, Corrosion AMM 78-31-01	No Obvious Damage	N/A	
28	Upr Bifurcation (sidewall), Delamination, Damage, Corrosion AMM 78-31-01	No Obvious Damage	N/A	
29	Inner Duct Wall, Delamination, Damage, Corrosion AMM 78-31-01	No Obvious Damage	N/A	
30	Inner Duct wall fwd Vee Blade, Wear,	Upper and Lower Inner Duct Wall Vee Blades noted with minor wear and poor finish to topcoat.	Repair option to blend and re-protect as per B737-800 SRM / CMM. [Ref B737-800 CFM56-7 AMM 78-31-00].	

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#	Criteria	Findings	Repair Proposal	Photograph
31	Fan duct Cowl fwd Vee blade Wear,	Torque box vee blade noted with minor wear throughout.	Repair as per B737-800 CFM56-7 CMM. [Ref B737-800 CFM56-7 AMM 78-31-00].	
32	Fan duct Cowl, Fwd Bulkhead Inner and Nylatron wear strip, Damage, wear	No Obvious Damage	N/A	
33	Transleeve access covers for, Damage, cracks	No Obvious Damage	N/A	
34	Latches for, Damage, correct fitting	No Obvious Damage	N/A	
35	Lower Beam Outer panel for, Damage,	No Obvious Damage	N/A	






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#	Criteria	Findings	Repair Proposal	Photograph
36	Lower beam for, Damage	No Obvious Damage	N/A	
37	Upper Beam for, Damage	No Obvious Damage	N/A	
38	Outer Torque box Rubstrips for, Damage, wear	Outer Torque Box rub strips noted as worn throughout.	Repair to replace as per B737-800 CFM56-7 CMM. [Ref B737-800 CFM 56-7 AMM, Task 78-31-01-200-801-F00].	
39	Decals for, Damage, missing	Lower fwd. bulkhead decals noted as missing and loose.	Repair to replace as per B737-800 CFM56-7 CMM. [Ref B737-800 CFM 56-7 AMM, Task 78-31-01-200-801-F00].	
40	Paint for, Chips, crazing	40a. Paint noted as in a poor condition. 40b. Trans. Cowl mate line noted with numerous cracks.	[a] Customer scheduled to repaint. [b] Customer scheduled to repaint aircraft. [Ref B737-800 CFM56-7 AMM 78-31-00].	




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#	Criteria	Findings	Repair Proposal	Photograph
41	Flap deflectors (inboard) for, Wear, damage (more than 0.5" change out) AMM 78-31-09	No Obvious Damage	N/A	
42	Insulation Blanket for, Damage, cracks, tears, holes Amm 78-31-13	42a. Upper and lower Heat Blankets noted with missing and cracked sealant. 42b. Upper Heat Blanket noted with 2 x previous repairs at the upper, No.1 Compression Pad location. Out of limits. 42c. Lower Heat Blanket noted with previous RTV repair at the lower No.3 Compression Pad location.	[a] Repair as per B737-800 CFM56-7 AMM. [b] Repair to replace upper heat blanket as per CMM / SRM. [c] Repair heat blanket as per B737 SL. [Ref B737-800 CFM56-7 AMM 78-31-00].	
43	Fire Barriers for, Loose, missing fasteners AMM 78-11-00 (ref 54-30-02)	No Obvious Damage	N/A	
44	Translating Cowl, Upper Main Shoe Slider for, Damage, Wear, disbonding, AMM 78-31-02	No Obvious Damage	N/A	
45	Translating Cowl, Lower Main Shoe Slider for, Damage, Wear, disbonding, AMM 78-31-02	No Obvious Damage	N/A	

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#	Criteria	Findings	Repair Proposal	Photograph
46	Compression fittings No 2 and 3 (fore to aft), adjacent area (IFS and H/Blankets) and the lower aft edge for, Discolouration and heat damage.	No Obvious Damage	N/A	
47	Aft cowl for, Damage, corrosion and pitting,	47a. Aft Cowl noted with loose upper bracket. 47b. Aft Cowl noted with wear to the upper aft corner.	[a] Repair to replace as per B737-800 CFM56-7 CMM. [b] Repair to blend and re-protect as per B737-800 CFM56-7 SRM. [Ref B737-800 CFM 56-7 AMM, Task 78-31-01-200-801-F00].	
48	Lower Beam Keel Seals for, Damage, wear, missing,	No Obvious Damage	N/A	
49	Forward Bulkhead, Plunger Receptor recess for, Cracks,	Forward bulkhead sensor roller noted as flattened and worn.	Repair to replace as per B737-800 CFM56-7 CMM. [Ref B737-800 CFM 56-7 AMM, Task 78-31-01-200-801-F00].	
50	Sync Loc for, Damage, missing,	No Obvious Damage	N/A	

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#	Criteria	Findings	Repair Proposal	Photograph
51	Aft Cascade beam for, Damage,	No Obvious Damage	N/A	
52	Aft Cascade upper and lower fittings for, Damage, cracks	No Obvious Damage	N/A	
53	Upper and Lower Erosion shields (fwd edge of upr and lwr bif) for, wear, damage	Inner Duct Wall upper and lower erosion shields noted as dented.	Repair to replace as per BOEING MSG. <a href="#">[Ref B737-800 CFM 56-7 AMM Task 78-31-01-200-801-F00]</a> .	
54	Lower Fwd. Seal	Lower Fwd. Seal and Bracket noted as damaged.	Repair to replace as per B737-800 CFM56-7 CMM. <a href="#">[Ref B737-800 CFM 56-7 AMM Task 78-31-01-200-801-F00]</a> .	
55	De-activation Fittings	Upper and lower De-activation Fittings noted as worn around locating holes.	Repair to replace as per B737-800 CFM56-7 CMM. <a href="#">[Ref B737-800 CFM 56-7 AMM Task 78-31-01-200-801-F00]</a> .	

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#	Criteria	Findings	Repair Proposal	Photograph
56	Aero seal	Aero seal noted as pre-SB B737-78-1074.	Repair to replace as per SB B737-78-1074. Airworthiness Directive requirement. <a href="#">[Ref B737-800 CFM 56-7 AMM Task 78-31-01-200-801-F00]</a> .	
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Report Date	27/01/2017			
Comments				
Summary				

**This Thrust Reverser is noted as in a Fair condition.**

1. Service Bulletin noted: B737 78-1082 Rev 00.

10a. Translating Sleeve Outer Bondment has chafing / wear noted at the fwd. upper and lower inner edges. Re-apply Teflon coating after sealing edges.10b. Translating Sleeve Outer Bondment, inner skin, noted with areas of missing primer. [a] Repair as per B737-800 CFM56-7 CMM. [b] Repair as per B737-800 CFM56-7 CMM.  
[Ref B737 AMM Task 78-31-02-200-801-F00].

14. Translating Sleeve aft fairing upper and lower seals noted as worn /perished. Repair to replace as per B737-800 CFM56-7 CMM/IPL.  
[Ref B737-800 CFM 56-7 AMM Task 78-31-02-801-F00]

23. Cascade Vanes noted with missing torque seal to all fasteners. Check correct installation of all vanes. Repair as per B737-800 CFM56-7 CMM.  
[Ref B737-800 CFM 56-7 AMM Task 78-31-02-801-F00]

26a. Upper Fire Seal noted as perished and worn at the aft location. 26b. Seal Block Assy. noted as perished and worn. 26c. Upper Flange Seals noted as damaged. [a] Repair to replace as per B737-800 CMM/IPC. [b] Repair to replace as per B737-800 CFM56-7 CMM. [c] Repair to replace as per B737-800 CFM56-7 AMM.  
[Ref B737-800 CFM56-7 AMM 78-31-12-200-801-F00].

30. Upper and Lower Inner Duct Wall Vee Blades noted with minor wear and poor finish to topcoat. Repair option to blend and re-protect as per B737-800 SRM / CMM.  
[Ref B737-800 CFM56-7 AMM 78-31-00].

31. Torque box vee blade noted with minor wear throughout. Repair as per B737-800 CFM56-7 CMM.  
[Ref B737-800 CFM56-7 AMM 78-31-00].

38. Outer Torque Box rub strips noted as worn throughout. Repair to replace as per B737-800 CFM56-7 CMM.  
[Ref B737-800 CFM 56-7 AMM, Task 78-31-01-200-801-F00].

39. Lower fwd. bulkhead decals noted as missing and loose. Repair to replace as per B737-800 CFM56-7 CMM.  
[Ref B737-800 CFM 56-7 AMM, Task 78-31-01-200-801-F00].

40a. Paint noted as in a poor condition. 40b. Trans. Cowl mate line noted with numerous cracks. [a] Customer scheduled to re-paint. [b] Customer scheduled to repaint aircraft.  
[Ref B737-800 CFM56-7 AMM 78-31-00].



42a. Upper and lower Heat Blankets noted with missing and cracked sealant. 42b. Upper Heat Blanket noted with 2 x previous repairs at the upper, No.1 Compression Pad location. Out of limits. 42c. Lower Heat Blanket noted with previous RTV repair at the lower No.3 Compression Pad location. [a] Repair as per B737-800 CFM56-7 AMM. [b] Repair to replace upper heat blanket as per CMM / SRM. [c] Repair heat blanket as per B737 SL.

[Ref B737-800 CFM56-7 AMM 78-31-00].

47a. Aft Cowl noted with loose upper bracket. 47b. Aft Cowl noted with wear to the upper aft corner. [a] Repair to replace as per B737-800 CFM56-7 CMM. [b] Repair to blend and re-protect as per B737-800 CFM56-7 SRM.

[Ref B737-800 CFM 56-7 AMM, Task 78-31-01-200-801-F00].

49. Forward bulkhead sensor roller noted as flattened and worn. Repair to replace as per B737-800 CFM56-7 CMM.

[Ref B737-800 CFM 56-7 AMM, Task 78-31-01-200-801-F00].

53. Inner Duct Wall upper and lower erosion shields noted as dented. Repair to replace as per BOEING MSG.

[Ref B737-800 CFM 56-7 AMM Task 78-31-01-200-801-F00].

54. Lower Fwd. Seal and Bracket noted as damaged. Repair to replace as per B737-800 CFM56-7 CMM.

[Ref B737-800 CFM 56-7 AMM Task 78-31-01-200-801-F00].

55. Upper and lower De-activation Fittings noted as worn around locating holes. Repair to replace as per B737-800 CFM56-7 CMM.

[Ref B737-800 CFM 56-7 AMM Task 78-31-01-200-801-F00].

56. Aero seal noted as pre-SB B737-78-1074. Repair to replace as per SB B737-78-1074. Airworthiness Directive requirement.

[Ref B737-800 CFM 56-7 AMM Task 78-31-01-200-801-F00].

**This Thrust Reverser is noted as a pre-modified reverser, relative to FAA AD 2012-05-02. Compliance timeline is May 9th 2017.**