

# Release Report

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

<b>Report Date</b>	27/01/2017			
Component	Engine #	Part #	Serial #	Aircraft Reg
THRUST REVERSER ASSY RH	ENGINE 1	315A2295-172	000534	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	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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6	Actuator Rod Ends Damage,	Unable to inspect Actuator Rod Ends due to limited access.		
7	Sync- Shaft connections 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	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	No Obvious Damage	N/A	
12	Translating sleeve, Inner Bondment Perf for, Delamination	No Obvious Damage	N/A	
13	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. <a href="#">[Ref B737-800 CFM 56-7 AMM Task 78-31-02-801-F00]</a>	
15	Blocker Doors for, Cracks,damage AMM 78-31-06	No Obvious Damage	N/A	

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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 Drag Links for, Damage, Cracks, Looseness, Loose nuts, Free movement at connections, AMM 78-31-07	No Obvious Damage	N/A	
18	Trans sleeve Bull Nose Seal and retainer (Main fwd Air seal) Missing material, Holes, Wear AMM 78-31-23	No Obvious Damage	N/A	
19	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	
20	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	

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#	Criteria	Findings	Repair Proposal	Photograph
21	Aux Track liner Upper, Gouges, Nicks, Burrs, Galling, Holes, Cracks, Wear AMM 78-31-02	No Obvious Damage	N/A	
22	Aux Track liner Lower, Gouges, Nicks, Burrs, Galling, Holes, Cracks, Wear AMM 78-31-02	No Obvious Damage	N/A	
23	Cascades 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. [Ref B737-800 CFM 56-7 AMM Task 78-31-02-801-F00]	
24	Upper Compression Pads for, Shim Condition, Pad condition	No.2 and No.3 Upper Compression Pad Cups noted as worn.	Repair to replace as per B737-800 CFM56-7 CMM. [Ref B737-800 CFM56-7 AMM 78-31-00].	
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 flattened and worn. 26b. Seal Block Assy. noted as perished and worn. 26c. Lower Fire Seal noted as flattened / worn at the corner location. 26d. 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 / IPC. [c] Repair to replace upper fire seal as per B737-800 CFM56-7 CMM / IPC. [d] Repair to replace as per B737-800 CFM56-7 AMM. <a href="#">[Ref B737-800 CFM56-7 AMM 78-31-12-200-801-F00].</a>	
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. <a href="#">[Ref B737-800 CFM56-7 AMM 78-31-00].</a>	



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THRUST REVERSER ASSY RH	ENGINE 1	315A2295-172	000534	VQ-BNK

#	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. <a href="#">[Ref B737-800 CFM56-7 AMM 78-31-00]</a> .	
32	Fan duct Cowl, Fwd Bulkhead Inner and Nylatron wearstrip for, Damage, wear	No.1 fwd. bulkhead nylatron wear strip noted as damaged and worn.	Repair to replace as B737-800 CFM56-7 CMM. <a href="#">[Ref B737-800 CFM56-7 AMM 78-31-00]</a> .	
33	Transleeve access covers for; Damage, cracks	No Obvious Damage	N/A	
34	Lower Beam Outer panel for, Damage,	No Obvious Damage	N/A	
35	Lower Beam for, Damage,	No Obvious Damage	N/A	

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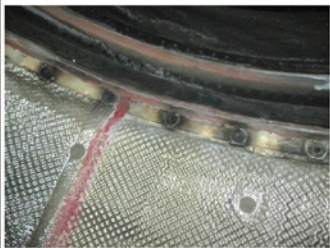
#	Criteria	Findings	Repair Proposal	Photograph
36	Upper Beam for, Damage,	No Obvious Damage	N/A	
37	Torque Box Rubstrip for, Damage, wear	Outer Torque Box rub strips noted with general service wear.	Repair to re-protect as per B737-800 CFM56-7 CMM. [Ref B737-800 CFM 56-7 AMM, Task 78-31-01-200 -801-F00].	
38	Decals for, Damage,	38a. Lower fwd. bulkhead decals noted as missing and loose. 38b. Translating Sleeve, lower fwd. decal noted as damaged.	[a] Repair to replace as per B737-800 CFM56-7 CMM. [b] Repair as per BOEING SOPM. [Ref B737-800 CFM 56-7 AMM, Task 78-31-01-200 -801-F00].	
39	Lower Beam Aft Seals for, Damage, missing, torn	No Obvious Damage	N/A	
40	Paint for, Chips, crazing, general condition	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].	



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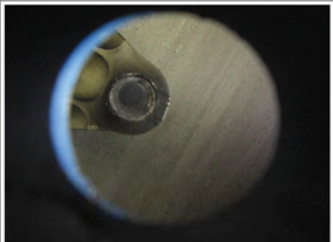
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#	Criteria	Findings	Repair Proposal	Photograph
41	Flap deflectors (Kruger)(inboard) for, Wear, damage (more than 0.5" change out) AMM 78-31-09	Deflector noted as worn beyond limits.	Repair to replace as per B737-800 CFM56-7 AMM. <a href="#">[Outside manual limits Ref B737-600 CFM56-7 AMM 78-31-09-200-801-F00]</a> .	
42	Insulation Blanket for, Damage, cracks, tears, holes Amm 78-31-13	42a. Upper and Lower Heat Blankets noted with cracked sealant. 42b. Upper and Lower Heat Blankets noted with damaged rub strips at the 2 and 5 o'clock locations. 42c. Thrust Reverser noted as pre-SB B737-78-1069.	[a] Repair as per B737-800 CFM56-7 AMM. [b] Repair to replace heat blanket rub strips as per CMM / SRM. [c] Repair option as per SB 737-78-1069 APPENDIX A/B. <a href="#">[Ref B737-800 CFM56-7 AMM 78-31-13-200-801-F00 Para 2]</a> .	
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 Slider Shoe for, Damage, disbond, AMM 78-31-02	No Obvious Damage	N/A	
45	Translating Cowl, Lower Main Slider Shoe for, Damage, disbond, AMM 78-31-02	No Obvious Damage	N/A	

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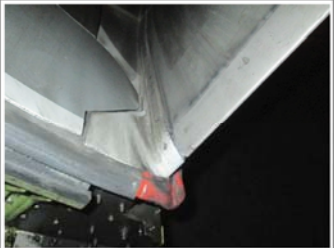


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46	Compression fittings No 2 and 3 (fore to aft), adjacent area (IFS and H/Blankets) and the lower aft edge for, Discolouration and heat damage.	No Obvious Damage	N/A	
47	Aft Cowl for, Damage, corrosion and pitting,	No Obvious Damage	N/A	
48	Forward Bulkhead, Plunger Receptor recess for, Cracks,	Sensor roller noted as worn.	Repair to replace as per B737-800 CFM56-7 CMM. <a href="#">[Ref B737-600 CFM56-7 AMM 78-31-00]</a> .	
49	Aft Cascade beam for, Damage,	No Obvious Damage	N/A	
50	Aft Cascade Beam Upper and Lower fittings for, Damage, cracks, loose fasteners	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 CFM56-7 AMM 78-31-02-200-801-F00 Para 4]</a> .	

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51	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. [Ref B737-800 CFM56-7 AMM 78-31-13-200-801-F00 Para 2].	
52	Sync Loc for, Damage, missing,	No Obvious Damage	N/A	
53	Fwd. bulkhead	Fwd. bulkhead noted with areas of missing primer.	Repair to re-protect as per B737-800 CFM56-7 CMM. [Ref B737-800 CFM56-7 AMM 78-31-00].	
54	Aero seal	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].	

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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]

24. No.2 and No.3 Upper Compression Pad Cups noted as worn. Repair to replace as per B737-800 CFM56-7 CMM. [Ref B737-800 CFM56-7 AMM 78-31-00].

26a. Upper Fire Seal noted as flattened and worn. 26b. Seal Block Assy. noted as perished and worn. 26c. Lower Fire Seal noted as flattened / worn at the corner location. 26d. 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 / IPC. [c] Repair to replace upper fire seal as per B737-800 CFM56-7 CMM / IPC. [d] 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].

32. No.1 fwd. bulkhead nylatron wear strip noted as damaged and worn. Repair to replace as B737-800 CFM56-7 CMM. [Ref B737-800 CFM56-7 AMM 78-31-00].

37. Outer Torque Box rub strips noted with general service wear. Repair to re-protect as per B737-800 CFM56-7 CMM. [Ref B737-800 CFM 56-7 AMM, Task 78-31-01-200-801-F00].



38a. Lower fwd. bulkhead decals noted as missing and loose. 38b. Translating Sleeve, lower fwd. decal noted as damaged. [a] Repair to replace as per B737-800 CFM56-7 CMM. [b] Repair as per BOEING SOPM.  
[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].

41. Deflector noted as worn beyond limits. Repair to replace as per B737-800 CFM56-7 AMM.  
[Outside manual limits Ref B737-600 CFM56-7 AMM 78-31-09-200-801-F00].

42a. Upper and Lower Heat Blankets noted with cracked sealant. 42b. Upper and Lower Heat Blankets noted with damaged rub strips at the 2 and 5 o'clock locations. 42c. Thrust Reverser noted as pre-SB B737-78-1069. [a] Repair as per B737-800 CFM56-7 AMM. [b] Repair to replace heat blanket rub strips as per CMM / SRM. [c] Repair option as per SB 737-78-1069 APPENDIX A/B.  
[Ref B737-800 CFM56-7 AMM 78-31-13-200-801-F00 Para 2].

48. Sensor roller noted as worn. Repair to replace as per B737-800 CFM56-7 CMM.  
[Ref B737-600 CFM56-7 AMM 78-31-00].

50. 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 CFM56-7 AMM 78-31-02-200-801-F00 Para 4].

51. Inner Duct Wall upper and lower erosion shields noted as dented. Repair to replace as per BOEING MSG.  
[Ref B737-800 CFM56-7 AMM 78-31-13-200-801-F00 Para 2].

53. Fwd. bulkhead noted with areas of missing primer. Repair to re-protect as per B737-800 CFM56-7 CMM.  
[Ref B737-800 CFM56-7 AMM 78-31-00].

54. 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.**