REVISION HIGHLIGHTS

Revision 44 to Appendix CDL to D6-8730, D6-8734, D6-8735, D6-8737, D631A001 dated 03-01-18.

The engineering developed and the FAA certification provided by Airplane Flight Manual (AFM) revisions are applicable and valid only for the airplane in its original Boeing delivery configuration as modified by the incorporation of approved Boeing service bulletins. With respect to any other modifications, it shall be the responsibility of the operator to obtain appropriate regulatory agency approval for application of the data provided by this AFM revision.

The purpose of this revision is to incorporate general changes to the CDL. Also, this revision revises the performance limited weight calculation for one or more negligible items.

The following changes comprise this revision:

PAGE	CODE	EXPLANATION
Revision Approval		
1	175828	This page uniquely identifies the approval authority and the reference number for this revision.
Log of Pages		
1		Revised to reflect pages changed in this revision.
Contents		
1		Revised page number and Item Name to be consistent throughout this Appendix.
3		Revised the reflect the correct page number.
4		Revised page number and Item Name to be consistent throughout this Appendix.

REVISION HIGHLIGHTS

Revision 44 to Appendix CDL to D6-8730, D6-8734, D6-8735, D6-8737, D631A001 dated 03-01-18.

PAGE	CODE	EXPLANATION
Limitations		
1		Revised the performance limited weight calculation for one or more negligible items to revert back to its previously approved limitation.
4		Revised 23-60-1 to clarify the vertical fin is the vertical stabilizer.
6		Revised 30-10-1 to clarify the performance limited weight is per missing item.
14		Revised 38-17-1 to add a statement to cover the hole opened in the fuselage after the drain mast is removed.
22A		Revised 57-10-5 to clarify that the performance limited weight can be applied to one or both.
29		Revised 57-41-7 to move and clarify a portion of Note 1 to its own Note 5 on page 30.
30		Revised 57-41-7 to move and clarify a portion of Note 1 to its own Note 5. Note 5 clarifies that it is only applicable to line position 1-1184.
34		Revised 57-53-5 to clarify that the performance limited weight can be applied to one or both assemblies.
34A		Revised 57-53-8 to clarify which seals may be missing and to indicate the performance limited weight is negligible per wing.

REVISION HIGHLIGHTS

Revision 44 to Appendix CDL to D6-8730, D6-8734, D6-8735, D6-8737, D631A001 dated 03-01-18.

PAGE	CODE	EXPLANATION
Limitations		
37		Revised 57-54-10 to clarify that the performance limited weight is per missing seal.
37A		Revised 57-71-1 to clarify Column 1. location of seals.
41		Revised 78-30-1 to clarify the Landing performance limited weight for dry and wet/contaminated runway.
43		Revised 78-30-5 Landing performance limited weight to clarify no penalty.
45		Revised 78-31-7 to add clarification sentence, similar to the Note in Item 78-31-5.

APPENDIX CDL

CONFIGURATION DEVIATION LIST

MODEL 737-100/200/300/400/500/600/700/800/900/900ER SERIES

Revision Approval

This Revision Approval page may only be used in conjunction with a Log of Pages that refers to **Reference Number 175828** in the code column for the Revision Approval page.

AR-831153

Date 03-01-18

Authorized Representative,
Regulatory Administration,
Boeing Commercial Airplanes

Log of Pages
Appendix CDL

The following pages comprise this appendix applicable to the above series airplanes.

Revision 44 Date 03-01-18

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1		06-15-07
Revision Approval		
* 1	175828	03-01-18
Log of Pages		
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SYSTEM PAGE

SECTION 1 - CERTIFICATE LIMITATIONS

Observance of the limitations contained in Section 1 of this appendix is required by law.

G E N E R A L L I M I T A T I O N S

This Configuration Deviation List contains additional certificate limitations for operation of the BOEING Model 737-100/200/300/400/500/600/700/800/900/900ER Series Airplanes without certain secondary airframe and engine parts as listed herein. The Certificate Limitations in the Airplane Flight Manual are applicable except as amended in this appendix.

The associated limitations must be listed on a placard affixed in the cockpit in clear view of the pilot-in-command and other appropriate crew member(s).

Operation with those missing parts requiring a reduction of VMO/MMO is permitted only when the airplane has the airspeed limit speed hand and the Mach airspeed warning system programmed for the altitude/speed schedule specified for the applicable missing part.

The pilot in command will be notified of each operation with a missing part(s) by listing the missing part(s) in the flight or dispatch release.

The operator will list in the aircraft logbook an appropriate notation covering the missing part(s) on each flight.

If an additional part is lost in flight the airplane may not depart the airport at which it landed following this event until it again complies with the limitation of this appendix. This, of course, does not preclude the issuance of a ferry permit to allow the airplane to be flown to a point where the necessary repairs or replacements can be made.

No more than one part for any one sub-system in this appendix may be missing unless specifically designated combinations are indicated herein. Unless otherwise specified herein, parts from different sub-systems may be missing. The performance penalties for these different sub-systems are cumulative unless specifically designated penalties for a combination of missing parts are indicated. Where performance penalties are listed as negligible, no more than three negligible items may be missing without taking further penalty. When the sum of missing negligible items exceeds a total of three, reduce the takeoff, landing and enroute climb limits 100 pounds (45 kilograms) for the fourth and each subsequent item. Where performance penalties are listed as no penalty, any accumulative number of sub-systems may be missing without further penalty.

G E N E R A L L I M I T A T I O N S (Continued)

The takeoff performance decrements in this appendix are to be applied to the performance limited takeoff gross weights determined from:

Field length, first segment climb, second segment climb, final segment climb, or obstacle(s) in the takeoff flight path.

The enroute performance decrements in this appendix are to be applied to the weight limit determined from enroute, one-engine-inoperative climb performance.

The landing performance decrements in this appendix are to be applied to the performance limited landing gross weights determined from:

Landing field length, landing climb, or approach climb.

The numbering and designation of systems in this appendix is based on ATA Specification 100. The parts within each system are identified by functional description and, when necessary, by part numbers.

Items are applicable to all 737 airplane engine/airframe combinations unless specifically designated.

CERTIFICATE LIMITATIONS

SYSTEM 21 AIR CONDITIONING		1. NUMBER OF PARTS REQUIRED FOR ALL FLIGHT CONDITIONS EXCEPT AS PROVIDED IN COLUMN 2.	
ATA SUB-SYSTEM	**PART DESCRIPTION**		**2. REMARKS AND/OR EXCEPTIONS**
21-51-	1. RAM AIR INLET LIP COVER PANEL 737-600/700/800/900/900ER SERIES ONLY	2	Item 21-51-1 One or both of these items may be missing with negligible penalty for each item.
	2. RAM AIR INLET LIP SEAL TO FRONT SPAR 737-600/700/800/900/900ER SERIES ONLY	2	Item 21-51-2 One or both of these items may be missing with negligible penalty for each item.

CERTIFICATE LIMITATIONS

SYSTEM 23 COMMUNICATIONS ATA SUB-SYSTEM	PART DESCRIPTION	1. NUMBER OF PARTS REQUIRED FOR ALL FLIGHT CONDITIONS EXCEPT AS PROVIDED IN COLUMN 2.	2. REMARKS AND/OR EXCEPTIONS
23-60-	1. STATIC DISCHARGERS	18	Item 23-60-1 A maximum of 6 static dischargers may be missing with no penalty. At least two dischargers are required on each wing and horizontal stabilizer and one is required on the vertical stabilizer. Where there are only two on a given surface, one of the two must be in the tip position or in the outermost trailing position.
	737-600/700/800/900/900ER SERIES EQUIPPED WITH BLENDED WINGLETS	14	A maximum of 2 dischargers may be missing with no penalty. At least one discharger is required on each wing. Where there is only one discharger on a wing, it must be in the outermost trailing position. At least 2 dischargers are required on each horizontal stabilizer. Where there only two dischargers on a horizontal stabilizer, one of the two must be in the tip position or in the outermost trailing position. At least two dischargers are required on the vertical stabilizer. Where there are only two dischargers on the vertical stabilizer, one must be in the top-most position.
23-61	1. DME AND MARKER BEACON ANTENNAS 737-600/700/800/900/900ER SERIES ONLY	3	Item 23-61-1 Any number of these items may be missing. No performance penalty.

CERTIFICATE LIMITATIONS

SYSTEM 28 FUEL		1.	NUMBER OF PARTS REQUIRED FOR ALL FLIGHT CONDITIONS EXCEPT AS PROVIDED IN COLUMN 2.
ATA SUB-SYSTEM	PART DESCRIPTION		2. REMARKS AND/OR EXCEPTIONS
28-16-	1. FUEL QUANTITY MEASURING STICK 737-600/700/800/900/900ER SERIES ONLY	16	Item 28-16-1 Any number or combination of these items may be missing. No performance penalty.

CERTIFICATE LIMITATIONS

SYSTEM 30 ICE AND RAIN PROTECTION		1.	NUMBER OF PARTS REQUIRED FOR ALL FLIGHT CONDITIONS EXCEPT AS PROVIDED IN COLUMN 2.
ATA SUB-SYSTEM	**PART DESCRIPTION**		**2. REMARKS AND/OR EXCEPTIONS**
30-10-	1. TAI TELESCOPING DUCT DOOR (TROMBONE FAIRING PANEL)	6	Item 30-10-1 737-100/200/300/400/500 Any number or combination of these items may be missing provided performance limited weights are reduced by: Takeoff and Landing - no penalty Enroute Climb - 200 lb - (91 kg) or 0.02% gradient 737-600/700/800/900 Up to 4 of these items may be missing (trombone fairings on slats 4 and 5 may not be missing) with negligible penalty for each missing item. 737-900ER Up to 4 of these items may be missing (trombone fairings on slats 4 and 5 may not be missing) provided performance limited weights are reduced by: Takeoff and Landing - negligible for each missing item Enroute Climb - 150 lb / (68 kg) for each missing item

CERTIFICATE LIMITATIONS

SYSTEM 32 LANDING GEAR		1. NUMBER OF PARTS REQUIRED FOR ALL FLIGHT CONDITIONS EXCEPT AS PROVIDED IN COLUMN 2.	
ATA SUB-SYSTEM	PART DESCRIPTION		2. REMARKS AND/OR EXCEPTIONS
32-10-	1. MAIN GEAR WHEEL WELL BLADE SEAL ASSEMBLY AND/OR MAIN GEAR WHEEL WELL SKI-JUMP FAIRING ASSEMBLY	2	Item 32-10-1 737-100/200/300/400/500: Any combination of parts from either or both assemblies may be missing from a wheel well, provided performance limited weight are reduced by the following for each wheel well affected: Takeoff and Landing - 210 lb - (95 kg) or 0.02% gradient Enroute Climb - 410 lb - (186 kg) or 0.04% gradient
	2. MAIN GEAR DOORS OUTER	2	Item 32-10-2 One or both may be missing provided performance limited weights are reduced by the following for each missing item: 737-100/-200/-300/-400/-500: Takeoff and Landing - negligible Enroute Climb - 125 lb - (57 kg) or 0.007% gradient 737-600/700/800: Negligible penalty for each missing item. 737-900/900ER: Takeoff and Landing - Negligible Enroute Climb - - 150 lb - (68 kg)

CERTIFICATE LIMITATIONS

SYSTEM 32 LANDING GEAR		1. NUMBER OF PARTS REQUIRED FOR ALL FLIGHT CONDITIONS EXCEPT AS PROVIDED IN COLUMN 2.	
ATA SUB-SYSTEM	PART DESCRIPTION		2. REMARKS AND/OR EXCEPTIONS
32-10-	3. MAIN GEAR DOORS - CENTER AND INNER	4	Item 32-10-3 Either one or two combinations of center and inner may be missing provided performance limited weights are reduced by the following for each combination: 737-100/200/300/400/500: Takeoff and Landing - 175 lb - (80 kg) or 0.016% gradient Enroute Climb - 350 lb - (160 kg) or 0.022% gradient 737-600/700/800: Takeoff and Landing - 200 lb - (91 kg) Enroute Climb - 350 lb - (160 kg) 737-900: Takeoff and Landing - 200 lb - (91 kg) Enroute Climb - 400 lb - (182 kg) 737-900ER: Takeoff and Landing - 250 lb - (113 kg) Enroute Climb - 450 lb - (204 kg)
	4. MAIN GEAR DOORS - INNER	2	Item 32-10-4 Either or both may be missing provided performance limited weights are reduced by the following for each missing item: 737-100/200/300/400/500: Takeoff and Landing - 100 lb - (45 kg) or 0.009% gradient Enroute Climb - 200 lb - (91 kg) or 0.012% gradient

(Continued on next page)

CERTIFICATE LIMITATIONS

SYSTEM 32 LANDING GEAR		1. NUMBER OF PARTS REQUIRED FOR ALL FLIGHT CONDITIONS EXCEPT AS PROVIDED IN COLUMN 2.	
ATA SUB-SYSTEM	PART DESCRIPTION		2. REMARKS AND/OR EXCEPTIONS
	4. MAIN GEAR DOORS – INNER		Item 32-10-4 (continued) 737-600/700/800: Takeoff and Landing – negligible Enroute Climb – 150 lb – (68 kg) 737-900/900ER: Takeoff and Landing – negligible Enroute Climb – 200 lb – (91 kg)
	5. NOSE GEAR DOOR SEALS 737-600/700/800/900/900ER SERIES ONLY	1	Item 32-10-5 Center line seals may be missing with negligible penalty.
	6. MLG DOOR SEAL ASSEMBLY ON WHEEL WELL 737-600/700/800/900/900ER SERIES ONLY	4	Item 32-10-6 Any combination of seals and retainers may be missing provided performance limited weights are reduced by: 737-600/700/800: Takeoff and Landing – 300 lb – (136 kg) Enroute Climb – 550 lb – (250 kg) 737-900: Takeoff and Landing – 350 lb – (160 kg) Enroute Climb – 650 lb – (295 kg) 737-900ER: Takeoff and Landing – 400 lb – (182 kg) Enroute Climb – 750 lb – (341 kg)
	7. MAIN GEAR WHEEL WELL BLADE SEAL ASSEMBLIES 737-600/700/800/900/900ER SERIES ONLY	32	Item 32-10-7 Any number of seals may be missing with negligible penalty for each missing seal segment.
	8. MAIN GEAR WHEEL WELL SKI JUMP FAIRINGS 737-600/700/800/900/900ER SERIES ONLY	16	Item 32-10-8 Any number of fairing segments may be missing with negligible penalty for each item.

CERTIFICATE LIMITATIONS

SYSTEM 32 LANDING GEAR		1. NUMBER OF PARTS REQUIRED FOR ALL FLIGHT CONDITIONS EXCEPT AS PROVIDED IN COLUMN 2.	
ATA SUB-SYSTEM	PART DESCRIPTION		2. REMARKS AND/OR EXCEPTIONS
32-41-	1. MAIN GEAR OUTBOARD WHEEL SPEED TRANSDUCER COVER AND HUBCAP FAIRING ASSEMBLY 737-100/200/300/400 /500 SERIES ONLY	2	Item 32-41-1 Either or both may be missing. Associated outboard wheel antiskid will be inoperative. Outboard antiskid channel must be deactivated. Antiskid inoperative performance and procedures must be used. Performance limited weights are reduced by the following for each missing item: Takeoff and Landing - 75 lb - (34 kg) or 0.008% gradient Enroute Climb - 150 lb - (68 kg) or 0.015% gradient
	2. MAIN GEAR OUTBOARD WHEEL HUBCAP FAIRING ASSEMBLY	2	Item 32-41-2 Either or both may be missing provided performance limited weights are reduced by the following for each missing item: 737-100/200/300/400/500 Takeoff and Landing - 75 lb - (34 kg) or 0.008% gradient Enroute Climb - 150 lb - (68 kg) or 0.015% gradient NOTE: For 737-100/200/300/400/500, the respective wheel speed transducer covers must be installed. The outboard wheel speed transducer cover may be bonded to the outboard wheel hubcap fairing assembly, and in that case, the outboard wheel speed transducer cover could be salvaged from a damaged assembly or replaced with an interchangeable inboard wheel speed transducer cover. (Continued on next page)

CERTIFICATE LIMITATIONS

SYSTEM 32 LANDING GEAR		1. NUMBER OF PARTS REQUIRED FOR ALL FLIGHT CONDITIONS EXCEPT AS PROVIDED IN COLUMN 2.	
ATA SUB-SYSTEM	**PART DESCRIPTION**		**2. REMARKS AND/OR EXCEPTIONS**
32-41-	2. MAIN GEAR OUTBOARD WHEEL HUBCAP FAIRING ASSEMBLY (CONTINUED)		Item 32-41-2 (Continued) 737-600/700/800/900/900ER: Takeoff and Landing - negligible Enroute Climb - 150 lb - (68 kg) NOTE: For 737-600/700/800/900/900ER, the outboard antiskid will be inoperative when respective wheel speed transducer is uncovered (hubcap assembly missing). Outboard antiskid channel must be deactivated. Antiskid inoperative performance and procedures must be used. The outboard wheel speed transducer cover is bonded to the outboard wheel hubcap fairing assembly. However, the outboard wheel speed transducer cover could be salvaged from a damaged assembly. (If available, an inboard hubcap assembly may be used in place of the outboard wheel hubcap. Performance penalties for missing outboard hubcap assembly would still apply, however, antiskid would continue to be operative.)

CERTIFICATE LIMITATIONS

SYSTEM 32 LANDING GEAR		1. NUMBER OF PARTS REQUIRED FOR ALL FLIGHT CONDITIONS EXCEPT AS PROVIDED IN COLUMN 2.	
ATA SUB-SYSTEM	PART DESCRIPTION		2. REMARKS AND/OR EXCEPTIONS
32-41-	3. MAIN GEAR OUTBOARD WHEEL HUBCAP CENTER COVER ASSEMBLIES		Item 32-41-3
	737-100/200/300/400 /500 SERIES ONLY WHEELS: 40 x 14-16 C40 x 18-17 H40 x 14.5-19	2	Either or both may be missing. Performance limited weights must be reduced by: Takeoff and Landing - 75 lb - (34 kg) or 0.008% gradient Enroute Climb - 150 lb - (68 kg) or 0.015% gradient
	737-600/700/800/900/900ER SERIES ONLY	2	One or both may be missing with negligible penalty for each item.

CERTIFICATE LIMITATIONS

SYSTEM 33 LIGHTING		1. NUMBER OF PARTS REQUIRED FOR ALL FLIGHT CONDITIONS EXCEPT AS PROVIDED IN COLUMN 2.	
ATA SUB-SYSTEM	PART DESCRIPTION		2. REMARKS AND/OR EXCEPTIONS
33-40-	1. RETRACTABLE LANDING LIGHT	2	Item 33-40-1 One or both lenses or bulbs may be missing with negligible penalty for each missing item. NOTE: The light housing must remain intact.
	2. NOSE GEAR TAXI LIGHT	1	Item 33-40-2 May be missing with no penalty.
	3. WING ILLUMINATION LIGHT COVERS	2	Item 33-40-3, 4 One or both may be missing with negligible penalty for each missing item.
	4. TAIL ILLUMINATION LIGHT COVERS 737-100/200/300/400 /500 SERIES ONLY	2	

CERTIFICATE LIMITATIONS

SYSTEM 33 LIGHTING		1. NUMBER OF PARTS REQUIRED FOR ALL FLIGHT CONDITIONS EXCEPT AS PROVIDED IN COLUMN 2.	
ATA SUB-SYSTEM	**PART DESCRIPTION**		**2. REMARKS AND/OR EXCEPTIONS**
33-43-	1. WING TIP TAIL LIGHT LENSES	2	Item 33-43-1, 2, 3 One or all may be missing with no penalty.
	2. TAIL STROBE LIGHT LENS	1	
	3. BEACON LIGHTS (UPPER AND LOWER)	2	
33-51	1. EXTERNAL EMERGENCY LIGHT COVERS		Item 33-51-1
	737-100/200/300/500	8	Any number may be missing with negligible penalty for each missing item.
	737-400	10	
	737-600/700	8	
	737-800/900/900ER	10	

CERTIFICATE LIMITATIONS

SYSTEM 38 WATER/WASTE		1. NUMBER OF PARTS REQUIRED FOR ALL FLIGHT CONDITIONS EXCEPT AS PROVIDED IN COLUMN 2.	
ATA SUB-SYSTEM	PART DESCRIPTION		2. REMARKS AND/OR EXCEPTIONS
38-17-	1. AFT GRAY WATER DRAIN MAST	1	Item 38-17-1 May be missing with no penalty. Cover the hole opened in the fuselage.

CERTIFICATE LIMITATIONS

SYSTEM 49 AUXILIARY POWER UNIT		1. NUMBER OF PARTS REQUIRED FOR ALL FLIGHT CONDITIONS EXCEPT AS PROVIDED IN COLUMN 2.	
ATA SUB-SYSTEM	PART DESCRIPTION		2. REMARKS AND/OR EXCEPTIONS
49-15-	1. APU INLET FLOW DEFLECTOR	1	Item 49-15-1 May be missing with no penalty.
49-16-	1. APU DRAIN MAST 737-100/200/300/400 /500 SERIES ONLY	1	Item 49-15-1 May be missing with no penalty. However, the APU is to be placarded inoperative.

CERTIFICATE LIMITATIONS

SYSTEM 52 DOORS		1. NUMBER OF PARTS REQUIRED FOR ALL FLIGHT CONDITIONS EXCEPT AS PROVIDED IN COLUMN 2.	
ATA SUB-SYSTEM	PART DESCRIPTION		2. REMARKS AND/OR EXCEPTIONS
52-10-	1. ENTRY DOOR HINGE COVERS	4	Item 52-10-1 Any number of these items may be missing with a negligible penalty for each item.
52-40-	1. GROUND SERVICE A/C DOOR	1	Item 52-40-1, 2, 3, 4, 5 Any number or combination of these items may be missing provided performance limited weights are reduced by: Takeoff and Landing - 150 lb - (68 kg) Enroute Climb - 250 lb - (113 kg) or 0.02% gradient
	2. OXYGEN SERVICE CHARGING PANEL DOOR	1	
	3. AFT TOILET SERVICE DOOR	1	
	4. WATER SERVICE DOOR	1	
	5. GROUND PNEUMATIC CONNECTION DOOR	1	
	6. GALLEY DOOR HINGE COVERS	4	Item 52-40-6, 7 Any number or combination of these items may be missing with a negligible penalty for each item.
	7. APU OIL FILLER DOOR	1	
	Items 52-40-1 through 5 and item 7 are applicable to 737-100/200/300/400/500 series only. See Chapter 12 of the Maintenance Manual for Door (Panel Number) identification.		

CERTIFICATE LIMITATIONS

SYSTEM 52 DOORS		1. NUMBER OF PARTS REQUIRED FOR ALL FLIGHT CONDITIONS EXCEPT AS PROVIDED IN COLUMN 2.	
ATA SUB-SYSTEM	PART DESCRIPTION		2. REMARKS AND/OR EXCEPTIONS
52-40-	8. TOILET SERVICE DOOR	1	Item 52-40-8, 9
	9. WATER SERVICE DOOR	1	May be missing with a negligible penalty for each missing item.
	10. BRAKE ACCUMULATOR ACCESS DOOR SEALS AND RETAINERS	4	Item 52-40-10
	Items 52-40-8 through -10 are applicable to the 737-600/700/800/900/900ER series only.		Any number of seals and retainers may be missing with a negligible penalty for each missing seal.
	See Chapter 12 of the Maintenance Manual for Door (Panel Number) identification.		

CERTIFICATE LIMITATIONS

SYSTEM 53 FUSELAGE		1.	NUMBER OF PARTS REQUIRED FOR ALL FLIGHT CONDITIONS EXCEPT AS PROVIDED IN COLUMN 2.
ATA SUB-SYSTEM	PART DESCRIPTION		2. REMARKS AND/OR EXCEPTIONS
53-10-	1. KEEL BEAM BLOWOUT PANEL 737-100/200/300/400 /500 SERIES ONLY	1	Items 53-10-1, 53-30-1, 53-50-1 Any number or combination of these items may be missing provided performance limited weights are reduced by: Takeoff and Landing - 150 lb - (68 kg) Enroute Climb - 250 lb - (113 kg) or 0.03% gradient
53-11-	1. CAB VORTEX GENERATORS 737-600/700/800/900/900ER SERIES ONLY	10	
53-30-	1. HYDRAULIC ACCESS DOOR 737-100/200 SERIES ONLY	1	
53-50-	1. WHEEL WELL BLOWOUT PANEL 737-100/200/ SERIES ONLY	1	Item 53-11-1 Any number of cab vortex generators may be missing with no penalty.
	2. AFT PORTION OF WING BODY FAIRING 737-100 SERIES ONLY	2	Item 53-50-2 One or both may be missing provided performance limited weights are reduced by the following for each missing item: Takeoff and Landing - 130 lb - (59 kg) Enroute Climb - 255 lb - (116 kg) or 0.035% gradient
53-80-	1. TAILSKID FAIRING 737-400 SERIES ONLY See Chapter 12 of the Maintenance Manual for Door (Panel Number) identification.	1	Item 53-80-1 May be missing provided the following performance penalties are observed: Takeoff and Landing – 240 lb - 109 kg or 0.024% gradient Enroute Climb - 480 lb - 218 kg or 0.032% gradient

CERTIFICATE LIMITATIONS

SYSTEM 54 NACELLES AND PYLONS		1.	NUMBER OF PARTS REQUIRED FOR ALL FLIGHT CONDITIONS EXCEPT AS PROVIDED IN COLUMN 2.
ATA SUB-SYSTEM	PART DESCRIPTION		2. REMARKS AND/OR EXCEPTIONS
54-20-	1. NACELLE STRUT ACCESS DOOR 737-300/400/500 SERIES ONLY 737-300/400/500	16	Items 54-20-1, 2 Any number or combination up to a maximum of 4 items per strut may be missing provided performance limited weights are reduced by the following for each affected nacelle strut:
	2. NACELLE STRUT BLOWOUT DOOR 737-300/400/500 SERIES ONLY	2	One door missing per nacelle strut: Negligible More than one door missing per nacelle strut: Takeoff and landing – 675 lb – (306 kg) or .066% gradient Enroute Climb - 1350 lb (638 kg) or .088% gradient

CERTIFICATE LIMITATIONS

SYSTEM 55 STABILIZER		1. NUMBER OF PARTS REQUIRED FOR ALL FLIGHT CONDITIONS EXCEPT AS PROVIDED IN COLUMN 2.	
ATA SUB-SYSTEM	PART DESCRIPTION		2. REMARKS AND/OR EXCEPTIONS
55-10-	1. HORIZONTAL STABILIZER-TO-BODY SLIDING SEALS	4	Items 55-10-1 737-100/200/300/400/500: Seals may not be missing during operations requiring the application of ground deicing or anti-icing fluids. Otherwise, any number may be missing provided performance limited weights are reduced by: Takeoff and Landing - 150 lb - (68 kg) or 0.015% gradient Enroute Climb - 300 lb - (136 kg) or 0.03% gradient 737-600/700/800/900/900ER: Seals may not be missing during operations requiring the application of ground deicing or anti-icing fluids. Otherwise, any number may be missing provided performance limited weights are reduced by the following for each seal: 737-600/700/800 Takeoff and Landing - 300 lb - (136 kg) Enroute Climb - 600 lb - (272 kg) 737-900 Takeoff and Landing - 350 lb - (160 kg) Enroute Climb - 650 lb - (295 kg) 737-900ER Takeoff and Landing - 400 lb - (182 kg) Enroute Climb - 750 lb - (341 kg)

CERTIFICATE LIMITATIONS

SYSTEM 55 STABILIZER		1. NUMBER OF PARTS REQUIRED FOR ALL FLIGHT CONDITIONS EXCEPT AS PROVIDED IN COLUMN 2.	
ATA SUB-SYSTEM	PART DESCRIPTION		2. REMARKS AND/OR EXCEPTIONS
			Item 55-30-1
55-30-	1. AFT BODY VORTEX GENERATORS		737-100/200/300 prior to line pos 2277 or incorporation of SB 737-51-1015:
	737-100/200	14	Any number may be missing. No performance penalty.
	737-300 (prior to line position 2277)	NONE	
	737-300 (Line position 2277 and on, or by Service Bulletin 737-51-1015)	8	737-300 line position 2277 and on (or SB 737-51-1015 incorporated), 737-400,-500,-600,-700,-800,-900,-900ER: Up to one side may be missing. No performance penalty.
	737-600/700/800/900/ 900ER	8	NOTE: During cruise flight with one or more vortex generators missing, occasional vertical motions may be felt which appear to be light turbulence. These motions are characteristic of this airplane and should not be associated with Mach buffet.
55-40	1. FUSELAGE RUDDER TO BODY SEAL 737-300/400/500	1	Item 55-40-1 May be missing with negligible performance penalties

CERTIFICATE LIMITATIONS

SYSTEM 57 WINGS		1. NUMBER OF PARTS REQUIRED FOR ALL FLIGHT CONDITIONS EXCEPT AS PROVIDED IN COLUMN 2.	
ATA SUB-SYSTEM	PART DESCRIPTION		2. REMARKS AND/OR EXCEPTIONS
57-10-	1. INBOARD FLAP TRACK FAIRING TAIL CONE AND PLUNGER ASSEMBLY 737-300/400/500	2	Items 57-10-1 Both may be missing provided performance limited weights are reduced by the following : Takeoff and Landing - 1000 lb - (453 kg) or 0.10% gradient Enroute Climb - 1800 lb - (816 kg) or 0.122% gradient Note: The other tail cone and plunger assembly must be removed when one is missing.
	2. INBOARD FLAP TRACK FAIRING TAIL CONE PIN END FITTINGS 737-300/400/500	2	Item 57-10-2 Either or both may be missing with negligible penalty for each missing item.

CERTIFICATE LIMITATIONS

SYSTEM 57 WINGS		1. NUMBER OF PARTS REQUIRED FOR ALL FLIGHT CONDITIONS EXCEPT AS PROVIDED IN COLUMN 2.	
ATA SUB-SYSTEM	PART DESCRIPTION		2. REMARKS AND/OR EXCEPTIONS
57-10-	3. FLAP TRACK FAIRING TAIL CONE, OUTBOARD FLAPS 737-100/200/300/400 /500/600/700/800/900 /900ER	4	Item 57-10-3 One or two tail cones may be missing provided performance limited weights are reduced by the following for each tail cone: 737-100/200/300/400/500: Takeoff and Landing - 136 lb - (61 kg) or 0.016% gradient Enroute Climb - 272 lb - (123 kg) or 0.012% gradient 737-600/700/800: Takeoff and Landing - 150 lb - (68 kg) Enroute Climb - 300 lb - (136 kg) 737-900: Takeoff and Landing - 200 lb - (91 kg) Enroute Climb - 350 lb - (160 kg) 737-900ER: Takeoff and Landing - 200 lb - (91 kg) Enroute Climb - 400 lb - (182 kg)

CERTIFICATE LIMITATIONS

SYSTEM 57 WINGS		1. NUMBER OF PARTS REQUIRED FOR ALL FLIGHT CONDITIONS EXCEPT AS PROVIDED IN COLUMN 2.	
ATA SUB-SYSTEM	PART DESCRIPTION		2. REMARKS AND/OR EXCEPTIONS
57-10-	4. FLAP TRACK FAIRING TAIL CONES, INBOARD FLAPS 737-600/700/800/900/900ER SERIES ONLY	2	Item 57-10-4 One or both tail cones may be missing provided performance limited weights are reduced by the following for each tail cone: 737-600/700/800 Takeoff and Landing - 200 lb - (91 kg) Enroute Climb - 350 lb - (160 kg) 737-900 Takeoff and Landing - 200 lb - (91 kg) Enroute Climb - 400 lb - (182 kg) 737-900ER Takeoff and Landing - 250 lb - (113 kg) Enroute Climb - 400 lb - (182 kg)

CERTIFICATE LIMITATIONS

SYSTEM 57 WINGS		1. NUMBER OF PARTS REQUIRED FOR ALL FLIGHT CONDITIONS EXCEPT AS PROVIDED IN COLUMN 2.	
ATA SUB-SYSTEM	PART DESCRIPTION		2. REMARKS AND/OR EXCEPTIONS
57-10-	5. FLAP SUPPORT FAIRINGS NO. 1 AND NO. 8 (OUTBOARD FLAP) 737-600/700/800/900/900ER SERIES ONLY	2	Item 57-10-5 One or both may be missing provided performance limited weights are reduced by the following for each missing item: 737-600/700/800: Takeoff and Landing - 1500 lb - (681 kg) Enroute Climb - 2950 lb - (1338 kg) 737-900: Takeoff and Landing - 1750 lb - (794 kg) Enroute Climb - 3400 lb - (1542 kg) 737-900ER: Takeoff and Landing - 1950 lb - (885 kg) Enroute Climb - 3800 lb - (1724 kg)
	6. TRACK FAIRING NACELLE-TO-FLAP (BUBBLE FAIRING) 737-300/400/500 SERIES ONLY	2	Item 57-10-6 One or both may be missing with the following performance penalties per item: Takeoff and Landing Gross Weight Decrement-378 lb Gradient Decrement-0.038% Enroute Climb Gross Weight Decrement-negligible Gradient Decrement-negligible

CERTIFICATE LIMITATIONS

SYSTEM 57 WINGS		1. NUMBER OF PARTS REQUIRED FOR ALL FLIGHT CONDITIONS EXCEPT AS PROVIDED IN COLUMN 2.	
ATA SUB-SYSTEM	PART DESCRIPTION		2. REMARKS AND/OR EXCEPTIONS
57-30	1. WING BLOWOUT PANEL 737-100/200/300/400 /500	2	Items 57-30-1, 2, 3, 4, 5 Any number or combination of these items may be missing provided performance limited weights are reduced by: Takeoff and Landing - 350 lb - (159 kg) Enroute Climb - 1200 lb - (544 kg) or 0.11% gradient NOTES: (1) Item 57-30-3 - With door missing, defueling valve handle must be lockwired CLOSED. (2) Item 57-30-4 - With door(s) missing, the corresponding fuel boost pump inlet valve(s) must be lockwired OPEN prior to takeoff. (3) Item 57-30-5 - With door missing, all electrical circuits involved in the cavity must be de-energized prior to takeoff. (Power may be re-applied after each flight, provided that equipment in the cavity, including the wiring, is inspected for damage before power is re-applied. Power must be removed prior to the next flight if the door is not replaced.)
	2. SLAT ACTUATOR FAIRING PANEL 737-100/200/300/400 /500	6	
	3. DEFUELING VALVE ACCESS DOOR 737-100/200/300/400 /500	1	
	4. FUEL BOOST PUMP ACCESS DOOR		
	737-100/200	6	
	737-300/400/500	4	
	5. PRESSURE FUEL VALVE ACCESS DOOR 737-100/200/300/400 /500	1	

CERTIFICATE LIMITATIONS

SYSTEM 57 WINGS		1. NUMBER OF PARTS REQUIRED FOR ALL FLIGHT CONDITIONS EXCEPT AS PROVIDED IN COLUMN 2.	
ATA SUB-SYSTEM	PART DESCRIPTION		2. REMARKS AND/OR EXCEPTIONS
57-30-	6. WING VORTEX GENERATORS	22 INBD, 16 OUTBD	Items 57-30-6
	737-100/200		On the 737-100/200, the following combinations may be missing provided the prescribed restrictions are observed: (1) A maximum of five inboard and four outboard can be missing from each wing in any combination with no performance penalty, provided the maximum operating altitude is restricted to not more than 17,000 feet, (2) A maximum of one inboard and one outboard can be missing from each wing without performance penalty
	737-300/400/500	34 INBD, 18* OUTBD	On the 737-300/400/500, a maximum of 2 inboard (non-adjacent) and 1 outboard may be missing per wing without performance penalty.
	*737-300 (Prior to Line Position 1636)	8 OUTBD	
	737-600/700/800/900/900ER	16	On the 737-600/700/800/900/900ER, a maximum of 1 per wing may be missing without performance penalty.

CERTIFICATE LIMITATIONS

SYSTEM 57 WINGS		1. NUMBER OF PARTS REQUIRED FOR ALL FLIGHT CONDITIONS EXCEPT AS PROVIDED IN COLUMN 2.	
ATA SUB-SYSTEM	PART DESCRIPTION		2. REMARKS AND/OR EXCEPTIONS
57-30-	7. JACKING POINT PANELS	2	Item 57-30-7 Any number may be missing with negligible penalty.
	8. SLAT ACTUATOR FAIRING PANELS 737-600/700/800/900/900ER	8	Item 57-30-8 Any number may be missing provided performance limited weights are reduced by the following for each missing panel: 737-600/700/800 Takeoff and Landing - 150 lb - (68 kg) Enroute Climb - 250 lb - (113 kg) 737-900/900ER Takeoff and Landing - 150 lb - (68 kg) Enroute Climb - 300 lb - (136 kg)

CERTIFICATE LIMITATIONS

SYSTEM 57 WINGS		1. NUMBER OF PARTS REQUIRED FOR ALL FLIGHT CONDITIONS EXCEPT AS PROVIDED IN COLUMN 2.	
ATA SUB-SYSTEM	PART DESCRIPTION		2. REMARKS AND/OR EXCEPTIONS
57-41-			Items 57-41-1, 2, 3 One or more symmetrical sets may be missing provided performance limited weights are reduced by the following for each symmetrical missing set: Item 57-41-1 Takeoff/Landing Climb - 150 lb - (68 kg) or 0.015% gradient Item 57-41-2 Takeoff/Landing Climb - 300 lb - (136 kg) or 0.030% gradient Item 57-41-3 Takeoff/Landing Climb - 450 lb - (204 kg) or 0.045% gradient NOTE: 1) The preceeding penalties applicable only with the outboard two slat segments on each wing fully extended, flap ≥ 30. 2) With more than one set of seals missing, the preceeding penalties are additive. 3) The total number of slat seals, curtain seals (57-41-1, 57-41-2), and sliding seals (57-41-3) that may be missing is 12 on any one airplane (6 symmetric pairs) and 3 on any one slat. 4) For one or more symmetrical missing sets of sliding seals: a) increase V2, VR, and VREF reference speeds 1 knot, and b) reduce available takeoff field length 700 feet (or weight limit 7100 lb (3220 kg)), and c) reduce available landing field length 100 feet (or weight limit 3000 lb (1360 kg)).
	1. SLAT MAIN TRACK CURTAIN SEALS 737-100 SERIES ONLY	8 (2 per slat)	
	2. SLAT TAI-DUCT CURTAIN SEALS 737-100 SERIES ONLY	4 (1 per slat)	
	3. SLAT SLIDING SEALS 737-100 SERIES ONLY	14 (3 per slat except 4 on out-board slats)	

CERTIFICATE LIMITATIONS

SYSTEM 57 WINGS		1. NUMBER OF PARTS REQUIRED FOR ALL FLIGHT CONDITIONS EXCEPT AS PROVIDED IN COLUMN 2.	
ATA SUB-SYSTEM	PART DESCRIPTION		2. REMARKS AND/OR EXCEPTIONS
57-41-	1. SLAT MAIN TRACK CURTAIN SEALS 737-200 SERIES ONLY 2. SLAT TAI-DUCT CURTAIN SEALS 737-200 SERIES ONLY 3. SLAT SLIDING SEALS 737-200 SERIES ONLY	4 (2 per slat) 2 (1 per slat) 8 (4 per slat)	Items 57-41-1, 2, 3 One or more symmetrical sets may be missing provided performance limited weights are reduced by the following for each symmetrical missing set: Item 57-41-1 Takeoff/Landing Climb - 150 lb - (68 kg) or 0.015% gradient Item 57-41-2 Takeoff/Landing Climb - 300 lb - (136 kg) or 0.030% gradient Item 57-41-3 Takeoff/Landing Climb - 450 lb - (204 kg) or 0.045% gradient NOTE: 1) The preceeding penalties applicable only with the outboard slat segment on each wing fully extended, flap $\geq$ 30. 2) With more than one set of seals missing, the preceeding penalties are additive. 3) The total number of slat seals, curtain seals (57-41-1, 57-41-2), and sliding seals (57-41-3) that may be missing is 6 on any one airplane (3 symmetric pairs) and 3 on any one slat. 4) For one or more symmetrical missing sets of sliding seals: a) increase V2, VR, and VREF reference speeds 1 knot, and b) reduce available takeoff field length 700 feet (or weight limit 7100 lb (3220 kg)), and c) reduce available landing field length 100 feet (or weight limit 3000 lb (1360 kg)).

CERTIFICATE LIMITATIONS

SYSTEM 57 WINGS		1. NUMBER OF PARTS REQUIRED FOR ALL FLIGHT CONDITIONS EXCEPT AS PROVIDED IN COLUMN 2.	2. REMARKS AND/OR EXCEPTIONS
ATA SUB-SYSTEM	PART DESCRIPTION		
57-41-	1. SLAT MAIN TRACK CURTAIN SEALS 737-200 (ADV) ONLY 2. SLAT TAI-DUCT CURTAIN SEALS 737-200 (ADV) ONLY 3. SLAT SLIDING SEALS 737-200 (ADV) ONLY	12 (2 per slat) 6 (1 per slat) 20 (3 per slat except 4 on out-board slats)	Items 57-41-1, 2, 3 One or more symmetrical sets may be missing provided performance limited weights are reduced by the following for each symmetrical missing set: Item 57-41-1 Takeoff/Landing Climb - 150 lb - (68 kg) or 0.015% gradient Item 57-41-2 Takeoff/Landing Climb - 300 lb - (136 kg) or 0.030% gradient Item 57-41-3 Takeoff/Landing Climb - 450 lb - (204 kg) or 0.045% gradient NOTE: 1) The preceeding penalties applicable only with the outboard slat segment on each wing fully extended, flap ≥ 10. 2) With more than one set of seals missing, the preceeding penalties are additive. 3) The total number of slat seals, curtain seals (57-41-1, 57-41-2), and sliding seals (57-41-3) that may be missing is 18 on any one airplane (9 symmetric pairs) and 3 on any one slat. 4) For one or more symmetrical missing sets of sliding seals: a) increase V2, VR, and VREF reference speeds 1 knot, and b) reduce available takeoff field length 700 feet (or weight limit 7100 lb (3220 kg)), and c) reduce available landing field length 100 feet (or weight limit 3000 lb (1360 kg)).

CERTIFICATE LIMITATIONS

SYSTEM 57 WINGS		1. NUMBER OF PARTS REQUIRED FOR ALL FLIGHT CONDITIONS EXCEPT AS PROVIDED IN COLUMN 2.	
ATA SUB-SYSTEM	PART DESCRIPTION		2. REMARKS AND/OR EXCEPTIONS
57-41-	4. SLAT MAIN TRACK SEAL DOOR 737-300/400/500 SERIES ONLY	12 (2 per slat)	Items 57-41-4 737-300/400/500: Any number of symmetrical sets may be missing with no penalty. May be missing in combination with Items 57-41-5, 6, 7, as long as those penalties, limitations, and notes are honored.
	Line Position 1185 and on.	0	
	737-600/700/800/900/900ER SERIES ONLY	4	737-600/700/800/900/900ER: Any number may be missing with negligible penalty for each item.
			Items 57-41-5, 6, 7 One or more symmetrical sets may be missing provided performance limited weights are reduced by the following for each symmetrical missing set:
	5. SLAT TAI-DUCT SEAL DOOR 737-300/400/500 SERIES ONLY	6 (1 per slat)	Item 57-41-5 Takeoff/Landing Climb - 300 lb - (136 kg) or 0.03% gradient
	6. SLAT ACTUATOR SLIDING SEAL 737-300/400/500 SERIES ONLY	6 (1 per slat)	Item 57-41-6 Takeoff/Landing Climb - 450 lb - (204 kg) or 0.045% gradient
	7. SLAT AUXILIARY TRACK SEAL DOOR 737-300/400 SERIES ONLY	14 (2 per slat except 3 on out-board slats)	Item 57-41-7 Takeoff/Landing Climb - 550 lb - (250 kg) or 0.054% gradient NOTE: 1) The penalties for Items 57-41-5, 6, 7 are applicable only with slats fully extended, flap $\geq$ 10.
	Line Position 1185 and on. 737-300/400/500 SERIES ONLY	12 (2 per slat)	2) With more than one set of seals and/or doors missing, the preceeding penalties for Items 57-41-5, 6, 7 are additive. (continued on next page)

CERTIFICATE LIMITATIONS

SYSTEM 57 WINGS		1. NUMBER OF PARTS REQUIRED FOR ALL FLIGHT CONDITIONS EXCEPT AS PROVIDED IN COLUMN 2.	
ATA SUB-SYSTEM	PART DESCRIPTION		2. REMARKS AND/OR EXCEPTIONS
57-41-	737-300/400/500 SERIES ONLY		NOTE: (continued) 3) The total number of slat seal doors and/or sliding seals that may be missing is 18 on any one airplane (9 symmetric pairs) and 3 on any one slat. 4) For one or more symmetrical missing pairs of slat seal doors or sliding seals: a) increase V2, VR, and VREF reference speeds 1 knot, and b) reduce available takeoff field length 600 feet (or weight limit 7000 lb (3180 kg)), and c) reduce available landing field length 100 feet (or weight limit 3000 lb (1360 kg)). 5) For Item 57-41-7, for line position 1-1184, the most outboard slat auxiliary track seal door on slats No. 1 and 6 may be symmetrically missing with no penalty at all flap settings.
	8. SLAT SKIN TABS C/T AUXILIARY ARMS 737-600/700/800/900/900ER SERIES ONLY	12 (2 per slat except none on slats 4 & 5)	Item 57-41-8 Any number may be missing with negligible penalty for each item.
	9. SLAT SPONGE SEALS 737-600/700/800/900/900ER SERIES ONLY	16 (2 per slat)	Item 57-41-9 Any number may be missing with negligible penalty for each item.

CERTIFICATE LIMITATIONS

SYSTEM 57 WINGS		1. NUMBER OF PARTS REQUIRED FOR ALL FLIGHT CONDITIONS EXCEPT AS PROVIDED IN COLUMN 2.	
ATA SUB-SYSTEM	PART DESCRIPTION		2. REMARKS AND/OR EXCEPTIONS
57-41-	10. SLAT BULB SEALS 737-600/700/800/900/900ER SERIES ONLY	76	Item 57-41-10 Any number may be missing provided performance limited weights are reduced by the following for each slat with one or more missing seal segments: 737-600/700/800 Takeoff and Landing - 150 lb - (68 kg) Enroute Climb - 250 lb - (113 kg) 737-900 Takeoff and Landing - 150 lb - (68 kg) Enroute Climb - 300 lb - (136 kg) 737-900ER Takeoff and Landing - 200 lb - (91 kg) Enroute Climb - 350 lb - (160 kg)
	11. SLAT END SEALS (OUTBOARD END, SLATS 1 & 8) 737-600/700/800/900/900ER SERIES ONLY	10	Item 57-41-11 Up to 2 may be missing with negligible penalty for each item.
	12. WING LEADING EDGE VORTILONS 737-600/700/800/900/900ER SERIES ONLY	6	Item 57-41-12 One per wing may be missing with no penalty.
	13. SLAT SPANWISE LOWER FLEX SKIN 737-600/700/800/900/900ER SERIES ONLY	24	Item 57-41-13 One per wing may be missing (part numbers 114A9201-1 through -20 only) with negligible penalty for each item.

CERTIFICATE LIMITATIONS

SYSTEM 57 WINGS		1. NUMBER OF PARTS REQUIRED FOR ALL FLIGHT CONDITIONS EXCEPT AS PROVIDED IN COLUMN 2.	
ATA SUB-SYSTEM	PART DESCRIPTION		2. REMARKS AND/OR EXCEPTIONS
57-41-	14. SLAT SKIN TABS C/T MAIN ARMS 737-300/400/500 SERIES ONLY	10 (2 per slat except 1 on slats 1 & 6)	Item 57-41-14 737-300/400/500: Any number may be missing with negligible penalty for each item.
57-51-	1. SPONGE RUBBER AIR DAM IN OVERWING BOLT COVER CAVITY 737-600/700/800/900/900ER SERIES ONLY	2	Item 57-51-1 One or both may be missing with negligible penalty for each item.

CERTIFICATE LIMITATIONS

SYSTEM 57 WINGS		1. NUMBER OF PARTS REQUIRED FOR ALL FLIGHT CONDITIONS EXCEPT AS PROVIDED IN COLUMN 2.	
ATA SUB-SYSTEM	PART DESCRIPTION		2. REMARKS AND/OR EXCEPTIONS
57-52-	1. INBOARD FLAP, OUTBOARD COVER PLATES 737-100/200 737-300/400/500	 2 4	Item 57-52-1 Any number may be missing provided performance limited weights are reduced by the following for each missing item: Takeoff and Landing - No Penalty Enroute Climb - Negligible
57-53-	1. INBOARD FLAP, MIDFLAP TORQUE SHAFT CLEARANCE DOOR 737-100/200/300/400 /500	2	Item 57-53-1 One or both may be missing provided performance limited weights are reduced by: Takeoff and Landing - No Penalty Enroute Climb - 75 lb - (34 kg) or .006% gradient
	2. INBOARD FLAP SEAL PLATE (ELEPHANT EARS) 737-100/200 SERIES ONLY	2	Item 57-53-2 One or both may be missing provided performance limited weights are reduced by the following for each missing item: Takeoff (Flap Position 1 or 2) - 200 lb - (91 kg) Enroute Climb - 300 lb - (136 kg) or 0.05% gradient Approach Climb (Flap Position 1 or 2) - 300 lb - (136 kg) or 0.05% gradient NOTE: No penalties imposed for operations at flap positions 5 through 40.

CERTIFICATE LIMITATIONS

SYSTEM 57 WINGS		1. NUMBER OF PARTS REQUIRED FOR ALL FLIGHT CONDITIONS EXCEPT AS PROVIDED IN COLUMN 2.	
ATA SUB-SYSTEM	PART DESCRIPTION		2. REMARKS AND/OR EXCEPTIONS
57-53-	3. INBOARD FLAP, INBOARD SEAL PLATE 737-300/400/500/600 /700/800/900/900ER SERIES ONLY	2	Item 57-53-3 737-300/400/500: One or both may be missing provided performance limited weights are reduced by the following for each missing item: Takeoff and Landing (Flap Position 1) - 325 lb - (147 kg) or 0.032% gradient Enroute Climb - 450 lb - (204 kg) or .030% gradient NOTE: Penalties applicable for Flaps Up and Flaps 1 operation only. No penalties for operations at Flaps 5 through 40. 737-600/700/800/900/900ER: One or both may be missing provided performance limited weights are reduced by the following for each missing item: 737-600/700/800 Takeoff and Landing - 400 lb - (182 kg) Enroute Climb - 750 lb - (341 kg) 737-900 Takeoff and Landing - 450 lb - (204 kg) Enroute Climb - 900 lb - (409 kg) 737-900ER Takeoff and Landing - 500 lb - (227 kg) Enroute Climb - 1000 lb - (454 kg) NOTE: Operation at Flaps 40 prohibited. Penalties applicable for Flaps Up and Flaps 1 operation only. No penalties for operations at Flaps 5 through 30.

CERTIFICATE LIMITATIONS

SYSTEM 57 WINGS		1. NUMBER OF PARTS REQUIRED FOR ALL FLIGHT CONDITIONS EXCEPT AS PROVIDED IN COLUMN 2.	
ATA SUB-SYSTEM	PART DESCRIPTION		2. REMARKS AND/OR EXCEPTIONS
57-53-	4 INBOARD AFT FLAP GRAVEL PROTETCTORS 737-100/200 SERIES ONLY	2	Item 57-53-4 One or both may be missing with no penalty. NOTE: When the item is missing, operations are restricted to hard surface runways.
	5. INBOARD FLAP - INBOARD FLAP TRACK SLOT LANDING DOOR ASSEMBLY 737-600/700/800/900/900ER SERIES ONLY	2	Item 57-53-5 Door actuator arm and plate assembly must be complete or removed entirely. One or both assemblies may be missing with no performance penalty. NOTE: Operation at Flaps 40 prohibited.
	6. INBOARD FLAP - INBOARD FLAP TRACK SLOT LANDING DOOR SEALS 737-600/700/800/900/900ER SERIES ONLY	6	Item 57-53-6 Any combination of seals and retainers may be missing with no performance penalty. NOTE: Operation at Flaps 40 prohibited.
	7. OUTBOARD FLAP LEADING EDGE VORTEX GENERATORS 737-600/700/800/900/900ER SERIES ONLY	14	Item 57-53-7 Up to 3 non adjacent per side may be missing. No performance penalty. NOTE: Operation at Flaps 40 prohibited.

CERTIFICATE LIMITATIONS

SYSTEM 57 WINGS		1. NUMBER OF PARTS REQUIRED FOR ALL FLIGHT CONDITIONS EXCEPT AS PROVIDED IN COLUMN 2.	
ATA SUB-SYSTEM	**PART DESCRIPTION**		**2. REMARKS AND/OR EXCEPTIONS**
57-53-	8. FLAP END SEALS 737-600/700/800/900/900ER SERIES ONLY	14 (8 upper surface, 4 per wing. 6 lower surface, 3 per wing.)	Item 57-53-8 Seal Gap 1: includes seals between the inboard and outboard flaps. Lower seals are not allowed to be missing from Seal Gap 1. Any or all of the upper seals may be missing provided performance limited weights are reduced by: 737-600/700/800 Takeoff and Landing - 200 lb per wing - (91 kg) Enroute Climb - 200 lb per wing - (91 kg) 737-900/900ER Takeoff and Landing - 250 lb per wing - (113 kg) Enroute Climb - 200 lb per wing - (91 kg)
		8 (4 per wing, 2 upper, 2 lower)	Seal Gap 2: includes seals between the outboard flaps and the fixed wing trailing edge. Two upper seals or two lower seals may be missing per wing at Seal Gap 2. Both upper and lower seals on the same wing are not allowed to be missing from Seal Gap 2. Upper and/or lower seals may be missing provided performance limited weights are reduced by: 737-600/700/800 Takeoff - Negligible per wing Enroute Climb - Negligible per wing Landing - No Penalty 737-900/900ER Takeoff - Negligible per wing Enroute Climb - 150 lb per wing - (68 kg) Landing - No Penalty

CERTIFICATE LIMITATIONS

SYSTEM 57 WINGS		1. NUMBER OF PARTS REQUIRED FOR ALL FLIGHT CONDITIONS EXCEPT AS PROVIDED IN COLUMN 2.	
ATA SUB-SYSTEM	PART DESCRIPTION		2. REMARKS AND/OR EXCEPTIONS
57-53-	9. OUTBOARD AFT FLAP AERODYNAMIC SEALS 737-600/700/800/900/900ER SERIES ONLY	8	Item 57-53-9 Any number may be missing provided performance limited weights are reduced by: Takeoff - Negligible Enroute Climb - Negligible Landing - No Penalty

CERTIFICATE LIMITATIONS

SYSTEM 57 WINGS		1. NUMBER OF PARTS REQUIRED FOR ALL FLIGHT CONDITIONS EXCEPT AS PROVIDED IN COLUMN 2.	
ATA SUB-SYSTEM	PART DESCRIPTION		2. REMARKS AND/OR EXCEPTIONS
57-54-	1 KRUEGER FLAP SEAL DOORS 737-300/400/500 ONLY	2	Item 57-54-1 The symmetrical set may be missing provided performance limited weights are reduced by: Takeoff and Landing Climb – 600 lb (272 kg) or 0.06% gradient Enroute Climb - negligible NOTE: Increase V2, VR, and VREF reference speeds 1 knot, and reduce available takeoff field length 600 feet (or -7000 lb (3180 kg)), and reduce available landing field length by 125 feet (or -3000 lb (1360 kg)).
	2. WING LEADING EDGE SLAT WEDGE SEALS 737-300/400/500 ONLY	8 (4 per wing)	Item 57-54-2 Any number may be missing provided performance limited weights are reduced by: Four (five*) or less seals on one wing plus one on the other wing: Takeoff and Landing Climb – No penalty Enroute Climb - Negligible Two or more seal on both wings: Takeoff and Landing Climb – No penalty Enroute Climb - 125 lb - (57 kg) or 0.007% gradient
	Prior to Line Position 1585 and prior to incorporation of Service Bulletin 737-57-1148	10* (5 per wing)	

CERTIFICATE LIMITATIONS

SYSTEM 57 WINGS		1. NUMBER OF PARTS REQUIRED FOR ALL FLIGHT CONDITIONS EXCEPT AS PROVIDED IN COLUMN 2.	
ATA SUB-SYSTEM	PART DESCRIPTION		2. REMARKS AND/OR EXCEPTIONS
57-54-	3. AERODYNAMIC SEAL C/T KRUEGER FLAP (FWD) INBOARD FIXED LEADING EDGE	6	Items 57-54-3,4,5,6,7,8,9 Only the seals and/or seal retainers around the inboard Krueger-flap cavities (Krueger flaps # 2 & 3) are allowed to be missing. Seals that extend partially over the outboard Krueger flap cavities may not be missing. Any seal retainers that support the seals which extend partially over the outboard Krueger flap cavity may not be missing, even if these seal retainers are located entirely in the inboard Krueger flap cavities.
	4. AERODYNAMIC SEAL C/T KRUEGER FLAP (AFT)	6	
	5. AERODYNAMIC SEAL C/T KRUEGER FLAP (INBOARD FIXED LEADING EDGE)	2	
	6. AERODYNAMIC SEAL RETAINER C/T SEAL (KRUEGER FLAP - FWD)	18	One or more seals and/or retainers maybe missing providing the following performance penalties are observed. 737-100/200/200(ADV)/300/400/500 Takeoff & Landing Penalty - 0 lbs Enroute Climb Penalty - 1400 lbs or 0.090% gradient 737-600/700/800 Takeoff - 200 lbs - (91 kg) Enroute Climb - 350 lbs - (160 kg) Landing - No Penalty 737-900 Takeoff - 200 lbs - (91 kg) Enroute Climb - 400 lbs - (182 kg) Landing - No Penalty 737-900ER Takeoff - 250 lbs - (113 kg) Enroute Climb - 450 lbs - (204 kg) Landing - No Penalty
	7. AERODYNAMIC SEAL RETAINER C/T SEAL (KRUEGER FLAP - AFT)	14	
	8. AERODYNAMIC SEAL RETAINER ASSEMBLY C/T (KRUEGER FLAP AFT)	2	
	9. BULB SEAL C/T KRUEGER FLAP (AFT)	6	

CERTIFICATE LIMITATIONS

SYSTEM 57 WINGS		1. NUMBER OF PARTS REQUIRED FOR ALL FLIGHT CONDITIONS EXCEPT AS PROVIDED IN COLUMN 2.	
ATA SUB-SYSTEM	PART DESCRIPTION		2. REMARKS AND/OR EXCEPTIONS
57-54-	10. SEAL-BLADE, INBOARD KRUEGER FLAP, SPANWISE, AFT		Item 57-54-10
	737-600/700/800/900/900ER SERIES ONLY	4	One or both of the seals may be missing (Inboard Krueger Flap Only) providing the following performance penalties are observed: 737-600/700/800 Takeoff & Landing - 400 lb (182 kg) per missing seal Enroute Climb - Negligible per wing semi-span 737-900 Takeoff & Landing - 450 lb (204 kg) per missing seal Enroute Climb - Negligible per wing semi-span 737-900ER Takeoff & Landing - 500 lb (227 kg) per missing seal Enroute Climb - Negligible per wing semi-span
	737-100/200/200 (ADV)/ 300/400/500 SERIES ONLY	6 (some early models have 4)	One or both of the seals located on the inboard Krueger flap (Krueger flaps #2 and #3) may be missing providing the following performance penalties are observed: Takeoff speeds (V_R and V_2) and landing speed (Vref) are increased by one knot for any number of the allowable seals missing. (Penalty is for All Flap Settings). Takeoff & Landing Penalty - 1500 lb or 0.147% gradient Enroute Climb Penalty - 250 lb or 0.016% gradient

CERTIFICATE LIMITATIONS

SYSTEM 57 WINGS		1. NUMBER OF PARTS REQUIRED FOR ALL FLIGHT CONDITIONS EXCEPT AS PROVIDED IN COLUMN 2.	
ATA SUB-SYSTEM	PART DESCRIPTION		2. REMARKS AND/OR EXCEPTIONS
57-70-	1. SEAL-BLADE, SPOILER 737-200 ADV)/300 /400/500 SERIES ONLY	2 In-board 6 Out-board for -200 (ADV) 2 In-board 8 Out-board for -300/ 400/ 500	Item 57-70-1 Any or all of the seals may be missing provided the following performance penalties are observed: Takeoff and Landing Inboard Seals 225 lb (102 kg) per seal or 0.022% gradient Outboard Seals 126 lb (57 kg) per seal or 0.013% gradient Enroute Climb Inboard Seals 300 lb (136 kg) per seal or 0.020% gradient Outboard Seals 168 lb (76 kg) per seal or 0.011% gradient
57-71-	1. SPOILERS 1, 2, 3, 10, 11, 12 SEALS 737-600/700/800/900/900ER SERIES ONLY	10 (2 seals installed on Spoilers 2, 3, 10, and 11; 1 seal installed inboard on Spoiler 1 and 12)	Item 57-71-1 Any or all may be missing for a negligible penalty.

CERTIFICATE LIMITATIONS

SYSTEM 71 POWER PLANT GENERAL		1. NUMBER OF PARTS REQUIRED FOR ALL FLIGHT CONDITIONS EXCEPT AS PROVIDED IN COLUMN 2.	2. REMARKS AND/OR EXCEPTIONS
ATA SUB-SYSTEM	PART DESCRIPTION		
71-11-	1. NACELLE FAN COWL VORTEX GENERATORS 737-300/400/500 ONLY	12 (3 per nacelle)	Item 71-11-1 One per nacelle side for a total of 4 may be missing with negligible penalty for each missing vortex generator.
71-60-	1. NACELLE FAN DUCT EXTENSION RING ACOUSTIC PANELS 737-300/400/500 ONLY	8 (4 per side)	Item 71-60-1 One panel (1/4 ring segment) from either or both engines may be missing with negligible performance penalty. NOTE: Fastener holes must be covered to prevent excess air from entering the fan compartment.

CERTIFICATE LIMITATIONS

SYSTEM 72 ENGINE		1. NUMBER OF PARTS REQUIRED FOR ALL FLIGHT CONDITIONS EXCEPT AS PROVIDED IN COLUMN 2.	
ATA SUB-SYSTEM	PART DESCRIPTION		2. REMARKS AND/OR EXCEPTIONS
72-73-	1. REAR COMPRESSOR BLEED MANIFOLD FAN DUCT FAIRINGS 737-100/200 SERIES ONLY	4	Items 72-73-1, 2 Any number or combination may be missing with negligible penalty. NOTE: Missing fairings should be replaced when the fan discharge area next becomes accessible.
	2. NUMBER 4 BEARING TUBES FAIRING 737-100/200 SERIES ONLY	2	

CERTIFICATE LIMITATIONS

SYSTEM 75 ENGINE BLEED AIR		1. NUMBER OF PARTS REQUIRED FOR ALL FLIGHT CONDITIONS EXCEPT AS PROVIDED IN COLUMN 2.	
ATA SUB-SYSTEM	PART DESCRIPTION		2. REMARKS AND/OR EXCEPTIONS
75-09-	1. GRAVEL PROTECT SYSTEM (VORTEX DISSIPATOR) 737-100/200 SERIES ONLY	2	Item 75-09-1 One or both gravel protection booms (vortex dissipators) may be missing with no penalty provided: 1. Operation is not predicated on its use, 2. The missing boom coverplate is installed and the respective valve is CLOSED, 3. The applicable Certificate Limitations and Performance Limited weight adjustments obtained from the FAA Approved Airplane Flight Manual are applied when using engine inlet ANTI-ICE, 4. A placard is installed indicating status of the system. NOTE: Both gravel protect booms (vortex dissipators) must be operable and ON for operation on gravel.

CERTIFICATE LIMITATIONS

SYSTEM 78 EXHAUST		1. NUMBER OF PARTS REQUIRED FOR ALL FLIGHT CONDITIONS EXCEPT AS PROVIDED IN COLUMN 2.	
ATA SUB-SYSTEM	PART DESCRIPTION		2. REMARKS AND/OR EXCEPTIONS
78-30-	1. THRUST REVERSER BLOCKER DOOR AND DRAG LINK SETS 737-300/400/500/600/700/800/900/900ER SERIES ONLY	20 (5 per thrust rev. side)	Item 78-30-1 A maximum of 1 per thrust reverser side for a total of 4 may be missing provided performance limited weights are reduced by the following for each affected set: 737-300/400/500: Takeoff and Landing - 275 lb - (125 kg) or 0.038% gradient Enroute Climb - 325 lb - (147 kg) or 0.047% gradient 737-600/700/800/900/900ER: Takeoff Dry Runway - 300 lb - (136 kg) Wet/Contaminated Runway - 8250 lb - (3742 kg) Enroute Climb - 300 lb - (136 kg) Landing Dry/Wet Runway - 300 lb - (136 kg) Contaminated Runway - 8250 lb - (3742 kg) NOTE: Removal of blocker doors and drag links must be done as a set.

CERTIFICATE LIMITATIONS

SYSTEM 78 EXHAUST		1. NUMBER OF PARTS REQUIRED FOR ALL FLIGHT CONDITIONS EXCEPT AS PROVIDED IN COLUMN 2.	
ATA SUB-SYSTEM	PART DESCRIPTION		2. REMARKS AND/OR EXCEPTIONS
78-30-	2. THRUST REVERSER FILLER WEDGES 737-300/400/500 SERIES ONLY	16 (4 per thrust rev. side)	Item 78-30-2 A maximum of 1 per thrust reverser side for a total of 4 may be missing provided performance limited weights are reduced by the following for each affected thrust reverser side: Takeoff and Landing - 125 lb - (57 kg) or 0.016% gradient Enroute Climb - 125 lb -(57kg) or 0.018% gradient.
	3. THRUST REVERSER CASCADE VANE SEGMENTS 737-300/400/500 SERIES ONLY	32 (8 per thrust rev. side)	Item 78-30-3 A maximum of 1 per thrust reverser side for a total of 2 per thrust reverser on one engine may be missing with no penalty provided: a) The thrust reverser of the other engine operates normally, and b) The affected thrust reverser must be deactivated. Note: No credit for reverse thrust may be taken on the affected engine(s).
	4. MIDDLE THRUST REVERSER SLEEVE ("D" DUCT) ACTUATOR ACCESS DOORS 737-600/700/800/900/900ER SERIES ONLY	4	Item 78-30-4 Any number may be missing with negligible penalty for each item.

CERTIFICATE LIMITATIONS

SYSTEM 78 EXHAUST		1. NUMBER OF PARTS REQUIRED FOR ALL FLIGHT CONDITIONS EXCEPT AS PROVIDED IN COLUMN 2.	
ATA SUB-SYSTEM	PART DESCRIPTION		2. REMARKS AND/OR EXCEPTIONS
78-30-	5. THRUST REVERSER BLOCKER DOOR CAPS 737-600/700/800/900/900ER SERIES ONLY	20 (5 per thrust rev. side)	Item 78-30-5 A maximum of 1 per thrust reverser side may be missing for a total of 4 per airplane. The provided performance limited weights are reduced by the following for each affected thrust reverser side: Takeoff Dry Runway - No Penalty Wet/Contaminated Runway - 150 lb/Cap - (68 kg/Cap) Enroute Climb - No penalty Landing - No Penalty
78-31-	1. THRUST REVERSER ACTUATOR HOUSING 737-100/200 SERIES ONLY.	4	Item 78-31-1 Any one housing may be missing provided performance limited weight Are reduced by: Takeoff and Landing - 150 lb - (68 kg) Enroute Climb - 300 lb - (136 kg) or 0.03% gradient NOTE: The thrust reverser actuator housing should not be removed for flight when the corresponding thrust reverser door fairing is removed.

CERTIFICATE LIMITATIONS

SYSTEM 78 EXHAUST		1. NUMBER OF PARTS REQUIRED FOR ALL FLIGHT CONDITIONS EXCEPT AS PROVIDED IN COLUMN 2.	
ATA SUB-SYSTEM	PART DESCRIPTION		2. REMARKS AND/OR EXCEPTIONS
78-31-	2. THRUST REVERSER DOOR FAIRING 737-100/200 SERIES ONLY.	2	Item 78-31-2 One or both may be missing provided performance limited weights are reduced by the following for each thrust reverser door fairing missing: Maximum Takeoff Weight: Field Length Limit - 150 lbs (68kg) Climb Limit - 330 lbs (150kg) Takeoff Climb - 0.022% gradient Final Takeoff Climb - 0.066% gradient Enroute Climb - 660 lbs (299kg) or 0.044% gradient. Maximum Landing Weight: Climb Limit - 300 lb (136kg) Approach Limit - 0.033% gradient Landing Climb - 0.022% gradient NOTE: The thrust reverser door fairing should not be removed for flight when the corresponding thrust reverser actuator housing is removed.
	3. THRUST REVERSER SLEEVE ACTUATOR ACCESS PANELS 737-300/400/500 SERIES ONLY	12	Item 78-31-3 Any number of these items may be missing provided performance limited weights are reduced by the following for each affected nacelle side: One door missing per nacelle side: Takeoff and Landing - 175 lb (79 kg) or .016% gradient Enroute Climb - 350 lb (159 kg) or 0.021% gradient More than one door missing per nacelle side: Takeoff and Landing - 850 lb (386 kg) or .084% gradient Enroute Climb - 1700 lb (771 kg) or .112% gradient

CERTIFICATE LIMITATIONS

SYSTEM 78 EXHAUST		1. NUMBER OF PARTS REQUIRED FOR ALL FLIGHT CONDITIONS EXCEPT AS PROVIDED IN COLUMN 2.	
ATA SUB-SYSTEM	PART DESCRIPTION		2. REMARKS AND/OR EXCEPTIONS
78-31-	4. THRUST REVERSER TRACK FAIRING SEALS 737-600/700/800/900/900ER SERIES ONLY	8	Item 78-31-4 Any number may be missing with negligible penalty for each item.
	5. THRUST REVERSER CASCADES 737-600/700/800/900/900ER SERIES ONLY	24	Item 78-31-5 One per thrust reverser side on one engine (for a total of 2) may be missing with no penalty for each item. Note: The affected thrust reverser must be locked out. No credit for reverse thrust may be taken on the affected engine. The thrust reverser on the opposite engine must operate normally.
	6. THRUST REVERSER HINGE BEAM FAIRINGS 737-600/700/800/900/900ER SERIES ONLY	8	Item 78-31-6 Any number or combination may be missing with negligible penalty for each item.
	7. THRUST REVERSER KRUEGER DOOR SEAL DEFLECTOR 737-600/700/800/900/900ER SERIES ONLY	2	Item 78-31-7 One may be missing with negligible penalty. Note: The affected thrust reverser must be locked out. No credit for reverse thrust may be taken on the affected engine. The thrust reverser on the opposite engine must operate normally.
	8. THRUST REVERSER KRUEGER DOOR SEAL FAIRING 737-600/700/800/900/900ER SERIES ONLY	2	Item 78-31-8 One or both may be missing with negligible penalty for each item.

CERTIFICATE LIMITATIONS

SYSTEM 78 EXHAUST		1.	NUMBER OF PARTS REQUIRED FOR ALL FLIGHT CONDITIONS EXCEPT AS PROVIDED IN COLUMN 2.
ATA SUB-SYSTEM	PART DESCRIPTION		2. REMARKS AND/OR EXCEPTIONS
78-32-	1. ENGINE TAIL PLUG (TAIL CONE) 737-100/200 SERIES ONLY	2	Item 78-32-1 Either or both may be missing for a maximum period of 10 hours or 10 flights, whichever occurs first, without penalty.
	2. PRIMARY NOZZLE FENCES 737-600/700/800/900/900ER SERIES ONLY		Item 78-32-2
	ASSEMBLY PART NUMBER 314A2610	24	Four per nozzle (a total of 8) may be missing with no penalty for a maximum of 10 days or 125 flights, whichever comes first. Visual inspections of the nozzle and aft fairing are required every 10 flights within this interval.
	ASSEMBLY PART NUMBER 314A2630	12	One aft most fence per nozzle (total of 2) may be missing with no penalty for a maximum of 10 flights. Visual inspection of the nozzle and aft fairing are required every flight within this interval.