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General Limitations

This Configuration Deviation List (CDL) contains additional certificate limitations for operation of the Boeing Model MD-90 Series Airplanes without certain secondary airframe and engine parts as listed herein. This CDL is prepared in accordance with Appendix CDL of the FAA Approved Flight Manual (AFM).

The pilot-in-command must be notified of each operation with a missing part(s) by listing the missing part(s) on the Flight Dispatch Release (FDR).

Limitations associated with operating Boeing MD-90 Series Airplanes with the missing part(s) are contained in this CDL. The CDL reference number for a missing part(s) will be listed on the FDR and a placard found in the aircraft logbook. Refer to the applicable CDL item under Remarks or Exceptions and its associated Performance Correction Box for limitations. Prior to dispatch, the pilot-in-command must refer to this CDL to obtain limitations for operation with missing part(s).

Prior to releasing an aircraft for service with a missing part(s), the missing part(s) must be recorded in the aircraft logbook and a placard installed (ref. TOPP 40-40-05 and MEL Placard Instructions table found in MD-90 Minimum Equipment List, MEL Instructions section).

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 limitations of this CDL. This 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 system (i.e. 57-xx-xx) may be missing unless specifically designated combinations are indicated.

Unless otherwise specified herein, parts from different systems may be missing. The performance penalties are cumulative unless specifically designated penalties for combination of missing parts are indicated.

Takeoff performance penalties are to be applied to the Runway Allowable Takeoff Weight (RATOW), and/or to the Takeoff Climb Limit Weight (T/O CLIMB LIMIT), as required by the applicable CDL item. The CDL takeoff performance penalties are automatically applied to the AWABS generated WDR.

The enroute performance penalties in this CDL are applied to all flights by the Flight Control Dispatcher when analyzing the flight plan using the FPS flight planning system. The penalty is entered as an Enroute Driftdown Penalty in FPS and applied in FPS by increasing the weight of the aircraft by the penalty amount. The flight planning system will then access the driftdown tables at the penalized, increased weight to determine the driftdown weight limit. One-engine inoperative performance limitations (under FAR 121.191) will be applied where most restrictive.

Landing performance penalties are to be applied to the Runway Allowable Landing Weight (RALW), and/or to the Landing Climb Limit Weight (LCLW), as required by the applicable CDL item. The CDL landing performance penalties are automatically applied to the AWABS generated WDR.

When a takeoff weight penalty is imposed, determine takeoff speeds at actual operating weight plus takeoff weight penalty. Determine all other speed at actual operating weight.

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

Performance Box Explanation

1 **33-42-01**	**LOWER FUSELAGE ANTI-COLLISION LIGHT (RED)**
2 **EFFECTIVITY**	**All**
3 **FLIGHT PLANNING REQUIREMENTS**	Reduce ENROUTE LIMIT WT by 100 lbs.
4 **NOTES**	Make a notation on the Flight Plan when Enroute Climb is limiting.
5 **AWABS**	Performance corrections have been applied.
6 **TAKEOFF PERFORMANCE WORKSHEET**	**TAKEOFF** 1. Reduce RATOW by 100 lbs. 2. Reduce T/O CLIMB LIMIT by 100 lbs. **LANDING** 1. Reduce RWY ALLOWABLE LANDING WT by 100 lbs. 2. Reduce LANDING CLIMB LIMIT WT by 100 lbs. **OTHER CORRECTIONS** 1. Determine V-Speeds from ODM Takeoff Section charts for applicable Thrust/Flap setting and enter with the actual takeoff weight increased by the CDL takeoff weight penalty of 100 lbs. 2. Determine all other speeds at actual operating weight.

Shown above is a sample Performance Correction for a CDL item. The contents of the Performance Correction box should be used in conjunction with the other limitations and procedures in the CDL for the applicable dispatch. A quick-reference guide to the Performance Correction is provided below. It is important to note that items appearing above the double line should be considered by all users including the flight crew and dispatcher. Items below the double line are primarily for flight crew or LCC use. Use the appropriate box depending on the type of Weight Data Record (WDR) generated.

NOTE: The Performance Correction shown above is provided for training purposes only and should not be used for CDL 33-42-01. Additionally, the sample CDL item above may not reflect the most current information.

1. CDL number and title.
2. **Effectivity:** Aircraft affected by the subject CDL item. Use the cross-reference table in the front of the MEL as necessary.
3. **Flight Planning Requirements:** Requirements that must be taken into account prior to the flight.
   - These items will be the responsibility of the dispatcher and must be taken into account prior to the flight.
   - Examples of Flight Planning Requirements can be, but are not limited to, Enroute Climb Limit Weight or Block Fuel adjustments.
4. **Notes:** Other pertinent information applicable to this CDL item.
5. **AWABS:** Contains information regarding functionality applied by AWABS. One of the two following statements will be published:
   - “Performance corrections have been applied” indicates that the AWABS document contains all applicable CDL adjustments and that no further Flight Crew action is required.
   - “Performance weight corrections have been applied” indicates that only the weights listed on the AWABS document contain the applicable CDL adjustments. This statement is followed by a specific action (or actions) required by the Flight Crew. Example – “Performance weight corrections have been applied. Reduce V1 by 3 KIAS.” These statements advise that the performance weight corrections have been applied by AWABS, but the Flight Crew must reduce the V1 noted on the AWABS document by 3 KIAS.

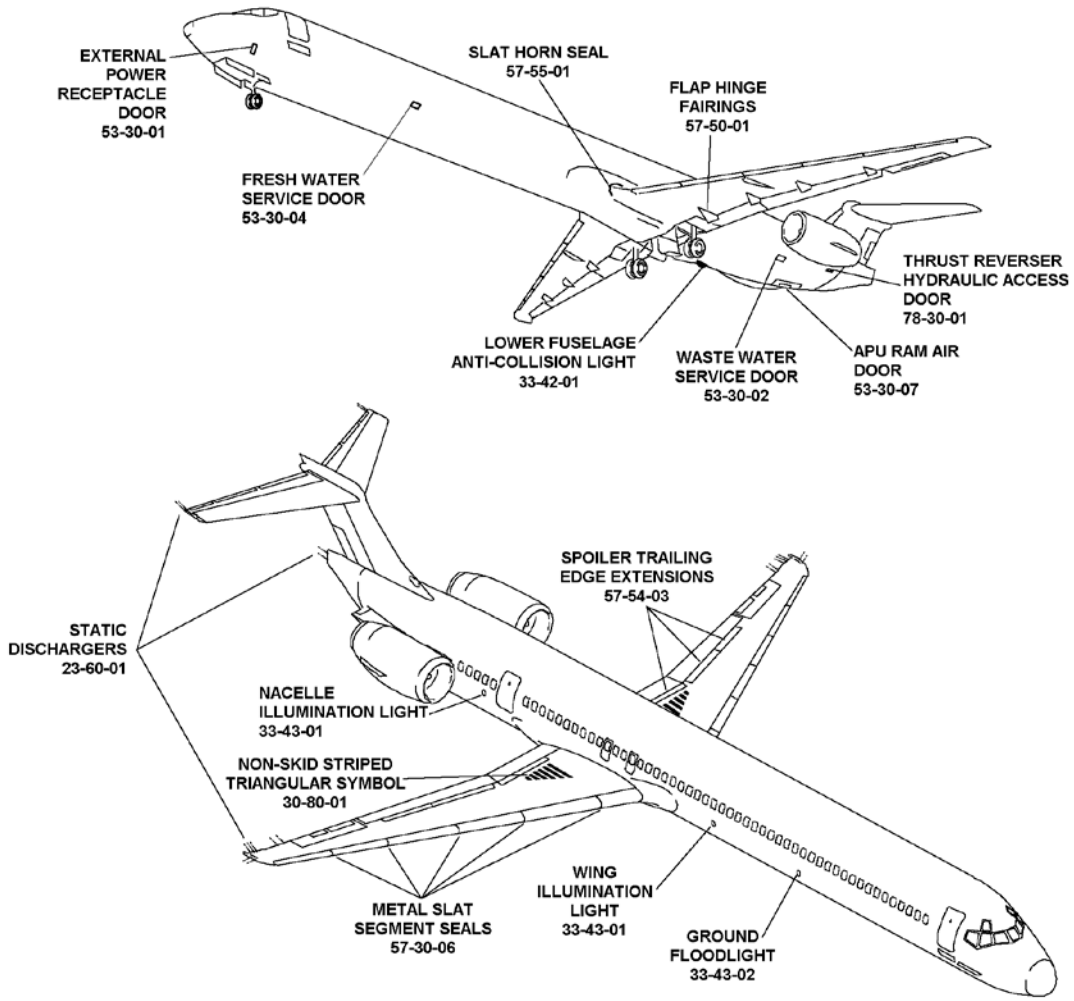
6. **Takeoff Performance Worksheet:** LCC will complete this Worksheet (including performance corrections shown in this section) and a copy will be provided to the flight crew when dispatched with a Manual WDR. This section contains three subsections: Takeoff, Landing, and Other Corrections. The section titled "Other Corrections" will only appear if other corrections are to be performed.

   TAKEOFF
   - Runway Allowable Takeoff Weight adjustment.
   - Takeoff Climb Limit Weight adjustment.

   LANDING
   - Runway Allowable Landing Weight adjustment.
   - Approach/Landing Climb Limit Weight adjustment.
   - Maximum Quick Turnaround Landing Weight adjustment.

   OTHER CORRECTIONS
   - V-speed adjustments.
   - Landing speed adjustments.
   - EPR or N_1 adjustments.

CDL Item General Locations



THERE ARE NO ATA 21 ITEMS IN THE MD-90 CONFIGURATION DEVIATION LIST

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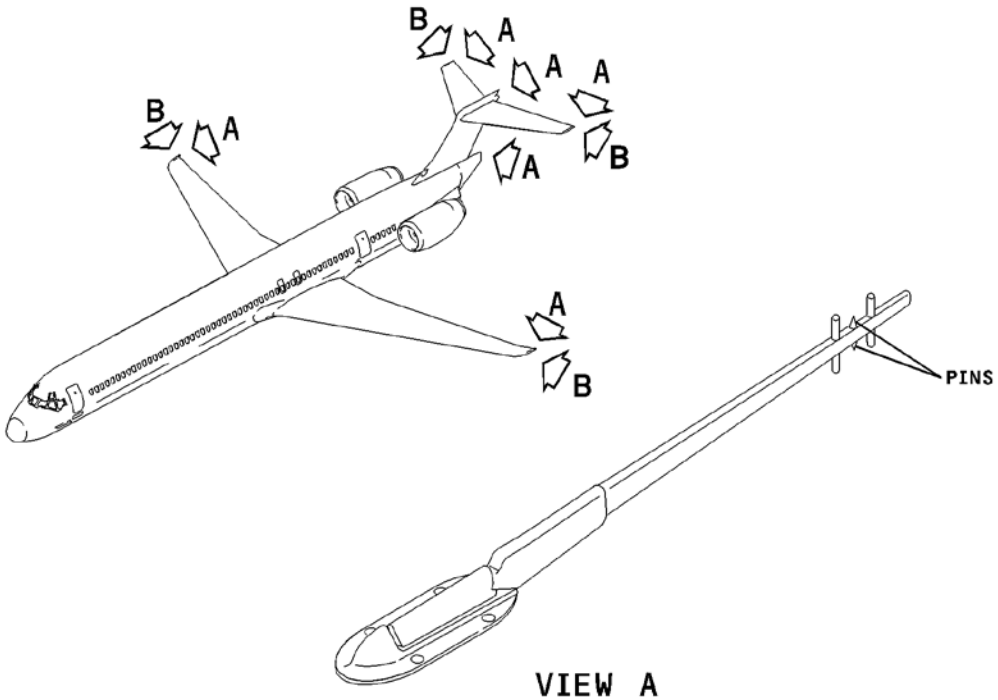
ATA 23 Contents

23-60-01 Static Dischargers 23-2

NUMBER INSTALLED			NUMBER REQUIRED FOR DISPATCH		
FLIGHT CREW MAY PLACARD			REPAIR CATEGORY		
ITEM NO.	NAME / DESCRIPTION				REMARKS OR EXCEPTIONS
23-60-01	Static Dischargers **"DISP.APPR.REQ'D."**	**Y** -	0		

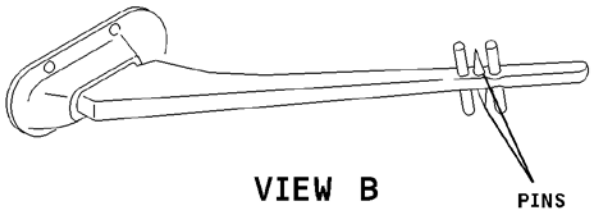
CDL ITEM	TAB LOCATION	PLACARD TEXT
23-60-01	N/A	___ Static Discharger(s) missing



VIEW A

TRAILING EDGE STATIC DISCHARGER (TYPICAL)

PIN TYPE



VIEW B

THERE ARE NO ATA 27 ITEMS IN THE MD-90 CONFIGURATION DEVIATION LIST

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THERE ARE NO ATA 28 ITEMS IN THE MD-90 CONFIGURATION DEVIATION LIST

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ATA 30 Contents

30-80-01A Non-Skid Striped Symbols.....30-2

ITEM NO.	NAME / DESCRIPTION	NUMBER INSTALLED: FLIGHT CREW MAY PLACARD		NUMBER REQUIRED FOR DISPATCH: REPAIR CATEGORY		REMARKS OR EXCEPTIONS
	CLEAR ICE DETECTION					
30-80-01A	Non-Skid Striped Symbols **"DISP.APPR.REQ'D."**	**Y**	-	-		Up to 50% of the total area per side may be missing provided at least one (1) stripe extending to the rear spar is intact.
30-80-01B	Non-Skid Striped Symbols **"DISP.APPR.REQ'D."**	**Y**	-	0		May be missing provided Takeoff is not initiated unless the flight crew verifies that a physical check is made of the upper wing to assure that there is no ice on the wing when icing conditions exist.

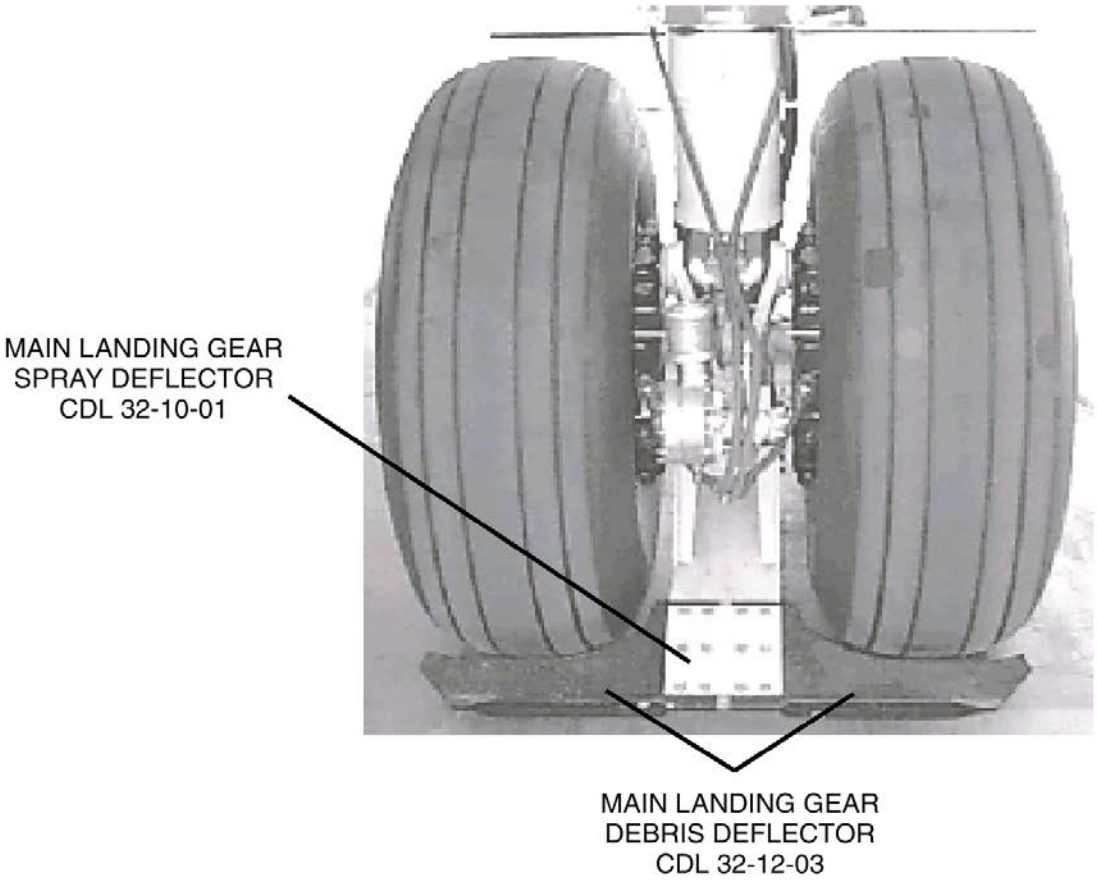
CDL ITEM	TAB LOCATION	PLACARD TEXT
30-80-01A	N/A	___ Clear Ice Detection Non-Skid Striped Symbol(s) missing
30-80-01B	N/A	___ Clear Ice Detection Non-Skid Striped Symbol(s) missing

ATA 32 Contents

32-10-01 Main Landing Gear Spray Deflectors 32-2
32-12-03 Main Landing Gear Debris Deflectors (Rubber Flaps) 32-3
32-20-01A Nose Wheel Spray Deflector 32-4
32-37-01 Nose Landing Gear Debris Deflector 32-5

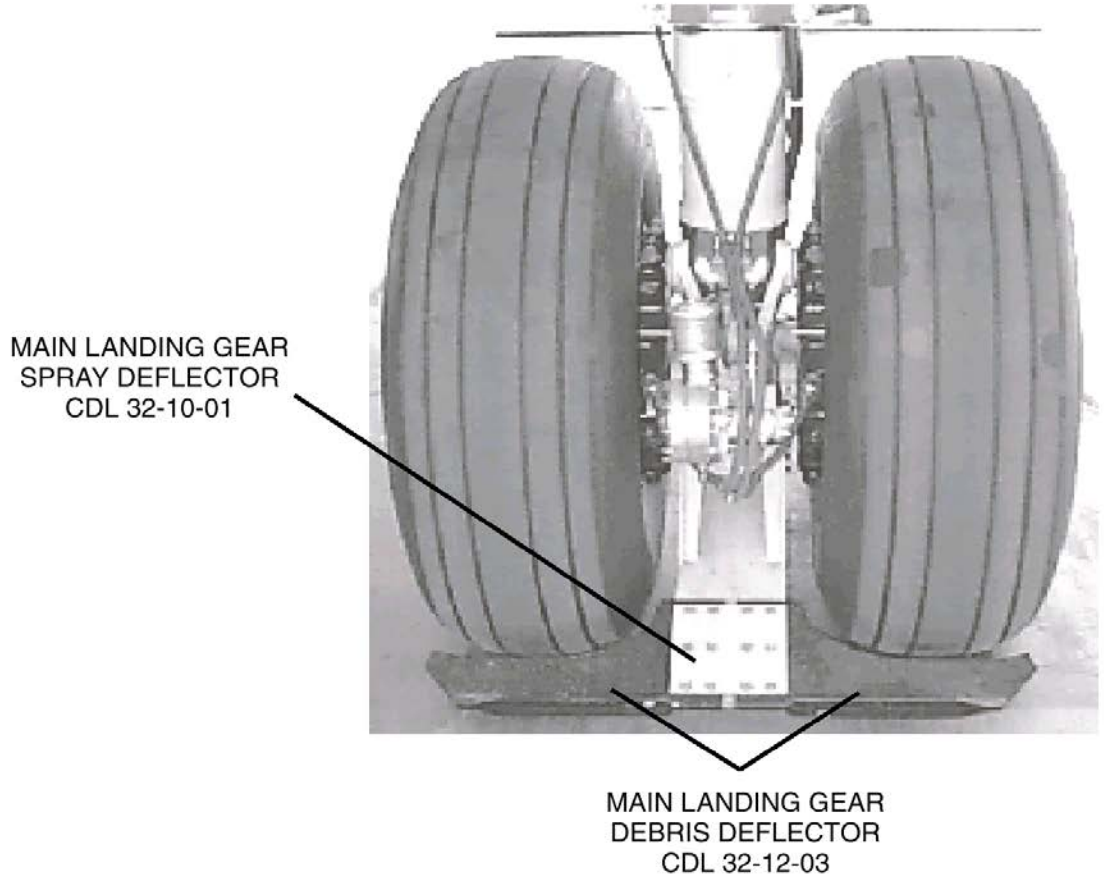
NUMBER INSTALLED			NUMBER REQUIRED FOR DISPATCH		
	FLIGHT CREW MAY PLACARD			REPAIR CATEGORY	
ITEM NO.	NAME / DESCRIPTION				REMARKS OR EXCEPTIONS
32-10-01	Main Landing Gear Spray Deflectors **"DISP.APPR.REQ'D."**	**N**	2	0	MLG spray deflectors may be removed provided there are dry runways at the departure and destination airports. NOTE: This CDL item may **not** be applied in combination with any other CDL item in this chapter.

CDL ITEM	TAB LOCATION	PLACARD TEXT
32-10-01	N/A	___ Main Landing Gear Spray Deflector(s) missing



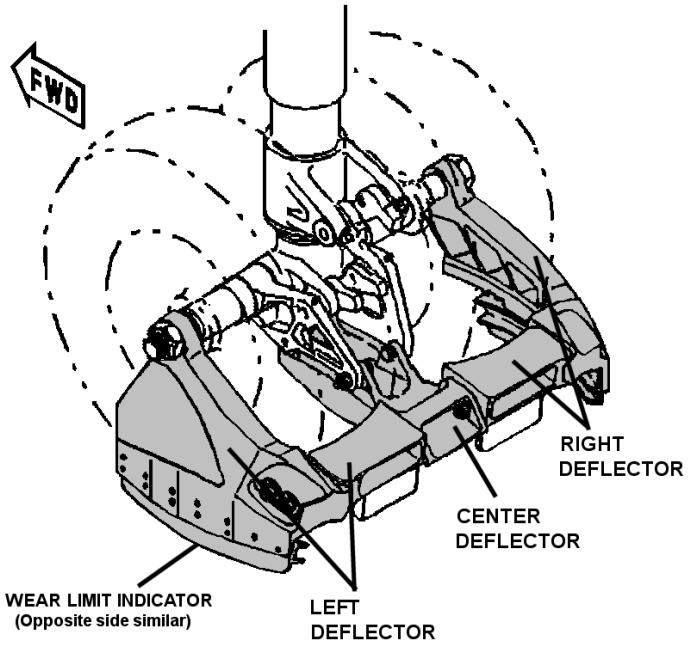
NUMBER INSTALLED			NUMBER REQUIRED FOR DISPATCH		
	FLIGHT CREW MAY PLACARD			REPAIR CATEGORY	
ITEM NO.	NAME / DESCRIPTION				REMARKS OR EXCEPTIONS
32-12-03	Main Landing Gear Debris Deflectors (Rubber Flaps) **"DISP.APPR.REQ'D."**	**N**	4	0	NOTE: This CDL item may **not** be applied in combination with any other CDL item in this chapter.

CDL ITEM	TAB LOCATION	PLACARD TEXT
32-12-03	N/A	___ Main Landing Gear Debris Deflector(s) missing



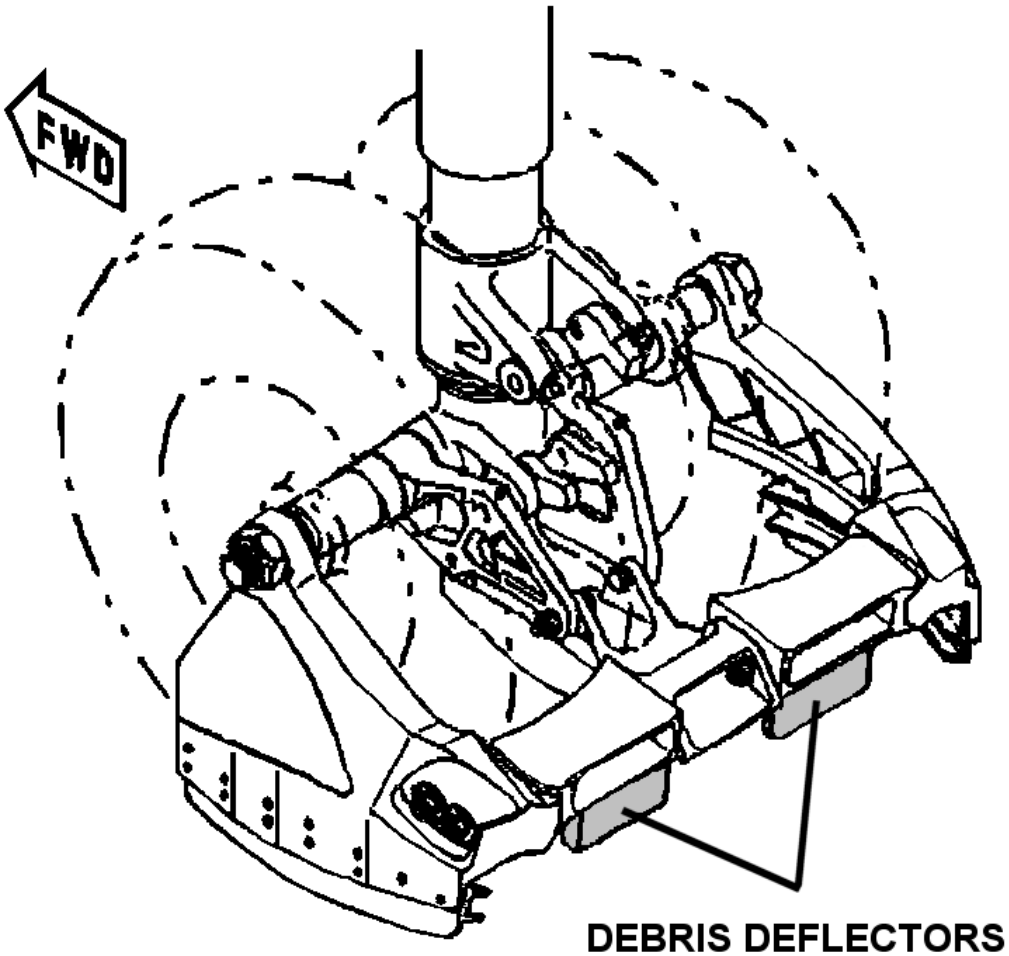
ITEM NO.	NAME / DESCRIPTION	NUMBER INSTALLED FLIGHT CREW MAY PLACARD		NUMBER REQUIRED FOR DISPATCH REPAIR CATEGORY		REMARKS OR EXCEPTIONS
32-20-01A	Nose Wheel Spray Deflector **"DISP.APPR.REQ'D."**	**N**	1	0		NLG spray deflector or outer portions only may be removed provided there are dry runways at the departure and destination airports. NOTE 1: To avoid uneven aerodynamic loading on the nose landing gear, it is recommended that both outer portions or the entire nose wheel spray deflector be removed. NOTE 2: This CDL item may **not** be applied in combination with any other CDL item in this chapter.
32-20-01B	Nose Wheel Spray Deflector **"DISP.APPR.REQ'D."**	**N**	1	0		For airplanes with molded rubber side plates, continued operation is permissible when the side plates have worn below the wear limits indicated on the side plates provided there is no standing water on runways at the departure and destination airports. NOTE: This CDL item may **not** be applied in combination with any other CDL item in this chapter.

CDL ITEM	TAB LOCATION	PLACARD TEXT
32-20-01A	N/A	Nose Wheel Spray Deflector missing
32-20-01B	N/A	Nose Wheel Spray Deflector missing



NUMBER INSTALLED			NUMBER REQUIRED FOR DISPATCH		
	FLIGHT CREW MAY PLACARD			REPAIR CATEGORY	
ITEM NO.	NAME / DESCRIPTION				REMARKS OR EXCEPTIONS
32-37-01	Nose Landing Gear Debris Deflector **"DISP.APPR.REQ'D."**	**Y**	2	0	NOTE: This CDL item may **not** be applied in combination with any other CDL item in this chapter.

CDL ITEM	TAB LOCATION	PLACARD TEXT
32-37-01	N/A	___ Nose Landing Gear Debris Deflector(s) missing



DEBRIS DEFLECTORS

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ATA 33 Contents

33-42-01 Lower Fuselage Anti-Collision Light (Red) 33-2
33-42-02 Fixed Aft Position Light Lens Covers 33-4
33-42-03 Fixed Forward Position Light Lens Covers 33-6
33-43-01 Wing and Nacelle Illumination Light Lens Covers 33-8
33-43-02 Ground Floodlight Lens Covers 33-10
33-44-01 Logo Lights 33-12

NUMBER INSTALLED			NUMBER REQUIRED FOR DISPATCH		
	FLIGHT CREW MAY PLACARD			REPAIR CATEGORY	
ITEM NO.	NAME / DESCRIPTION				REMARKS OR EXCEPTIONS
33-42-01	Lower Fuselage Anti-Collision Light (Red) **"DISP.APPR.REQ'D."**	**N**	1	0	**(O)(M)** Lens may be missing provided: a) Both Wing Tip Strobe Anti-Collision Lights must be operative if airplane is to be operated at night, and b) Performance corrections are applied. NOTE 1: Make additional logbook entry, "lower fuselage anti-collision light inoperative". Defer per MEL 33-42-01A or 33-42-01B as appropriate. NOTE 2: This CDL item may **not** be applied in combination with any other CDL item in this chapter.

CDL ITEM	TAB LOCATION	PLACARD TEXT
33-42-01	N/A	Lower Fuselage Anti-Collision Light Lens missing

(O) PROCEDURES

33-42-01	**LOWER FUSELAGE ANTI-COLLISION LIGHT (RED)**
EFFECTIVITY	**All**
FLIGHT PLANNING REQUIREMENTS	Reduce ENROUTE LIMIT WT by 100 lbs.
NOTES	Make a notation on the Flight Plan when Enroute Climb is limiting.
AWABS	Performance corrections have been applied.
TAKEOFF PERFORMANCE WORKSHEET	**TAKEOFF** 1. Reduce RATOW by 100 lbs. 2. Reduce T/O CLIMB LIMIT by 100 lbs. **LANDING** 1. Reduce RWY ALLOWABLE LANDING WT by 100 lbs. 2. Reduce LANDING CLIMB LIMIT WT by 100 lbs. **OTHER CORRECTIONS** 1. Determine V-Speeds from ODM Takeoff Section charts for applicable Thrust/Flap setting and enter with the actual takeoff weight increased by the CDL takeoff weight penalty of 100 lbs. 2. Determine all other speeds at actual operating weight.

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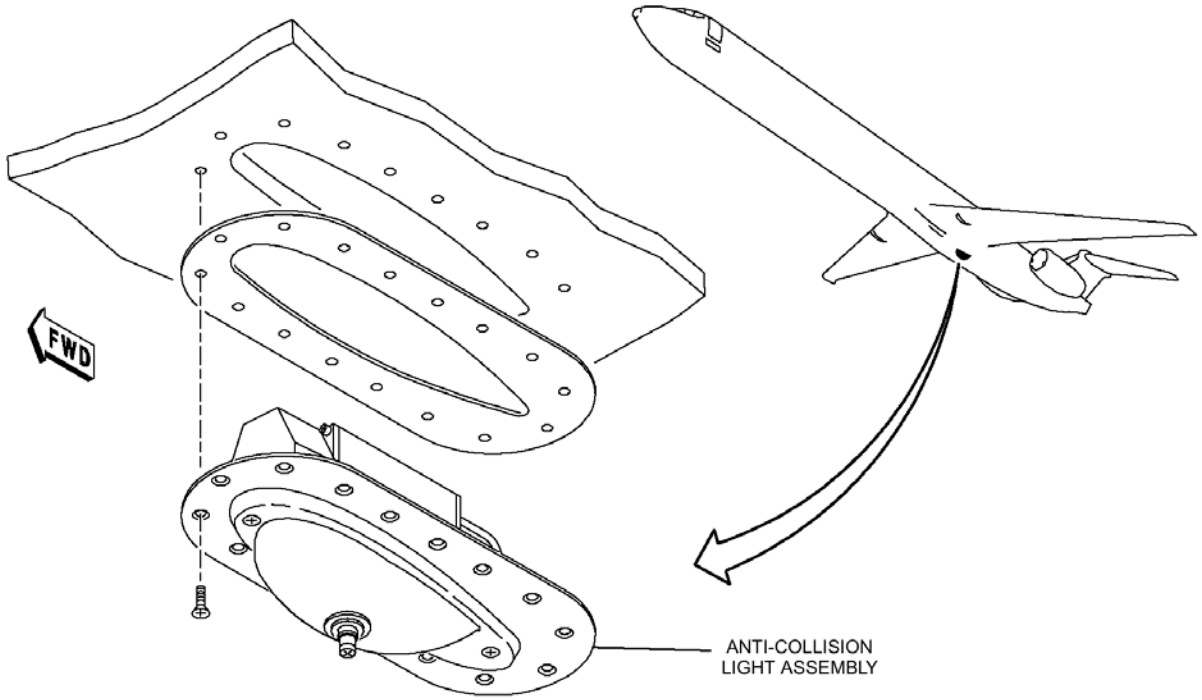
(M) PROCEDURES

If light bulb is to be removed, electrical connector must be stowed and light assembly inner housing must be reinstalled. Associated circuit breaker must be pulled and secured.



NUMBER INSTALLED			NUMBER REQUIRED FOR DISPATCH		
	FLIGHT CREW MAY PLACARD			REPAIR CATEGORY	
ITEM NO.	NAME / DESCRIPTION				REMARKS OR EXCEPTIONS
33-42-02	Fixed Aft Position Light Lens Covers **"DISP.APPR.REQ'D."**	**N**	2	0	**(O)(M)** May be missing provided performance corrections are applied. NOTE 1: If the Position Light Bulbs are inoperative or removed, make additional logbook entry, “fixed aft position light bulbs (wing tips, white) inoperative”. Defer per MEL 33-42-03A or 33-42-03B as appropriate. NOTE 2: If the White Strobe/Anti-Collision Lights are inoperative or removed, make additional logbook entry, “white strobe/anti-collision lights inoperative”. Defer per MEL 33-42-05A or 33-42-05B as appropriate. NOTE 3: This CDL item may **not** be applied in combination with any other CDL item in this chapter.

CDL ITEM	TAB LOCATION	PLACARD TEXT
33-42-02	N/A	___ Fixed Aft Position Light Lens Cover(s) missing

(O) PROCEDURES

33-42-02	FIXED AFT POSITION LIGHT LENS COVERS
EFFECTIVITY	**All**
FLIGHT PLANNING REQUIREMENTS	Reduce ENROUTE LIMIT WT by 165 lbs. for each missing lens cover.
NOTES	Make a notation on the Flight Plan when Enroute Climb is limiting.
AWABS	Performance corrections have been applied.
TAKEOFF PERFORMANCE WORKSHEET	**TAKEOFF** 1. Reduce RATOW by 140 lbs. for each missing lens cover. 2. Reduce T/O CLIMB LIMIT by 140 lbs. for each missing lens cover. **LANDING** 1. Reduce RWY ALLOWABLE LANDING WT by 75 lbs. for each missing lens cover. 2. Reduce LANDING CLIMB LIMIT WT by 75 lbs. for each missing lens cover. **OTHER CORRECTIONS** 1. Determine V-Speeds from ODM Takeoff Section charts for applicable Thrust/Flap setting and enter with the actual takeoff weight increased by the CDL takeoff weight penalty of 140 lbs. for each missing lens cover. 2. Determine all other speeds at actual operating weight.

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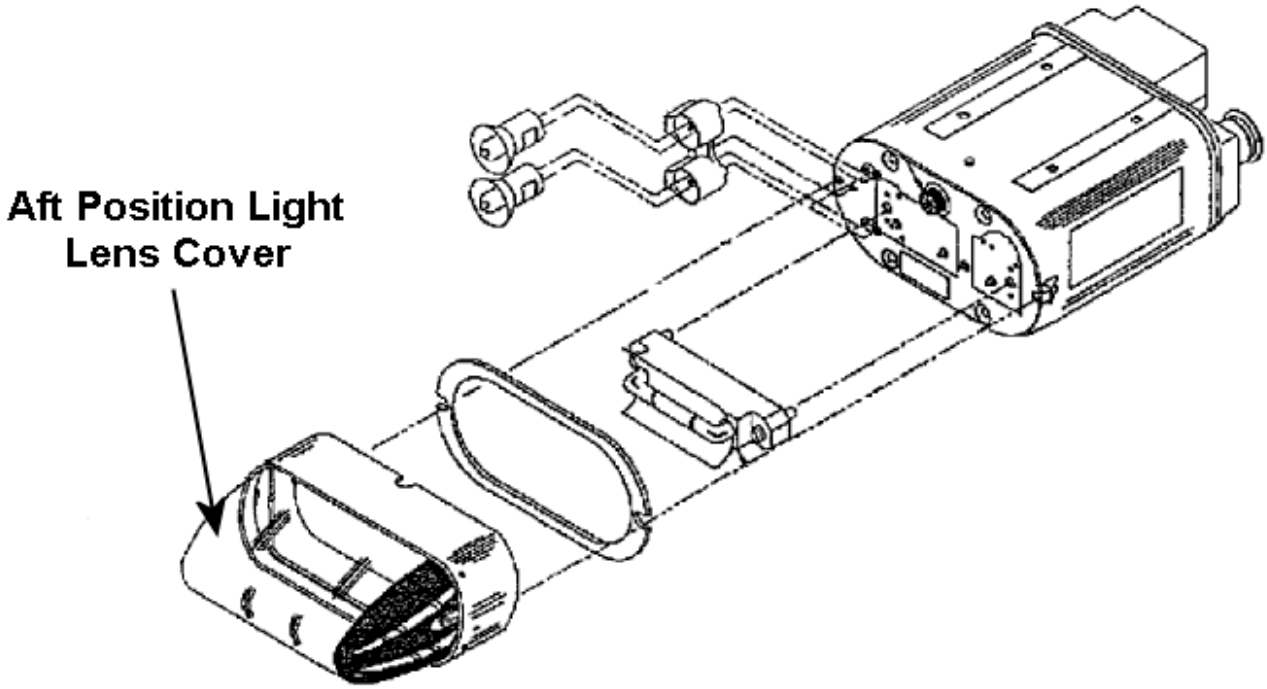
(M) PROCEDURES

If the Position Light Bulbs and/or White Strobe/Anti-Collision Lights are to be removed, electrical connector must be stowed and associated circuit breaker must be pulled and secured.



NUMBER INSTALLED			NUMBER REQUIRED FOR DISPATCH		
	FLIGHT CREW MAY PLACARD			REPAIR CATEGORY	
ITEM NO.	NAME / DESCRIPTION				REMARKS OR EXCEPTIONS
33-42-03	Fixed Forward Position Light Lens Covers **"DISP.APPR.REQ'D."**	**N**	2	0	**(O)(M)** May be missing provided performance corrections are applied. NOTE 1: If the Position Light Bulbs are inoperative or removed, make additional logbook entry, "fixed forward position light bulbs (wing tips) inoperative". Defer per MEL 33-42-02A or 33-42-02B as appropriate. NOTE 2: If the White Strobe/Anti-Collision Lights are inoperative or removed, make additional logbook entry, "white strobe/anti-collision lights inoperative". Defer per MEL 33-42-05A or 33-42-05B as appropriate. NOTE 3: This CDL item may **not** be applied in combination with any other CDL item in this chapter.

CDL ITEM	TAB LOCATION	PLACARD TEXT
33-42-03	N/A	___ Fixed Forward Position Light Lens Cover(s) missing

(O) PROCEDURES

33-42-03	FIXED FORWARD POSITION LIGHT LENS COVERS
EFFECTIVITY	**All**
FLIGHT PLANNING REQUIREMENTS	Reduce ENROUTE LIMIT WT by 850 lbs. for each missing lens cover.
NOTES	Make a notation on the Flight Plan when Enroute Climb is limiting.
AWABS	Performance corrections have been applied.
TAKEOFF PERFORMANCE WORKSHEET	**TAKEOFF** 1. Reduce RATOW by 700 lbs. for each missing lens cover. 2. Reduce T/O CLIMB LIMIT by 700 lbs. for each missing lens cover. **LANDING** 1. Reduce RWY ALLOWABLE LANDING WT by 370 lbs. for each missing lens cover. 2. Reduce LANDING CLIMB LIMIT WT by 370 lbs. for each missing lens cover. **OTHER CORRECTIONS** 1. Determine V-Speeds from ODM Takeoff Section charts for applicable Thrust/Flap setting and enter with the actual takeoff weight increased by the CDL takeoff weight penalty of 700 lbs. for each missing lens cover. 2. Determine all other speeds at actual operating weight.

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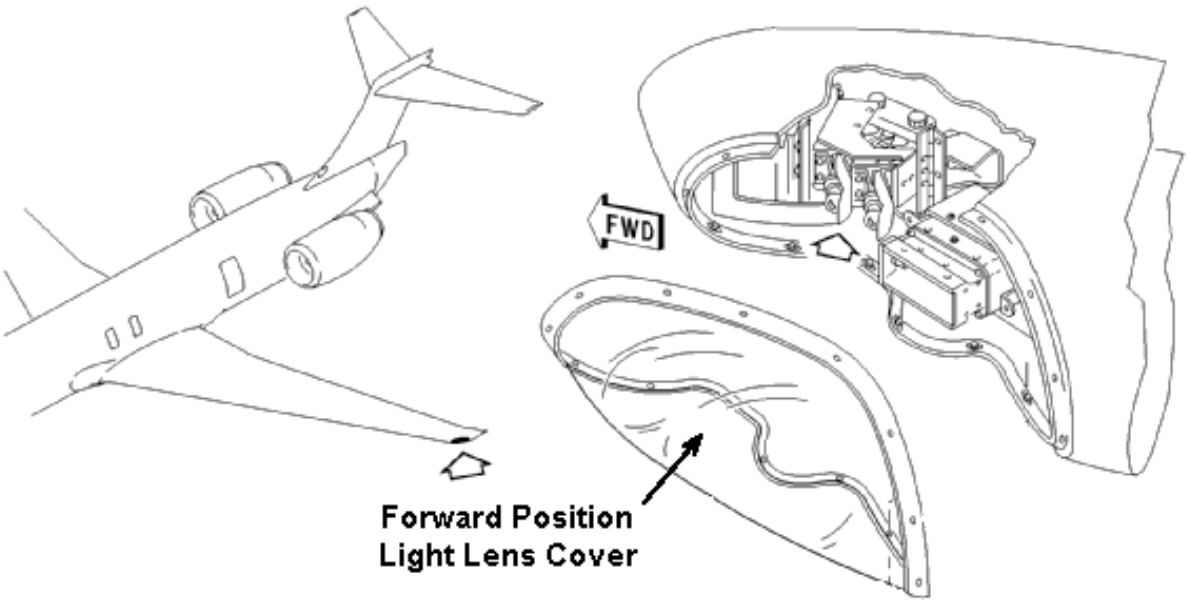
(M) PROCEDURES

If the Position Light Bulbs and/or White Strobe/Anti-Collision Lights are to be removed, electrical connector must be stowed and associated circuit breaker must be pulled and secured.



NUMBER INSTALLED			NUMBER REQUIRED FOR DISPATCH		
	FLIGHT CREW MAY PLACARD			REPAIR CATEGORY	
ITEM NO.	NAME / DESCRIPTION				REMARKS OR EXCEPTIONS
33-43-01	Wing and Nacelle Illumination Light Lens Covers **"DISP.APPR.REQ'D."**	**N**	4	0	**(O)(M)** May be missing provided performance corrections are applied. NOTE 1: For wing illumination light lens cover(s) missing, make additional logbook entry, "wing illumination light inoperative". Defer per MEL 33-43-01A. NOTE 2: For nacelle illumination light lens cover(s) missing, make additional logbook entry, "nacelle illumination light inoperative". Defer per MEL 33-43-01B. NOTE 3: This CDL item may **not** be applied in combination with any other CDL item in this chapter.

CDL ITEM	TAB LOCATION	PLACARD TEXT
33-43-01	N/A	___ Illumination Light Lens Cover(s) missing

(O) PROCEDURES

33-43-01	**WING AND NACELLE ILLUMINATION LIGHT LENS COVERS**
EFFECTIVITY	**All**
FLIGHT PLANNING REQUIREMENTS	Reduce ENROUTE LIMIT WT by 100 lbs. for each missing cover.
NOTES	Make a notation on the Flight Plan when Enroute Climb is limiting.
AWABS	Performance corrections have been applied.
TAKEOFF PERFORMANCE WORKSHEET	**TAKEOFF** 1. Reduce RATOW by 100 lbs. for each missing cover. 2. Reduce T/O CLIMB LIMIT by 100 lbs. for each missing cover. **LANDING** 1. Reduce RWY ALLOWABLE LANDING WT by 100 lbs. for each missing cover. 2. Reduce LANDING CLIMB LIMIT WT by 100 lbs. for each missing cover. **OTHER CORRECTIONS** 1. Determine V-Speeds from ODM Takeoff Section charts for applicable Thrust/Flap setting and enter with the actual takeoff weight increased by the CDL takeoff weight penalty of 100 lbs. for each missing cover. 2. Determine all other speeds at actual operating weight.

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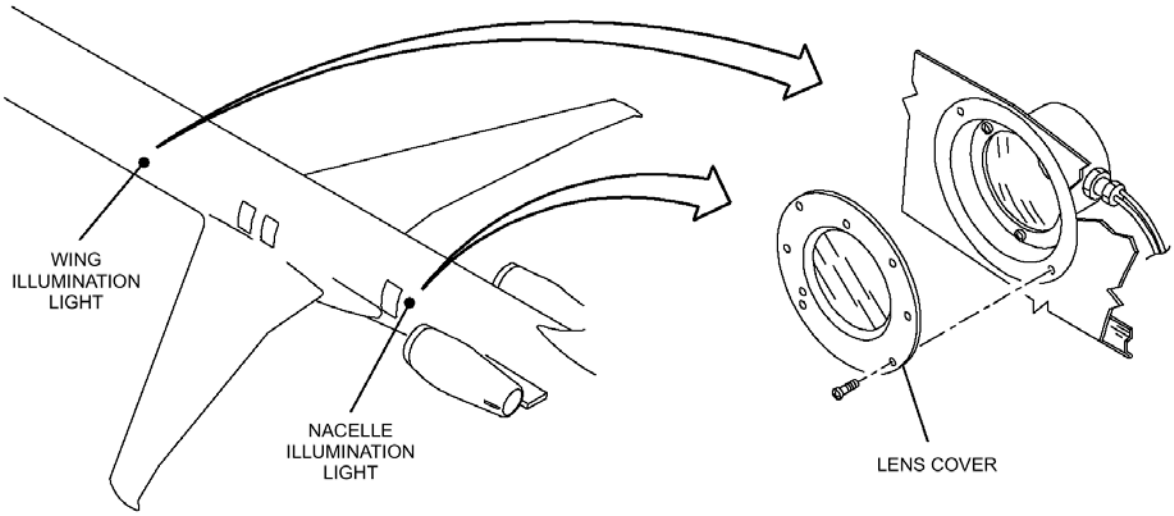
(M) PROCEDURES

If light bulb is to be removed, electrical connector must be stowed and associated circuit breaker must be pulled and secured.



NUMBER INSTALLED			NUMBER REQUIRED FOR DISPATCH		
FLIGHT CREW MAY PLACARD			REPAIR CATEGORY		
ITEM NO.	NAME / DESCRIPTION				REMARKS OR EXCEPTIONS
33-43-02	Ground Floodlight Lens Covers **"DISP.APPR.REQ'D."**	**N**	2	0	**(O)(M)** May be missing provided performance corrections are applied. NOTE 1: Make additional logbook entry, "ground floodlight inoperative". Defer per MEL 33-43-02. NOTE 2: This CDL item may **not** be applied in combination with any other CDL item in this chapter.

CDL ITEM	TAB LOCATION	PLACARD TEXT
33-43-02	N/A	___ Ground Floodlight Lens Cover(s) missing

(O) PROCEDURES

33-43-02	GROUND FLOODLIGHT LENS COVERS
EFFECTIVITY	**All**
FLIGHT PLANNING REQUIREMENTS	Reduce ENROUTE LIMIT WT by 100 lbs. for each missing cover.
NOTES	Make a notation on the Flight Plan when Enroute Climb is limiting.
AWABS	Performance corrections have been applied.
TAKEOFF PERFORMANCE WORKSHEET	**TAKEOFF** 1. Reduce RATOW by 100 lbs. for each missing cover. 2. Reduce T/O CLIMB LIMIT by 100 lbs. for each missing cover. **LANDING** 1. Reduce RWY ALLOWABLE LANDING WT by 100 lbs. for each missing cover. 2. Reduce LANDING CLIMB LIMIT WT by 100 lbs. for each missing cover. **OTHER CORRECTIONS** 1. Determine V-Speeds from ODM Takeoff Section charts for applicable Thrust/Flap setting and enter with the actual takeoff weight increased by the CDL takeoff weight penalty of 100 lbs. for each missing cover. 2. Determine all other speeds at actual operating weight.

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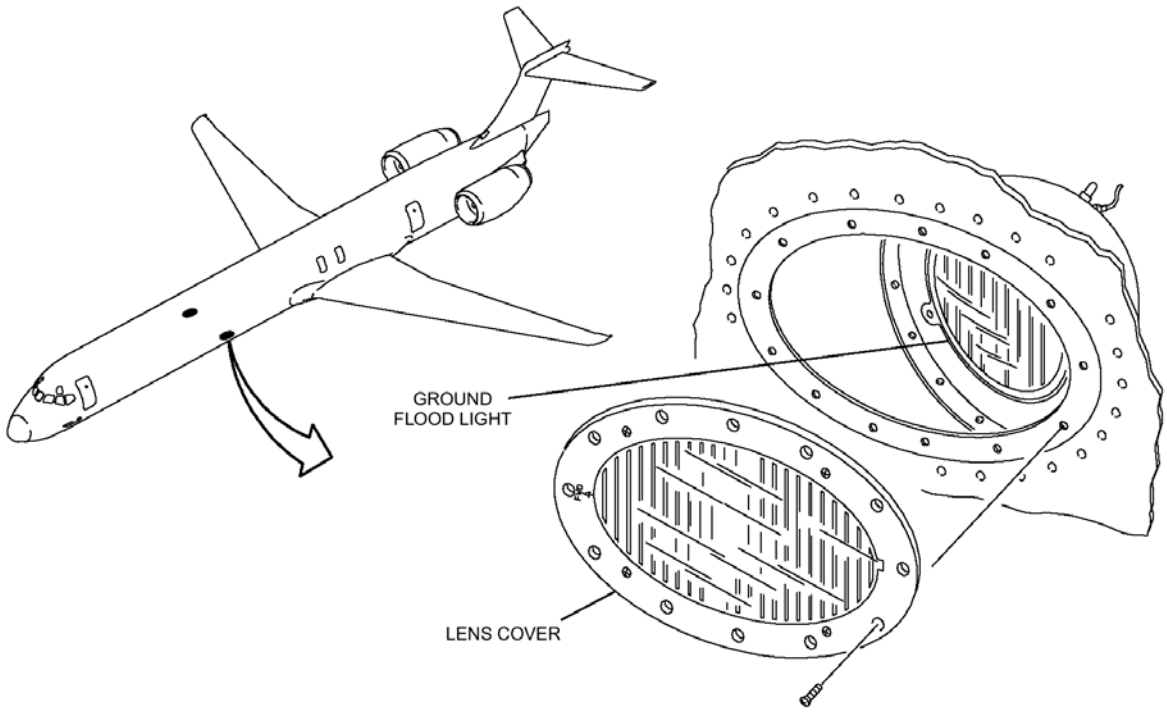
(M) PROCEDURES

If light bulb is to be removed, electrical connector must be stowed and associated circuit breaker must be pulled and secured.

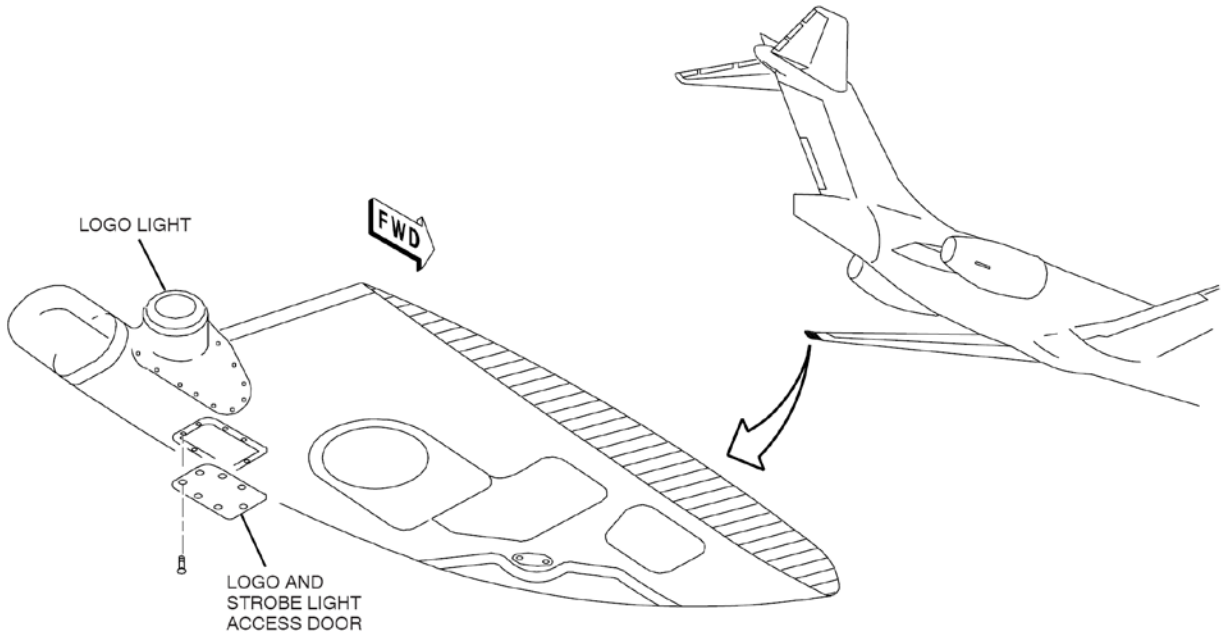


NUMBER INSTALLED			NUMBER REQUIRED FOR DISPATCH		
	FLIGHT CREW MAY PLACARD			REPAIR CATEGORY	
ITEM NO. NAME / DESCRIPTION					REMARKS OR EXCEPTIONS
33-44-01 Logo Lights **"DISP.APPR.REQ'D."**	**N**	2	0		**(M)** One or both may be missing. NOTE 1: Make additional logbook entry, "logo light inoperative". Defer per MEL 33-44-01. NOTE 2: This CDL item may **not** be applied in combination with any other CDL item in this chapter.

CDL ITEM	TAB LOCATION	PLACARD TEXT
33-44-01	N/A	___ Logo Light(s) missing

(M) PROCEDURES

If light bulb is to be removed, electrical connector must be stowed and associated circuit breaker must be pulled and secured.



THERE ARE NO ATA 38 ITEMS IN THE MD-90 CONFIGURATION DEVIATION LIST

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THERE ARE NO ATA 49 ITEMS IN THE MD-90 CONFIGURATION DEVIATION LIST

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THERE ARE NO ATA 52 ITEMS IN THE MD-90 CONFIGURATION DEVIATION LIST

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ATA 53 Contents

53-30-01 External Power Receptacle Door 53-2
53-30-02 Waste Water Service Door - Aft 53-4
53-30-04 Fresh Water Service Door 53-5
53-30-05A Conditioned Air Ground Connect Door - Forward 53-7
53-30-05B Conditioned Air Ground Connect Door - Aft 53-7
53-30-07 APU Ram Air Door 53-9

NUMBER INSTALLED			NUMBER REQUIRED FOR DISPATCH		
FLIGHT CREW MAY PLACARD			REPAIR CATEGORY		
ITEM NO.	NAME / DESCRIPTION				REMARKS OR EXCEPTIONS
53-30-01	External Power Receptacle Door **"DISP.APPR.REQ'D."**	**N**	1	0	**(O)** May be missing provided performance corrections are applied. NOTE: This CDL item may **not** be applied in combination with any other CDL item in this chapter.

CDL ITEM	TAB LOCATION	PLACARD TEXT
53-30-01	N/A	External Power Receptacle Door missing

(O) PROCEDURES

53-30-01	**EXTERNAL POWER RECEPTACLE DOOR**
EFFECTIVITY	**All**
FLIGHT PLANNING REQUIREMENTS	Reduce ENROUTE LIMIT WT by 100 lbs.
NOTES	Make a notation on the Flight Plan when Enroute Climb is limiting.
AWABS	Performance corrections have been applied.
TAKEOFF PERFORMANCE WORKSHEET	**TAKEOFF** 1. Reduce RATOW by 100 lbs. 2. Reduce T/O CLIMB LIMIT by 100 lbs. **LANDING** 1. Reduce RWY ALLOWABLE LANDING WT by 100 lbs. 2. Reduce LANDING CLIMB LIMIT WT by 100 lbs. **OTHER CORRECTIONS** 1. Determine V-Speeds from ODM Takeoff Section charts for applicable Thrust/Flap setting and enter with the actual takeoff weight increased by the CDL takeoff weight penalty of 100 lbs. 2. Determine all other speeds at actual operating weight.

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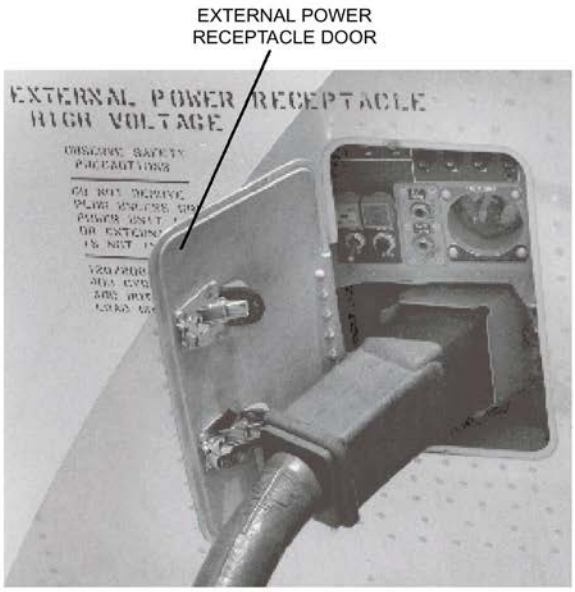
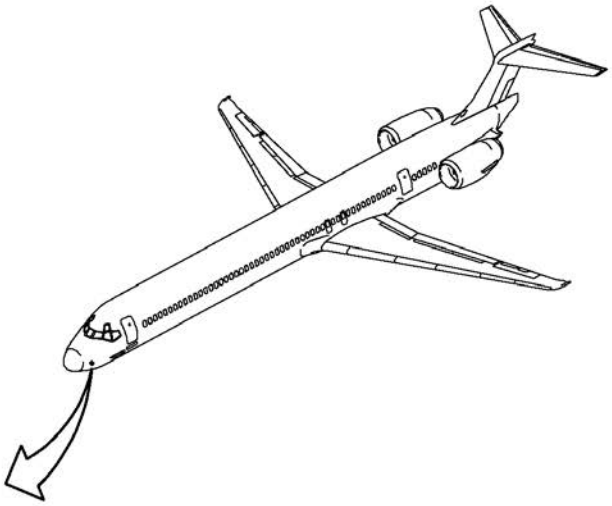

EXTERNAL POWER
RECEPTACLE DOOR
EXTERNAL POWER RECEPTACLE
HIGH VOLTAGE



ITEM NO.	NAME / DESCRIPTION	FLIGHT CREW MAY PLACARD	NUMBER INSTALLED	NUMBER REQUIRED FOR DISPATCH	REPAIR CATEGORY	REMARKS OR EXCEPTIONS
53-30-02	Waste Water Service Door - Aft **"DISP.APPR.REQ'D."**	**N**	1	0		**(O)(M)** May be missing provided: a) Waste tank is serviced PRIOR TO EACH DEPARTURE (Log Book Entry Required) from a station where Delta maintenance is on duty, and b) Performance corrections are applied. NOTE: This CDL item may **not** be applied in combination with any other CDL item in this chapter. **Repetitive Check Required (Yellow Placard)**

CDL ITEM	TAB LOCATION	PLACARD TEXT
53-30-02	N/A	Aft Waste Water Service Door missing

(O) PROCEDURES

53-30-02	WASTE WATER SERVICE DOOR - AFT
EFFECTIVITY	**All**
FLIGHT PLANNING REQUIREMENTS	Reduce ENROUTE LIMIT WT by 100 lbs.
NOTES	Make a notation on the Flight Plan when Enroute Climb is limiting.
AWABS	Performance corrections have been applied.
TAKEOFF PERFORMANCE WORKSHEET	**TAKEOFF** 1. Reduce RATOW by 100 lbs. 2. Reduce T/O CLIMB LIMIT by 100 lbs. **LANDING** 1. Reduce RWY ALLOWABLE LANDING WT by 100 lbs. 2. Reduce LANDING CLIMB LIMIT WT by 100 lbs. **OTHER CORRECTIONS** 1. Determine V-Speeds from ODM Takeoff Section charts for applicable Thrust/Flap setting and enter with the actual takeoff weight increased by the CDL takeoff weight penalty of 100 lbs. 2. Determine all other speeds at actual operating weight.

(M) PROCEDURES

1. The Waste Drain Ball Valve Pull Handle must be secured in position with safety wire after each servicing to restrict its movement inflight.
2. The Service Panel Waste Drain Valve Cap must be properly secured closed after each servicing.
3. Verify waste tank is emptied prior to departing a station where Delta maintenance is on duty.

ITEM NO.	NAME / DESCRIPTION	NUMBER INSTALLED	NUMBER REQUIRED FOR DISPATCH		REMARKS OR EXCEPTIONS
		FLIGHT CREW MAY PLACARD		REPAIR CATEGORY	
53-30-04	Fresh Water Service Door **"DISP.APPR.REQ'D."**	**N**	1	0	**(O)** May be missing provided performance corrections are applied. NOTE: This CDL item may **not** be applied in combination with any other CDL item in this chapter.

CDL ITEM	TAB LOCATION	PLACARD TEXT
53-30-04	N/A	Fresh Water Service Door missing

(O) PROCEDURES

53-30-04	FRESH WATER SERVICE DOOR
EFFECTIVITY	**All**
FLIGHT PLANNING REQUIREMENTS	Reduce ENROUTE LIMIT WT by 100 lbs.
NOTES	Make a notation on the Flight Plan when Enroute Climb is limiting.
AWABS	Performance corrections have been applied.
TAKEOFF PERFORMANCE WORKSHEET	**TAKEOFF** 1. Reduce RATOW by 100 lbs. 2. Reduce T/O CLIMB LIMIT by 100 lbs. **LANDING** 1. Reduce RWY ALLOWABLE LANDING WT by 100 lbs. 2. Reduce LANDING CLIMB LIMIT WT by 100 lbs. **OTHER CORRECTIONS** 1. Determine V-Speeds from ODM Takeoff Section charts for applicable Thrust/Flap setting and enter with the actual takeoff weight increased by the CDL takeoff weight penalty of 100 lbs. 2. Determine all other speeds at actual operating weight.

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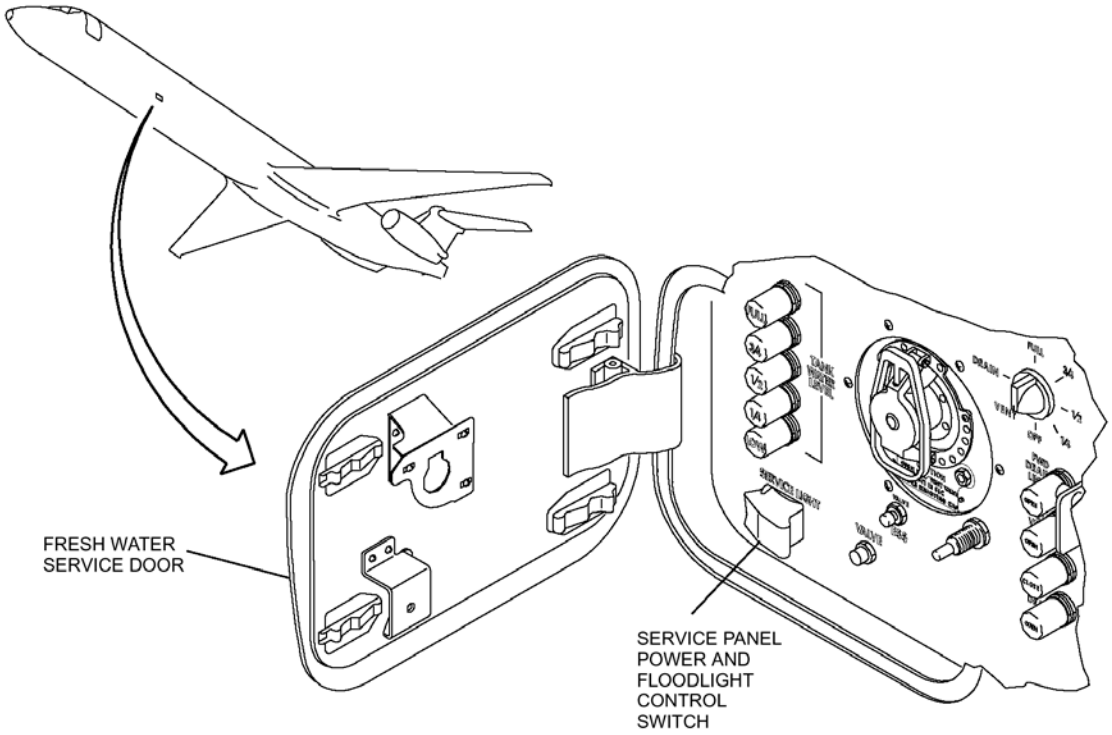


WARNING: MAKE SURE THERE IS NO WATER LEAKAGE IN THE SERVICE PANEL. WATER LEAKAGE IN THE SERVICE PANEL CAN FREEZE, BECOME ICE DURING FLIGHT, AND BOND TO THE AIRCRAFT SKIN. WHEN THE ICE FALLS OFF, IT CAN CAUSE INJURY TO PERSONS ON THE GROUND AND DAMAGE TO PROPERTY.

CAUTION: MAKE SURE THAT FILL ADAPTER CAP IS LOCKED.

ITEM NO.	NAME / DESCRIPTION	NUMBER INSTALLED	NUMBER REQUIRED FOR DISPATCH		FLIGHT CREW MAY PLACARD	REPAIR CATEGORY	REMARKS OR EXCEPTIONS
53-30-05A	Conditioned Air Ground Connect Door - Forward **"DISP.APPR.REQ'D."**		1	0	**N**		**(O)** May be missing provided: a) Both packs and both check valves must be operative for pressurized flights, and b) Performance corrections are applied. NOTE: This CDL item may **not** be applied in combination with any other CDL item in this chapter, except for 53-30-05B.
53-30-05B	Conditioned Air Ground Connect Door - Aft **"DISP.APPR.REQ'D."**		1	0	**N**		**(O)** May be missing provided: a) Both packs and both check valves must be operative for pressurized flights, and b) Performance corrections are applied. NOTE: This CDL item may **not** be applied in combination with any other CDL item in this chapter, except for 53-30-05A.

CDL ITEM	TAB LOCATION	PLACARD TEXT
53-30-05A	N/A	Forward Conditioned Air Ground Connect Door missing
53-30-05B	N/A	Aft Conditioned Air Ground Connect Door missing

(O) PROCEDURES

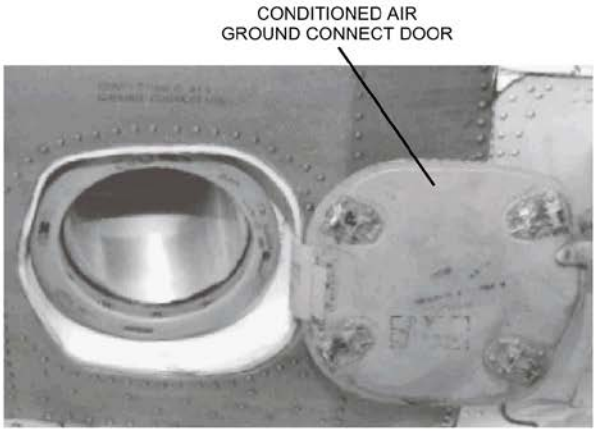
53-30-05A

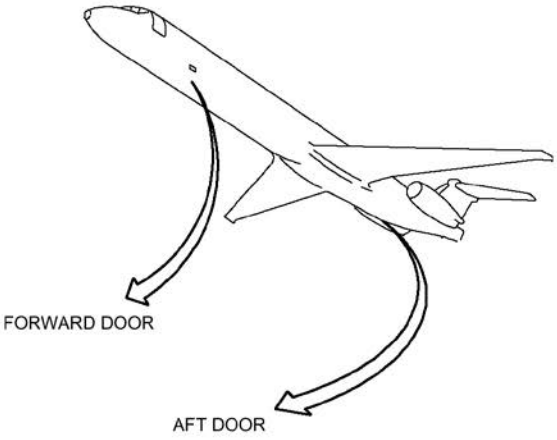
53-30-05A	**CONDITIONED AIR GROUND CONNECT DOOR - FORWARD**
EFFECTIVITY	**All**
FLIGHT PLANNING REQUIREMENTS	Reduce ENROUTE LIMIT WT by 150 lbs.
NOTES	Make a notation on the Flight Plan when Enroute Climb is limiting.
AWABS	Performance corrections have been applied.
TAKEOFF PERFORMANCE WORKSHEET	**TAKEOFF** 1. Reduce RATOW by 150 lbs. 2. Reduce T/O CLIMB LIMIT by 150 lbs. **LANDING** 1. Reduce RWY ALLOWABLE LANDING WT by 60 lbs. 2. Reduce LANDING CLIMB LIMIT WT by 60 lbs. **OTHER CORRECTIONS** 1. Determine V-Speeds from ODM Takeoff Section charts for applicable Thrust/Flap setting and enter with the actual takeoff weight increased by the CDL takeoff weight penalty of 150 lbs. 2. Determine all other speeds at actual operating weight.

Continued Next Page

53-30-05B

53-30-05B	CONDITIONED AIR GROUND CONNECT DOOR - AFT
EFFECTIVITY	**All**
FLIGHT PLANNING REQUIREMENTS	Reduce ENROUTE LIMIT WT by 100 lbs.
NOTES	Make a notation on the Flight Plan when Enroute Climb is limiting.
AWABS	Performance corrections have been applied.
TAKEOFF PERFORMANCE WORKSHEET	**TAKEOFF** 1. Reduce RATOW by 80 lbs. 2. Reduce T/O CLIMB LIMIT by 80 lbs. **LANDING** 1. Reduce RWY ALLOWABLE LANDING WT by 50 lbs. 2. Reduce LANDING CLIMB LIMIT WT by 50 lbs. **OTHER CORRECTIONS** 1. Determine V-Speeds from ODM Takeoff Section charts for applicable Thrust/Flap setting and enter with the actual takeoff weight increased by the CDL takeoff weight penalty of 80 lbs. 2. Determine all other speeds at actual operating weight.





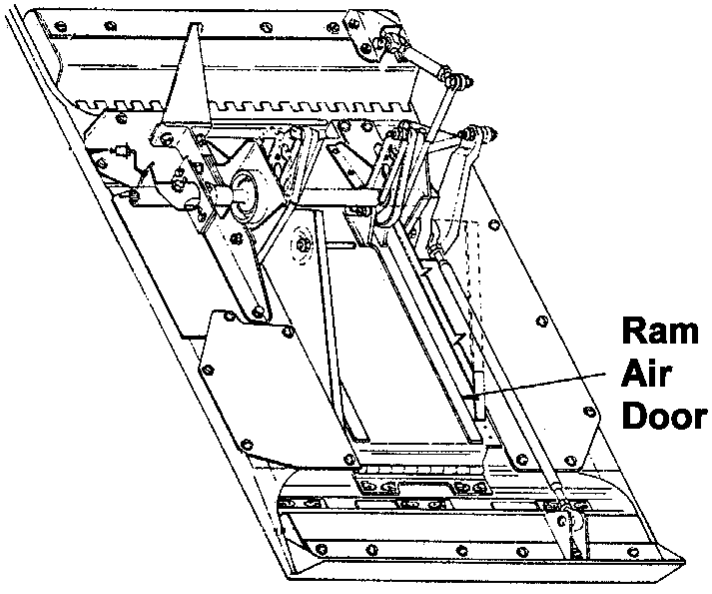
NUMBER INSTALLED			NUMBER REQUIRED FOR DISPATCH		
FLIGHT CREW MAY PLACARD			REPAIR CATEGORY		
ITEM NO. NAME / DESCRIPTION					**REMARKS OR EXCEPTIONS**
53-30-07 APU Ram Air Door **"DISP.APPR.REQ'D."**	**N**	1	0	**C**	**(O)** May be missing provided performance corrections are applied. NOTE 1: If APU is to be operated inflight, ensure APU generator load does not exceed the following limits: Loadmeter Reading At or below FL 250 0.6 Above FL 250 0.0 NOTE 2: If APU won't start, make additional logbook entry, "APU inoperative". Defer per MEL 49-10-01. NOTE 3: The APU cannot be windmill started in flight. AC power must be available for inflight starting. NOTE 4: This CDL item may **not** be applied in combination with any other CDL item in this chapter.

CDL ITEM	TAB LOCATION	PLACARD TEXT
53-30-07	N/A	APU Ram Air Door missing

Continued Next Page

(O) PROCEDURES

53-30-07	APU RAM AIR DOOR
EFFECTIVITY	**All**
FLIGHT PLANNING REQUIREMENTS	Reduce ENROUTE LIMIT WT by 100 lbs.
NOTES	Make a notation on the Flight Plan when Enroute Climb is limiting.
AWABS	Performance corrections have been applied.
TAKEOFF PERFORMANCE WORKSHEET	**TAKEOFF** 1. Reduce RATOW by 100 lbs. 2. Reduce T/O CLIMB LIMIT by 100 lbs. **LANDING** 1. Reduce RWY ALLOWABLE LANDING WT by 100 lbs. 2. Reduce LANDING CLIMB LIMIT WT by 100 lbs. **OTHER CORRECTIONS** 1. Determine V-Speeds from ODM Takeoff Section charts for applicable Thrust/Flap setting and enter with the actual takeoff weight increased by the CDL takeoff weight penalty of 100 lbs. 2. Determine all other speeds at actual operating weight.



View From Above Door

THERE ARE NO ATA 54 ITEMS IN THE MD-90 CONFIGURATION DEVIATION LIST

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ATA 55 Contents

55-20-01 Elevator Tab Hinge Cover Plates 55-2

ITEM NO.	NAME / DESCRIPTION	FLIGHT CREW MAY PLACARD	NUMBER INSTALLED	NUMBER REQUIRED FOR DISPATCH	REPAIR CATEGORY	REMARKS OR EXCEPTIONS
55-20-01	Elevator Tab Hinge Cover Plates **"DISP.APPR.REQ'D."**	**N**	44	0		**(O)** May be missing provided performance corrections are applied.

CDL ITEM	TAB LOCATION	PLACARD TEXT
55-20-01	N/A	___ Elevator Tab Hinge Cover Plate(s) missing

(O) PROCEDURES

55-20-01	**ELEVATOR TAB HINGE COVER PLATES**
EFFECTIVITY	**All**
FLIGHT PLANNING REQUIREMENTS	Reduce ENROUTE LIMIT WT by 200 lbs.
NOTES	Make a notation on the Flight Plan when Enroute Climb is limiting.
AWABS	Performance corrections have been applied.
TAKEOFF PERFORMANCE WORKSHEET	**TAKEOFF** 1. Reduce RATOW by 200 lbs. 2. Reduce T/O CLIMB LIMIT by 200 lbs. **LANDING** 1. Reduce RWY ALLOWABLE LANDING WT by 200 lbs. 2. Reduce LANDING CLIMB LIMIT WT by 200 lbs. **OTHER CORRECTIONS** 1. Determine V-Speeds from ODM Takeoff Section charts for applicable Thrust/Flap setting and enter with the actual takeoff weight increased by the CDL takeoff weight penalty of 200 lbs. 2. Determine all other speeds at actual operating weight.

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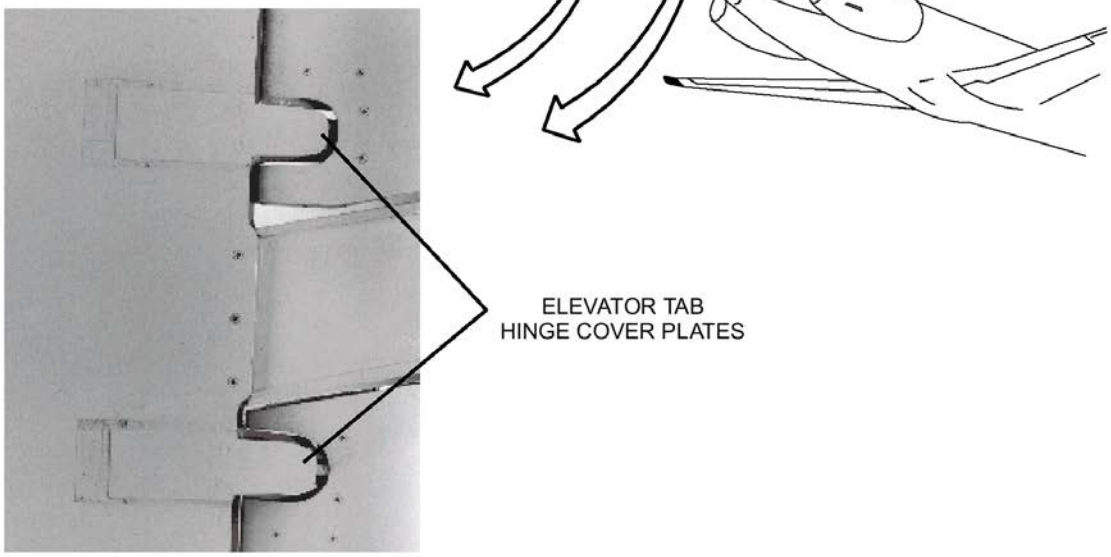
ELEVATOR TAB
HINGE COVER PLATES

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THERE ARE NO ATA 56 ITEMS IN THE MD-90 CONFIGURATION DEVIATION LIST

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ATA 57 Contents

57-30-01 Leading Edge Slat Track Cutout Doors 57-2
57-30-02 Small Lower Doors at Aileron Hinges 57-4
57-30-03 Slat Anti-Icing Duct Cutout Upper Doors 57-6
57-30-04 Lower Slat Track Cover Doors 57-8
57-30-05 Aileron Tab Hinge Cover Plates 57-10
57-30-06 Metal Slat Segment Seals (two piece) 57-11
57-30-07 Spanwise Slat Lower Trailing Edge Seal 57-13
57-50-01 Flap Hinge Fairings 57-15
57-50-02 Wing Flap Bent Up Trailing Edge (BUTE) Doors Aft Articulated Section 57-17
57-54-03 Spoiler Trailing Edge Extensions (TEEs) 57-19
57-54-04 Fixed Wing Trailing Edge Extensions (TEEs) 57-21
57-54-07 Spoiler Area Debris Deflectors 57-22
57-55-01 Leading Edge Slat Horn Seals 57-23

NUMBER INSTALLED			NUMBER REQUIRED FOR DISPATCH		
	FLIGHT CREW MAY PLACARD			REPAIR CATEGORY	
ITEM NO.	NAME / DESCRIPTION				REMARKS OR EXCEPTIONS
57-30-01	Leading Edge Slat Track Cutout Doors **"DISP.APPR.REQ'D."**	**N**	24	14	**(O)** Up to five (5) per side may be missing provided performance corrections are applied. NOTE: This CDL item **may** be applied in combination with CDL item(s): 57-30-03, 57-30-04, 57-30-05, 57-30-07, 57-50-01, 57-50-02.

CDL ITEM	TAB LOCATION	PLACARD TEXT
57-30-01	N/A	___ Leading Edge Slat Track Cutout Door(s) missing

(O) PROCEDURES

57-30-01	LEADING EDGE SLAT TRACK CUTOUT DOORS
EFFECTIVITY	**All**
FLIGHT PLANNING REQUIREMENTS	None
NOTES	None
AWABS	Performance corrections have been applied.
TAKEOFF PERFORMANCE WORKSHEET	**TAKEOFF** 1. Reduce RATOW by 550 lbs. for each missing door. 2. Reduce T/O CLIMB LIMIT by 550 lbs. for each missing door. **LANDING** 1. Reduce RWY ALLOWABLE LANDING WT by 450 lbs. for each missing door. 2. Reduce LANDING CLIMB LIMIT WT by 450 lbs. for each missing door. **OTHER CORRECTIONS** 1. Determine V-Speeds from ODM Takeoff Section charts for applicable Thrust/Flap setting and enter with the actual takeoff weight increased by the CDL takeoff weight penalty of 550 lbs. for each missing door. 2. Determine all other speeds at actual operating weight.

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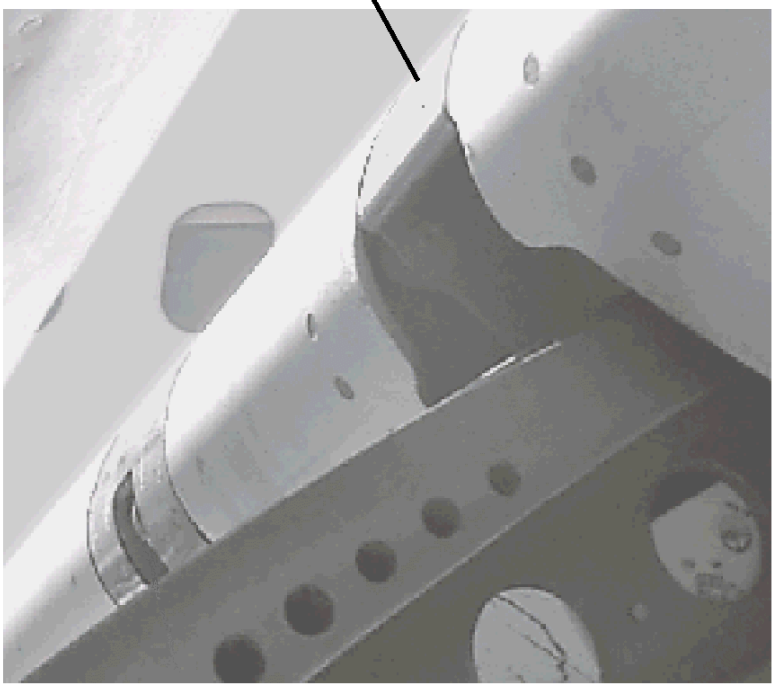
LEADING EDGE SLAT
TRACK CUTOUT DOORS
CDL 57-30-01



NUMBER INSTALLED			NUMBER REQUIRED FOR DISPATCH		
	FLIGHT CREW MAY PLACARD			REPAIR CATEGORY	
ITEM NO.	NAME / DESCRIPTION				REMARKS OR EXCEPTIONS
57-30-02	Small Lower Doors at Aileron Hinges **"DISP.APPR.REQ'D."**	**N**	6	0	**(O)** May be missing provided performance corrections are applied. NOTE: This CDL item may **not** be applied in combination with any other CDL item in this chapter.

CDL ITEM	TAB LOCATION	PLACARD TEXT
57-30-02	N/A	___ Small Lower Door(s) at Aileron Hinges missing

(O) PROCEDURES

57-30-02	**SMALL LOWER DOORS AT AILERON HINGES**
EFFECTIVITY	**All**
FLIGHT PLANNING REQUIREMENTS	Reduce ENROUTE LIMIT WT by 200 lbs.
NOTES	Make a notation on the Flight Plan when Enroute Climb is limiting.
AWABS	Performance corrections have been applied.
TAKEOFF PERFORMANCE WORKSHEET	**TAKEOFF** 1. Reduce RATOW by 200 lbs. 2. Reduce T/O CLIMB LIMIT by 200 lbs. **LANDING** 1. Reduce RWY ALLOWABLE LANDING WT by 200 lbs. 2. Reduce LANDING CLIMB LIMIT WT by 200 lbs. **OTHER CORRECTIONS** 1. Determine V-Speeds from ODM Takeoff Section charts for applicable Thrust/Flap setting and enter with the actual takeoff weight increased by the CDL takeoff weight penalty of 200 lbs. 2. Determine all other speeds at actual operating weight.

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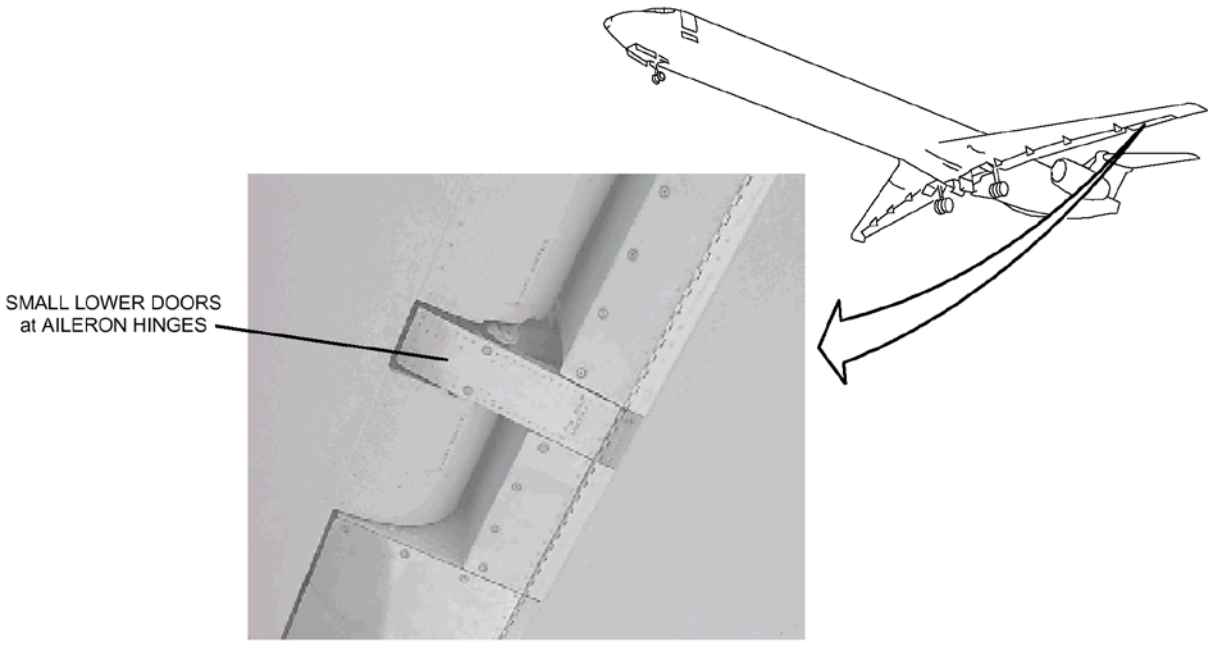
SMALL LOWER DOORS
at AILERON HINGES

NUMBER INSTALLED			NUMBER REQUIRED FOR DISPATCH		
	FLIGHT CREW MAY PLACARD			REPAIR CATEGORY	
ITEM NO.	NAME / DESCRIPTION				REMARKS OR EXCEPTIONS
57-30-03	Slat Anti-Icing Duct Cutout Upper Doors **"DISP.APPR.REQ'D."**	**N**	2	0	**(O)** May be missing provided performance corrections are applied. NOTE: This CDL item **may** be applied in combination with CDL item(s): 57-30-01, 57-30-04, 57-30-05, 57-30-07, 57-50-01, 57-50-02.

CDL ITEM	TAB LOCATION	PLACARD TEXT
57-30-03	N/A	___ Slat Anti-Icing Duct Cutout Upper Door(s) missing

(O) PROCEDURES

57-30-03	**SLAT ANTI-ICING DUCT CUTOUT UPPER DOORS**
EFFECTIVITY	**All**
FLIGHT PLANNING REQUIREMENTS	None
NOTES	None
AWABS	Performance corrections have been applied.
TAKEOFF PERFORMANCE WORKSHEET	**TAKEOFF** 1. Reduce RATOW by 2,550 lbs. for each missing door. 2. Reduce T/O CLIMB LIMIT by 2,550 lbs. for each missing door. **LANDING** 1. Reduce RWY ALLOWABLE LANDING WT by 2,150 lbs. for each missing door. 2. Reduce LANDING CLIMB LIMIT WT by 2,150 lbs. for each missing door. **OTHER CORRECTIONS** 1. Determine V-Speeds from ODM Takeoff Section charts for applicable Thrust/Flap setting and enter with the actual takeoff weight increased by the CDL takeoff weight penalty of 2,550 lbs. for each missing door. 2. Determine all other speeds at actual operating weight.

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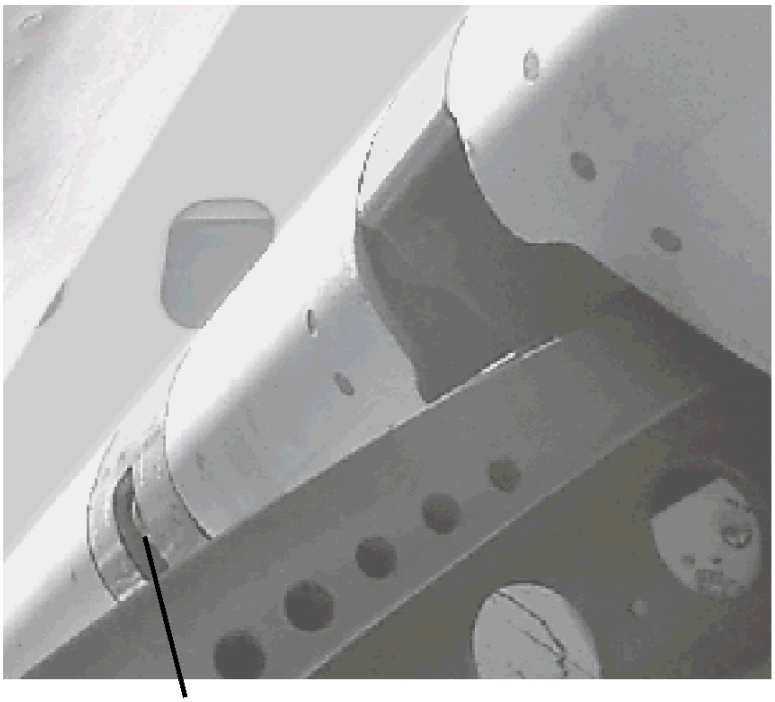

SLAT ANTI-ICING
CUTOUT DOORS
CDL 57-30-03

NUMBER INSTALLED			NUMBER REQUIRED FOR DISPATCH		
	FLIGHT CREW MAY PLACARD			REPAIR CATEGORY	
ITEM NO.	NAME / DESCRIPTION				REMARKS OR EXCEPTIONS
57-30-04	Lower Slat Track Cover Doors **"DISP.APPR.REQ'D."**	**N**	30	20	**(O)** Up to five (5) per side may be missing provided performance corrections are applied. NOTE: This CDL item **may** be applied in combination with CDL item(s): 57-30-01, 57-30-03, 57-30-05, 57-30-07, 57-50-01, 57-50-02.

CDL ITEM	TAB LOCATION	PLACARD TEXT
57-30-04	N/A	___ Lower Slat Track Cover Door(s) missing

(O) PROCEDURES

57-30-04	**LOWER SLAT TRACK COVER DOORS**
EFFECTIVITY	**All**
FLIGHT PLANNING REQUIREMENTS	Reduce ENROUTE LIMIT WT by 400 lbs. for each missing door.
NOTES	Make a notation on the Flight Plan when Enroute Climb is limiting.
AWABS	Performance corrections have been applied.
TAKEOFF PERFORMANCE WORKSHEET	**TAKEOFF** 1. Reduce RATOW by 400 lbs. for each missing door. 2. Reduce T/O CLIMB LIMIT by 400 lbs. for each missing door. **LANDING** None **OTHER CORRECTIONS** 1. Determine V-Speeds from ODM Takeoff Section charts for applicable Thrust/Flap setting and enter with the actual takeoff weight increased by the CDL takeoff weight penalty of 400 lbs. for each missing door. 2. Determine all other speeds at actual operating weight.

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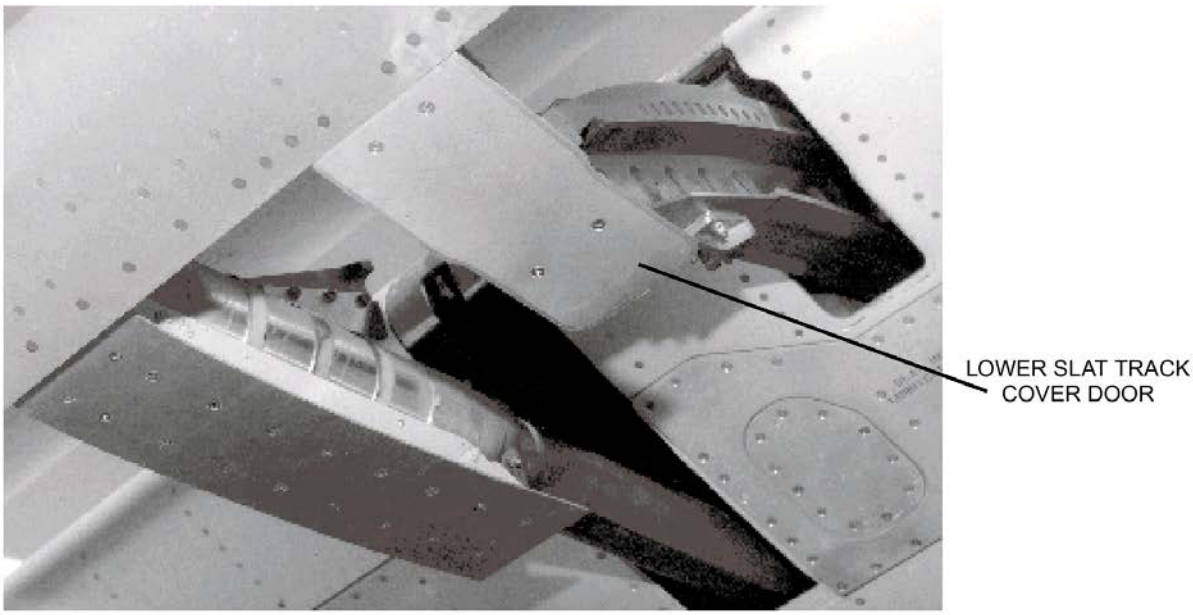
LOWER SLAT TRACK
COVER DOOR

NUMBER INSTALLED			NUMBER REQUIRED FOR DISPATCH		
	FLIGHT CREW MAY PLACARD			REPAIR CATEGORY	
ITEM NO. NAME / DESCRIPTION					REMARKS OR EXCEPTIONS
57-30-05 Aileron Tab Hinge Cover Plates **"DISP.APPR.REQ'D."**	**N**	20	0		**(O)** May be missing provided performance corrections are applied. NOTE: This CDL item **may** be applied in combination with CDL item(s): 57-30-01, 57-30-03, 57-30-04, 57-30-07, 57-50-01, 57-50-02.

CDL ITEM	TAB LOCATION	PLACARD TEXT
57-30-05	N/A	___ Aileron Tab Hinge Cover Plate(s) missing

(O) PROCEDURES

57-30-05	**AILERON TAB HINGE COVER PLATES**
EFFECTIVITY	**All**
FLIGHT PLANNING REQUIREMENTS	Reduce ENROUTE LIMIT WT by 200 lbs.
NOTES	Make a notation on the Flight Plan when Enroute Climb is limiting.
AWABS	Performance corrections have been applied.
TAKEOFF PERFORMANCE WORKSHEET	**TAKEOFF** 1. Reduce RATOW by 200 lbs. 2. Reduce T/O CLIMB LIMIT by 200 lbs. **LANDING** 1. Reduce RWY ALLOWABLE LANDING WT by 200 lbs. 2. Reduce LANDING CLIMB LIMIT WT by 200 lbs. **OTHER CORRECTIONS** 1. Determine V-Speeds from ODM Takeoff Section charts for applicable Thrust/Flap setting and enter with the actual takeoff weight increased by the CDL takeoff weight penalty of 200 lbs. 2. Determine all other speeds at actual operating weight.

NUMBER INSTALLED			NUMBER REQUIRED FOR DISPATCH		
FLIGHT CREW MAY PLACARD			REPAIR CATEGORY		
ITEM NO.	NAME / DESCRIPTION				REMARKS OR EXCEPTIONS
57-30-06	Metal Slat Segment Seals (two piece) **"DISP.APPR.REQ'D."**	**N**	10	-	**(O)** Upper and / or lower leading edge seal pieces may be missing at only one location on each wing provided: a) 40° Flaps for landing is not permitted, b) Landing speeds are calculated using actual weight plus landing weight penalty, and c) Performance corrections are applied. Slats are numbered from 0 to 5 starting with the most inboard slat. Slat seals are attached to the outboard end of each slat except number 5. NOTE: This CDL item may **not** be applied in combination with any other CDL item in this chapter.

CDL ITEM	TAB LOCATION	PLACARD TEXT
57-30-06	N/A	___ Metal Slat Segment Seal(s) missing

(O) PROCEDURES

40° Flaps is not permitted for landing.

57-30-06	METAL SLAT SEGMENT SEALS (TWO PIECE)
EFFECTIVITY	**All**
FLIGHT PLANNING REQUIREMENTS	Reduce ENROUTE LIMIT WT by 400 lbs.
NOTES	Make a notation on the Flight Plan when Enroute Climb is limiting.
AWABS	1. Performance weight corrections have been applied. 2. Determine landing speeds from ODM Approach/Landing Section charts at actual operating weight increased by the CDL landing weight penalty of 3,220 lbs.
TAKEOFF PERFORMANCE WORKSHEET	**TAKEOFF** 1. Reduce RATOW by 340 lbs. 2. Reduce T/O CLIMB LIMIT by 340 lbs. **LANDING** 1. Reduce RWY ALLOWABLE LANDING WT by 3,220 lbs. 2. Reduce LANDING CLIMB LIMIT WT by 3,220 lbs. **OTHER CORRECTIONS** 1. Determine V-Speeds from ODM Takeoff Section charts for applicable Thrust/Flap setting and enter with the actual takeoff weight increased by the CDL takeoff weight penalty of 340 lbs. 2. Determine landing speeds from ODM Approach/Landing Section charts at actual operating weight increased by the CDL landing weight penalty of 3,220 lbs. 3. Determine all other speeds at actual operating weight.

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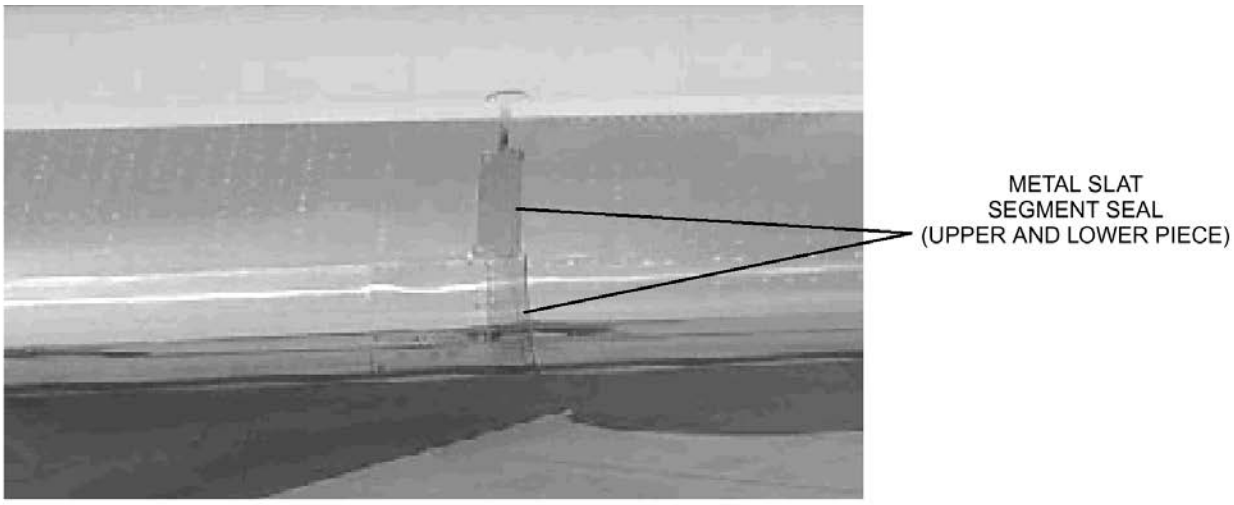
METAL SLAT
SEGMENT SEAL
(UPPER AND LOWER PIECE)

ITEM NO.	NAME / DESCRIPTION	NUMBER INSTALLED	NUMBER REQUIRED FOR DISPATCH	FLIGHT CREW MAY PLACARD	REPAIR CATEGORY	REMARKS OR EXCEPTIONS
57-30-07	Spanwise Slat Lower Trailing Edge Seal **"DISP.APPR.REQ'D."**	54	0	**N**		**(O)(M)** The entire seal or any part of this seal may be missing on either or both wings provided performance corrections are applied. NOTE: This CDL item **may** be applied in combination with CDL item(s): 57-30-01, 57-30-03, 57-30-04, 57-30-05, 57-50-01, 57-50-02.

CDL ITEM	TAB LOCATION	PLACARD TEXT
57-30-07	N/A	___ Spanwise Slat Lower Trailing Edge Seal(s) missing

(O) PROCEDURES

57-30-07	SPANWISE SLAT LOWER TRAILING EDGE SEAL
EFFECTIVITY	**All**
FLIGHT PLANNING REQUIREMENTS	When operations are conducted with 6 or less feet of missing seal: No reduction is necessary. When operations are conducted with 7 or more feet of missing seal: Reduce ENROUTE LIMIT WT by 35 lbs. for each foot of missing seal in excess of the first 6 feet.
NOTES	Make a notation on the Flight Plan when Enroute Climb is limiting.
AWABS	Performance corrections have been applied.
TAKEOFF PERFORMANCE WORKSHEET	**TAKEOFF – 6 or less feet of missing seal** No reduction is necessary. **TAKEOFF – 7 or more feet of missing seal** 1. Reduce RATOW by 35 lbs. for each foot of missing seal in excess of the first 6 feet. 2. Reduce T/O CLIMB LIMIT by 35 lbs. for each foot of missing seal in excess of the first 6 feet. **LANDING** None **OTHER CORRECTIONS** 1. Determine V-Speeds from ODM Takeoff Section charts for applicable Thrust/Flap setting and enter with the actual takeoff weight increased by the CDL takeoff weight penalty of 35 lbs. for each foot of missing seal in excess of 6 feet. 2. Determine all other speeds at actual operating weight.

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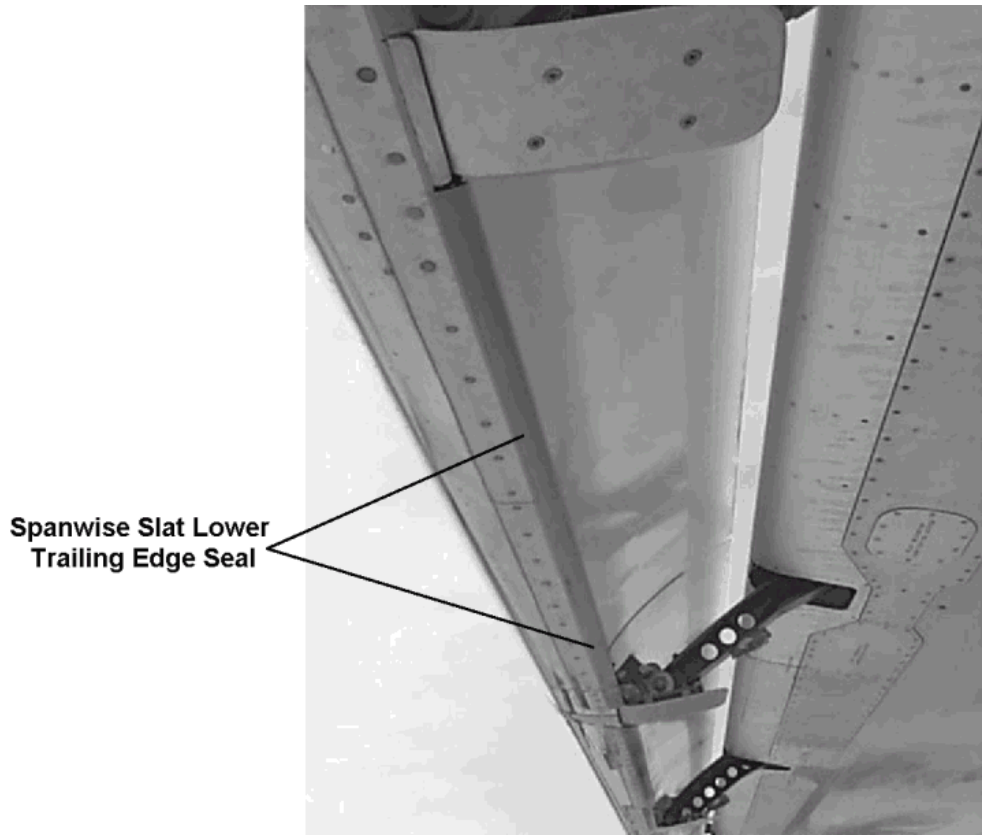
(M) PROCEDURES

Determine length of missing seal and record in aircraft logbook.



NUMBER INSTALLED			NUMBER REQUIRED FOR DISPATCH		
	FLIGHT CREW MAY PLACARD			REPAIR CATEGORY	
ITEM NO. NAME / DESCRIPTION					REMARKS OR EXCEPTIONS
57-50-01 Flap Hinge Fairings **"DISP.APPR.REQ'D."**	**N**	12	10		**(O)** One or both fairings may be missing from a total of one (1) hinge provided performance corrections are applied. If the forward fairing is missing, the aft fairing on the same hinge must be removed. NOTE: This CDL item **may** be applied in combination with CDL item(s): 57-30-01, 57-30-03, 57-30-04, 57-30-05, 57-30-07, 57-50-02.

CDL ITEM	TAB LOCATION	PLACARD TEXT
57-50-01	N/A	___ Flap Hinge Fairing(s) missing

(O) PROCEDURES

57-50-01	**FLAP HINGE FAIRINGS**
EFFECTIVITY	**All**
FLIGHT PLANNING REQUIREMENTS	Reduce ENROUTE LIMIT WT by 3,550 lbs.
NOTES	Make a notation on the Flight Plan when Enroute Climb is limiting.
AWABS	Performance corrections have been applied.
TAKEOFF PERFORMANCE WORKSHEET	**TAKEOFF** 1. Reduce RATOW by 2,950 lbs. 2. Reduce T/O CLIMB LIMIT by 2,950 lbs. **LANDING** 1. Reduce RWY ALLOWABLE LANDING WT by 1,600 lbs. 2. Reduce LANDING CLIMB LIMIT WT by 1,600 lbs. **OTHER CORRECTIONS** 1. Determine V-Speeds from ODM Takeoff Section charts for applicable Thrust/Flap setting and enter with the actual takeoff weight increased by the CDL takeoff weight penalty of 2,950 lbs. 2. Determine all other speeds at actual operating weight.

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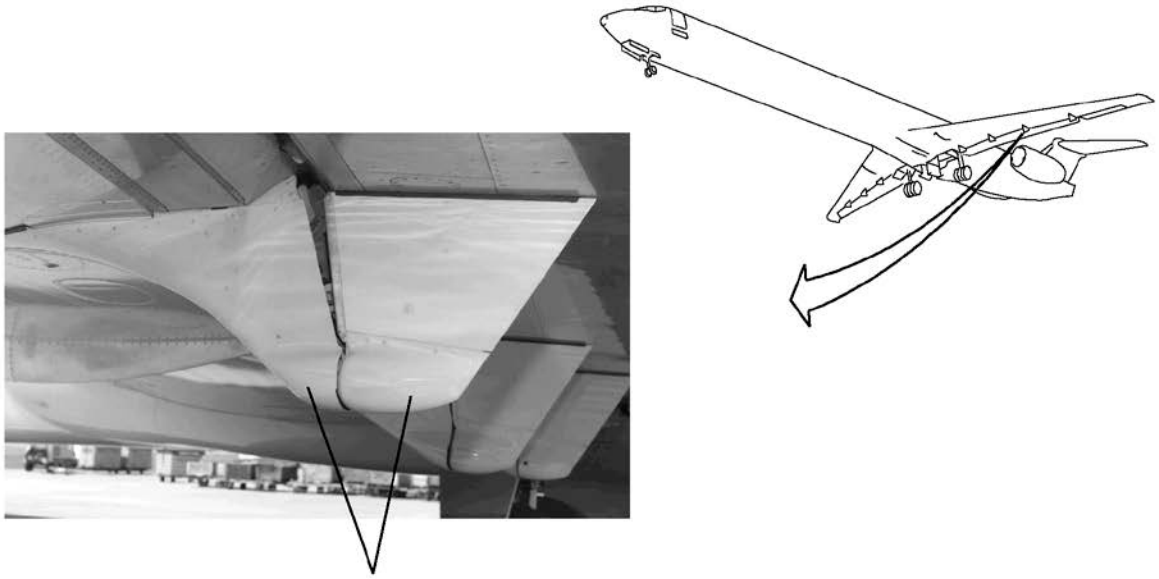

FLAP HINGE FAIRING
CDL 57-50-01

ITEM NO.	NAME / DESCRIPTION	NUMBER INSTALLED FLIGHT CREW MAY PLACARD		NUMBER REQUIRED FOR DISPATCH REPAIR CATEGORY		REMARKS OR EXCEPTIONS
57-50-02	Wing Flap Bent Up Trailing Edge (BUTE) Doors Aft Articulated Section **"DISP.APPR.REQ'D."**	**N**	10	0		**(O)** May be missing provided performance corrections are applied. NOTE: This CDL item **may** be applied in combination with CDL item(s): 57-30-01, 57-30-03, 57-30-04, 57-30-05, 57-30-07, 57-50-01.

CDL ITEM	TAB LOCATION	PLACARD TEXT
57-50-02	N/A	___ Wing Flap Bent Up Trailing Edge Door(s) missing

(O) PROCEDURES

57-50-02	WING FLAP BENT UP TRAILING EDGE (BUTE) DOORS AFT ARTICULATED SECTION
EFFECTIVITY	**All**
FLIGHT PLANNING REQUIREMENTS	Reduce ENROUTE LIMIT WT by 1,450 lbs. for each missing door.
NOTES	Make a notation on the Flight Plan when Enroute Climb is limiting.
AWABS	Performance corrections have been applied.
TAKEOFF PERFORMANCE WORKSHEET	**TAKEOFF** 1. Reduce RATOW by 1,300 lbs. for each missing door. 2. Reduce T/O CLIMB LIMIT by 1,300 lbs. for each missing door. **LANDING** None **OTHER CORRECTIONS** 1. Determine V-Speeds from ODM Takeoff Section charts for applicable Thrust/Flap setting and enter with the actual takeoff weight increased by the CDL takeoff weight penalty of 1,300 lbs. for each missing door. 2. Determine all other speeds at actual operating weight.

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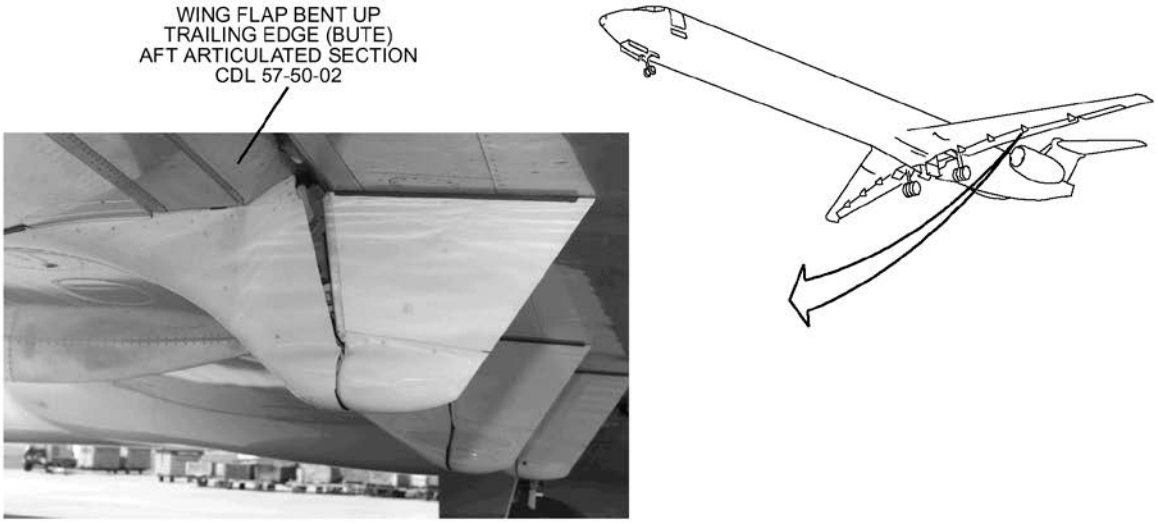
WING FLAP BENT UP
TRAILING EDGE (BUTE)
AFT ARTICULATED SECTION
CDL 57-50-02

ITEM NO.	NAME / DESCRIPTION	NUMBER INSTALLED	NUMBER REQUIRED FOR DISPATCH		REMARKS OR EXCEPTIONS
		FLIGHT CREW MAY PLACARD		REPAIR CATEGORY	
57-54-03	Spoiler Trailing Edge Extensions (TEEs) **"DISP.APPR.REQ'D."**	**N**	6	0	**(O)** May be missing provided performance corrections are applied. NOTE: This CDL item may **not** be applied in combination with any other CDL item in this chapter.

CDL ITEM	TAB LOCATION	PLACARD TEXT
57-54-03	N/A	___ Spoiler Trailing Edge Extension(s) missing

(O) PROCEDURES

57-54-03	**SPOILER TRAILING EDGE EXTENSIONS (TEES)**
EFFECTIVITY	**All**
FLIGHT PLANNING REQUIREMENTS	Reduce ENROUTE LIMIT WT by 150 lbs. for each missing panel.
NOTES	Make a notation on the Flight Plan when Enroute Climb is limiting.
AWABS	Performance corrections have been applied.
TAKEOFF PERFORMANCE WORKSHEET	**TAKEOFF** 1. Reduce RATOW by 130 lbs. for each missing panel. 2. Reduce T/O CLIMB LIMIT by 130 lbs. for each missing panel. **LANDING** 1. Reduce RWY ALLOWABLE LANDING WT by 70 lbs. for each missing panel. 2. Reduce LANDING CLIMB LIMIT WT by 70 lbs. for each missing panel. **OTHER CORRECTIONS** 1. Determine V-Speeds from ODM Takeoff Section charts for applicable Thrust/Flap setting and enter with the actual takeoff weight increased by the CDL takeoff weight penalty of 130 lbs. for each missing panel. 2. Determine all other speeds at actual operating weight.

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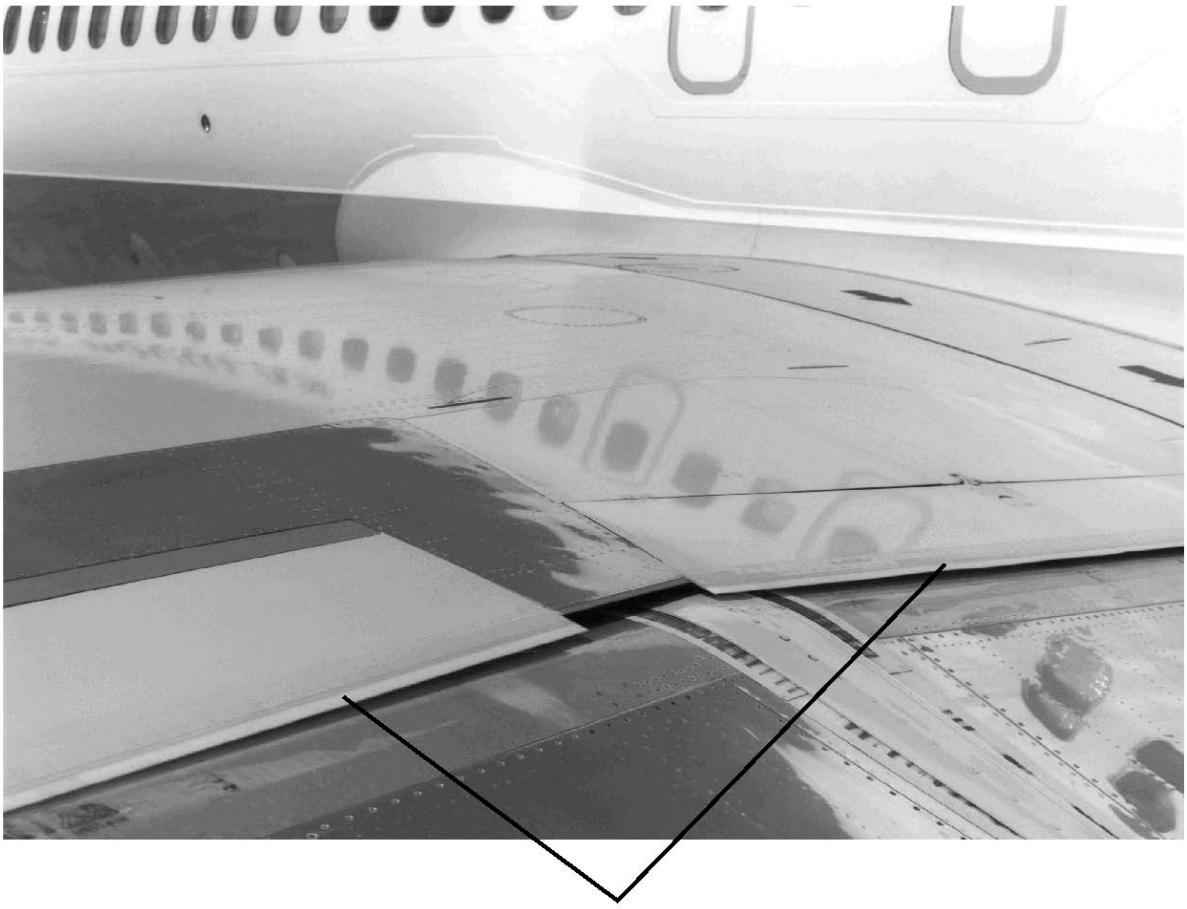


SPOILER TRAILING EDGE
EXTENSIONS (TEE's)

NUMBER INSTALLED			NUMBER REQUIRED FOR DISPATCH		
	FLIGHT CREW MAY PLACARD			REPAIR CATEGORY	
ITEM NO.	NAME / DESCRIPTION				REMARKS OR EXCEPTIONS
57-54-04	Fixed Wing Trailing Edge Extensions (TEEs) **"DISP.APPR.REQ'D."**	**N**	2	0	**(O)** May be missing provided performance corrections are applied. NOTE: This CDL item may **not** be applied in combination with any other CDL item in this chapter.

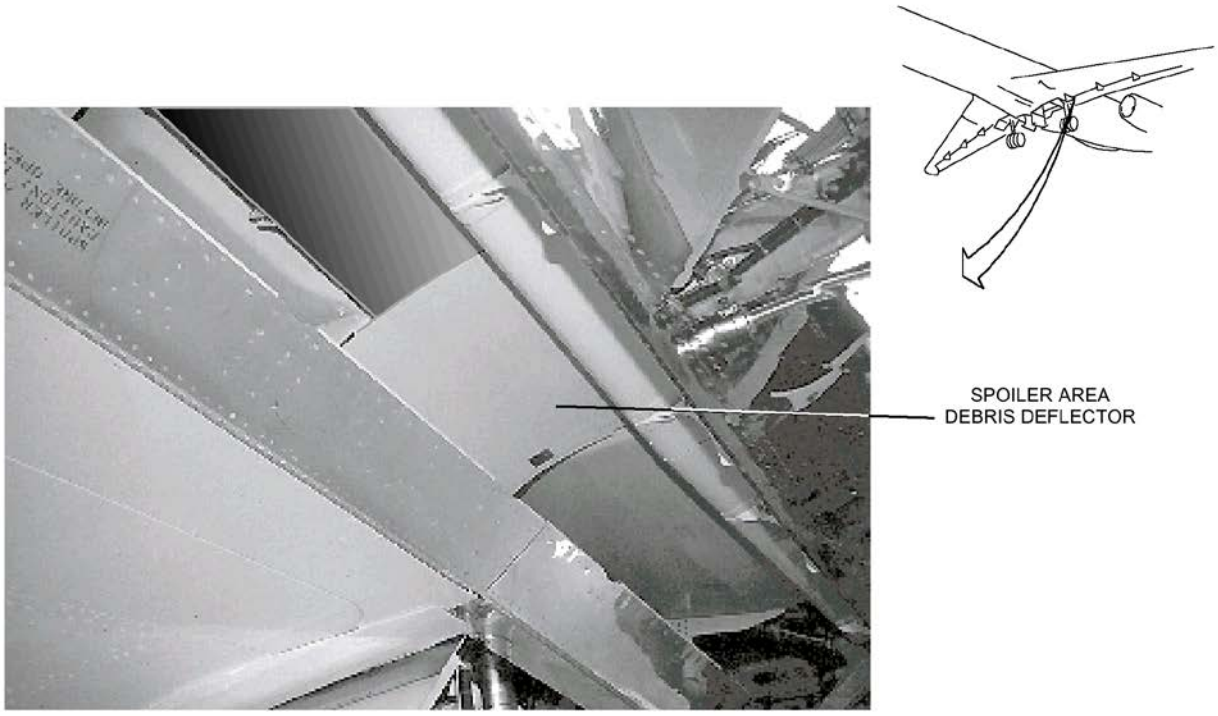
CDL ITEM	TAB LOCATION	PLACARD TEXT
57-54-04	N/A	___ Fixed Wing Trailing Edge Extension(s) missing

(O) PROCEDURES

57-54-04	FIXED WING TRAILING EDGE EXTENSIONS (TEES)
EFFECTIVITY	**All**
FLIGHT PLANNING REQUIREMENTS	Reduce ENROUTE LIMIT WT by 100 lbs. for each missing extension.
NOTES	Make a notation on the Flight Plan when Enroute Climb is limiting.
AWABS	Performance corrections have been applied.
TAKEOFF PERFORMANCE WORKSHEET	**TAKEOFF** 1. Reduce RATOW by 100 lbs. for each missing extension. 2. Reduce T/O CLIMB LIMIT by 100 lbs. for each missing extension. **LANDING** 1. Reduce RWY ALLOWABLE LANDING WT by 100 lbs. for each missing extension. 2. Reduce LANDING CLIMB LIMIT WT by 100 lbs. for each missing extension. **OTHER CORRECTIONS** 1. Determine V-Speeds from ODM Takeoff Section charts for applicable Thrust/Flap setting and enter with the actual takeoff weight increased by the CDL takeoff weight penalty of 100 lbs. for each missing extension. 2. Determine all other speeds at actual operating weight.

NUMBER INSTALLED			NUMBER REQUIRED FOR DISPATCH		
	FLIGHT CREW MAY PLACARD			REPAIR CATEGORY	
ITEM NO.	NAME / DESCRIPTION				REMARKS OR EXCEPTIONS
57-54-07	Spoiler Area Debris Deflectors **"DISP.APPR.REQ'D."**	**N**	2	0	NOTE: This CDL item may **not** be applied in combination with any other CDL item in this chapter.

CDL ITEM	TAB LOCATION	PLACARD TEXT
57-54-07	N/A	___ Spoiler Area Debris Deflector(s) missing



NUMBER INSTALLED			NUMBER REQUIRED FOR DISPATCH		
	FLIGHT CREW MAY PLACARD			REPAIR CATEGORY	
ITEM NO. NAME / DESCRIPTION					REMARKS OR EXCEPTIONS
57-55-01 Leading Edge Slat Horn Seals **"DISP.APPR.REQ'D."**	**N**	2	0		**(O)** May be missing provided performance corrections are applied. NOTE: This CDL item may **not** be applied in combination with any other CDL item in this chapter.

CDL ITEM	TAB LOCATION	PLACARD TEXT
57-55-01	N/A	___ Leading Edge Slat Horn Seal(s) missing

(O) PROCEDURES

57-55-01	**LEADING EDGE SLAT HORN SEALS**
EFFECTIVITY	**All**
FLIGHT PLANNING REQUIREMENTS	Reduce ENROUTE LIMIT WT by 800 lbs. for each missing seal.
NOTES	Make a notation on the Flight Plan when Enroute Climb is limiting.
AWABS	Performance corrections have been applied.
TAKEOFF PERFORMANCE WORKSHEET	**TAKEOFF** 1. Reduce RATOW by 700 lbs. for each missing seal. 2. Reduce T/O CLIMB LIMIT by 700 lbs. for each missing seal. **LANDING** 1. Reduce RWY ALLOWABLE LANDING WT by 500 lbs. for each missing seal. 2. Reduce LANDING CLIMB LIMIT WT by 500 lbs. for each missing seal. **OTHER CORRECTIONS** 1. Determine V-Speeds from ODM Takeoff Section charts for applicable Thrust/Flap setting and enter with the actual takeoff weight increased by the CDL takeoff weight penalty of 700 lbs. for each missing seal. 2. Determine all other speeds at actual operating weight.

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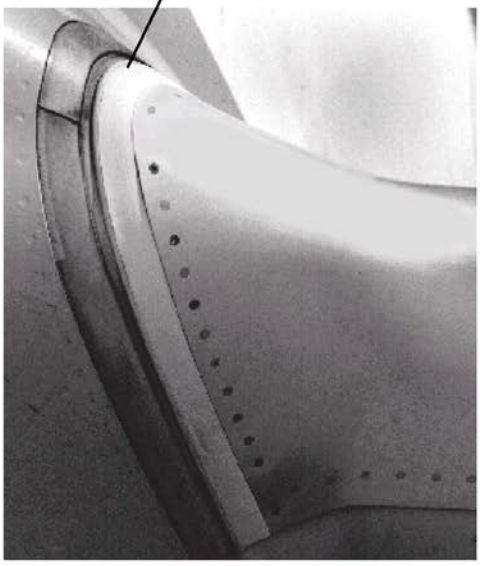
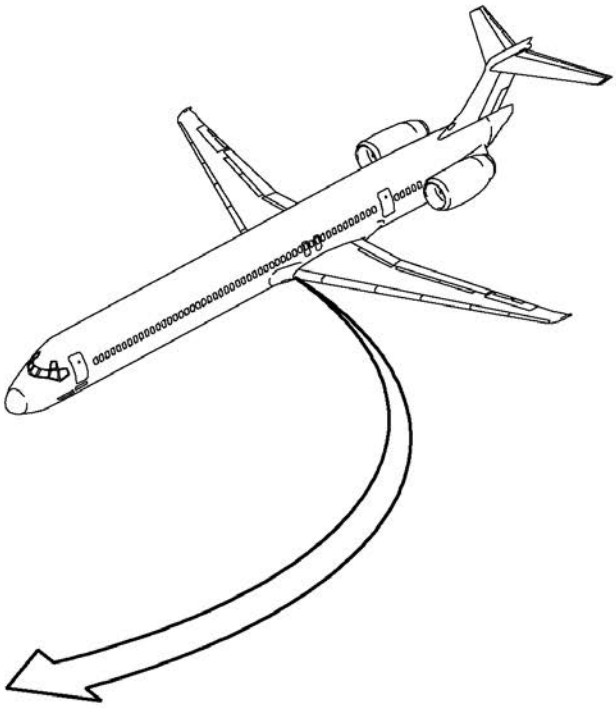

LEADING EDGE
SLAT HORN SEAL
CDL 57-55-01



THERE ARE NO ATA 71 ITEMS IN THE MD-90 CONFIGURATION DEVIATION LIST

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THERE ARE NO ATA 72 ITEMS IN THE MD-90 CONFIGURATION DEVIATION LIST

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ATA 78 Contents

78-30-01 Thrust Reverser Hydraulic Access Doors 78-2

NUMBER INSTALLED				NUMBER REQUIRED FOR DISPATCH		
		FLIGHT CREW MAY PLACARD			REPAIR CATEGORY	
ITEM NO.	NAME / DESCRIPTION					REMARKS OR EXCEPTIONS
78-30-01	Thrust Reverser Hydraulic Access Doors **"DISP.APPR.REQ'D."**	**N**	2	0		**(O)(M)** May be missing provided performance corrections are applied.

CDL ITEM	TAB LOCATION	PLACARD TEXT
78-30-01	N/A	___ Thrust Reverser Hydraulic Access Door(s) missing

(O) PROCEDURES

78-30-01	**THRUST REVERSER HYDRAULIC ACCESS DOORS**
EFFECTIVITY	**All**
FLIGHT PLANNING REQUIREMENTS	Reduce ENROUTE LIMIT WT by 100 lbs. for each missing door.
NOTES	Make a notation on the Flight Plan when Enroute Climb is limiting.
AWABS	Performance corrections have been applied.
TAKEOFF PERFORMANCE WORKSHEET	**TAKEOFF** 1. Reduce RATOW by 100 lbs. for each missing door. 2. Reduce T/O CLIMB LIMIT by 100 lbs. for each missing door. **LANDING** 1. Reduce RWY ALLOWABLE LANDING WT by 100 lbs. for each missing door. 2. Reduce LANDING CLIMB LIMIT WT by 100 lbs. for each missing door. **OTHER CORRECTIONS** 1. Determine V-Speeds from ODM Takeoff Section charts for applicable Thrust/Flap setting and enter with the actual takeoff weight increased by the CDL takeoff weight penalty of 100 lbs. for each missing door. 2. Determine all other speeds at actual operating weight.

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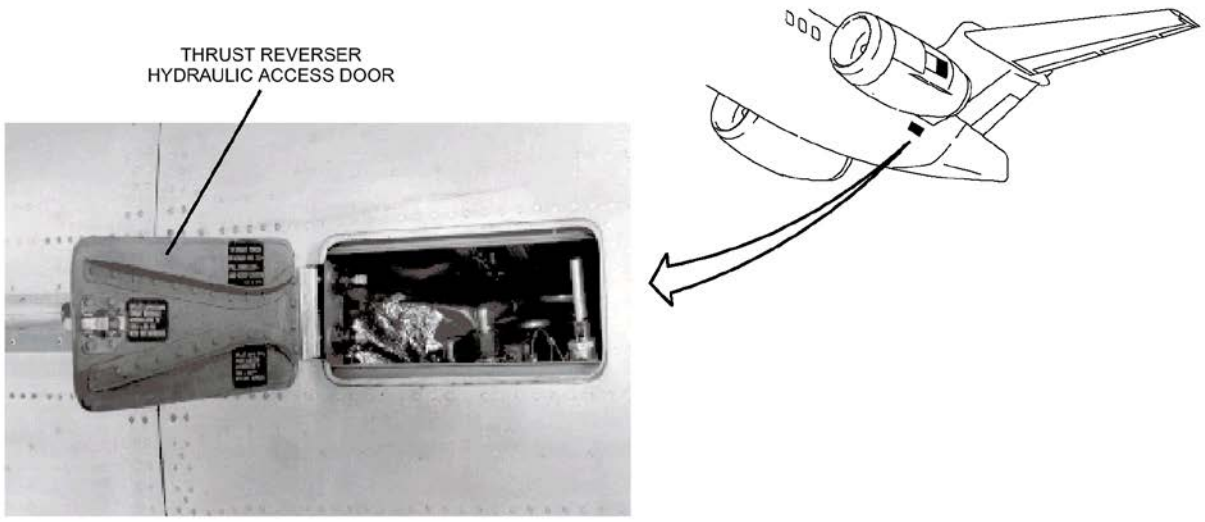
(M) PROCEDURES

If associated Reverser is to remain active, secure Reverser Lockout Lever in the Unlocked position.

-or-

If associated Reverser is to be deactivated, insert lockout pin into Reverser Lockout Lever and lockwire pin into place.



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