

**DC-10****SERVICE BULLETIN**

REVISION TRANSMITTAL SHEET

Bulletin 52-38
DC-10 SC 858/1003

DOORS - Cargo - Replace Cargo Door Latch Access Covers.

This page transmits Revision 2 for DC-10 Service Bulletin 52-38 to incorporate the following changes:

NOTE: Discard only those pages of previously issued bulletin which are affected by this revision and replace with attached pages.

Reason for Revision: To delete five aircraft from Service Bulletin Effectivity which will have this modification incorporated prior to delivery. No additional work is required by this revision.

Pages 1 Deleted Series 20 aircraft from Aircraft Affected.
and 2: Added Series 40 aircraft to Aircraft Affected.
Deleted operator AZ and Factory Serial Number 47861 (No. 75) from Service Bulletin Effectivity.

Revised Service Bulletin Effectivity as follows:

<u>Operator</u>	<u>Deleted</u>
AA	46525 (No. 72)
DL	47968 (No. 74)
KL	46552 (No. 71)
SR	46576 (No. 73)

Revised kit quantities accordingly.

Disposition of surplus kits: DAC does not require return of CZZ0858-505 kits. Disposition of kits is at operator's option.

Pages 3 Revised Approval paragraph.
and 4: Revised NOTE under Manpower paragraph.

Revision Sequence

Original Date	August 4/72
Revision 1	October 11/72
Revision 2	March 15/73

HAD
RHS

August 4/72

Revision 2 March 15/73

Bulletin 52-38



3855 Lakewood Boulevard
Long Beach, California 90801

DC-10

SERVICE BULLETIN

BULLETIN 52-38
DC-10 SC 858/1003

DOORS - Cargo - Replace Cargo Door Latch Access Covers.

NOTE

This Service Bulletin must be accomplished in conjunction with DC-10 Service Bulletin 52-37 for reidentification of cargo door assemblies. Only aircraft listed in Service Bulletin 52-37 are affected by this contingency.

1. Planning Information:

A. Effectivity:

(1) Aircraft Affected:

Model DC-10, Series 10, 30, and 40

Operator	Factory Serial No.	*Mfr's Fuselage No.	Qty of Kits CZZ0858			
			-501	-503	-505	-571
AA	46500	1				3
	46523 and 46524	58 and 65				
	46502 thru 46522	3, 5, 7, 9, 12, 13, 20 thru 24, 30, 31, 37, 48, 49, 51, 52, and 54 thru 56	21			21
CO	46900 thru 46904	34, 40, 41, 43, and 44		5		5
DL	47965 thru 47967	59, 64, and 67				3
KL	46551	60				1
LT	46905 and 46906	47 and 50				2

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Operator	Factory Serial No.	*Mfr's Fuselage No.	Qty of Kits CZZ0858			
			-501	-503	-505	-571
NA	46700 thru 46703	14, 16, 18, and 19	5			5
	46706	38				
	46707 thru 46710	61, 62, 68, and 70				4
NW	46752 and 46753	53 and 66				2
SR	46575	57				1
TE	47846	69				1
TK	<u>46704</u> and 46705	29 and 33	2			2
UA	46600 thru 46614	4, 6, 8, 10, 11, 15, 17, 25 thru 27, 32, 35, 39, 42, and 45	15			15
UT	46850	63				1

Affected aircraft other than those listed above will be modified prior to delivery or included in a subsequent revision to this Service Bulletin.

*Manufacturer's fuselage numbers are applicable to affected aircraft at time of Service Bulletin issue and are for reference only.

(2) Spares Affected:

None.

B. Reason:

The affected operators have reported 130 flight delays due to the inability to electrically latch the cargo doors. If the door fails to latch electrically, an access door must be removed to latch the door manually. Installation of a new cover plate assembly incorporating a latch tool opening will delete the requirement to remove the access door.

C. Description:

CZZ0858-501 and -503 Kits

This modification replaces the cargo door latch access covers on the forward, center, and aft cargo doors.



CZZ0858-505 Kit

This modification replaces a seal in the cargo door latch access cover on the forward, center, and aft cargo doors.

CZZ0858-571 Kit

This modification replaces a seal in the cargo door latch access cover and installs a placard on the forward, center, and aft cargo door.

D. Compliance:

Recommended.

E. Approval:

This Service Bulletin is FAA approved.

F. Manpower:

This modification may be accomplished in the following approximate man-hours or elapsed hours per aircraft.

<u>Work Phases</u>	<u>Man-Hours</u>		
	<u>Kit CZZ0858</u> <u>-501 or -503</u>	<u>-505</u>	<u>-571</u>
Removal	.6	.6	
Modify (Bench)		.5	.5
Install	<u>2.4</u>	<u>.6</u>	
Total Man-Hours	3.0	1.7	.5
Total Elapsed Hours	1.0	1.7	.5

NOTE: This Service Bulletin assumes that the aircraft/unit has been placed in a maintenance status. The man-hour/elapsed time estimates do not include:

1. Preparation for the modification: Examples; defueling, purging, placing work stands, opening standard access doors, obtaining tools, and jacking when jacking is not essential to the modification.
2. Nonproductive elapsed time: Examples; sealant or adhesive cure time, cleaning, paint drying time, lunch and/or rest periods, and quality assurance inspections.
3. Administrative functions: Examples; planning, engineering liaison, parts requisition, shift change coordination, and report writing.



Operators should take the above into consideration when scheduling this modification.

G. Material - Cost and Availability:

(1) Aircraft:

Operators with aircraft listed under paragraph 1.A.(1) should submit a "no charge" purchase order for service change kits in the quantities shown.

The purchase order must specify this Service Bulletin number and only parts listed herein.

Operators will be advised of delivery schedule upon receipt of purchase order. Direct purchase order to:

Douglas Aircraft Company
P.O. Box 1771
Long Beach, California 90801
Attn: Manager, Warranty 7-21

A "no charge" purchase order for kits under the provisions of this bulletin must be received not later than 90 days after the issue date noted on page 1. Any purchase order received after the 90-day period will be processed on a charge basis.

(2) Spares:

Not applicable.

H. Tooling - Price and Availability:

None.

I. Weight and Balance:

None.

J. References:

(1) This Service Bulletin must be accomplished in conjunction with DC-10 Service Bulletin 52-37 for reidentification of cargo door assemblies. Only aircraft listed in Service Bulletin 52-37 are affected by this contingency.

(2) Data used in preparation of this Service Bulletin:

<u>Data Identification</u>	<u>Change</u>	<u>Type of Data</u>
ADA7800	New	Rework Drawing
ADA7800	B	Advance E.O.
ADA7809	New	Rework Drawing



<u>Data Identification</u>	<u>Change</u>	<u>Type of Data</u>
ADA7809 MM Chapter 6	A	Advance E.O. Maintenance Manual

K. Publications Affected:

The modification outlined in this Service Bulletin affects the following DAC DC-10 aircraft publications.

<u>Publication</u>	<u>Chapter and/or Section</u>
Illustrated Parts Catalog Maintenance Manual	52-31 and 52-33 52-30

2. Accomplishment Instructions:

CAUTION: STATICALLY GROUND THE AIRCRAFT.

CZZ0858-501 and -571 or -503 and -571 Kits

A. Remove the following access doors. Retain NAS4903 screws. (See Maintenance Manual, Chapter 6-38-01.)

<u>Access Door</u>	<u>Part No.</u>	<u>Applicable Cargo Door</u>
812AR	ADA3807-5 or NDA6080-5	Forward
814AR 811AL	ADA3807-5 AFA3236-3	Center Aft

B. Modify and reidentify new cover plate assemblies as follows:

- (1) Remove ADA7800-7 seal.
- (2) Install new ADA7800-25 seal using Silastic 140 adhesive.
- (3) Reidentify applicable cover plate assemblies as follows:

<u>New Part No.</u>	<u>Old Part No.</u>
ADA7800-507	ADA7800-1
ADA7800-509	ADA7800-501
ADA7800-513	ADA7800-505

C. Position the following applicable cover plate assemblies.

<u>Part No.</u>	<u>Applicable Cargo Door</u>
ADA7800-509 or ADA7800-513	Forward
ADA7800-509 ADA7800-507	Center Aft

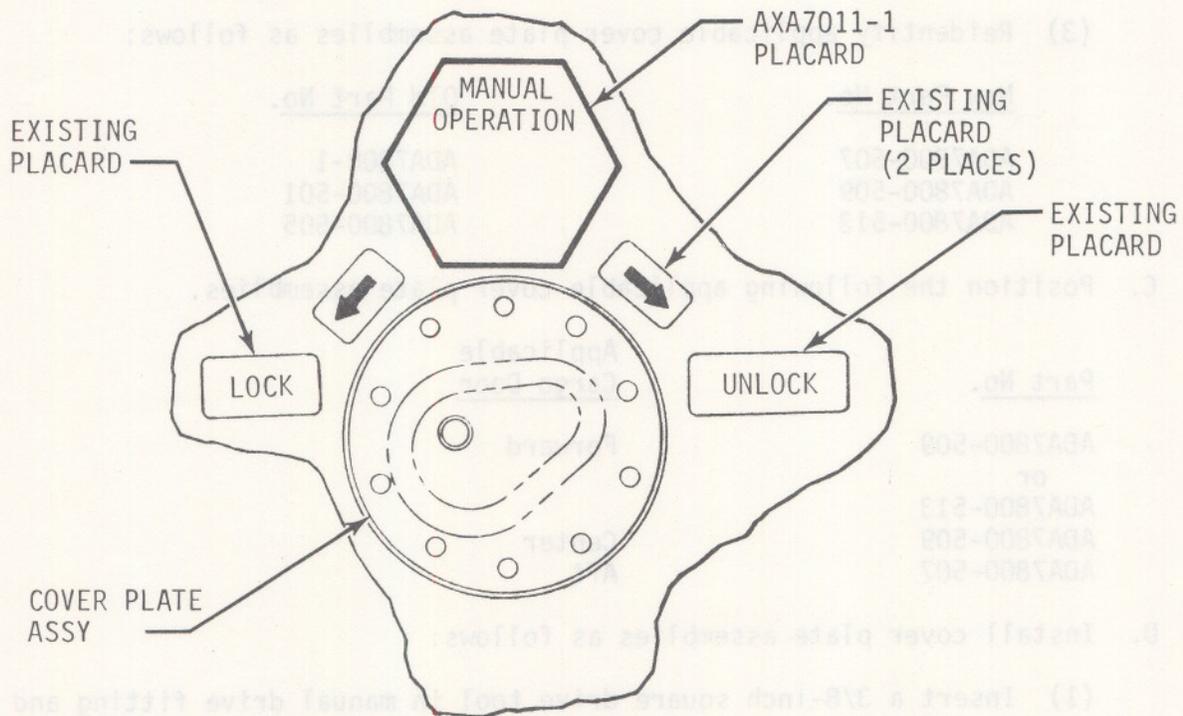
D. Install cover plate assemblies as follows:

- (1) Insert a 3/8-inch square drive tool in manual drive fitting and manually latch door to ensure proper alignment of cover plate assembly.



- (2) Drill ten .190/.194-inch diameter holes through cover plate assembly using holes in cargo door as guides.
 - (3) Countersink holes in cover plate assembly 100° x .391-inch diameter.
 - (4) Install cover plate assembly using PR-1422 sealant and retained screws.
- E. Install new AXA7011-1 placard above each cover plate assembly approximately as shown on sketch.
- F. Reidentify applicable cargo door assemblies as follows:

<u>New Part No.</u>	<u>Old Part No.</u>	<u>Door Location</u>
ADA7809-1 or ADA7809-505 ADA7809-501 ADA7809-503	ADA7797-1 or ADA7797-505 ADA7797-501 ADA7797-503	Forward Center Aft



TYPICAL PLACARD INSTALLATION
(3 PLACES)

CZZ0858-505 Kit

- A. Remove and retain the following cover plate assemblies (access doors) and attaching parts. (See Maintenance Manual, Chapter 6-38-01.)

<u>Access Door</u>	<u>Part No.</u>	<u>Applicable Cargo Door</u>
812AR	ADA7800-501 or -505	Forward
814AR	ADA7800-501	Center
811AL	ADA7800-1 or -503	Aft

- B. Modify and reidentify cover plate assemblies as follows:

- (1) Remove ADA7800-7 seal.
- (2) Install new ADA7800-25 seal using Silastic 140 adhesive.
- (3) Reidentify applicable cover plate assemblies as follows:

<u>New Part No.</u>	<u>Old Part No.</u>
ADA7800-507	ADA7800-1
ADA7800-509	ADA7800-501
ADA7800-511	ADA7800-503
ADA7800-513	ADA7800-505

- C. Install cover plate assemblies using PR-1422 sealant and retained attaching parts.



3. Material Information:

A. The basis for the following material data is per aircraft.

(1) Parts furnished in service change kits at no charge.

<u>New Part No.</u>	<u>Qty Per Kit</u> CZZ0858				<u>Key Word</u>	<u>Old Part No.</u>	<u>Instructions- Disposition</u>
	<u>-501</u>	<u>-503</u>	<u>-505</u>	<u>-571</u>			
ADA7800-1	1	1			Cover Plate Assy	AFA3236-3 (Access Door)	Discard
ADA7800-25			3	3	Seal	ADA7800-7	Discard
ADA7800-501	2	1			Cover Plate Assy	ADA3807-5 (Access Door)	Discard
ADA7800-505		1			Cover Plate Assy	NDA6080-5 (Access Door)	Discard
AXA7011-1				3	Placard		

(2) Materials to be procured from operator's stock or sources indicated.

<u>New Part No.</u>	<u>Qty</u>	<u>Key Word</u>	<u>Instructions- Disposition</u>
PR-1422	As Req'd	Sealant	1/
Silastic 140	As Req'd	Adhesive	1/

1/ May be purchased from the following suppliers:

<u>Material</u>	<u>FSCM</u>	<u>Supplier</u>
PR-1422 Sealant	83574	Products Research and Chemical Corp. 2919 Empire Avenue Burbank, California 91504
Silastic 140 Adhesive	71984	Dow Corning Corporation South Saginaw Road Midland, Michigan 48641

NOTE: FSCM indicates Federal Supply Code for Manufacturers.

(3) Parts to be modified and reidentified by the operator.

<u>New Part No.</u>	<u>Qty Applicable To Kit CZZ0858</u>			<u>Key Word</u>	<u>Old Part No.</u>
	<u>-501</u>	<u>-503</u>	<u>-505</u>		
ADA7800-507 or ADA7800-509 or ADA7800-511 or ADA7800-513	3	3	3	Cover Plate Assy	ADA7800-1 or ADA7800-501 or ADA7800-503 or ADA7800-505

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New Part No.	Qty Applicable To Kit CZZ0858			Key Word	Old Part No.
	-501	-503	-505		
ADA7809-1	1			Door Assy	ADA7797-1
ADA7809-501	1	1		Door Assy	ADA7797-501
ADA7809-503	1	1		Door Assy	ADA7797-503
ADA7809-505			1	Door Assy	ADA7797-505

B. The basis for the following material data is per spares.

None.

KLB