



SAFRAN SEATS USA LLC

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REVISION TRANSMITTAL LETTER

TO:

Holders of Component Maintenance Manual (CMM) 25-20-45, revision No. 24 dated Jun 21/18.

GENERAL:

This transmittal letter is attached to the revision No. 25 of CMM 25-20-45, Ago 28/19.

The pages which are changed with this revision are shown in the List of Effective Pages (LEP). The type of change is shown in the list as follows:

R This page has been revised (replaced)

D This page has been erased (removed)

N This page is new (put into the CMM)

Make sure that the contents of the CMM agree with the List of Effective Pages (LEP).

Write the details on the Record of Revisions (ROR) page.

File this Transmittal Letter in the CMM after the Record of Temporary Revisions (RTR).

Remove and discard the pages which are changed with this Revision.

REASON FOR ISSUE:

This CMM has been revised to incorporate design changes.

The attached highlights give details of these changes.

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HIGHLIGHTSRevision No.25 - Aug 28/19

Pages which have been added, revised or deleted are outlined below together with the Highlights of the Revision.

LOCATIONS	DESIGNATION	DESCRIPTION OF CHANGE
TITLE PAGE	R	Revised to show date of this revision.
SERVICE BULLETIN LIST	R	Revised to update Service Bulletin List.
LIST OF EFFECTIVE PAGES	R	Revised to reflect revision 25.
INTRODUCTION	R	Updated Scope information. Updated Product Support Services information. Updated Usage Guide information. Updated Abbreviations and Unit Symbols information. Updated to reflect the new logo of the company.
DESCRIPTION AND OPERATION	R	Updated Description and Safety information and Operation procedures of the seat. Revised to update Table 2 thru 35. Incorporated Service Bulletins 15680-25-19, 15680-25-26, and 15680-25-27. Updated to reflect the new logo of the company.
TESTING AND FAULT ISOLATION	R	Updated Test Procedures information. Updated Fault Isolation information. Revised to update Table 1001. Updated to reflect the new logo of the company.
DISASSEMBLY	R	Updated General information. Updated Seat Disassembly Procedures information. Updated to reflect the new logo of the company.
CLEANING	R	Revised to update Table 4001. Updated Cleaning Procedures information. Updated to reflect the new logo of the company.
CHECK	R	Incorporated Service Information Letter 41220000-25-13. Updated Check Procedures information. Updated to reflect the new logo of the company.

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LOCATIONS	DESIGNATION	DESCRIPTION OF CHANGE
REPAIR	R	Updated General information. Revised to update Table 6001. Incorporated Service Information Letter 41220000-25-13. Updated to reflect the new logo of the company.
ASSEMBLY	R	Updated General information. Revised to update Table 7001. Updated Seat Assembly Procedures information. Updated to reflect the new logo of the company.
FITS AND CLEARANCES	R	Revised to update Table 8001. Updated to reflect the new logo of the company.
SPECIAL TOOLS, FIXTURES AND EQUIPMENT	R	Updated Materials and Tools information. Added new Tables 9001 and 9002 for Consumable Materials and Special Tools. Updated to reflect the new logo of the company.
STORAGE (INCLUDING TRANSPORTATION)	R	Updated General information. Updated to reflect the new logo of the company.
ILLUSTRATED PARTS LIST (IPL)	R	Updated Illustrated Parts List information. Updated Manufacturer Names and Addresses information. Updated to reflect the new logo of the company.
DETAILED PARTS LIST FIGURE 1	R	Revised to change the catalog sequence, update artwork, and incorporate the latest engineering changes to reflect Revision 25.
FIGURE 1A	R	Revised to update artwork.
FIGURE 2	R	Revised to add new items, change the catalog sequence, update artwork, and incorporate the latest engineering changes to reflect Revision 25. Incorporated Service Bulletin 41220000-25-02.
FIGURE 3	R	Revised to add new items, update artwork, and incorporate the latest engineering changes to reflect Revision 25. Incorporated Service Bulletins 41220000-25-02 and 15680-25-28.

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LOCATIONS	DESIGNATION	DESCRIPTION OF CHANGE
FIGURE 4	R	Revised to add new items, change the catalog sequence, update artwork, and incorporate the latest engineering changes to reflect Revision 25. Incorporated Service Bulletins 41220000-25-01 and 15680-25-28.
FIGURE 5	R	Revised to add new items, change the catalog sequence, update artwork, and incorporate the latest engineering changes to reflect Revision 25.
FIGURE 6	R	Revised to update artwork and incorporate the latest engineering changes to reflect Revision 25.
FIGURE 7	R	Revised to update artwork.

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COMPONENT MAINTENANCE MANUAL WITH ILLUSTRATED PARTS LIST

OBSERVER AND ATTENDANT SEAT ASSEMBLIES

Part Number				
15680-11	15680-33	15680-53	15680-81	15680-101
15680-13	15680-35	15680-55	15680-83	15680-103
15680-15	15680-37	15680-57	15680-85	15680-105
15680-16	15680-39	15680-59	15680-87	15680-107
15680-18	15680-41	15680-67	15680-89	15680-109
15680-21	15680-43	15680-69	15680-91	15680-111
15680-23	15680-45	15680-73	15680-93	15680-113
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15680-31				



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The seats listed above are certified to applicable TSO. Modification or installation of any components that are not OEM specified and certified, will invalidate the TSO certification.

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REV. No.	ISSUE DATE	INSERTED		REV. No.	ISSUE DATE	INSERTED	
		DATE	BY			DATE	BY
Rev.0	Jun 30/06	Jun 30/06	4 Flight				
Rev.1	Mar 01/05	Mar 01/05	4 Flight				
Rev.2	Nov 15/04	Nov 15/04	4 Flight				
Rev.3	Aug 15/04	Aug 15/04	4 Flight				
Rev.4	Jul 15/04	Jul 15/04	4 Flight				
Rev.5	Sep 30/03	Sep 30/03	4 Flight				
Rev.6	Jul 15/03	Jul 15/03	4 Flight				
Rev.7	May 15/03	May 15/03	4 Flight				
Rev.8	Mar 30/03	Mar 30/03	4 Flight				
Rev.9	Feb 15/02	Feb 15/02	4 Flight				
Rev.10	Nov 15/01	Nov 15/01	4 Flight				
Rev.11	Oct 15/00	Oct 15/00	4 Flight				
Rev.12	Aug 15/00	Aug 15/00	4 Flight				
Rev.13	Mar 15/00	Mar 15/00	4 Flight				
Rev.14	Nov 15/96	Nov 15/96	4 Flight				
Rev.15	Jun 1/94	Jun 1/94	4 Flight				
Rev.16	Sep 30/92	Sep 30/92	4 Flight				
Rev.17	May 31/11	May 31/11	4 Flight				
Rev.18	Jul 17/12	Jul 17/12	4 Flight				
Rev.19	Jun 15/01	Jun 15/01	Safran Cabin Inc.				
Rev.20	Jul 15/99	Jul 15/99	Safran Cabin Inc.				
Rev.21	Oct 28/16	Oct 28/16	Safran Cabin Inc.				
Rev.22	Feb 24/17	Feb 24/17	Safran Cabin Inc.				
Rev.23	Jan 22/18	Jan 22/18	Safran Cabin Inc.				
Rev.24	Jun 21/18	Jun 21/18	Safran Cabin Inc.				
Rev.25	Aug 28/19	Aug 28/19	Safran Cabin Inc.				

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SERVICE BULLETIN LIST

SERVICE BULLETIN		INCORPORATION INTO CMM		TITLE
Number	Rev	Date	Rev	
15680-25-1	0	Jan 22/18	23	EQUIPMENT/FURNISHINGS: Dress Cover Change.
15680-25-2	0	Jan 22/18	23	EQUIPMENT/FURNISHINGS: Dress Cover Change.
15680-25-03	0	Jan 22/18	23	EQUIPMENT/FURNISHINGS: Replacement of Restraint System.
15680-25-04	0	Jan 22/18	23	EQUIPMENT/FURNISHINGS: Replacement of Restraint System.
15680-25-05	2	Jan 22/18	23	EQUIPMENT/FURNISHINGS: Replacement of Restraint System.
15680-25-06	2	Jan 22/18	23	EQUIPMENT/FURNISHINGS: Replacement of the Seat Headrest.
15680-25-07	0	Jan 22/18	23	EQUIPMENT/FURNISHINGS: Dress Cover Change.
15680-25-08	0	Jan 22/18	23	EQUIPMENT/FURNISHINGS: Addition of Closeout Cover.
15680-25-10	1	Jan 22/18	23	EQUIPMENT/FURNISHINGS: Replacement of Restraint System.
15680-25-11	3	Jan 22/18	23	EQUIPMENT/FURNISHINGS: Replace Dress Cover.
15680-25-13	1	Jan 22/18	23	EQUIPMENT/FURNISHINGS: Replace Dress Covers.
15680-25-14	1	Jan 22/18	23	EQUIPMENT/FURNISHINGS: Replace Dress Covers and Restraint System.
15680-25-15	0	Jan 22/18	23	EQUIPMENT/FURNISHINGS: Replace Cushions or Dress Covers and Restraint System.
15680-25-16	0	Jan 22/18	23	EQUIPMENT/FURNISHINGS: Modify TSO Placard.
15680-25-17	2	Jan 22/18	23	EQUIPMENT/FURNISHINGS: Replacement of Dress Covers.

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SERVICE BULLETIN		INCORPORATION INTO CMM		TITLE
Number	Rev	Date	Rev	
15680-25-18	2	Jan 22/18	23	EQUIPMENT/FURNISHINGS: Replacement of the Headrest, Back and Bottom Cushion Assemblies.
15680-25-19	0	Jan 22/18	23	EQUIPMENT/FURNISHINGS: Replacement of the Headrest, Back, and Bottom Dress Cover Assemblies.
15680-25-20	1	Jan 22/18	23	EQUIPMENT/FURNISHINGS: New Dress Cover Material.
15680-25-21	0	Jan 22/18	23	EQUIPMENT/FURNISHINGS: New Dress Cover Material.
15680-25-22	0	Jan 22/18	23	EQUIPMENT/FURNISHINGS: New Dress Cover Material.
15680-25-23	0	Jan 22/18	23	EQUIPMENT/FURNISHINGS: New Dress Cover Material.
15680-25-24	1	Jan 22/18	23	EQUIPMENT/FURNISHINGS: New Dress Cover Material.
15680-25-25	0	Jan 22/18	23	EQUIPMENT/FURNISHINGS: Replacement of the Headrest, Back and Bottom Dress Cover Assemblies.
41220000-25-A09	0	Jan 22/18	23	EQUIPMENT/FURNISHINGS: Inspection Procedure for the Upper Bayonet Receptacle Assembly and Allowable Damage Limitation to Continue Flying.
15680-25-26	4	Jun 21/18	24	EQUIPMENT/FURNISHINGS: Replacement of the Headrest, Back, and Bottom Dress Cover Assemblies.
15680-25-27	2	Jun 21/18	24	EQUIPMENT/FURNISHINGS: Replacement of the Headrest, Back, and Bottom Dress Cover Assemblies.
15680-25-27	3	Jun 21/18	24	EQUIPMENT/FURNISHINGS: Replacement of the Headrest, Back, and Bottom Dress Cover Assemblies.

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15680-25-19	2	Aug 28/19	25	EQUIPMENT/FURNISHINGS: Replacement of the Headrest, Back, and Bottom Dress Cover Assemblies.
15680-25-26	5	Aug 28/19	25	EQUIPMENT/FURNISHINGS: Replacement of the Headrest, Back, and Bottom Dress Cover Assemblies.
15680-25-27	4	Aug 28/19	25	EQUIPMENT/FURNISHINGS: Replacement of the Headrest, Back, and Bottom Dress Cover Assemblies.
15680-25-28	0	Aug 28/19	25	EQUIPMENT/FURNISHINGS: Adding Rulon to Attendant Seat Rail.
41220000-25-01	0	Aug 28/19	25	EQUIPMENT/FURNISHINGS: Pivot Bolt Replacement.
41220000-25-02	2	Aug 28/19	25	EQUIPMENT/FURNISHINGS: Return Spring Replacement.
41220000-25-13	0	Aug 28/19	25	EQUIPMENT/FURNISHINGS: Best Practice for Standard Replacement of Rulon.

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**SAFRAN****SAFRAN SEATS USA LLC**

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INTRODUCTION

TASK 25-20-45-99F-801-A01

1. Scope

- A. This Component Maintenance Manual (CMM) contains maintenance instructions and lists replacement parts for the Observer Seat Assemblies and Attendant Seat Assemblies.
- B. This document agrees with the AIR TRANSPORT ASSOCIATION of AMERICA, Specification No. 2200 (ATA 2200) and shows the newest data.
- C. This manual uses the task and subtask identification of the Maintenance Task Oriented Support System (MTOSS). The maintenance tasks and other data have special MTOSS numbers for the use of Electronic Data Processing (EDP).
- D. Maintenance Manual information for seat components (system description, operation, location, removal, installation, testing, etc.) is contained in this Safran Seats USA LLC Component Maintenance Manual No. 25-20-45 and should be placed into the operator's appropriate Airplane Maintenance Manual.

TASK 25-20-45-99F-816-A01

2. Product Support Services

- A. Replacement parts, technical publications, and other product support services are available from Safran Seats USA LLC. Please contact:

Safran Seats USA LLC
2000 Weber Drive
Gainesville, Texas 76240
USA
(V3K723)

Telephone: 940-668-4100
FAX: 940-668-4195

TASK 25-20-45-99F-817-A01

3. Usage Guide

- A. Refer to TABLE OF CONTENTS to find the applicable maintenance procedures or other data.
 - (1) DESCRIPTION AND OPERATION gives the function, primary components, operation, and properties of the Observer Seat Assemblies and Attendant Seat Assemblies.
 - (2) TESTING AND FAULT ISOLATION gives test and fault isolation procedures.
 - (3) DISASSEMBLY gives special procedures to disassemble the Observer Seat Assemblies and Attendant Seat Assemblies for the repair or part replacement.
 - (4) CLEANING gives procedures to clean the components of the Observer Seat Assemblies and Attendant Seat Assemblies.
 - (5) CHECK gives procedures to examine parts for worn areas and damage.

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- (6) REPAIR gives procedures to replace potted inserts, replace bonded components, and make repairs.
- (7) ASSEMBLY gives special procedures to assemble the Observer Seat Assemblies and Attendant Seat Assemblies.
- (8) FITS AND CLEARANCES contains assembly torque limits for screws and nuts.
- (9) SPECIAL TOOLS, FIXTURES AND EQUIPMENT gives the recommended special tools, fixtures, test equipment and consumable materials used in this manual.
- (10) STORAGE (INCLUDING TRANSPORTATION) gives the necessary information about packing and transportation of Observer Seat Assemblies and Attendant Seat Assemblies.
- (11) ILLUSTRATED PARTS LIST (IPL) gives the data necessary to get replacement parts. An equipment index, a numerical index, and illustrations refer to the parts lists that find and identify the parts. The INTRODUCTION gives more data.

B. The sections give a table of recommended tools and materials, when applicable. Use equivalent items if necessary.

C. The procedures in this manual follow the specifications utilized during production and are thereby shop verified.

TASK 25-20-45-99F-802-A01

4. Verification Of Procedures In This Component Maintenance Manual

Section	Method
Testing and Fault Isolation	Verified by simulation
Disassembly	Verified by simulation
Assembly	Verified by simulation

TASK 25-20-45-99F-803-A01

5. List of Abbreviations

°	Degrees
°C	Degrees Celsius
°F	Degrees Fahrenheit
—	Not Illustrated
AR	As Required
ASSY	Assembly
ATA	Air Transport Association
CAGE	Commercial And Government Entity
cm	Centimeter (1 cm = 0.394 inch)

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CMM	Component Maintenance Manual
DET	Details
EFF	Effectivity
FIG.	Figure
FWD	Forward
IDENT	Identification
in.	Inch
INSTL	Installation
IPL	Illustrated Parts List
kg	Kilogram (1 kg = 2.205 pounds)
lb	Pound
LH	Left-Hand
NHA	Next Higher Assembly
No.	Number
PN	Part Number
RPLD	Replaced
RPLS	Replaces
REV	Revision
RF	Reference
RH	Right-Hand
SB	Service Bulletin
SUPSD	Superseded
SUPSDS	Supersedes
SSUSA	Safran Seats USA LLC
V	Vendor

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COMPONENT MAINTENANCE MANUAL
15680DESCRIPTION AND OPERATION

TASK 25-20-45-870-801-A01

1. Description

- A. The Observer and Attendant Seat Assemblies are designed for limited use and space requirements while providing the maximum possible comfort and safety for the seat occupant.
- B. The observer seat assemblies are "hard point" mounted to the bulkhead aft of the flight deck by two sets of attaching hardware placed through brackets mounted to upper and lower slide assemblies (see Figure 1). The forward (aft facing) attendant seat assemblies are also "hard point" mounted to a bulkhead aft of the flight deck (see Figure 2). The aft (forward facing) attendant seat assemblies are "hard point" mounted to the bulkhead in the aft of the passenger cabin. When deployed the seat assemblies slide to the in use position by means of upper and lower slide assemblies. For the forward seat assemblies, the bayonet fitting on the seat back structure engages upper and lower bayonet receptacles mounted to an inboard bulkhead. The aft seat assemblies use a single latch assembly to receive the bayonet from the back structure (see Figure 3).
- C. The seat assembly consists of the seat back structure with a cushion, a removable headrest, and spring-loaded seat bottom cushion/structure which folds up when in the stowed position. In addition the observer seat assemblies provide for occupant safety during emergency and routine flight conditions by means of a four-point restraint harness with rotary buckle and inertia reel. Attendant seat assemblies provide a restraint system consisting of shoulder.

TASK 25-20-45-870-802-A01

2. Safety Considerations

- A. The seat structure is designed to eliminate any protrusions, edges, or projections which might penetrate the various cushions during vertical movements. All areas of passenger contact are free of projections which might cause injury or damage to clothing. The headrest, seat back and bottom cushion assemblies are covered with fire-blocking covers.
- B. In addition, the Observer and Attendant Seat Assemblies provides for occupant safety during emergency and routine flight conditions by means of a restraint system. The lap belts, rotary buckle assembly, and automatic inertia reel (for seats so equipped) allow the seat occupant to casually lean forward while wearing the shoulder harness to facilitate ease of movement. A fast forward motion of the occupant, causing a rapid unwinding of the inertial reel, is automatically prevented by the action of the inertia reel and thereby prevents the occupant from sudden forward thrusts during emergency flight or landing conditions.

TASK 25-20-45-870-803-A01

3. Operation

- A. To deploy the Observer and Attendant Seat Assemblies, activate the latch mechanism and using the strap handle, slide the seat assembly towards the center line of the aircraft so that the bayonet positively engages the upper and lower bayonet receptacles. Unfasten the retaining strap securing the seat bottom. Push the spring-loaded seat bottom down to occupy the seat and secure occupant with restraint system.

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B. To stow the seat assembly, push the release bracket on the upper bayonet receptacle to disengage the seat. Slide the seat to the stowed position and secure in place with the retaining latch. Fasten the strap to the seat bottom.

TASK 25-20-45-870-804-A01

4. Leading Particulars

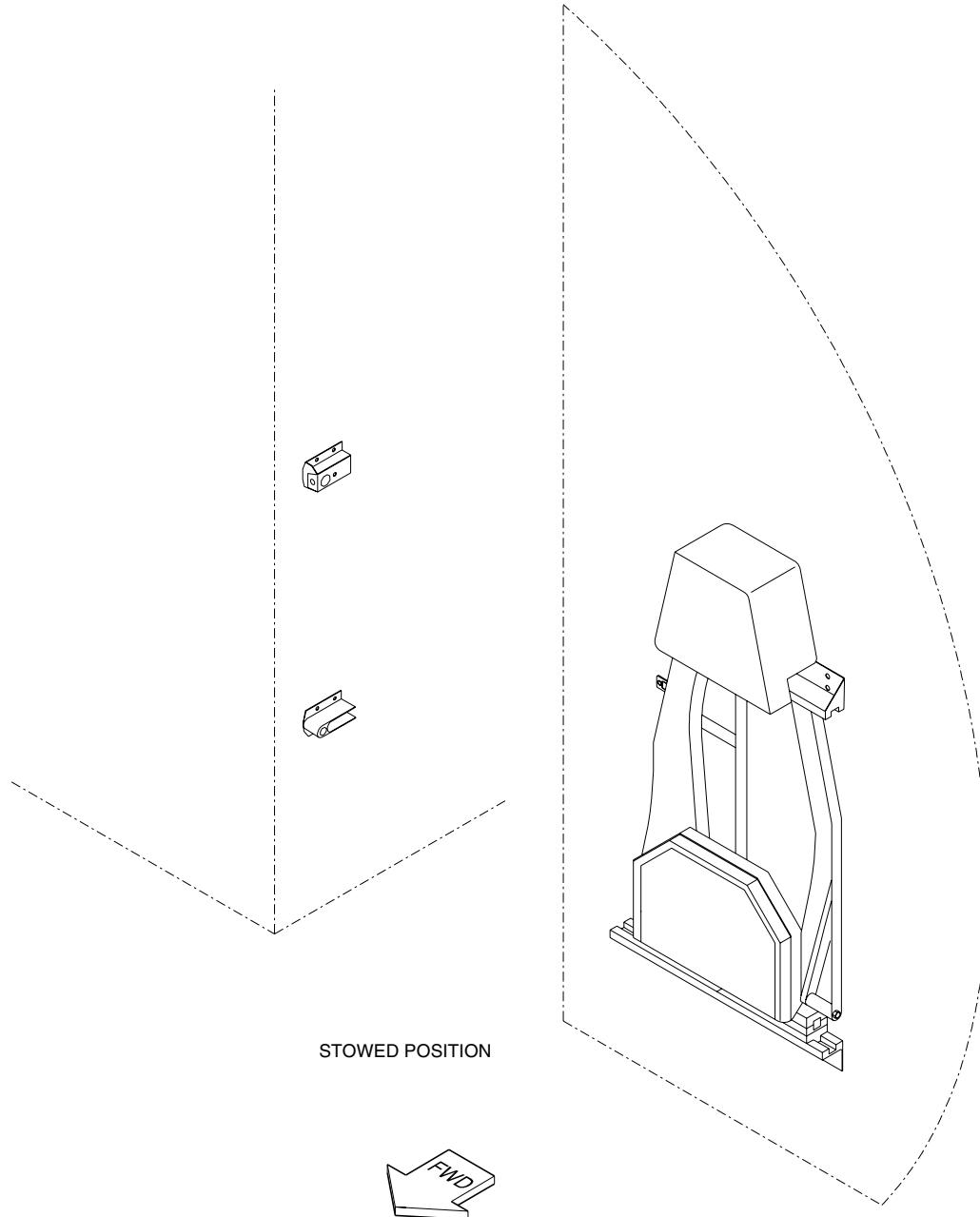
A. Refer to Table 1 for leading particulars for the Observer and Attendant Seat Assemblies covered in this manual

Leading Particular
Table 1/TABLE 25-20-45-870-001-A01

Item	Characteristic
System Features	
Restraint System	Integral restraint system utilizing an inertial shoulder restraint and/or seat belts.
Dimensions	
Height:	42.00 in. (106,68 cm)
Width:	
Observer Seat	22.50 in. (57,15 cm)
FWD Attendant Seat	21.75 in. (55,24 cm)
AFT Attendant Seat	20.50 in. (52,07 cm)
Depth:	6.5 in. (16,51 cm)
(in stowed position)	6.5 in. (16,51 cm)
(in deployed position)	17.0 in. (43,18 cm)
Weight (fully dressed):	55.0 lbs. (24,94 kg)



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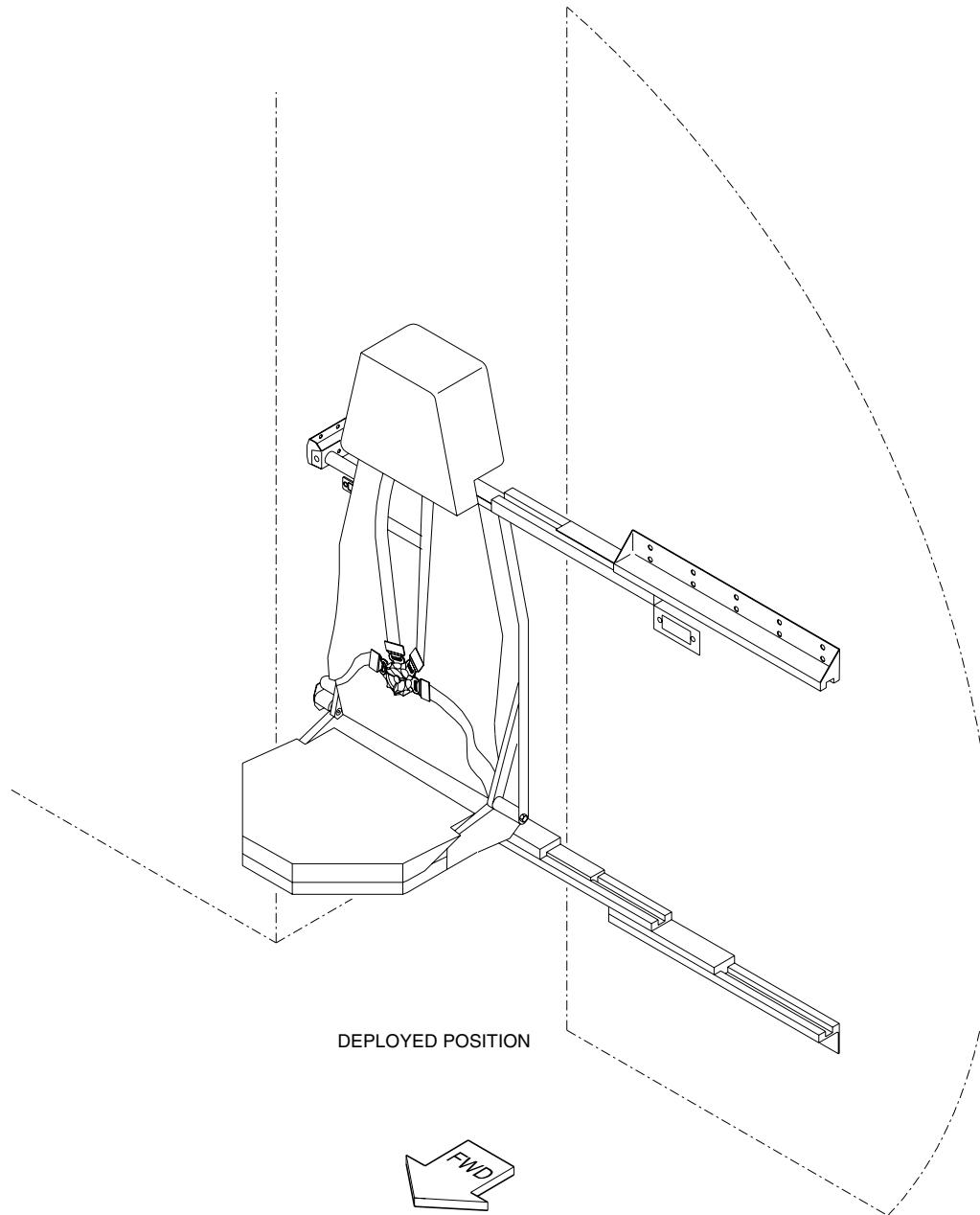


Observer Seat Assembly
(Sheet 1 of 2)
Figure 1/GRAFPHIC 25-20-45-870-001-A01

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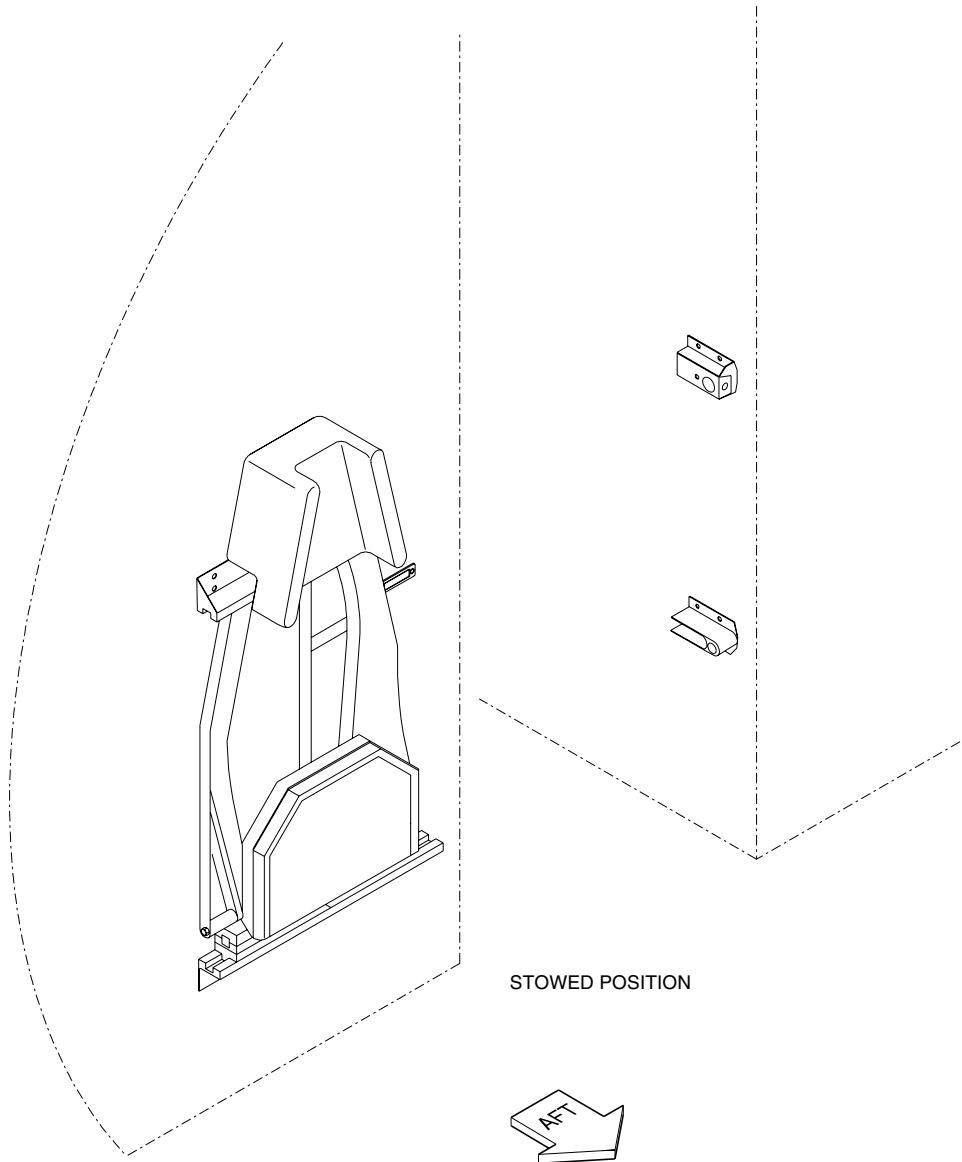
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15680Observer Seat Assembly
(Sheet 2 of 2)
Figure 1/GRAFIC 25-20-45-870-001-A01

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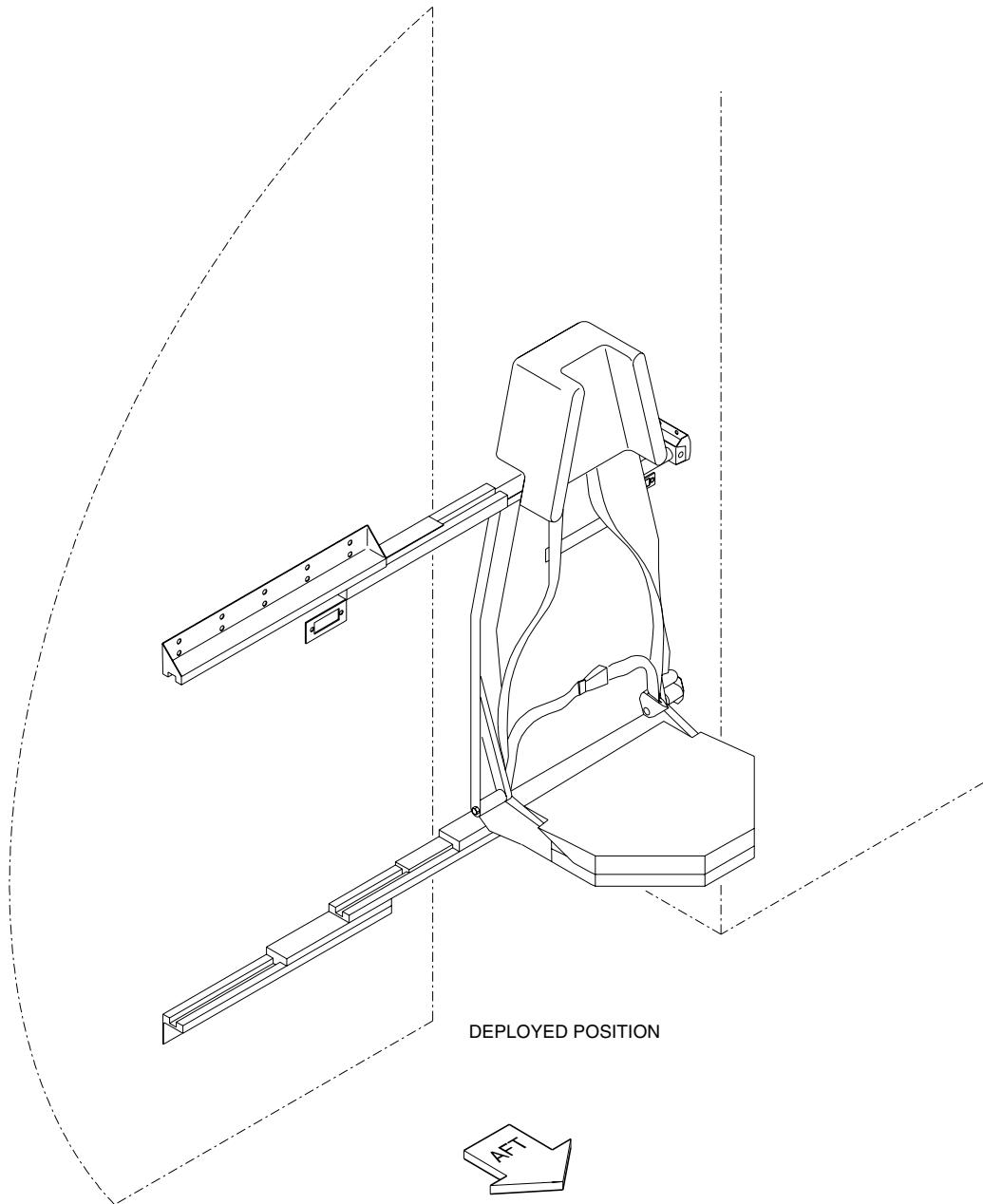


Forward Attendant Seat Assembly
(Sheet 1 of 2)
Figure 2/GRAFIC 25-20-45-870-002-A01

25204502-01

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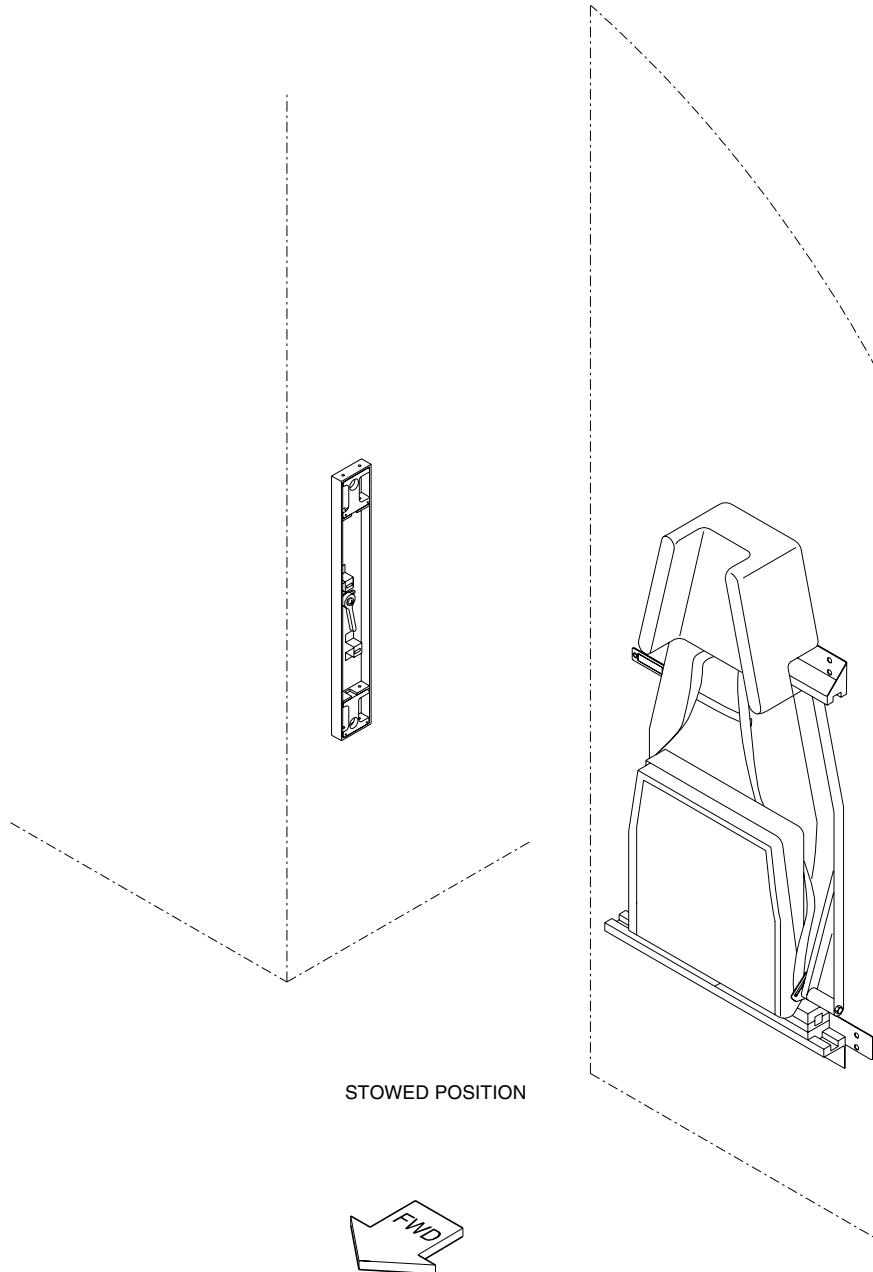
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Forward Attendant Seat Assembly
(Sheet 2 of 2)
Figure 2/GRAFIC 25-20-45-870-002-A01

25204502-02



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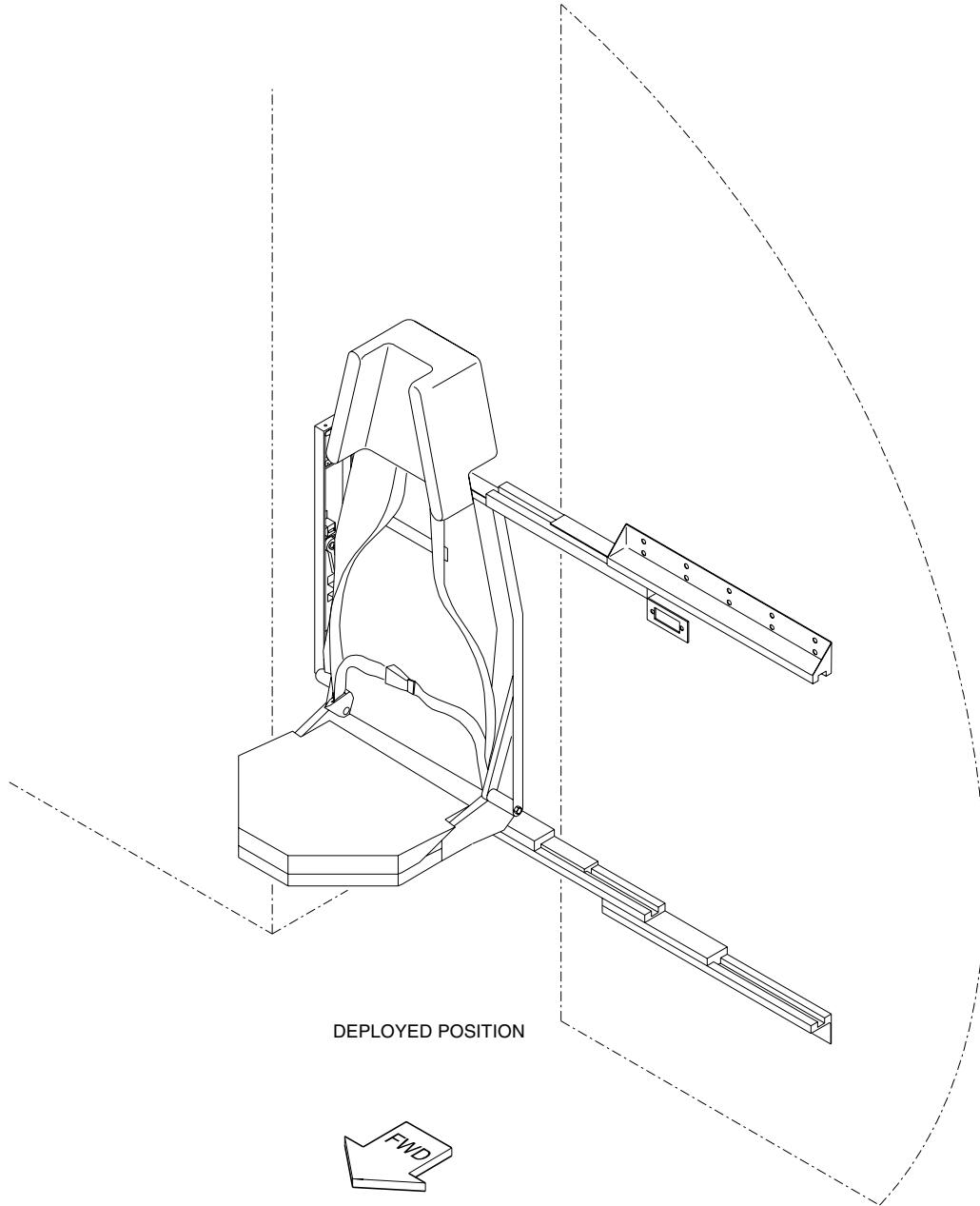


Aft Attendant Seat Assembly
(Sheet 1 of 2)
Figure 3/GRAFIC 25-20-45-870-003-A01

25204503-01

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Aft Attendant Seat Assembly
(Sheet 2 of 2)
Figure 3/GRAFIC 25-20-45-870-003-A01

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TASK 25-20-45-870-805-A01

5. Trim and Finish

- A. Some parts of the equipment described in this manual have a decorative finish (material and/or color) that is peculiar to one or more operators. The part numbers in this manual do not identify decorative finishes.
- B. When ordering parts, a decorative finish code must be included (added) in the part number as listed in this manual. The decorative finish code is inserted after the dash number, replacing the brackets.
- C. Trim and Finish Code.

The trim and finish code for the operator is given in Table 2.

Operator Trim and Finish Codes
Table 2/TABLE 25-20-45-870-005-A01

Operator	Trim and Finish Code	Table Number	Figure Number
DLT / CIMBER	A	3	1
XEROX	B	4	1
COMAIR (DELTA)	C	5	1
MTM	D	6	1
STD	E	7	1
LAUDA	F	8	1
AIR CANADA	G	9	1
BRIT AIR / MIDWAY	H	10	1
AIR LITTORAL	J	11	1
TYROLEAN / KENDALL / CHINA OCEAN	K	12	1
DACAIR	L	13	1
SOUTHERN WINDS / SKYWAYS / COMAIR	M	14	1
MESA / JERSEY EUROPEAN / SHANDONG / CAMEROON / CHINA AVIATION / ADRIA	N	15	1
ATLANTIC COAST AIRLINES (ACA)	P	16	1
ATLANTIC SOUTHEAST AIRLINES / JAPAN / SHANGAI	Q	17	1
MAERSK	R	18	1
AIR NOSTRUM	S	19	1
AIR WISCONSIN	T	20	1

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Operator Trim and Finish Codes
Table 2/TABLE 25-20-45-870-005-A01 (continued)

Operator	Trim and Finish Code	Table Number	Figure Number
CANADAIR / CAMEROON / MALEV / AMR	U	21	1
10005 / ASA / MAERSK / MESA	V	22	1
BRIT AIR (10006)	W	23	1
NORTHWEST / STYRIAN SPIRIT	Y	24	1
LUFTHANSA (CHL) / EUROWINGS	AA	25	1
PALESTIN / FAIR	AB	26	1
AIR DOLOMITI	AR	27	1
HORIZON AIR	AC	28	1
US AIRWAYS	AD	29	1
SKYWEST / COMLUX	AE	30	1
AIR CANADA	AF	31	1
STYRIAN AIRWAYS / AMR	AG	32	1
DELTA	AJ	33	1
LUFTHANSA (CHL) / EUROWINGS	AU	34	1
DELTA (COMFORT PLUS)	AV	35	1

Trim and Finish For DLT Cimber PN 15680 -11X, -13A, -15A, and -21X
Table 3/TABLE 25-20-45-870-006-A01

Item No.	Components	Color / Finish	Material Specifications	Source (CAGE) (1)
1	Dress Cover	Gray	P/N: 2041P / 74S2	Lantal Textiles (V0YRK7)
2	Restraint System	Black	503036-401-2251 503037-401-2251	AM Safe (V35FB9)
3	Seat Structure Surfaces	White, Pepperdust / Semi-gloss	Primer With IP750M	HSH Aerospace Finishes (VB4946)
4	Upper slide Assy	Pepperdust / F-2.48	Only non-frictional parts of slide have to be painted	Commercially available
5	Lower Slide Assy	Pepperdust / F-2.48	Only non-frictional parts of slide have to be painted	Commercially available

(1) Refer to Manufacturer Names and Addresses section for vendor information.



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Trim and Finish For DLT Cimber PN 15680 -11X, -13A, -15A, and -21X
Table 3/TABLE 25-20-45-870-006-A01 (continued)

Item No.	Components	Color / Finish	Material Specifications	Source (CAGE) (1)
6	Dress Cover	Light Medium Gray	P/N: 7605512 Specification: Parana Uni	Riedlinger (VC6683)
7	Seat Structure Surfaces	White, Rose Gray / Semi-gloss	Primer With IP750M	HSH Aerospace Finishes (VB4946)
8	Upper Slide Assy	White, Rose Gray / Semi-gloss	Only non-frictional parts of slide have to be painted	Commercially available
9	Lower Slide Assy	White, Rose Gray / Semi-gloss	Only non-frictional parts of slide have to be painted	Commercially available
(1) Refer to Manufacturer Names and Addresses section for vendor information.				

Trim and Finish For Xerox P/N 15680 -11X, -13B, -15B, and -21B
Table 4/TABLE 25-20-45-870-007-A01

Item No.	Components	Color / Finish	Material Specifications	Source (CAGE) (1)
1	Dress Cover	Gray	P/N: 2041P / 74S2	Lantal Textiles (V0YRK7)
2	Restraint System	Black	503036-401-2251 503037-401-2251	AM Safe (V35FB9)
3	Seat Structure Surfaces	White, Pepperdust / Semi-gloss	Primer With IP750M	HSH Aerospace Finishes (VB4946)
4	Upper slide Assy	Pepperdust / F-2.48	Only non-frictional parts of slide have to be painted	Commercially available
5	Lower Slide Assy	Pepperdust / F-2.48	Only non-frictional parts of slide have to be painted	Commercially available
6	Dress Cover	Blue Dots / Jacquard	P/N: 508873	Lantal Textiles (V0YRK7)
7	Seat Structure Surfaces	White, Dark Blue / Semi-gloss	Primer With IP750M	Commercially available
(1) Refer to Manufacturer Names and Addresses section for vendor information.				

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Trim and Finish For Xerox P/N 15680 -11X, -13B, -15B, and -21B
 Table 4/TABLE 25-20-45-870-007-A01 (continued)

Item No.	Components	Color / Finish	Material Specifications	Source (CAGE) (1)
8	Upper Slide Assy	White, Dark Blue / Semi-gloss	Only non-frictional parts of slide have to be painted	Commercially available
9	Lower Slide Assy	White, Dark Blue / Semi-gloss	Only non-frictional parts of slide have to be painted	Commercially available
(1) Refer to Manufacturer Names and Addresses section for vendor information.				

Trim and Finish For Comair (Delta) P/N 15680 -11X, -13C, -15C, and -21X
 Table 5/TABLE 25-20-45-870-008-A01

Item No.	Components	Color / Finish	Material Specifications	Source (CAGE) (1)
1	Dress Cover	Gray	P/N: 2041P / 74S2	Lantal Textiles (V0YRK7)
2	Restraint System	Black	503036-401-2251 503037-401-2251	AM Safe (V35FB9)
3	Seat Structure Surfaces	White, Pepperdust / Semi-gloss	Primer With IP750M	HSH Aerospace Finishes (VB4946)
4	Upper slide Assy	Pepperdust / F-2.48	Only non-frictional parts of slide have to be painted	Commercially available
5	Lower Slide Assy	Pepperdust / F-2.48	Only non-frictional parts of slide have to be painted	Commercially available
6	Dress Cover	Taupe / Blue, Red / Jacquard	P/N: 6574	Lantal Textiles (V0YRK7)
7	Seat Structure Surfaces	White, Taupe / Semi-gloss	Primer With IP750M	HSH Aerospace Finishes (VB4946)
8	Upper Slide Assy	White, Taupe / Semi-gloss	Only non-frictional parts of slide have to be painted	Commercially available
9	Lower Slide Assy	White, Taupe / Semi-gloss	Only non-frictional parts of slide have to be painted	Commercially available
(1) Refer to Manufacturer Names and Addresses section for vendor information.				

COMPONENT MAINTENANCE MANUAL
15680Trim and Finish For MTM P/N 15680 -11X, -13D, -15D, and -21D
Table 6/TABLE 25-20-45-870-009-A01

Item No.	Components	Color / Finish	Material Specifications	Source (CAGE) (1)
1	Dress Cover	Gray	P/N: 2041P / 74S2	Lantal Textiles (V0YRK7)
2	Restraint System	Black	503036-401-2251 503037-401-2251	AM Safe (V35FB9)
3	Seat Structure Surfaces	White, Pepperdust / Semi-gloss	Primer With IP750M	HSH Aerospace Finishes (VB4946)
4	Upper slide Assy	Pepperdust / F-2.48	Only non-frictional parts of slide have to be painted	Commercially available
5	Lower Slide Assy	Pepperdust / F-2.48	Only non-frictional parts of slide have to be painted	Commercially available
6	Dress Cover	Light Blue, Ocre / Jacquard	P/N: 6500 / 53	Lantal Textiles (V0YRK7)
7	Seat Structure Surfaces	White, Taupe / Semi-gloss	Primer With IP750M	HSH Aerospace Finishes (VB4946)
8	Upper Slide Assy	White, Taupe / Semi-gloss	Only non-frictional parts of slide have to be painted	Commercially available
9	Lower Slide Assy	White, Taupe / Semi-gloss	Only non-frictional parts of slide have to be painted	Commercially available
(1) Refer to Manufacturer Names and Addresses section for vendor information.				

Trim and Finish For STD P/N 15680 -11X, -13E, -15E, and -21E
Table 7/TABLE 25-20-45-870-010-A01

Item No.	Components	Color / Finish	Material Specifications	Source (CAGE) (1)
1	Dress Cover	Gray	P/N: 2041P / 74S2	Lantal Textiles (V0YRK7)
2	Restraint System	Black	503036-401-2251 503037-401-2251	AM Safe (V35FB9)
3	Seat Structure Surfaces	White, Pepperdust / Semi-gloss	Primer With IP750M	HSH Aerospace Finishes (VB4946)
(1) Refer to Manufacturer Names and Addresses section for vendor information.				

COMPONENT MAINTENANCE MANUAL
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Trim and Finish For STD P/N 15680 -11X, -13E, -15E, and -21E
Table 7/TABLE 25-20-45-870-010-A01 (continued)

Item No.	Components	Color / Finish	Material Specifications	Source (CAGE) (1)
4	Upper slide Assy	Pepperdust / F-2.48	Only non-frictional parts of slide have to be painted	Commercially available
5	Lower Slide Assy	Pepperdust / F-2.48	Only non-frictional parts of slide have to be painted	Commercially available
6	Dress Cover	Taupe, Blue / Jacquard	P/N: 6514 / 75	Lantal Textiles (V0YRK7)
7	Seat Structure Surfaces	White, Taupe / Semi-gloss	Primer With IP750M	HSH Aerospace Finishes (VB4946)
8	Upper Slide Assy	White, Taupe / Semi-gloss	Only non-frictional parts of slide have to be painted	Commercially available
9	Lower Slide Assy	White, Taupe / Semi-gloss	Only non-frictional parts of slide have to be painted	Commercially available

(1) Refer to Manufacturer Names and Addresses section for vendor information.
Trim and Finish For Lauda P/N 15680 -11X, -13F, -15F, and -21X
Table 8/TABLE 25-20-45-870-011-A01

Item No.	Components	Color / Finish	Material Specifications	Source (CAGE) (1)
1	Dress Cover	Gray	P/N: 2041P / 74S2	Lantal Textiles (V0YRK7)
2	Restraint System	Black	503036-401-2251	AM Safe (V35FB9)
		Flame Red	503037-401-442267	
3	Seat Structure Surfaces	White, Pepperdust / Semi-gloss	Primer With IP750M	HSH Aerospace Finishes (VB4946)
4	Upper slide Assy	Pepperdust / F-2.48	Only non-frictional parts of slide have to be painted	Commercially available
5	Lower Slide Assy	Pepperdust / F-2.48	Only non-frictional parts of slide have to be painted	Commercially available
6	Dress Cover	Medium Gray / Jacquard	P/N: 4986 / 747	Lantal Textiles (V0YRK7)

(1) Refer to Manufacturer Names and Addresses section for vendor information.

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Trim and Finish For Lauda P/N 15680 -11X, -13F, -15F, and -21X
Table 8/TABLE 25-20-45-870-011-A01 (continued)

Item No.	Components	Color / Finish	Material Specifications	Source (CAGE) (1)
7	Seat Structure Surfaces	White, Rose Gray / Semi-gloss	Primer With IP750M	HSH Aerospace Finishes (VB4946)
8	Upper Slide Assy	White, Rose Gray / Semi-gloss	Only non-frictional parts of slide have to be painted	Commercially available
9	Lower Slide Assy	White, Rose Gray / Semi-gloss	Only parts non-frictional parts of slide have to be painted	Commercially available
(1) Refer to Manufacturer Names and Addresses section for vendor information.				

Trim and Finish For Air Canada P/N 15680 -11X, -13G, -15G, and -21X
Table 9/TABLE 25-20-45-870-012-A01

Item No.	Components	Color / Finish	Material Specifications	Source (CAGE) (1)
1	Dress Cover	Gray	P/N: 2041P / 74S2	Lantal Textiles (V0YRK7)
2	Restraint System	Black	503036-401-2251	AM Safe (V35FB9)
		Navy Blue	503037-401-442256	
3	Seat Structure Surfaces	White, Pepperdust / Semi-gloss	Primer With IP750M	HSH Aerospace Finishes (VB4946)
4	Upper slide Assy	Pepperdust / F-2.48	Only non-frictional parts of slide have to be painted	Commercially available
5	Lower Slide Assy	Pepperdust / F-2.48	Only non-frictional parts of slide have to be painted	Commercially available
6	Dress Cover	Spruce Green / Jacquard	P/N: 6577 / 34	Lantal Textiles (V0YRK7)
7	Seat Structure Surfaces	White, Rose Gray / Semi-gloss	Primer With IP750M	HSH Aerospace Finishes (VB4946)
(1) Refer to Manufacturer Names and Addresses section for vendor information.				

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Trim and Finish For Air Canada P/N 15680 -11X, -13G, -15G, and -21X
 Table 9/TABLE 25-20-45-870-012-A01 (continued)

Item No.	Components	Color / Finish	Material Specifications	Source (CAGE) (1)
8	Upper Slide Assy	White, Rose Gray / Semi-gloss	Only non-frictional parts of slide have to be painted	Commercially available
9	Lower Slide Assy	White, Rose Gray / Semi-gloss	Only parts non-frictional parts of slide have to be painted	Commercially available
(1) Refer to Manufacturer Names and Addresses section for vendor information.				

Trim and Finish For Brit Air / Midway P/N 15680 -11X, -13H, and -15H
 Table 10/TABLE 25-20-45-870-013-A01

Item No.	Components	Color / Finish	Material Specifications	Source (CAGE) (1)
1	Dress Cover	Gray	P/N: 2041P / 74S2	Lantal Textiles (V0YRK7)
2	Restraint System	Black	503036-401-2251 503037-401-2251	AM Safe (V35FB9)
3	Seat Structure Surfaces	White, Pepperdust / Semi-gloss	Primer With IP750M	HSH Aerospace Finishes (VB4946)
4	Upper slide Assy	Pepperdust / F-2.48	Only non-frictional parts of slide have to be painted	Commercially available
5	Lower Slide Assy	Pepperdust / F-2.48	Only non-frictional parts of slide have to be painted	Commercially available
6	Dress Cover	Navy Blue / Jacquard	P/N: 2041P / 49	Lantal Textiles (V0YRK7)
7	Seat Structure Surfaces	White, Rose Gray / Semi-gloss	Primer With IP750M	HSH Aerospace Finishes (VB4946)
8	Upper Slide Assy	White, Rose Gray / Semi-gloss	Only non-frictional parts of slide have to be painted	Commercially available
9	Lower Slide Assy	White, Rose Gray / Semi-gloss	Only parts non-frictional parts of slide have to be painted	Commercially available
(1) Refer to Manufacturer Names and Addresses section for vendor information.				

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Trim and Finish For Air Littoral P/N 15680 -11X, -13J, and -15J
Table 11/TABLE 25-20-45-870-014-A01

Item No.	Components	Color / Finish	Material Specifications	Source (CAGE) (1)
1	Dress Cover	Gray	P/N: 2041P / 74S2	Lantal Textiles (V0YRK7)
2	Restraint System	Black	503036-401-2251 503037-401-2251	AM Safe (V35FB9)
3	Seat Structure Surfaces	White, Pepperdust / Semi-gloss	Primer With IP750M	HSH Aerospace Finishes (VB4946)
4	Upper slide Assy	Pepperdust / F-2.48	Only non-frictional parts of slide have to be painted	Commercially available
5	Lower Slide Assy	Pepperdust / F-2.48	Only non-frictional parts of slide have to be painted	Commercially available
6	Dress Cover	Blue and Gray Stripes / Jacquard	P/N: 41922	Tissage de Picardie
7	Seat Structure Surfaces	White, Rose Gray / Semi-gloss	Primer With IP750M	HSH Aerospace Finishes (VB4946)
8	Upper Slide Assy	White, Rose Gray / Semi-gloss	Only non-frictional parts of slide have to be painted	Commercially available
9	Lower Slide Assy	White, Rose Gray / Semi-gloss	Only parts non-frictional parts of slide have to be painted	Commercially available

(1) Refer to Manufacturer Names and Addresses section for vendor information.

Trim and Finish For Tyrolean / Kendall / China Ocean P/N 15680 -11X, 15680-21X, -13K, and -15K
Table 12/TABLE 25-20-45-870-015-A01

Item No.	Components	Color / Finish	Material Specifications	Source (CAGE) (1)
1	Dress Cover	Gray	P/N: 2041P / 74S2	Lantal Textiles (V0YRK7)
2	Restraint System	Black	503036-401-2251 503037-401-2251	AM Safe (V35FB9)
3	Seat Structure Surfaces	White, Pepperdust / Semi-gloss	Primer With IP750M	HSH Aerospace Finishes (VB4946)

(1) Refer to Manufacturer Names and Addresses section for vendor information.

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15680Trim and Finish For Tyrolean / Kendall / China Ocean P/N 15680 -11X, 15680-21X, -13K, and -15K
Table 12/TABLE 25-20-45-870-015-A01 (continued)

Item No.	Components	Color / Finish	Material Specifications	Source (CAGE) (1)
4	Upper slide Assy	Pepperdust / F-2.48	Only non-frictional parts of slide have to be painted	Commercially available
5	Lower Slide Assy	Pepperdust / F-2.48	Only non-frictional parts of slide have to be painted	Commercially available
6	Dress Cover	Cinder	P/N: 3622D65-41 Upholstery: Leather	Douglass Interior (V0HGX6)
7	Seat Structure Surfaces	White, Rose Gray / Semi-gloss	Primer With IP750M	HSH Aerospace Finishes (VB4946)
8	Upper Slide Assy	White, Rose Gray / Semi-gloss	Only non-frictional parts of slide have to be painted	Commercially available
9	Lower Slide Assy	White, Rose Gray / Semi-gloss	Only parts non-frictional parts of slide have to be painted	Commercially available

(1) Refer to Manufacturer Names and Addresses section for vendor information.

Trim and Finish For Dacair P/N 15680 -11X, -13L, and -15L
Table 13/TABLE 25-20-45-870-016-A01

Item No.	Components	Color / Finish	Material Specifications	Source (CAGE) (1)
1	Dress Cover	Gray	P/N: 2041P / 74S2	Lantal Textiles (V0YRK7)
2	Restraint System	Black	503036-401-2251 503037-401-2251	AM Safe (V35FB9)
3	Seat Structure Surfaces	White, Pepperdust / Semi-gloss	Primer With IP750M	HSH Aerospace Finishes (VB4946)
4	Upper slide Assy	Pepperdust / F-2.48	Only non-frictional parts of slide have to be painted	Commercially available
5	Lower Slide Assy	Pepperdust / F-2.48	Only non-frictional parts of slide have to be painted	Commercially available
6	Dress Cover	Blue	P/N: 3618D65-41 Upholstery: Leather	Douglass Interior (V0HGX6)

(1) Refer to Manufacturer Names and Addresses section for vendor information.

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15680Trim and Finish For Dacair P/N 15680 -11X, -13L, and -15L
Table 13/TABLE 25-20-45-870-016-A01 (continued)

Item No.	Components	Color / Finish	Material Specifications	Source (CAGE) (1)
7	Seat Structure Surfaces	White, Rose Gray / Semi-gloss	Primer With IP750M	HSH Aerospace Finishes (VB4946)
8	Upper Slide Assy	White, Rose Gray / Semi-gloss	Only non-frictional parts of slide have to be painted	Commercially available
9	Lower Slide Assy	White, Rose Gray / Semi-gloss	Only parts non-frictional parts of slide have to be painted	Commercially available
(1) Refer to Manufacturer Names and Addresses section for vendor information.				

Trim and Finish For Southern Winds / Skyways / Comair P/N 15680 -11X, -13M, -15M, -49M, and -75M
Table 14/TABLE 25-20-45-870-017-A01

Item No.	Components	Color / Finish	Material Specifications	Source (CAGE) (1)
1	Dress Cover	Gray	P/N: 2041P / 74S2	Lantal Textiles (V0YRK7)
2	Restraint System	Black	503036-401-2251 503037-401-2251	AM Safe (V35FB9)
3	Seat Structure Surfaces	White, Pepperdust / Semi-gloss	Primer With IP750M	HSH Aerospace Finishes (VB4946)
4	Upper slide Assy	Pepperdust / F-2.48	Only non-frictional parts of slide have to be painted	Commercially available
5	Lower Slide Assy	Pepperdust / F-2.48	Only non-frictional parts of slide have to be painted	Commercially available
6	Dress Cover	Taupe, Blue, Red	P/N: 6574 / 72	Lantal Textiles (V0YRK7)
7	Seat Structure Surfaces	White, Taupe / Semi-gloss	Primer With IP750M	HSH Aerospace Finishes (VB4946)
		White, Rose Gray / Semi-gloss		
(1) Refer to Manufacturer Names and Addresses section for vendor information.				

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Trim and Finish For Southern Winds / Skyways / Comair P/N 15680 -11X, -13M, -15M, -49M, and -75M
 Table 14/TABLE 25-20-45-870-017-A01 (continued)

Item No.	Components	Color / Finish	Material Specifications	Source (CAGE) (1)
8	Upper Slide Assy	White, Rose Gray / Semi-gloss	Only non-frictional parts of slide have to be painted	Commercially available
9	Lower Slide Assy	White, Rose Gray / Semi-gloss	Only parts non-frictional parts of slide have to be painted	Commercially available

(1) Refer to Manufacturer Names and Addresses section for vendor information.

Trim and Finish For Mesa / Jersey European / Shandong / Cameroon / China Aviation / Adria P/N 15680 -11X, -21X, -13N, -15N, -25N, -27N, -81N, -37X, -49N, and -16N
 Table 15/TABLE 25-20-45-870-018-A01

Item No.	Components	Color / Finish	Material Specifications	Source (CAGE) (1)
1	Dress Cover	Gray	P/N: 2041P / 74S2	Lantal Textiles (V0YRK7)
2	Restraint System	Black	503036-401-2251 503037-401-2251 504813-401-2251	AM Safe (V35FB9)
3	Seat Structure Surfaces	White, Pepperdust / Semi-gloss	Primer With IP750M	HSH Aerospace Finishes (VB4946)
4	Upper slide Assy	Pepperdust / F-2.48	Only non-frictional parts of slide have to be painted	Commercially available
5	Lower Slide Assy	Pepperdust / F-2.48	Only non-frictional parts of slide have to be painted	Commercially available
6	Dress Cover	Gray	P/N: 2041P / 74S2	Lantal Textiles (V0YRK7)
7	Seat Structure Surfaces	White, Pepperdust / Semi-gloss	Primer With IP750M	HSH Aerospace Finishes (VB4946)
8	Upper Slide Assy	Pepperdust / F-2.48	Only non-frictional parts of slide have to be painted	Commercially available
9	Lower Slide Assy	Pepperdust / F-2.48	Only parts non-frictional parts of slide have to be painted	Commercially available

(1) Refer to Manufacturer Names and Addresses section for vendor information.

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15680Trim and Finish For Atlantic Coast Airlines (ACA) P/N 15680 -21X and -23P
Table 16/TABLE 25-20-45-870-019-A01

Item No.	Components	Color / Finish	Material Specifications	Source (CAGE) (1)
1	Dress Cover	Gray	P/N: 2041P / 74S2	Lantal Textiles (V0YRK7)
2	Restraint System	Black	503036-401-2251	AM Safe (V35FB9)
		Black Pearl	503037-403-1449	
3	Seat Structure Surfaces	White, Pepperdust / Semi-gloss	Primer With IP750M	HSH Aerospace Finishes (VB4946)
4	Upper slide Assy	Pepperdust / F-2.48	Only non-frictional parts of slide have to be painted	Commercially available
5	Lower Slide Assy	Pepperdust / F-2.48	Only non-frictional parts of slide have to be painted	Commercially available
6	Dress Cover	Blue	P/N: 3618D65-41 Upholstery: Leather	Douglass Interior (V0HGX6)
7	Seat Structure Surfaces	White, Rose Gray / Semi-gloss	Primer With IP750M	HSH Aerospace Finishes (VB4946)
8	Upper Slide Assy	White, Rose Gray / Semi-gloss	Only non-frictional parts of slide have to be painted	Commercially available
9	Lower Slide Assy	White, Rose Gray / Semi-gloss	Only parts non-frictional parts of slide have to be painted	Commercially available
(1) Refer to Manufacturer Names and Addresses section for vendor information.				

Trim and Finish For Atlantic Southeast Airlines / Japan / Shanghai P/N 15680 -11X, -21X and -13Q
Table 17/TABLE 25-20-45-870-020-A01

Item No.	Components	Color / Finish	Material Specifications	Source (CAGE) (1)
1	Dress Cover	Gray	P/N: 2041P / 74S2	Lantal Textiles (V0YRK7)
2	Restraint System	Black	503036-401-2251 503037-401-2251	AM Safe (V35FB9)
3	Seat Structure Surfaces	White, Pepperdust / Semi-gloss	Primer With IP750M	HSH Aerospace Finishes (VB4946)
(1) Refer to Manufacturer Names and Addresses section for vendor information.				

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Trim and Finish For Atlantic Southeast Airlines / Japan / Shanghai P/N 15680 -11X, -21X and -13Q
 Table 17/TABLE 25-20-45-870-020-A01 (continued)

Item No.	Components	Color / Finish	Material Specifications	Source (CAGE) (1)
4	Upper slide Assy	Pepperdust / F-2.48	Only non-frictional parts of slide have to be painted	Commercially available
5	Lower Slide Assy	Pepperdust / F-2.48	Only non-frictional parts of slide have to be painted	Commercially available
6	Dress Cover	Blue / Jacquard	P/N: 2041P / 49 Navy Blue	Lantal Textiles (V0YRK7)
7	Seat Structure Surfaces	White, Rose Gray / Semi-gloss	Primer With IP750M	HSH Aerospace Finishes (VB4946)
8	Upper Slide Assy	White, Rose Gray / Semi-gloss	Only non-frictional parts of slide have to be painted	Commercially available
9	Lower Slide Assy	White, Rose Gray / Semi-gloss	Only parts non-frictional parts of slide have to be painted	Commercially available

(1) Refer to Manufacturer Names and Addresses section for vendor information.

Trim and Finish For Maersk P/N 15680 -21X, -27R and -25R
 Table 18/TABLE 25-20-45-870-021-A01

Item No.	Components	Color / Finish	Material Specifications	Source (CAGE) (1)
1	Dress Cover	Gray	P/N: 2041P / 74S2	Lantal Textiles (V0YRK7)
2	Restraint System	Black	503036-401-2251 504814-401-2251	AM Safe (V35FB9)
3	Seat Structure Surfaces	White, Pepperdust / Semi-gloss	Primer With IP750M	HSH Aerospace Finishes (VB4946)
4	Upper slide Assy	Pepperdust / F-2.48	Only non-frictional parts of slide have to be painted	Commercially available
5	Lower Slide Assy	Pepperdust / F-2.48	Only non-frictional parts of slide have to be painted	Commercially available
6	Dress Cover	Blue, Red Dots	P/N: 72649-500 Fabric: 100% Wool	AaBe Textile (VH3302)

(1) Refer to Manufacturer Names and Addresses section for vendor information.

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Trim and Finish For Maersk P/N 15680 -21X, -27R and -25R
Table 18/TABLE 25-20-45-870-021-A01 (continued)

Item No.	Components	Color / Finish	Material Specifications	Source (CAGE) (1)
7	Seat Structure Surfaces	White, Rose Gray / Semi-gloss	Primer With IP750M	HSH Aerospace Finishes (VB4946)
8	Upper Slide Assy	White, Rose Gray / Semi-gloss	Only non-frictional parts of slide have to be painted	Commercially available
9	Lower Slide Assy	White, Rose Gray / Semi-gloss	Only parts non-frictional parts of slide have to be painted	Commercially available
(1) Refer to Manufacturer Names and Addresses section for vendor information.				

Trim and Finish For Air Nostrum P/N 15680 -11X, -29S and -33S
Table 19/TABLE 25-20-45-870-022-A01

Item No.	Components	Color / Finish	Material Specifications	Source (CAGE) (1)
1	Dress Cover	Gray	P/N: 2041P / 74S2	Lantal Textiles (V0YRK7)
2	Restraint System	Black	503036-401-2251	AM Safe (V35FB9)
		Midnight Blue	503037-401-2258	
3	Seat Structure Surfaces	White, Pepperdust / Semi-gloss	Primer With IP750M	HSH Aerospace Finishes (VB4946)
4	Upper slide Assy	Pepperdust / F-2.48	Only non-frictional parts of slide have to be painted	Commercially available
5	Lower Slide Assy	Pepperdust / F-2.48	Only non-frictional parts of slide have to be painted	Commercially available
6	Dress Cover	Blue	P/N: 3618D65-41 Upholstery: Leather	Douglass Interior (V0HGX6)
7	Seat Structure Surfaces	White, Rose Gray / Semi-gloss	Primer With IP750M	HSH Aerospace Finishes (VB4946)
(1) Refer to Manufacturer Names and Addresses section for vendor information.				

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Trim and Finish For Air Nostrum P/N 15680 -11X, -29S and -33S
 Table 19/TABLE 25-20-45-870-022-A01 (continued)

Item No.	Components	Color / Finish	Material Specifications	Source (CAGE) (1)
8	Upper Slide Assy	White, Rose Gray / Semi-gloss	Only non-frictional parts of slide have to be painted	Commercially available
9	Lower Slide Assy	White, Rose Gray / Semi-gloss	Only parts non-frictional parts of slide have to be painted	Commercially available
(1) Refer to Manufacturer Names and Addresses section for vendor information.				

Trim and Finish For Air Wisconsin P/N 15680 -21X and -35T
 Table 20/TABLE 25-20-45-870-023-A01

Item No.	Components	Color / Finish	Material Specifications	Source (CAGE) (1)
1	Dress Cover	Gray	P/N: 2041P / 74S2	Lantal Textiles (V0YRK7)
2	Restraint System	Black	503036-401-2251	AM Safe (V35FB9)
		Black Pearl	503037-401-1449	
3	Seat Structure Surfaces	White, Pepperdust / Semi-gloss	Primer With IP750M	HSH Aerospace Finishes (VB4946)
4	Upper slide Assy	Pepperdust / F-2.48	Only non-frictional parts of slide have to be painted	Commercially available
5	Lower Slide Assy	Pepperdust / F-2.48	Only non-frictional parts of slide have to be painted	Commercially available
6	Dress Cover	Blue	P/N: 3618D65-41 Upholstery: Leather	Douglass Interior (V0HGX6)
7	Seat Structure Surfaces	White, Rose Gray / Semi-gloss	Primer With IP750M	HSH Aerospace Finishes (VB4946)
8	Upper Slide Assy	White, Rose Gray / Semi-gloss	Only non-frictional parts of slide have to be painted	Commercially available
9	Lower Slide Assy	White, Rose Gray / Semi-gloss	Only parts non-frictional parts of slide have to be painted	Commercially available
(1) Refer to Manufacturer Names and Addresses section for vendor information.				

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Trim and Finish For Canadair / Cameroon / Malev / AMR P/N 15680 -37X, -39U, -41U, -59U, -13U, -21X, and -51U

Table 21/TABLE 25-20-45-870-024-A01

Item No.	Components	Color / Finish	Material Specifications	Source (CAGE) (1)
1	Dress Cover	Gray	P/N: 2041P / 74S2	Lantal Textiles (V0YRK7)
2	Restraint System	Black	503036-401-2251 503037-401-2251	AM Safe (V35FB9)
		Cruiser Gray	503037-401-2847	
3	Seat Structure Surfaces	White, Pepperdust / Semi-gloss	Primer With IP750M	HSH Aerospace Finishes (VB4946)
4	Upper slide Assy	Pepperdust / F-2.48	Only non-frictional parts of slide have to be painted	Commercially available
5	Lower Slide Assy	Pepperdust / F-2.48	Only non-frictional parts of slide have to be painted	Commercially available
6	Dress Cover	Admiral Navy Blue	P/N: 2556 Fabric: Ultra Leather	Tapis Corporation (V3ULF6)
7	Seat Structure Surfaces	White, Rose Gray or Pepperdust / Semi-gloss	Primer With IP750M	HSH Aerospace Finishes (VB4946)
8	Upper Slide Assy	White, Rose Gray or Pepperdust / Semi-gloss	Only non-frictional parts of slide have to be painted	Commercially available
9	Lower Slide Assy	White, Rose Gray or Pepperdust / Semi-gloss	Only parts non-frictional parts of slide have to be painted	Commercially available
(1) Refer to Manufacturer Names and Addresses section for vendor information.				

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Trim and Finish For 10005 / ASA / Maersk / Mesa P/N 15680 -37X, -43V, -73V, -77V, and -79V
 Table 22/TABLE 25-20-45-870-025-A01

Item No.	Components	Color / Finish	Material Specifications	Source (CAGE) (1)
1	Dress Cover	Gray	P/N: 2041P / 74S2	Lantal Textiles (V0YRK7)
2	Restraint System	Black	503036-401-2251	AM Safe (V35FB9)
		Black Peral	503037-401-1449 504813-401-1449	
		Midnight Blue	503037-401-2258	
3	Seat Structure Surfaces	White, Pepperdust / Semi-gloss	Primer With IP750M	HSH Aerospace Finishes (VB4946)
4	Upper slide Assy	Pepperdust / F-2.48	Only non-frictional parts of slide have to be painted	Commercially available
5	Lower Slide Assy	Pepperdust / F-2.48	Only non-frictional parts of slide have to be painted	Commercially available
6	Dress Cover	Blue / Jacquard	P/N: 2041P / 49 Navy Blue	Lantal Textiles (V0YRK7)
7	Seat Structure Surfaces	White, Rose Gray / Semi-gloss	Primer With IP750M	HSH Aerospace Finishes (VB4946)
8	Upper Slide Assy	White, Rose Gray / Semi-gloss	Only non-frictional parts of slide have to be painted	Commercially available
9	Lower Slide Assy	White, Rose Gray / Semi-gloss	Only parts non-frictional parts of slide have to be painted	Commercially available
(1) Refer to Manufacturer Names and Addresses section for vendor information.				

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Trim and Finish For Brit Air (10006) P/N 15680 -37X, -49W, and -51W
Table 23/TABLE 25-20-45-870-026-A01

Item No.	Components	Color / Finish	Material Specifications	Source (CAGE) (1)
1	Dress Cover	Gray	P/N: 2041P / 74S2	Lantal Textiles (V0YRK7)
2	Restraint System	Black	503036-401-2251 503037-401-2251	AM Safe (V35FB9)
3	Seat Structure Surfaces	White, Pepperdust / Semi-gloss	Primer With IP750M	HSH Aerospace Finishes (VB4946)
4	Upper slide Assy	Pepperdust / F-2.48	Only non-frictional parts of slide have to be painted	Commercially available
5	Lower Slide Assy	Pepperdust / F-2.48	Only non-frictional parts of slide have to be painted	Commercially available
6	Dress Cover	Blue / Jacquard	P/N: 2041P / 49 Navy Blue	Lantal Textiles (V0YRK7)
7	Seat Structure Surfaces	White, Rose Gray / Semi-gloss	Primer With IP750M	HSH Aerospace Finishes (VB4946)
8	Upper Slide Assy	White, Rose Gray / Semi-gloss	Only non-frictional parts of slide have to be painted	Commercially available
9	Lower Slide Assy	White, Rose Gray / Semi-gloss	Only parts non-frictional parts of slide have to be painted	Commercially available

(1) Refer to Manufacturer Names and Addresses section for vendor information.

Trim and Finish For Northwest / Styrian Spirit P/N 15680 -21X, -53Y, -35Y, and -93Y
Table 24/TABLE 25-20-45-870-027-A01

Item No.	Components	Color / Finish	Material Specifications	Source (CAGE) (1)
1	Dress Cover	Gray	P/N: 2041P / 74S2	Lantal Textiles (V0YRK7)
2	Restraint System	Black	503036-401-2251	AM Safe (V35FB9)
		Mouse Gray	503037-401-2845	
		Black Pearl	503037-401-1449	
3	Seat Structure Surfaces	White, Pepperdust / Semi-gloss	Primer With IP750M	HSH Aerospace Finishes (VB4946)

(1) Refer to Manufacturer Names and Addresses section for vendor information.

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Trim and Finish For Northwest / Styrian Spirit P/N 15680 -21X, -53Y, -35Y, and -93Y
 Table 24/TABLE 25-20-45-870-027-A01 (continued)

Item No.	Components	Color / Finish	Material Specifications	Source (CAGE) (1)
4	Upper slide Assy	Pepperdust / F-2.48	Only non-frictional parts of slide have to be painted	Commercially available
5	Lower Slide Assy	Pepperdust / F-2.48	Only non-frictional parts of slide have to be painted	Commercially available
6	Dress Cover	Cool Gray	P/N: 3617D65-41 Upholstery: Leather	Douglass Interior (V0HGX6)
7	Seat Structure Surfaces	White, Pepperdust / Semi-gloss	Primer With IP750M	HSH Aerospace Finishes (VB4946)
8	Upper Slide Assy	Pepperdust / F-2.48	Only non-frictional parts of slide have to be painted	Commercially available
9	Lower Slide Assy	Pepperdust / F-2.48	Only parts non-frictional parts of slide have to be painted	Commercially available
(1) Refer to Manufacturer Names and Addresses section for vendor information.				

Trim and Finish For Lufthansa (CHL) / Eurowings P/N 15680 -11X, -37X, -49AA, -16AA, -67AA, and -69AA
 Table 25/TABLE 25-20-45-870-028-A01

Item No.	Components	Color / Finish	Material Specifications	Source (CAGE) (1)
1	Dress Cover	Gray	P/N: 2041P / 74S2	Lantal Textiles (V0YRK7)
2	Restraint System	Black	503036-401-2251 503037-401-2251	AM Safe (V35FB9)
		Flame Red	503037-401-2267	
3	Seat Structure Surfaces	White, Pepperdust / Semi-gloss	Primer With IP750M	HSH Aerospace Finishes (VB4946)
4	Upper slide Assy	Pepperdust / F-2.48	Only non-frictional parts of slide have to be painted	Commercially available
5	Lower Slide Assy	Pepperdust / F-2.48	Only non-frictional parts of slide have to be painted	Commercially available
6	Dress Cover	Gray	P/N: 7605512LT / Mid Gray	Riedlinger (VC6683)
(1) Refer to Manufacturer Names and Addresses section for vendor information.				

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Trim and Finish For Lufthansa (CHL) / Eurowings P/N 15680 -11X, -37X, -49AA, -16AA, -67AA, and -69AA
Table 25/TABLE 25-20-45-870-028-A01 (continued)

Item No.	Components	Color / Finish	Material Specifications	Source (CAGE) (1)
7	Seat Structure Surfaces	White, Rose Gray / Semi-gloss	Primer With IP750M	HSH Aerospace Finishes (VB4946)
8	Upper Slide Assy	White, Rose Gray / Semi-gloss	Only non-frictional parts of slide have to be painted	Commercially available
9	Lower Slide Assy	White, Rose Gray / Semi-gloss	Only parts non-frictional parts of slide have to be painted	Commercially available
(1) Refer to Manufacturer Names and Addresses section for vendor information.				

Trim and Finish For Palestinian / Fair P/N 15680 -21X and -13AB
Table 26/TABLE 25-20-45-870-029-A01

Item No.	Components	Color / Finish	Material Specifications	Source (CAGE) (1)
1	Dress Cover	Gray	P/N: 2041P / 74S2	Lantal Textiles (V0YRK7)
2	Restraint System	Black	503036-401-2251 503037-401-2251	AM Safe (V35FB9)
3	Seat Structure Surfaces	White, Pepperdust / Semi-gloss	Primer With IP750M	HSH Aerospace Finishes (VB4946)
4	Upper slide Assy	Pepperdust / F-2.48	Only non-frictional parts of slide have to be painted	Commercially available
5	Lower Slide Assy	Pepperdust / F-2.48	Only non-frictional parts of slide have to be painted	Commercially available
6	Dress Cover	Gray / Jacquard	P/N: 2736LS / 760 Airstream	Lantal Textiles (V0YRK7)
7	Seat Structure Surfaces	White, Rose Gray / Semi-gloss	Primer With IP750M	HSH Aerospace Finishes (VB4946)
8	Upper Slide Assy	White, Rose Gray / Semi-gloss	Only non-frictional parts of slide have to be painted	Commercially available
9	Lower Slide Assy	White, Rose Gray / Semi-gloss	Only parts non-frictional parts of slide have to be painted	Commercially available
(1) Refer to Manufacturer Names and Addresses section for vendor information.				

COMPONENT MAINTENANCE MANUAL
15680Trim and Finish For Air Dolomiti P/N 15680 -11X, -55AR, and -57AR
Table 27/TABLE 25-20-45-870-030-A01

Item No.	Components	Color / Finish	Material Specifications	Source (CAGE) (1)
1	Dress Cover	Gray	P/N: 2041P / 74S2	Lantal Textiles (V0YRK7)
2	Restraint System	Black	503036-401-2251	AM Safe (V35FB9)
		Pan and Blue	503037-401-6331	
3	Seat Structure Surfaces	White, Pepperdust / Semi-gloss	Primer With IP750M	HSH Aerospace Finishes (VB4946)
4	Upper slide Assy	Pepperdust / F-2.48	Only non-frictional parts of slide have to be painted	Commercially available
5	Lower Slide Assy	Pepperdust / F-2.48	Only non-frictional parts of slide have to be painted	Commercially available
6	Dress Cover	Agate / Lusterless	P/N: Leather Laccar Nappa GPL4030	Lantal Textiles (V0YRK7)
7	Seat Structure Surfaces	White, Rose Gray / Semi-gloss	Primer With IP750M	HSH Aerospace Finishes (VB4946)
8	Upper Slide Assy	White, Rose Gray / Semi-gloss	Only non-frictional parts of slide have to be painted	Commercially available
9	Lower Slide Assy	White, Rose Gray / Semi-gloss	Only parts non-frictional parts of slide have to be painted	Commercially available

(1) Refer to Manufacturer Names and Addresses section for vendor information.

Trim and Finish For Horizon Air P/N 15680 -21X and -83AC
Table 28/TABLE 25-20-45-870-031-A01

Item No.	Components	Color / Finish	Material Specifications	Source (CAGE) (1)
1	Dress Cover	Gray	P/N: 2041P / 74S2	Lantal Textiles (V0YRK7)
2	Restraint System	Black	503036-401-2251	AM Safe (V35FB9)
		Pearl Black	503037-401-1449	
3	Seat Structure Surfaces	White, Pepperdust / Semi-gloss	Primer With IP750M	HSH Aerospace Finishes (VB4946)

(1) Refer to Manufacturer Names and Addresses section for vendor information.

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Trim and Finish For Horizon Air P/N 15680 -21X and -83AC
Table 28/TABLE 25-20-45-870-031-A01 (continued)

Item No.	Components	Color / Finish	Material Specifications	Source (CAGE) (1)
4	Upper slide Assy	Pepperdust / F-2.48	Only non-frictional parts of slide have to be painted	Commercially available
5	Lower Slide Assy	Pepperdust / F-2.48	Only non-frictional parts of slide have to be painted	Commercially available
6	Dress Cover	Burgundy	P/N: LL3108 Upholstery: Leather	Douglass Interior (V0HGX6)
7	Seat Structure Surfaces	White, pepperdust / Semi-gloss	Primer With IP750M	HSH Aerospace Finishes (VB4946)
8	Upper Slide Assy	White, pepperdust / Semi-gloss	Only non-frictional parts of slide have to be painted	Commercially available
9	Lower Slide Assy	White, pepperdust / Semi-gloss	Only parts non-frictional parts of slide have to be painted	Commercially available

(1) Refer to Manufacturer Names and Addresses section for vendor information.

Trim and Finish For US Airways P/N 15680 -21X, -85AD, and -39AD
Table 29/TABLE 25-20-45-870-032-A01

Item No.	Components	Color / Finish	Material Specifications	Source (CAGE) (1)
1	Dress Cover	Gray	P/N: 2041P / 74S2	Lantal Textiles (V0YRK7)
2	Restraint System	Black	503036-401-2251	AM Safe (V35FB9)
		Cruiser Gray	503037-401-2847	
3	Seat Structure Surfaces	White, Pepperdust / Semi-gloss	Primer With IP750M	HSH Aerospace Finishes (VB4946)
4	Upper slide Assy	Pepperdust / F-2.48	Only non-frictional parts of slide have to be painted	Commercially available
5	Lower Slide Assy	Pepperdust / F-2.48	Only non-frictional parts of slide have to be painted	Commercially available
6	Dress Cover	Gray / Light Embossing	P/N: LT4437	Douglass Interior (V0HGX6)

(1) Refer to Manufacturer Names and Addresses section for vendor information.

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Trim and Finish For US Airways P/N 15680 -21X, -85AD, and -39AD
 Table 29/TABLE 25-20-45-870-032-A01 (continued)

Item No.	Components	Color / Finish	Material Specifications	Source (CAGE) (1)
7	Seat Structure Surfaces	White, Taupe / Semi-gloss	Primer With IP750M	HSH Aerospace Finishes (VB4946)
8	Upper Slide Assy	White, Taupe / Semi-gloss	Only non-frictional parts of slide have to be painted	Commercially available
9	Lower Slide Assy	White, Taupe / Semi-gloss	Only parts non-frictional parts of slide have to be painted	Commercially available
(1) Refer to Manufacturer Names and Addresses section for vendor information.				

Trim and Finish For Skywest / Comlux P/N 15680 -21X, -37X, -87AE, -73AE, and -97AE
 Table 30/TABLE 25-20-45-870-033-A01

Item No.	Components	Color / Finish	Material Specifications	Source (CAGE) (1)
1	Dress Cover	Gray	P/N: 2041P / 74S2	Lantal Textiles (V0YRK7)
2	Restraint System	Black	503036-401-2251	AM Safe (V35FB9)
		Pearl Black	503037-401-1449	
		Leather Blue	504813-401-3294	
3	Seat Structure Surfaces	White, Pepperdust / Semi-gloss	Primer With IP750M	HSH Aerospace Finishes (VB4946)
4	Upper slide Assy	Pepperdust / F-2.48	Only non-frictional parts of slide have to be painted	Commercially available
5	Lower Slide Assy	Pepperdust / F-2.48	Only non-frictional parts of slide have to be painted	Commercially available
6	Dress Cover	Skywest Blue / None	P/N: 1283	Perrone (V49U11)
7	Seat Structure Surfaces	White, Taupe or Pepperdust / Semi-gloss	Primer With IP750M	HSH Aerospace Finishes (VB4946)
(1) Refer to Manufacturer Names and Addresses section for vendor information.				



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Trim and Finish For Skywest / Comlux P/N 15680 -21X, -37X, -87AE, -73AE, and -97AE
Table 30/TABLE 25-20-45-870-033-A01 (continued)

Item No.	Components	Color / Finish	Material Specifications	Source (CAGE) (1)
8	Upper Slide Assy	White, Taupe or Pepperdust / Semi-gloss	Only non-frictional parts of slide have to be painted	Commercially available
9	Lower Slide Assy	White, Taupe or Pepperdust / Semi-gloss	Only parts non-frictional parts of slide have to be painted	Commercially available
(1) Refer to Manufacturer Names and Addresses section for vendor information.				

Trim and Finish For Air Canada P/N 15680 -21X and -89AF
Table 31/TABLE 25-20-45-870-034-A01

Item No.	Components	Color / Finish	Material Specifications	Source (CAGE) (1)
1	Dress Cover	Gray	P/N: 2041P / 74S2	Lantal Textiles (V0YRK7)
2	Restraint System	Black	503036-401-2251	AM Safe (V35FB9)
		Metro Gray	503037-401-2849	
3	Seat Structure Surfaces	White, Pepperdust / Semi-gloss	Primer With IP750M	HSH Aerospace Finishes (VB4946)
4	Upper slide Assy	Pepperdust / F-2.48	Only non-frictional parts of slide have to be painted	Commercially available
5	Lower Slide Assy	Pepperdust / F-2.48	Only non-frictional parts of slide have to be painted	Commercially available
6	Dress Cover	Gray / Durable	P/N: Siena 5400 Elephant	Avianor (V39052)
7	Seat Structure Surfaces	White, Taupe / Semi-gloss	Primer With IP750M	HSH Aerospace Finishes (VB4946)
8	Upper Slide Assy	White, Taupe / Semi-gloss	Only non-frictional parts of slide have to be painted	Commercially available
9	Lower Slide Assy	White, Taupe / Semi-gloss	Only parts non-frictional parts of slide have to be painted	Commercially available
(1) Refer to Manufacturer Names and Addresses section for vendor information.				

COMPONENT MAINTENANCE MANUAL
15680Trim and Finish For Styrian Airways / AMR P/N 15680 -21X, -95AG, -37X, -39AG, and -59AG
Table 32/TABLE 25-20-45-870-035-A01

Item No.	Components	Color / Finish	Material Specifications	Source (CAGE) (1)
1	Dress Cover	Gray	P/N: 2041P / 74S2	Lantal Textiles (V0YRK7)
2	Restraint System	Dark Moss Green	503037-401-2051	AM Safe (V35FB9)
3	Seat Structure Surfaces	White, Pepperdust / Semi-gloss	Primer With IP750M	HSH Aerospace Finishes (VB4946)
4	Upper slide Assy	Pepperdust / F-2.48	Only non-frictional parts of slide have to be painted	Commercially available
5	Lower Slide Assy	Pepperdust / F-2.48	Only non-frictional parts of slide have to be painted	Commercially available
6	Dress Cover	Gray Goose/ Leather	P/N: Skyline #2324	Perrone (V49U11)
7	Seat Structure Surfaces	White, Pepperdust / Semi-gloss	Primer With IP750M	HSH Aerospace Finishes (VB4946)
8	Upper Slide Assy	Pepperdust / F-2.48	Only non-frictional parts of slide have to be painted	Commercially available
9	Lower Slide Assy	Pepperdust / F-2.48	Only parts non-frictional parts of slide have to be painted	Commercially available
(1) Refer to Manufacturer Names and Addresses section for vendor information.				

Trim and Finish For Delta P/N 15680 -21X, -73AJ, and -83AJ
Table 33/TABLE 25-20-45-870-036-A01

Item No.	Components	Color / Finish	Material Specifications	Source (CAGE) (1)
1	Dress Cover	Gray	P/N: 2041P / 74S2	Lantal Textiles (V0YRK7)
2	Restraint System	Black	503036-401-2251	AM Safe (V35FB9)
		Pearl Black	503037-401-1449	
3	Seat Structure Surfaces	White, Pepperdust / Semi-gloss	Primer With IP750M	HSH Aerospace Finishes (VB4946)
4	Upper slide Assy	Pepperdust / F-2.48	Only non-frictional parts of slide have to be painted	Commercially available
(1) Refer to Manufacturer Names and Addresses section for vendor information.				

COMPONENT MAINTENANCE MANUAL
15680Trim and Finish For Delta P/N 15680 -21X, -73AJ, and -83AJ
Table 33/TABLE 25-20-45-870-036-A01 (continued)

Item No.	Components	Color / Finish	Material Specifications	Source (CAGE) (1)
5	Lower Slide Assy	Pepperdust / F-2.48	Only non-frictional parts of slide have to be painted	Commercially available
6	Dress Cover	Enchanted Blue	P/N: 2227FW Upholstery: Leather	Perrone (V49U11)
7	Seat Structure Surfaces	White, Pepperdust / Semi-gloss	Primer With IP750M	HSH Aerospace Finishes (VB4946)
8	Upper Slide Assy	Pepperdust / F-2.48	Only non-frictional parts of slide have to be painted	Commercially available
9	Lower Slide Assy	Pepperdust / F-2.48	Only parts non-frictional parts of slide have to be painted	Commercially available

(1) Refer to Manufacturer Names and Addresses section for vendor information.

Trim and Finish For Lufthansa (CHL) / Eurowings P/N 15680 -11X, -37X, -49AU, -16AU, -67AU, and -69AU
Table 34/TABLE 25-20-45-870-037-A01

Item No.	Components	Color / Finish	Material Specifications	Source (CAGE) (1)
1	Dress Cover	Gray	P/N: 2041P / 74S2	Lantal Textiles (V0YRK7)
2	Restraint System	Black	503036-401-2251 503037-401-2251	AM Safe (V35FB9)
		Flame Red	503037-401-2267	
3	Seat Structure Surfaces	White, Pepperdust / Semi-gloss	Primer With IP750M	HSH Aerospace Finishes (VB4946)
4	Upper slide Assy	Pepperdust / F-2.48	Only non-frictional parts of slide have to be painted	Commercially available
5	Lower Slide Assy	Pepperdust / F-2.48	Only non-frictional parts of slide have to be painted	Commercially available
6	Dress Cover	Gray	P/N: 2041P / 74S2 Upholstery: Leather	Lantal Textiles (V0YRK7)
7	Seat Structure Surfaces	White, Rose Gray / Semi-gloss	Primer With IP750M	HSH Aerospace Finishes (VB4946)

(1) Refer to Manufacturer Names and Addresses section for vendor information.

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Trim and Finish For Lufthansa (CHL) / Eurowings P/N 15680 -11X, -37X, -49AU, -16AU, -67AU, and -69AU
 Table 34/TABLE 25-20-45-870-037-A01 (continued)

Item No.	Components	Color / Finish	Material Specifications	Source (CAGE) (1)
8	Upper Slide Assy	White, Rose Gray / Semi-gloss	Only non-frictional parts of slide have to be painted	Commercially available
9	Lower Slide Assy	White, Rose Gray / Semi-gloss	Only parts non-frictional parts of slide have to be painted	Commercially available

(1) Refer to Manufacturer Names and Addresses section for vendor information.

Trim and Finish For Delta (Comfort Plus) P/N 15680 -99AV, -101AV, -103AV, -105AV, -107AV, -109AV, -111AV, -113AV, -115AV, -117AV, and -119AV
 Table 35/TABLE 25-20-45-870-038-A01

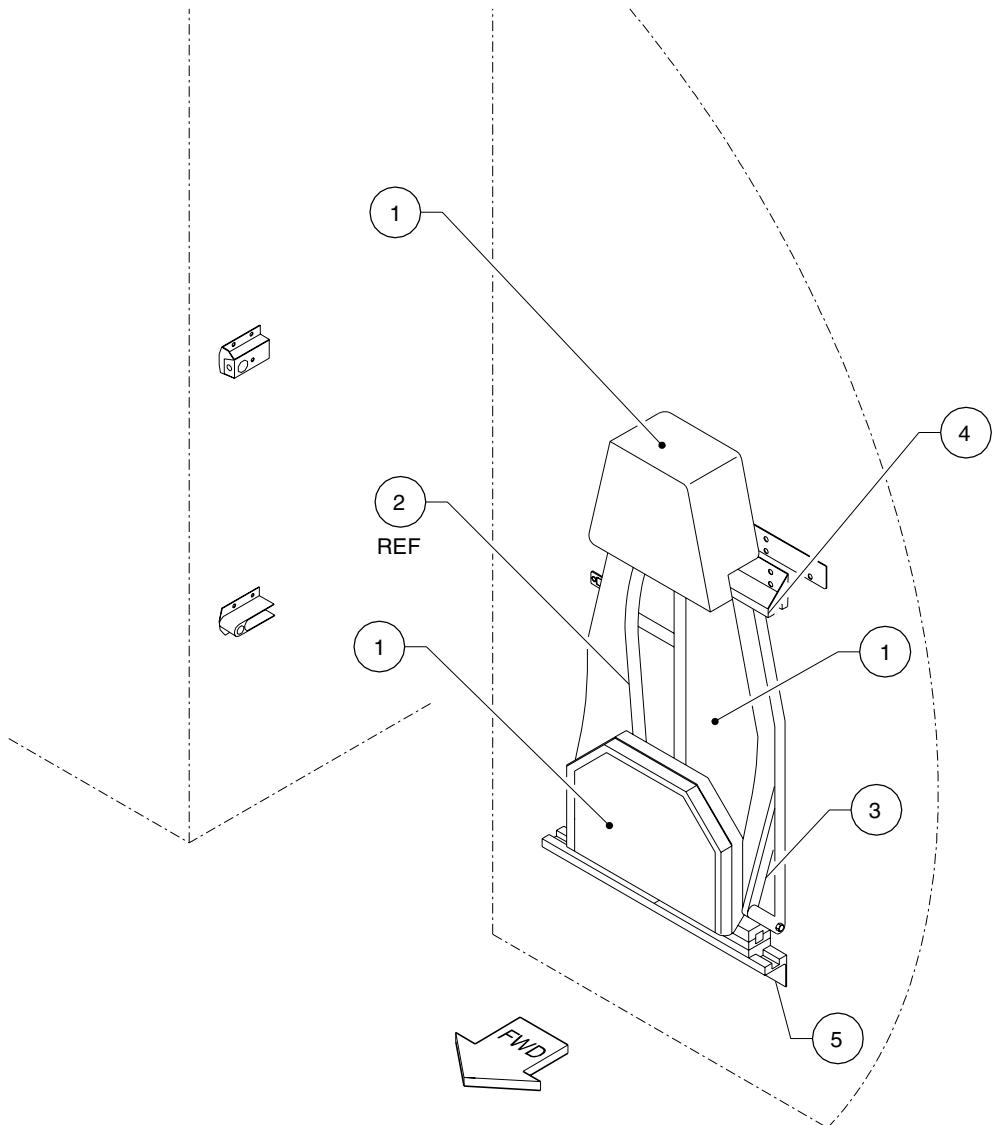
Item No.	Components	Color / Finish	Material Specifications	Source (CAGE) (1)
6	Dress Cover	Enchanted Blue	P/N: SL3UL 09-1260 Blue 023 Material: Leather	E-Leather (VKD3K1)
		Delta Red	P/N: SL3UL Delta Red 023 Material: Leather	
2	Restraint System	Black	503037-401-2251	AM Safe (V35FB9)
		Cruiser Grey	503037-401-2847	
		Pearl Black	503037-401-1449	
7	Seat Structure Surfaces	White, Taupe / Semi-gloss	Primer With IP750M	HSH Aerospace Finishes (VB4946)
		White, Rose Gray / Semi-gloss	Primer With IP750M	
		White, Pepperdust / Semi-gloss	Primer With IP750M	

(1) Refer to Manufacturer Names and Addresses section for vendor information.

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Trim and Finish For Delta (Comfort Plus) P/N 15680 -99AV, -101AV, -103AV, -105AV, -107AV, -109AV, -111AV, -113AV, -115AV, -117AV, and -119AV
 Table 35/TABLE 25-20-45-870-038-A01 (continued)

Item No.	Components	Color / Finish	Material Specifications	Source (CAGE) (1)
8	Slide Assemblies	White, Taupe / Semi-gloss or White, Rose Gray / Semi-gloss or White, Pepperdust / Semi-gloss	Only non-frictional parts of slide have to be painted	Commercially available
9	Slide Assemblies	White, Taupe / Semi-gloss or White, Rose Gray / Semi-gloss or White, Pepperdust / Semi-gloss	Only non-frictional parts of slide have to be painted	Commercially available
(1) Refer to Manufacturer Names and Addresses section for vendor information.				

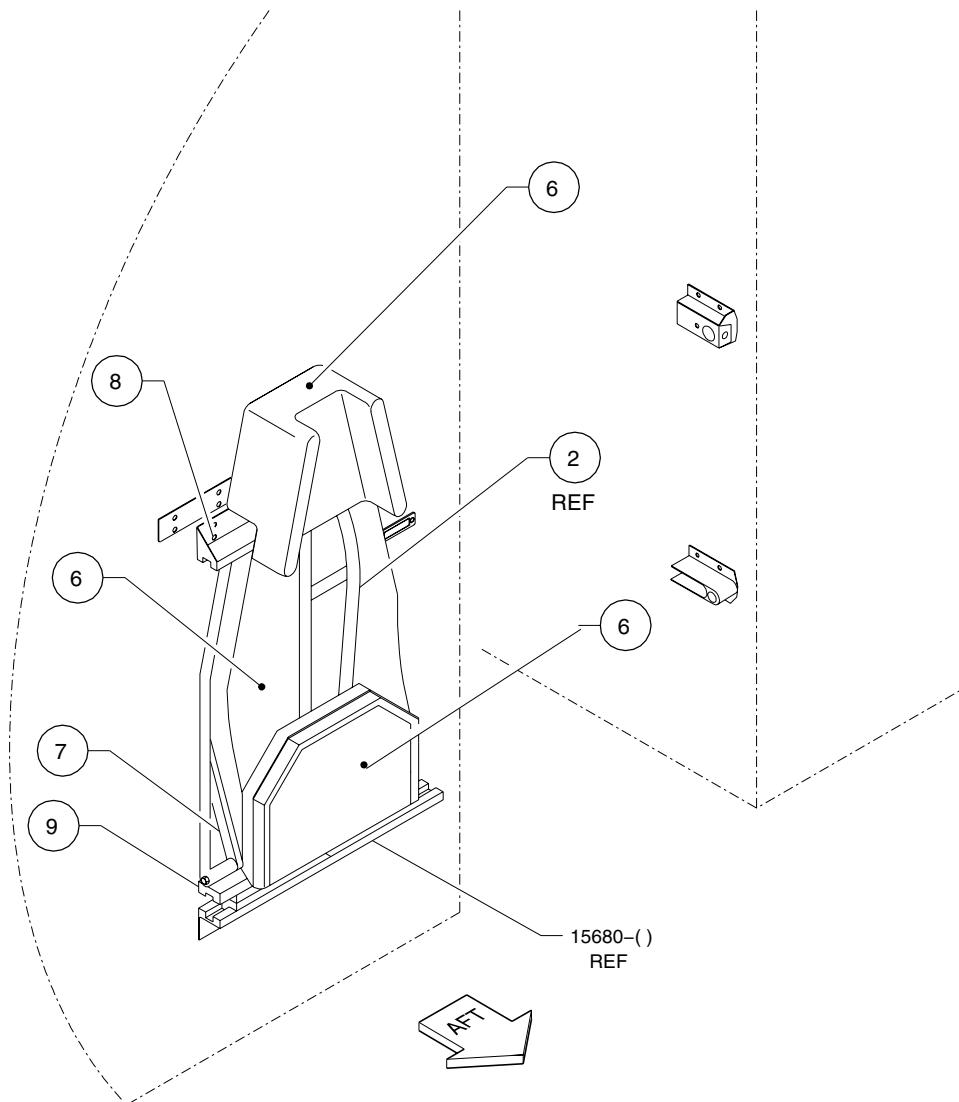
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15680Trim and Finish - Observer Seat
Figure 4/GRAFIC 25-20-45-870-004-A01

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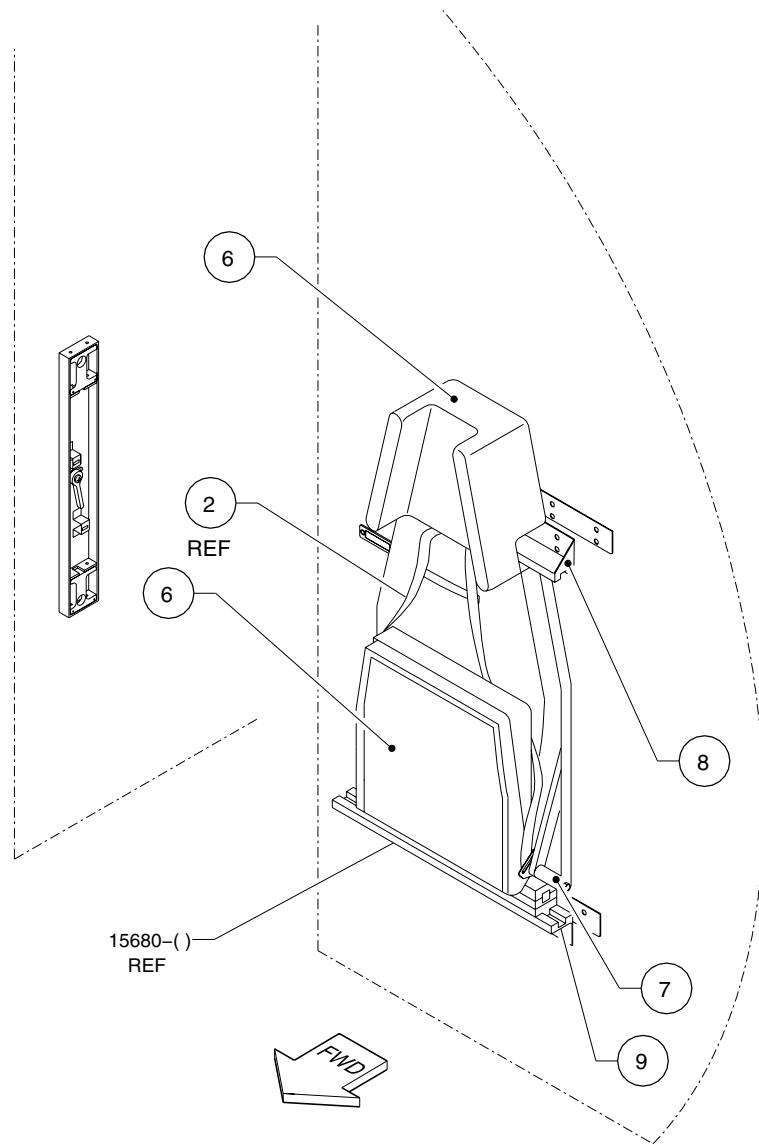
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Trim and Finish - Forward Attendant Seat
Figure 5/GRAFIC 25-20-45-870-005-A01

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15680Trim and Finish - Aft Attendant Seat
Figure 6/GRAFIC 25-20-45-870-006-A01

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TESTING AND FAULT ISOLATION

TASK 25-20-45-99F-804-A01

1. Testing

A. Testing

- | (1) No special test equipment is required to test the Observer and Attendant Seat Assemblies although a fixture to simulate the mounting provisions of the aircraft is recommended.

B. Test Condition

- | (1) Testing is to be conducted at temperature of 57 to 97 °F (13.9 to 36.1 °C) with relative humidity of 90% maximum.

C. Operational Tests

- | (1) Lower the seat bottom to the in use position. There shall be no roughness or binding.
- | (2) Release the seat bottom so that it returns to the stowed position. The seat bottom shall fold up with no evidence of roughness or binding.
- | (3) Verify that the bayonet assembly aligns with and properly engages both the upper and lower bayonet receptacles simultaneously.
- | (4) Verify that release bracket on upper bayonet receptacle for the observer and fwd attendant seat assemblies operates smoothly and that the bayonet assembly disengages properly.
- | (5) Verify that the latch mechanism for the aft attendant seat assembly operates smoothly and that the bayonet assembly disengages properly.

TASK 25-20-45-810-801-A01

2. Fault Isolation

A. Isolate faults in the Observer and Attendant Seat Assemblies in accordance with Fault Isolation Chart, Table 1001.

Fault Isolation Chart
Table 1001/TABLE 25-20-45-810-001-A01

Fault	Probable Cause	Remedy
Operational Test, Para 1.C.		
Seat bottom does not fold down or does not fold up when released.	Broken or defective return springs: binding in pivot mechanism.	Check for proper installation of pivot mechanism; replace return springs (195, 200, IPL Figs. 2, 4), (200, 205, IPL Figure 3) as required.
Bayonet assembly not aligned with bayonet receptacles; does not engage receptacles simultaneously.	Seat mounting brackets / slide assemblies not properly aligned.	Align seat mounting provisions with Tool No. T19608.

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Fault Isolation Chart

Table 1001/TABLE 25-20-45-810-001-A01 (continued)

Fault	Probable Cause	Remedy
Upper bayonet release bracket binding; not properly disengaging.	Broken or defective spring, loose attaching hardware.	Replace spring (40, IPL Figure 6); check all screws for security of installation.
Latch mechanism (on aft attendant seat assemblies) binding, not properly disengaging.	Broken or defective spring, latch pin, loose attaching hardware.	Replace spring (55, IPL Figure 7), latch pin (60); check cotter pins, clevis pins, shoulder screws for security of attachment.

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DISASSEMBLY

TASK 25-20-45-99F-805-A01

1. General

- A. Use of these instructions is limited to the extent necessary to correct a malfunction or incorporate a modification. Accomplish test procedure detailed in TESTING AND FAULT ISOLATION before to any disassembly. If requirements of test cannot be attained, disassemble only as necessary to take corrective action required to return unit to a serviceable and reliable status.
- B. Partial maintenance may actually be performed without removing the particular Observer and Attendant Seat Assemblies from the aircraft. If partial disassembly of a component is necessary, comply with applicable portions of the instructions in this section.
- C. Complete disassembly of the Observer and Attendant Seat Assemblies is neither anticipated nor recommended. Remove only those parts required to gain access to worn or damaged parts requiring replacement.
- D. Proceed with disassembly as outlined below, referring to the exploded view illustrations in the ILLUSTRATED PARTS LIST (IPL) portion of this manual, noting that attaching parts are listed immediately following the parts which they attach.

NOTE: Carefully inspect all riveted, spot - welded, or bonded assemblies and components prior to disassembly or removal. Do not remove these items unless required by damage or other need for replacement. If replacement is required, refer to the applicable portions of REPAIR for detailed instructions.

CAUTION: DISASSEMBLE THE SEAT ASSEMBLY IN A CLEAN, WELL-ILLUMINATED AREA. PROTECT COMPONENTS FROM DIRT OR OTHER DAMAGE BY PLACING IN A CLEAN CONTAINER AFTER DISASSEMBLY.

TASK 25-20-45-010-801-A01

2. Removal

- A. Removal of the Observer and Attendant Seat Assemblies is not necessary for normal maintenance procedures such as removal of cushions or dress covers for cleaning. Removal is not anticipated with the exception of periodic major overhaul of the aircraft or modifications in the flight deck that may necessitate removing the Observer and Attendant Seat Assemblies.
- B. If necessary, remove the observer seat assembly as follows (refer to IPL Figure 1):
 - (1) Remove retainer latch assembly (14) by removing two screws.
 - (2) Remove seat assembly from bulkhead by removing customer furnished bolts, nuts and washers. Remove upper and lower shims (5 or 5A, and 10 or 10A) as applicable for the seat assemblies by removing customer furnished attaching hardware.
 - (3) If necessary, remove upper bayonet receptacle assembly (16) and lower bayonet fitting assembly (25A) for the observer seat assemblies by removing customer furnished attaching hardware. Remove upper bayonet receptacle (16A) and lower bayonet fitting assembly (25C) as applicable for the seat assemblies by removing customer furnished attaching hardware.

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- (4) If applicable to the seat assemblies, remove the strap assembly (-19) by removing screw (-20), and remove the spacer (-21).
- (5) If applicable to the seat assemblies, remove the pouch assembly (-22) by removing screws (-23) and washers (-24).
- (6) Refer to DISASSEMBLY Para 3.E for additional instructions pertaining to upper bayonet receptacle assembly (16 thru -16B).
- (7) For the aft attendant seat assemblies, remove latch installation (30) by removing customer furnished attaching hardware.
- (8) Refer to DISASSEMBLY, Para 3.F for additional instructions pertaining to latch installation (30 and -30A).

C. If necessary, remove the observer seat assembly as follows (refer to IPL Figure 1A):

- (1) Remove retainer latch assembly (15).
- (2) Remove seat assembly from bulkhead by removing customer furnished bolts, nuts and washers. Remove upper and lower shims (5 or 5A, and 10 or 10A) as applicable for the seat assemblies by removing customer furnished attaching hardware.
- (3) If necessary, remove upper bayonet receptacle (20) and lower bayonet fitting assembly (25) for the forward attendant seat assemblies, by removing customer furnished attaching hardware.
- (4) Refer to DISASSEMBLY Para 3.E for additional instructions pertaining to upper bayonet receptacle assembly (20).
- (5) For the aft attendant seat assemblies, remove latch installation (30) by removing customer furnished attaching hardware.
- (6) Refer to DISASSEMBLY, Para 3.F for additional instructions pertaining to latch installation (30).

TASK 25-20-45-000-801-A01

3. Disassembly Procedures

SUBTASK 25-20-45-040-001-A01

A. Disassemble the observer seat assemblies as follows (refer to IPL Figure 2):

- (1) Remove headrest assembly (10) by pulling upward.
- (2) If necessary for cleaning or repair, remove dress cover (15) and closeout cover assembly (25).
- (3) Remove restraint system (30) by removing two screws (35) with washers (40) at the inertial reel.

NOTE: Only the shoulder harness and inertia reel can be removed at this point. The lap belts are anchored at the seat bottom and back structure pivot point.

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CAUTION: REMOVE UPPER AND LOWER SLIDE ASSEMBLIES (45 THRU -45B, AND 95 THRU -95B) FROM SEAT ASSEMBLY. REMOVAL/REPLACEMENT OF UPPER OR LOWER SLIDE ASSEMBLIES REQUIRES THE RETURN OF SEAT ASSEMBLIES TO SAFRAN SEATS USA LLC WITH THE APPLICABLE PART NUMBER WITH TRIM AND FINISH CODE FOUND IN THE IDENTIFICATION PLACARD FOR REALIGNMENT OF THE SEAT SLIDE ASSEMBLIES WITH ALIGNMENT FIXTURE.

- (4) Extend the upper slide assembly for disassembly and remove wall mounting bracket assembly (75), slide insert (80 and 85) and duplex channel assembly (90) with stop screws (65).
- (5) Extend the lower slide assembly for disassembly and remove wall mounting bracket assembly (125), slide insert (130 and 135) and duplex channel assembly (140) with stop screws (115).
- (6) If necessary, remove upholstered back assembly (150) from upholstered bottom assembly (215) by loosening bolts (155) with nuts (160) and washers (165 and 170) sufficient to free captured arm of return spring (195 and 200). Remove bolts (175), nuts (180), washers (185) and fitting end of lap belts. Remove spring cover (190), return springs (195 and 200), spring sleeves (205) and washers (210).
- (7) Refer to DISASSEMBLY, Para 3.D for instructions pertaining to upholstered back assembly (150 thru -150B).
- (8) If necessary for cleaning or repair, remove seat bottom dress cover (225).

SUBTASK 25-20-45-040-002-A01

B. Disassemble the fwd attendant seat assemblies as follows (refer to IPL Figure 3):

- (1) Remove headrest assembly (10) by pulling upward.
- (2) If necessary for cleaning or repair, remove dress cover (15) and closeout cover assembly (25).
- (3) Remove restraint system (30) by removing two bolts (35) and nuts (40) with washers (45).

NOTE: Only the shoulder harness can be removed at this point. The lap belts are anchored at the seat bottom and back structure pivot point.

CAUTION: REMOVE UPPER AND LOWER SLIDE ASSEMBLIES (50 THRU -50B, AND 100 THRU -100B) FROM SEAT ASSEMBLY. REMOVAL/REPLACEMENT OF UPPER OR LOWER SLIDE ASSEMBLIES REQUIRES THE RETURN OF SEAT ASSEMBLIES TO SAFRAN SEATS USA LLC WITH THE APPLICABLE PART NUMBER WITH TRIM AND FINISH CODE FOUND IN THE IDENTIFICATION PLACARD FOR REALIGNMENT OF THE SEAT SLIDE ASSEMBLIES WITH ALIGNMENT FIXTURE.

- (4) Extend the upper slide assembly for disassembly and remove wall mounting bracket assembly (80), slide insert (85 and 90) and duplex channel assembly (95) with stop screws (70).
- (5) If necessary, remove rulon (96).
- (6) Extend the lower slide assembly for disassembly and remove wall mounting bracket assembly (130), slide insert (135 and 140) and duplex channel assembly (145) with stop screws (120).
- (7) If necessary, remove rulon (147).

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- (8) If necessary, remove upholstered back assembly (155) from upholstered bottom assembly (220) by loosening bolts (160) with nuts (165), washers (170 and 175) sufficient to free captured arm of return spring (200 and 205). Remove bolts (180), nuts (185), washers (190) and fitting end of lap belts. Remove spring cover (195), return springs (200 and 205), spring sleeves (210) and washers (215).
- (9) Refer to DISASSEMBLY, Para 3.D for instructions pertaining to upholstered back assembly (155 thru -155A).
- (10) If necessary for cleaning or repair, remove seat bottom dress cover (225).

SUBTASK 25-20-45-040-003-A01

C. Disassemble the aft attendant seat assemblies as follows (refer to IPL Figure 4):

- (1) Remove headrest assembly (10) by pulling upward.
- (2) If necessary for cleaning or repair, remove dress cover (15) and closeout cover assembly (25).
- (3) Remove restraint system (30) by removing two bolts (35) with nuts (40) with washers (45).

NOTE: Only the shoulder harness and inertia reel can be removed at this point. The lap belts are anchored at the seat bottom and back structure pivot point.

CAUTION: REMOVE UPPER AND LOWER SLIDE ASSEMBLIES (50 THRU -50C, AND 100 THRU -100C) FROM SEAT ASSEMBLY. REMOVAL/REPLACEMENT OF UPPER OR LOWER SLIDE ASSEMBLIES REQUIRES THE RETURN OF SEAT ASSEMBLIES TO SAFRAN SEATS USA LLC WITH THE APPLICABLE PART NUMBER WITH TRIM AND FINISH CODE FOUND IN THE IDENTIFICATION PLACARD FOR REALIGNMENT OF THE SEAT SLIDE ASSEMBLIES WITH ALIGNMENT FIXTURE.

- (4) Extend the upper slide assembly for disassembly and remove wall mounting bracket assembly (80), slide insert (85 and 90) and duplex channel assembly (95) with stop screws (70).
- (5) If necessary, remove rulon (96).
- (6) Extend the lower slide assembly for disassembly and remove wall mounting bracket assembly (130), slide insert (135 and 140) and duplex channel assembly (145) with stop screws (120).
- (7) If necessary, remove rulon (147).
- (8) If necessary, remove upholstered back assembly (155) from upholstered bottom assembly (215) by loosening nuts (160) with washers (165 and 170) sufficient to free captured arm of return spring (195 and 200). Remove bolts (175), nuts (180), washers (185) and fitting end of lap belts. Remove spring cover (190), return springs (195 and 200), spring sleeves (205) and washers (210).
- (9) Refer to DISASSEMBLY, Para 3.D for instructions pertaining to upholstered back assembly (155 thru -155B).

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(10) If necessary for cleaning or repair, remove seat bottom dress cover (225).

SUBTASK 25-20-45-040-004-A01

D. Disassemble upholstered back assembly as follows (refer to IPL Figure 5):

(1) Remove dress cover (10) if necessary for cleaning or replacement.

CAUTION: DISASSEMBLY OF THE BACK STRUCTURE ASSEMBLY IS NOT RECOMMENDED UNLESS THE SEAT HAS BEEN SUBJECTED TO UNUSUALLY HIGH ACCELERATIONS OR IMPACT RESULTING IN SUSPECT STRUCTURAL INTEGRITY.

(2) If necessary, disassemble back structure assembly (35) as follows:

- Drive out shear pins (40) and remove bayonet assembly (45) by removing nuts (50), washers (55), upper screw (60) and lower screw (65). Remove roller (70), spacer (75) and handle strap assembly (80).
- Remove bayonet assemblies (85) by removing nuts (90), washers (95) and screws (100).
- Drive out shear pins (105 and 110) and remove retainers (115).

NOTE: Refer to CLEANING section to clean metal parts.

SUBTASK 25-20-45-040-005-A01

E. Disassemble upper bayonet receptacle assembly as follows (refer to IPL Figure 6):

- Remove release bracket assembly (5) by removing screw (10) with nylon washer (15) and screw (20) with washer (25).
- Remove spring pin (30) and remove latch pin assembly (35), spring (40) and washer (45) from bayonet fitting assembly (50).
- If necessary for replacement, remove bushing (55) and helicoil insert (60) from fitting (65).

SUBTASK 25-20-45-040-006-A01

F. Latch Installation (refer to IPL Figure 7):

- Remove handle (5) by removing shoulder screw (10).
- Remove cotter pins (15), clevis pins (20) and washers (25). Remove shoulder screws (30) to remove link (35) and lever (40).
- Remove spring pin (45) and remove plug (50), spring (55) and latch pin (60) from bayonet receptacle fitting assembly (65 and 70).
- If necessary remove bayonet receptacle fitting assembly (65 and 70) from mounting channel assembly (85) by removing screws (75) and washers (80).

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CLEANING

TASK 25-20-45-99F-806-A01

 1. General

SUBTASK 25-20-45-100-001-A01

A. Thorough cleaning is an essential prelude to any close inspection to determine existence of, extent of, and exact location of defects. Cleaning also removes accumulations and deposits of residue which can adversely affect performance of the equipment.

TASK 25-20-45-940-802-A01

 2. Cleaning Materials

WARNING: KEEP CLEANING SOLVENTS AWAY FROM SPARKS OR OPEN FLAME. AVOID INHALING FUMES OR PROLONGED CONTACT OF SOLVENT WITH SKIN. PROVIDE ADEQUATE VENTILATION.

SUBTASK 25-20-45-94A-002-A01

A. Recommended cleaning materials are listed in Table 4001. Equivalent materials that do not react with the area being cleaned may be substituted for items listed.

Cleaning Materials
Table 4001/TABLE 25-20-45-94A-001-A01

Material	Identification	Source (1)
Aliphatic Naphtha	Federal Specification TT-N-95	Commercially available
Corrosion Removing	Federal Specification	Commercially available
Compound	MIL-C-38334	Commercially available
Detergent Activator For	No. 195	Commercially available
Stoddard Solvent	(For Stoddard Solvent) No. G84 (For Perchloroethylene)	Commercially available
Methyl Ethyl Ketone (MEK)	Federal Specification TT-M-2616	Commercially available
Perchloroethylene	Federal Specification O-T-236	Commercially available
Solvent Degreaser	Federal Specification MIL-D-12391	Commercially available
Stoddard Solvent	Federal Specification PP-S-600	Commercially available
Upholstery Shampoo	DuPont Dry Cleaner	Dupont E.I. Nemours Co., INC. (V0VYR8)
(1) Refer to Manufacturer Names and Addresses section for vendor information.		

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WARNING: **METHYL-ETHYL-KETONE (MEK) IS POISONOUS AND FLAMMABLE. PREVENT EYE AND SKIN CONTACT AND DO NOT BREATHE THE VAPORS. KEEP AWAY FROM HEAT AND OPEN FLAME. USE IN A WELL- VENTILATED AREA. DO NOT TAKE INTERNALLY. WEAR GLOVES AND USE DISCRETION TO AVOID VAPOR CONTACT WITH EYES AND NOSE. USE OF RESPIRATOR AND GOGGLES IS ADVISED.**

TASK 25-20-45-100-801-A01

3. Cleaning Procedures

A. Non-Upholstered

- (1) Clean plastic or naugahyde surfaces by wiping with a damp cloth.

WARNING: **ALIPHATIC NAPHTHA IS FLAMMABLE. USE ONLY IN A WELL VENTILATED AREA AND AWAY FROM OPEN FLAME. AVOID PROLONGED OR REPEATED CONTACT WITH SKIN OR INHALATION OF VAPORS. USE STANDARD SAFETY PRECAUTIONS FOR HANDLING FLAMMABLE MATERIAL.**

- (2) Clean metal components with aliphatic naphtha. Dry with a clean, lint-free cloth or allow to air dry.
- (3) Remove any stains or deposits on non - electrical metal parts not removed by Aliphatic Naphtha with a cloth moistened with Stoddard solvent.
- (4) Remove any signs of corrosion with corrosion removing compound.

B. Upholstery

CAUTION: **SEAT COVERS MUST BE DRY CLEANED ONLY. REMOVAL OF SMALL STAINS, ETC. IS COVERED IN STEPS (1) THRU (4) BELOW. COMPLETE CLEANING IS COVERED IN STEPS (3) AND SUBSEQUENT.**

- (1) Vacuum upholstery thoroughly or brush with a medium stiff bristle upholstery or clothes brush. Do not pound or beat upholstered covers as this does not effectively clean the upholstery and can hasten its wear.
- (2) Remove dry or water-borne soil with concentrated detergent preparations, commonly called upholstery shampoo. Mix upholstery shampoo as directed on container and apply to a small area (approximately one square foot) with a small clean brush. Liberal application will assist in loosening deep-seated dirt. Steam may also be used to assist in removing the stain.

WARNING: **USE SOLVENT-TYPE CLEANING AGENTS IN WELL VENTILATED AREA. AVOID BREATHING SOLVENT VAPORS AND PROLONGED SOLVENT CONTACT WITH SKIN. OBSERVE APPROPRIATE FIRE PRECAUTIONS.**

- (3) Oil-type grease spots are best removed with solvent-type cleaning fluid such as DuPont Cleaner or with solvent impregnated Powderene powder. Test the material to be cleaned by first applying cleaning agent to a small inconspicuous area of the material. Use cleaning agents sparingly, without saturating fabric, to avoid spotting and damage. Apply cleaning agent with a soft clean cloth and avoid spreading any stains by working from outer edges toward center of stain.

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(4) After using upholstery shampoo or solvent-type cleaning agent, roll a clean, turkish towel, or other absorbent cloth, into a cylindrical shape and wipe off detergent and dirt. Rotate rolled cloth frequently to present a clean section to the fabric surface.

NOTE: Dirt and soil are absorbed or transferred to the clean towel from the fabric. Vigorous rubbing may be required to obtain even soil removal and to avoid spotty or blotchy appearance after drying.

(5) Prepare seat covers for dry cleaning by covering all hook tape with corresponding pile tape. Heavy stains should be pretreated as outlined in steps (2) and (3) above. Turn seat covers inside out during actual dry cleaning procedure.

CAUTION: TO AVOID SHRINKAGE AND LOSS OF FLAME RESISTANCE, SEAT COVERS MUST NEVER BE WASHED. USE ONLY APPROVED DRY CLEANING METHODS.

(6) Dry clean seat covers in Perchloroethylene or Stoddard solvent with addition of 1/2% commercial detergent activator. Use activator per manufacturer's instructions. Use cleaning solvent cold in room temperature drum.

NOTE: Water content of cleaning solution must not exceed 0.8%. If water content exceeds this proportion, there is possibility of fabric shrinkage.

(7) Extract solvent by spin drying followed by hot air drying at 90 to 110 degrees F for 20 to 40 minutes. After completion of dry cleaning process, waterbound stains can be removed secondarily with steam and detergent preparations as outlined in step (2) above.

C. Polycarbonate Material Parts

CAUTION: DO NOT USE CHLORINATED SOLVENTS, MEK, ACETONE AND/OR STRONG DETERGENTS WITH HIGH AMMONIA OR ALKALINE CONTENTS.

(1) Clean surfaces by wiping with a cloth dampened with recommended cleaners listed in Table 4001.

(2) Dry with a clean, lint-free cloth or allow to air dry.

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CHECK

TASK 25-20-45-99F-807-A01

1. General

NOTE: Establish requirements of any service bulletins applicable to this equipment. During check, determine which service bulletins, if any, are to be incorporated.

- A. A preliminary examination before initial cleaning will facilitate location of obvious defects.
- B. All hardware, piece parts, minor assemblies and minor subassemblies are to be visually examined using a strong light and preferably some means of magnification.
- C. Visually examine parts for nicks, cracks, cuts, corrosion, crossed and stripped threads, scoring, wear, and obvious defects that could impair efficient seat operation.

TASK 25-20-45-210-802-A01

2. Check

SUBTASK 25-20-45-210-001-A01

A. Visual Examinations

- (1) Check parts for nicks, cracks, cuts, corrosion, crossed and stripped threads, scoring, wear, and obvious defects that could impair efficient seat operation.
- (2) Check sewn seams for fraying or separation.
- (3) Check fabric and plastic for fraying, scuffing, and rips.
- (4) Check attaching bolts, nuts, screws, and pins for tightness and seat mounting hardware for wear or deformation.
- (5) Check helicoil inserts for damage and security of installation.
- (6) Check structural parts including clips, brackets, and machined parts for damage, cracks, and burrs or sharp nicks.

NOTE: Burrs are defined as material raised above the normal surface, which if not removed would prevent complete and proper mating of parts and sealing surfaces. Where nicks or scratches allow bare metal to show through a protective finish, note defect and assign part for repair. Dents or other damage must not impair finish or functional operation of any part.

- (7) Check paint and finishes for chipping and worn spots, and note condition of bonding on parts and assemblies.
- (8) Check nameplates and identification plates for legibility and security of attachment.
- (9) Inspect upper and lower slide assemblies used on Observer and Attendant Seat Assemblies. Replace rulon if it is damaged, causing the slides not to function.

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REPAIR

TASK 25-20-45-99F-808-A01

1. General

- A. Repair of the Observer Seat Assemblies and Attendant Seat Assemblies is generally limited to parts replacement or those repairs that can be effected by standard shop practices. Major structural repairs are to be avoided since the safety and integrity of the seat can be compromised by improper disassembly and assembly of major structural components.
- B. Repair materials are listed in Table 6001. Equivalent substitutes may be used for listed items.

Consumable Materials
Table 6001/TABLE 25-20-45-94A-002-A01

Material	Identification	Source (1)
Abrasive cloth,	Federal Specification	Commercially available
Aluminum oxide	P-C-451	Commercially available
Adhesive	NS-230	Stabond Corporation (V25670)
Adhesive	3M EC2155	3M Co. (V76381)
Aliphatic Naphtha	Federal Specification TT-N-95	Commercially available
Cloth Crocus	TT-N-95Federal Specification P-C-458	Commercially available
Corrosion Preventative	Federal Specification	Commercially available
Petrolatum	MIL-C-10382	Commercially available
Detergent	"Joy" or similar	Commercially available
Glass cloth	Style 191, finish compatible	Commercially available
Isopropyl Alcohol	with epoxy resins.Federal Specification TT-I-735	Commercially available
Methyl Ethyl Ketone (MEK)	Federal Specification TT-M-2616	Commercially available
Paint, touch-up (vinyl)	L770 (color matched)	Commercially available
(1) Refer to Manufacturer Names and Addresses section for vendor information.		

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Consumable Materials
Table 6001/TABLE 25-20-45-94A-002-A01 (continued)

Material	Identification	Source (1)
Tape	Pile V-200-1(80)-200, Hook V-200-2-1 00	Hartwell Corp. (V83014)
Toluene	Federal Specification TT-T-548	Commercially available
(1) Refer to Manufacturer Names and Addresses section for vendor information.		

TASK 25-20-45-300-801-A01

2. Repair Procedures

SUBTASK 25-20-45-300-001-A01

A. Metal Surfaces

- (1) Polish out minor nicks and scratches on steel surfaces with crocus cloth. Polish out minor nicks and scratches on aluminum parts with 600 to 800 grit aluminum oxide abrasive cloth.
- (2) Treat all corroded areas with corrosion preventative petrolatum.

SUBTASK 25-20-45-300-002-A01

B. Bonding

- (1) Placards which have been removed are not repairable. To replace with a new placard, dampen a clean, lint-free cloth in Aliphatic Naphtha. Clean mating surfaces of dirt, grit and old adhesive. Replace with new placard following installation instructions printed on the back of the placard.
- (2) To remove grommets, pads and panels cemented to structure, apply Toluene to edges of adhesive to soften adhesive, then pry the part free from structure. Prior to installing new grommets, pads, or panels to structure, sand surface to remove all traces of scale, dirt oxides, oils and old adhesive, then wipe with a clean cloth dampened in Aliphatic Naphtha. To cement grommets, pads and panels, apply a coat of adhesive to both surfaces with a clean, lint-free cloth which is slightly dampened with Toluene. Immediately press both surfaces together and allow to air-dry for 24 hours.

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- (3) To bond metal assemblies, clean surface with Methyl Ethyl Ketone (MEK). To bond plastic assemblies, clean surface with Aliphatic Naphtha. Spread a thin, even coat on one of the parts to be bonded with a brush or spray. Allow adhesive to dry for 20 to 30 minutes. Press parts firmly together, using weights or clamps, as necessary. To accelerate drying and curing time, subject assembly to heat at 150°F for one hour.

SUBTASK 25-20-45-300-003-A01

C. Rivets

- (1) Permissible limitations on size of rivet holes, where rivets were drilled out on disassembly, are controlled by standard shop-practice use of oversized replacement rivets.

NOTE: The minimum pitch and edge distances for rivets are determined by the original design and should be closely observed during repair.

SUBTASK 25-20-45-300-004-A01

D. Inserts

- (1) Helicoil inserts are used extensively in the assembly of aluminum components and offer higher strength and install/remove cycles than tapped holes in the parent metal.
- (2) The inserts used on the assemblies in this manual are of the locking variety. Though unlikely, it is possible that frequent install/remove cycles may cause the locking feature to lose its effectiveness. Thread repair kits are available from the insert manufacturer and typically include a drill, tap, tool and inserts. Specify the insert by part number when ordering thread repair kits.

SUBTASK 25-20-45-300-005-A01

E. Fireblocking Covers

NOTE: There are two methods of accomplishing cover repair, sewing or bonding. Sewing is the preferred method.

- (1) Sew Repair. Sew patch in place with MIL-T-44100, Size T-50 Aramid thread per Federal Specification 751, Type 301, 7-9 stitches per inch.
- (2) Bond Repair. Bond patch in place with NS-230 adhesive (or equivalent) with 1.0 inch minimum overlap. Tack patch with MIL-T-44100, Size T-50 Aramid thread, minimum 1/2 inch spacing.

NOTE: Bonding method (2) shall be used on backs only. Fabric is to be the same as the fireblocking covers.

NOTE: For areas with unusual wear points, sew on a layer of fireblocking fabric using MIL-T-44100, Size T-50 Aramid thread per Federal Specification 751, Type 301, 7-9 stitches per inch.

SUBTASK 25-20-45-300-006-A01

F. Replacement of Rulon

- (1) Replace rulon if it is damaged, causing the slides not to function. See Figure 6001.

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(2) Using T-Bracket shop aid tool, remove four (4) 15596-1 stop screw assemblies from slide assembly. See Figure 6002.

NOTE: T-Bracket shop aid can be produced by customer using the stop pin dimensions shown in Figure 6006. Undersize prongs to make sure of proper fit.

(3) Disassemble slide assembly by sliding out wall mount bracket, seat mount bracket, insert and duplex channel. See Figure 6003.

(4) Remove Rulon142 from duplex channel assembly, wall mount and seat mount assemblies. See Figure 6004. Clean any adhesive residue left on brackets thoroughly with 530-2153 (POLANE® Reducer-84) or with 154-8700 V M & P Naphtha [Manufacturer - Sherwin Williams]. If it is necessary to paint the slides, see step 5 thru step 9 for applicable procedure; otherwise skip to step 10.

(5) After cleaning the brackets, tape the inside entirely with white duct tape.

(6) Sand/polish slide assemblies lightly with 180-220 grade sandpaper to prepare for painting process. It is necessary to polish/prep all paint.

(7) After slides are smooth, refer to TASK 25-20-45-870-805-A01. Proceed to apply HSH Primer IP750M Color: White Spray Filler, 1-1/2 cross coat to cover the surface. Let primer dry thoroughly. Refer to necessary drying time as shown in Table 6002.

(8) Topcoat (paint) at 35 psi (refer to TASK 25-20-45-870-805-A01) specific for Trim and Finish code necessary for color.

(9) After paint has been applied, let paint to dry for 24 hours. To expedite time, use oven to dry paint as shown in Table 6003.

(10) Remove adhesive backing from 19960-1 (3/8" Rulon142 strip/F9469PC-PSA1) and 19960-3 (3/4" Rulon142 Strip/F9469PC-PSA1) and install to duplex channel assembly, wall, and seat mount assembly. Push tightly for correct bonding to parts. Cut all edges with a razor blade.

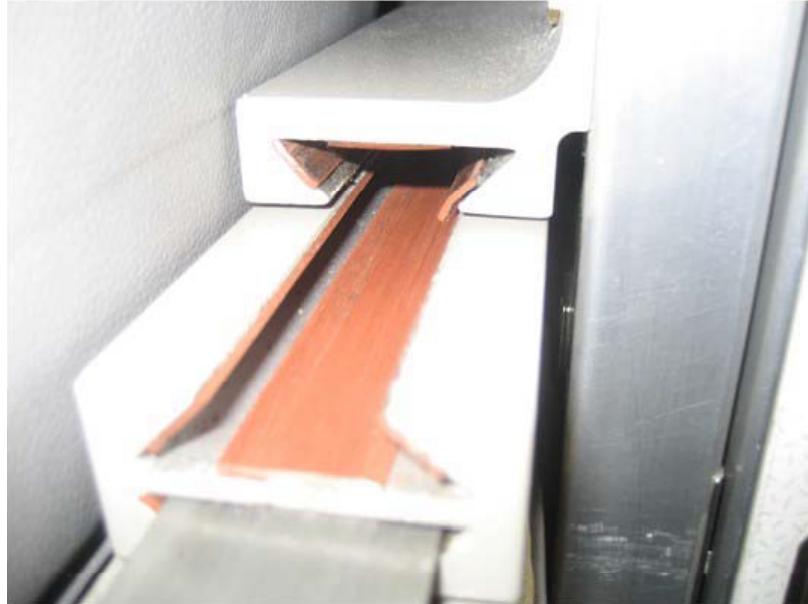
(11) Use shop aid sanding tool with 180-220 grade sandpaper to smooth rulon until the rulon becomes slick. This will allow the slide assembly to operate smoothly.

(12) Assemble slide assembly by installing wall mount bracket, seat mount bracket, insert, and duplex channel.

(13) Install stop screws and verify that slide assembly is operating smoothly. Install slide assembly onto observer or attendant seat assembly.



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Upper Slide Assembly
Figure 6001/GRAFIC 25-20-45-300-001-A01

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2520456002

T-Bracket Shop Aid Tool
Figure 6002/GRAFIC 25-20-45-300-002-A01



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Disassembled Slide Assembly
Figure 6003/GRAFIC 25-20-45-300-003-A01

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2520456004

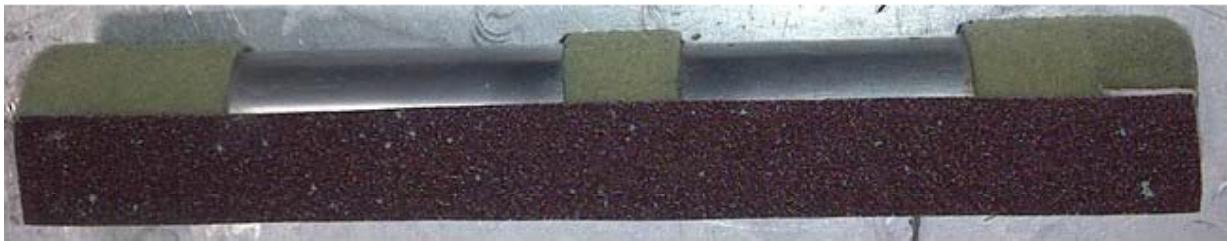
Rulon Removal
Figure 6004/GRAFIC 25-20-45-300-004-A01



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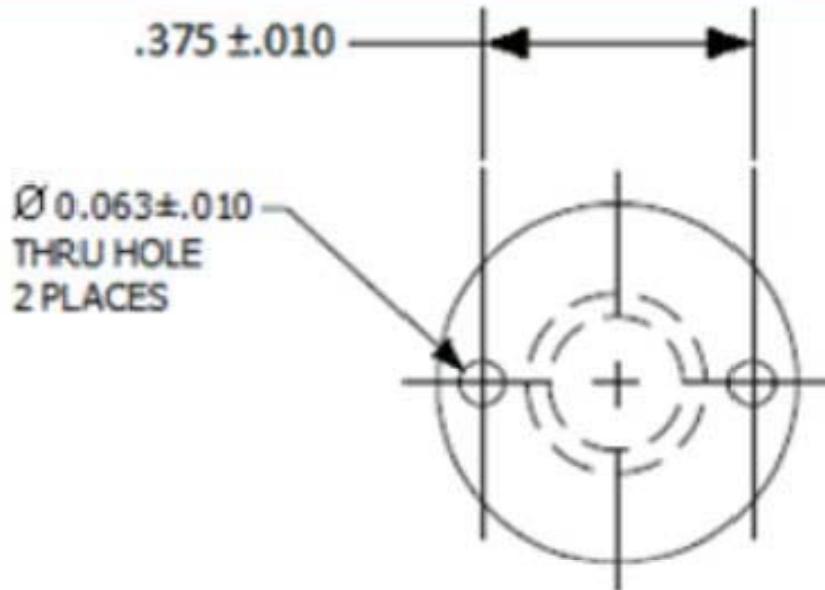


Sanding Shop Aid Tool
Figure 6005/GRAPHIC 25-20-45-300-005-A01

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2520456006

Stop Screw Dimensions
Figure 6006/GRAFIC 25-20-45-300-006-A01IP 750 SP Drying Time Process Specification
Table 6002/TABLE 25-20-45-300-001-A01

Location	Method	Drying Time
Room temperature (72.0° F [22.2° C] 60% Rel. Humid)	Dust-dry	10 minutes/0.5 mm
	Sandable dry	1.5 hours
	Hard dry	168 hours
Over dry 140° F - 168° F [60° C - 75.6° C]	Flash off	30 minutes
		30 minutes

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15680Paint Drying Time Specification
Table 6003/TABLE 25-20-45-300-002-A01

Location	Method	Drying Time
Over dry	Flash off	30 minutes
	140° F - 168° F [60° C - 75.6° C]	30 minutes

TASK 25-20-45-300-802-A01

3. Paint Retouching

NOTE: Repair of painted surface is divided into the different paint finishes used. There are two basic finishes used. An epoxy enamel is used for certain structural metal parts such as angles partitions, etc. A suede textured epoxy enamel is used for other metal and most synthetic decor.

WARNING: CONDUCT ALL WORK IN A WELL VENTILATED AREA AS THESE FINISHES AND SOLVENTS CONTAIN TOXIC AND FLAMMABLE INGREDIENTS.

WARNING: AVOID BREATHING VAPORS. IF FINISHES OR SOLVENTS ARE SPATTERED IN EYES, FLUSH WITH WATER FOR 15 MINUTES AND GET MEDICAL ATTENTION IMMEDIATELY. IF SPATTERED ON SKIN, WASH WITH PLENTY OF WATER.

WARNING: CLEAN UP IMMEDIATELY ANY SPILLAGE OF FINISHES AND SOLVENTS USED FOR CLEANING AND PAINTING.

WARNING: THE REQUIREMENTS FOR THE USE OF PROTECTIVE CLOTHING SHOULD BE ESTABLISHED BY THE APPROPRIATE SAFETY ORGANIZATION.

A. Repair of Non-textured Surfaces

(1) Remove soil from damaged area with clean, lint-free cloth dampened in Trichlorethylene.

(2) Lightly sand damaged area with abrasive cloth or paper having a grit of 320 or finer.

(3) Remove sanding residue by wiping with a clean, lint-free cloth dampened in Trichlorethylene. Wipe dry with a clean cheesecloth.

NOTE: Paint may be applied by brush or spray application. Refer to Table 6004 for specified coating materials.

(4) Brush application of the coating may be made with a good quality bristle brush. When brush application is employed, apply material in one direction as much as practicable, using light pressure on brush to form an even, continuous film. Avoid repeated brushing out of wet coatings to preclude pickup, air bubbles and voids.

NOTE: Spray application is recommended when surface damage is such that brush application would create a finish incompatible with surrounding areas.

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(5) Using spray equipment that is clean and free of other materials, apply the paint by cross-coating from a distance of approximately 8-10 inches (20-25 cm).

NOTE: Curing will require 24 hours at 75 °F (24 °C). Prior to application of finish coat, primer undercoat must be permitted to dry for approximately 30 minutes at 75 °F (24 °C).

B. Repair of Surfaces Finished in Suede Texture Enamel

NOTE: Steps (1) thru (4) show general preparation of paint materials, equipment adjustments and application procedures for paint repair of fiberglass reinforced plastic resin, polycarbonate resin and decorative metal parts.

(1) Thoroughly blend equal parts of applicable undercoat or enamel base and catalyst according to manufacturer's instructions.

CAUTION: DO NOT THIN MIXTURE.

Consumable Materials
Table 6004/TABLE 25-20-45-94A-005-A01

Finish	Material	Source (1)
Primer, Light Grey	DZL 32	Crown Metro Inc. (V0S4B8)
Paint, "Pepperdust"	No. 26424, semi-gloss	Crown Metro Inc. (V0S4B8)
(1) Refer to Manufacturer Names and Addresses section for vendor information.		

(2) Strain mixture through 150 mesh paint strainer. Label container with date and hour of mixing and allow mixture to stand for 1 hour before using.

NOTE: Pot life of mixed coatings is 16 hours at a temperature below 80 °F (27 °C), 12 hours at 80-85 °F (27-30 °C), and 8 hours at temperatures above 85 °F (30 °C). Pot life may be extended to as much as 36 hours if the material can be stored below 40 °F (5 °C).

CAUTION: SCRAP ALL MATERIAL WHOSE POT LIFE HAS EXPIRED.

(3) Adjust spray booth line adjustments as follows:

(a) Airline pressure to 100 psi.

(b) Pot pressure to 8 psi.

(4) Adjust spray gun as follows:

(a) For a finer texture, decrease paint output by adjusting paint meter valve. Increase atomization by increasing air volume thru gun by adjusting air metering valve.

(b) For a coarser texture, increase paint output by adjusting paint metering valve. Decrease atomization by increasing air volume through gun by adjusting air metering valve.

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(c) Spray application should be accomplished approximately 18 inches (46 cm) from part.

NOTE: Table 6005 lists recommended spray paint equipment used to apply sueded texture finish. It is not mandatory that the listed equipment be used, however, similar equipment is required to create a finish compatible with area adjacent to damaged part.

Recommended Spray Paint Equipment
Table 6005/TABLE 25-20-45-94A-006-A01

Item	Part No.	Source (1)
Spray	Type MBC510	De Vilbiss Co. (V0GAZ6)
Nozzle	30	De Vilbiss Co. (V0GAZ6)
Fluid tip	IAV-15EX	De Vilbiss Co. (V0GAZ6)
Fluid needle	MBC 496D-EX	De Vilbiss Co. (V0GAZ6)
(1) Refer to Manufacturer Names and Addresses section for vendor information.		

(5) Repair painted fiberglass reinforced plastic resin parts as follows:

(a) Feather sand damaged area. Wipe sanding residue from area with clean, lint-free cloth dampened in Aliphatic Naphtha.

(b) Remove any additional sanding residue by wiping area with a clean, lint-free cloth dampened in Aliphatic Naphtha.

NOTE: If the epoxy undercoat is damaged, prepare undercoat mixture and apply one coat. Allow to cure for 8 hours at 75 °F (24°C). Lightly sand undercoat. Clean sanding residue with clean, dry, compressed air.

(c) Prepare the applicable finish enamel paint mixture. Apply and allow to cure for 12 hours at 75 °F (24°C).

(6) Repair painted polycarbonate resin parts as follows:

(a) Clean damaged area with clean, lint-free cloth dampened in Isopropyl Alcohol. Prepare semigloss enamel coating mixture and apply. Oven cure for 1/2 hour at 150-200 °F (66-93 °C).

(7) Repair painted metallic parts as follows:

(a) Clean surface to be painted with clean, lint-free cloth dampened with Toluene. Before the solvent evaporates, wipe dry with clean cloth.

(b) Thoroughly blend a mixture of epoxy enamel according to Table 6005 and apply. Oven cure for 1/2 hour at 150-200 °F (66-93 °C) or allow to air dry for 4 hours at 75 °F (24°C).

C. Prepare applicable enamel finish and apply. Oven cure for 1/2 hour at 150-200 °F (60-93 °C).

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ASSEMBLY

TASK 25-20-45-99F-809-A01

1. General

- A. During assembly, always use new low-cost items, such as cotter pins, screws, washers, nuts, grommets, etc., when possible to prevent future maintenance requirements due to failure of these items. Prior to initiating assembly procedures, inspect all parts for wear and/ or damage which could result in failure of the Observer and Attendant Seat Assemblies or any of its component assemblies.
- B. Recommended assembly materials are listed in Table 7001. Equivalent substitutes may be used for listed items.

Assembly Materials
Table 7001/TABLE 25-20-45-94A-007-A01

Material	Identification	Source (1)	Use
Adhesive	DP420	3M Co. (V76381)	Bonding of seat back diaphragm and sleeves
tape (hook) (color to match, cut to length)	V200-1(80)-200	Hartwell Corp. (V83014)	Applied to seat back or bottom to mate with tapes on cushions.
Tape (pile) (color to match, cut to length)	V200-2-200	Hartwell Corp. (V83014)	Applied to dress cover
Tape (hook) (color to match, cut to length)	V200-1(80)-75	Hartwell Corp. (V83014)	Applied to dress cover
Tape (pile) (color to match, cut to length)	V200-2-75	Hartwell Corp. (V83014)	Apply to fire block cushion
(1) Refer to Manufacturer Names and Addresses section for vendor information.			

TASK 25-22-35-400-801-A01

2. Assembly Procedures

SUBTASK 25-20-45-440-001-A01

A. Latch Installation (refer to IPL Figure 7):

- (1) Install bayonet receptacle fitting assembly (70 and 65) into channel assembly (85) with two screws (75) and washers (80).
- (2) Install latch pin (60) with spring (55), plug (50) and secure with spring pin (45).
- (3) Instal lever (40) and link (35) with shoulder screw (30). Secure linkage with washers (25), clevis pins (20) and cotter pins (15).

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(4) Install handle (5) with shoulder screw (10).

SUBTASK 25-20-45-440-002-A01

B. Assemble upper bayonet receptacle assembly as follows (refer to IPL Figure 6):

- (1) If previously removed, install helicoil insert (60) and bushing (55) into fitting (65).
- (2) Insert washer (45) and spring (40) with latch pin assembly (35) in position in the bayonet fitting assembly (50) and secure the assembly by inserting spring pin (30).
- (3) Place release bracket assembly (5) in position and install screw (20) with washer (25) and screw (10) with washer (15).

SUBTASK 25-20-45-440-003-A01

C. Assemble upholstered back assembly as follows (refer to IPL Figure 5):

- (1) If previously removed, install bayonet assemblies (85) to bayonet assembly (45) and install handle strap assembly (80) with spacer (75) and rollers (70) and secure with screws (65 and 60) washers (55) and nuts (50).
- (2) Insert bayonet assemblies into weldment (145), install retainers (115) and secure with screws (100), washers (95) and nuts (90). Install shear pins (110, 105, and 40).
- (3) Install dress cover assembly (10) to back structure.

SUBTASK 25-20-45-440-004-A01

D. Assemble the aft attendant seat assembly as follows (refer to IPL Figure 4):

- (1) If previously removed, install dress cover assembly (220) over fireblocked cushion assembly (225) and bottom structure assembly (230).
- (2) Assemble upholstered back assembly (155) to upholstered bottom assembly (215) as follows:
 - (a) Install nylon washers (211), washers (210) in place over seat pivot boss and install spring sleeve (205).
 - (b) Install right hand and left hand return springs (200 and 195) followed by spring covers (190).
 - (c) Install bolt (175) with washer (185) into pivot boss (both sides) and install washer (185), lap belt end fitting, two washers (185) and nut (180).

NOTE: Washer may vary between AN960-516L and AN960-516 in order to achieve 1.5 - 2.0 thread protrusion with nut installed.

- (d) Bend return spring around (as shown), so that captured arm engages welded stud, and secure to back structure with washers (170 and 165) and nut (160).
- (3) Install rulon (147).
- (4) Assemble lower slide assembly by preassembling slide inserts (140 and 135) into duplex channel assembly (145) and wall mounting bracket assemblies (130 and 125) and install stop screws (120) after applying Loctite thread locking compound.

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- (5) Install rulon (96).
- (6) Assemble upper slide assembly (50) by preassembling slide inserts (90 and 85) into duplex channel assembly (95) and wall mounting bracket assemblies (80 and 75) and install stop screws (70) applied with Loctite thread locking compound.
- (7) Install restraint system (30) by installing shoulder harnesses to back structure with two screws (35), nuts (40) and washers (45).
- (8) Install headrest assembly (10) if seat assembly is to be stored for a period of time. The headrest assembly may be kept loose until after the seat assembly is installed in the aircraft.

SUBTASK 25-20-45-440-005-A01

E. Assemble the forward attendant seat assembly as follows (refer to IPL Figure 3):

- (1) If previously removed, install dress cover assembly (225) over fireblocked cushion assembly (230) and bottom structure assembly (235).
- (2) Assemble upholstered back assembly (155) to upholstered bottom assembly (220) as follows:
 - (a) Install washers (215) in place over seat pivot boss and install spring sleeve (210).
 - (b) Install right hand and left hand return springs (205 and 200) followed by spring covers (195).
 - (c) Install bolt (180) with washer (190) into pivot boss (both sides) and install washer (190), lap belt end fitting, two washers (190) and nut (185).

NOTE: Washer may vary between AN960-516L and AN960-516 in order to achieve 1.5 - 2.0 thread protrusion with nut installed.

- (d) Bend return spring around (as shown), and secure to back structure with washers (175 and 170), nut (165) and bolt (160).

NOTE: Captured arm of return springs (205 and 200) goes on the left hand (outboard) side of the back weldment for both the left and right hand return springs.

- (3) Install rulon (147).
- (4) Assemble lower slide assembly by preassembling slide inserts (140 and 135) into duplex channel assembly (145) and wall mounting bracket assemblies (130 and 125) and install stop screws (120) after applying Loctite thread locking compound.
- (5) Install rulon (96).
- (6) Assemble upper slide assembly by preassembling slide inserts (90 and 85) into duplex channel (95) and wall mounting bracket assemblies (80 and 75) and install stop screws (70) applied with Loctite thread locking compound.
- (7) Install restraint system (30) as applicable by installing shoulder harness to back structure with two bolts (35), nuts (40) and washers (45).

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(8) Install headrest assembly (10) if seat assembly is to be stored for a period of time. The headrest assembly may be kept loose until after the seat assembly is installed in the aircraft.

SUBTASK 25-20-45-440-006-A01

F. Assemble the observer seat assemblies as follows (refer to IPL Figure 2):

- (1) If previously removed, install dress cover assembly (220) over fireblocked cushion assembly (225) and bottom structure assembly (230).
- (2) Assemble upholstered back assembly (150) to upholstered bottom assembly (215) as follows:
 - (a) Install washers (210) in place over seat pivot boss and install spring sleeve (205).
 - (b) Install right hand and left hand return springs (200 and 195) followed by spring covers (190).
 - (c) Install bolt (175) with washer (185) into pivot boss (both sides) and install washer (185), lap belt end fitting, two washers (185) and nut (180).

NOTE: Washer may vary between AN960-516L and AN960-516 in order to achieve 1.5 - 2.0 thread protrusion with nut installed.

- (d) Bend return spring around (as shown), and secure to back structure with washers (170 and 165), nut (160) and bolt (155).

NOTE: Captured arm of return springs (200 and 195) goes on the left hand (outboard) side of the back weldment for both the left and right hand return springs.

- (3) Assemble lower slide assembly by preassembling slide inserts (135 and 130) into duplex channel (140) and wall mounting bracket assemblies (125 and 120) and install stop screws (115) after applying Loctite thread locking compound.
- (4) Assemble upper slide assembly by preassembling slide inserts (85 and 80) into duplex channel (90) and wall mounting bracket assemblies (75 and 70) and install stop screws (65) applied with Loctite thread locking compound.
- (5) Install restraint system (30) by installing inertia reel to back structure with two screws (35) and washers (40).
- (6) Install headrest assembly (10) if seat assembly is to be stored for a period of time. The headrest assembly may be kept loose until after the seat assembly is installed in the aircraft.

TASK 25-20-45-400-802-A01

3. Installation

A. Install the seat assembly, bayonet receptacles and retainer latch as follows (refer to IPL Figure 1):

- (1) For the observer seat assemblies, install lower bayonet fitting assembly (25A) and upper bayonet receptacle assembly (16) with customer furnished attaching hardware using Loctite thread locking compound.

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- (2) For the forward attendant seat assemblies, install lower bayonet fitting assembly (25C) and upper bayonet receptacle assembly (16A) with customer furnished attaching hardware using Loctite thread locking compound.
- (3) For the aft attendant seat assemblies, install latch installation (30) with customer furnished attaching hardware using Loctite thread locking compound.
- (4) If applicable to the seat assemblies, install the pouch assembly (-22) with screws (-23) and washers (-24).
- (5) If applicable to the seat assemblies, install the strap assembly (-19) with screw (-20), and install the spacer (-21).
- (6) Place seat assembly in position on bulkhead, insert shims (5 or 5A, and 10 or 10A) and install seat mounting hardware using Loctite thread locking compound.
- (7) Install retainer latch assembly (14) with screws (15) applied with Loctite thread locking compound.

B. Install the seat assembly, bayonet receptacles and retainer latch as follows (refer to IPL Figure 1A):

- (1) For the forward attendant seat assemblies, install lower bayonet fitting assembly (25) and upper bayonet receptacle assembly (20) with customer furnished attaching hardware using Loctite thread locking compound.
- (2) For the aft attendant seat assemblies, install latch installation (30) with customer furnished attaching hardware using Loctite thread locking compound.
- (3) Place seat assembly in position on bulkhead, insert shims (5 or 5A, and 10 or 10A) and install seat mounting hardware using Loctite thread locking compound.
- (4) Install retainer latch assembly (15).

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FITS AND CLEARANCES

TASK 25-20-45-99F-815-A01

1. General

SUBTASK 25-20-45-99F-001-A01

A. General Information

(1) This section gives dimensional information to let the technician find if the assembly is serviceable or make a decision about the level of repair that is necessary.

TASK 25-20-45-700-001-A01

2. Torque Limits

SUBTASK 25-20-45-700-001-A01

A. Assembly Torque Limits

(1) The Assembly Torque Limits in Table 8001 gives applicable torque limits for all critical fasteners. The torque values are shown in the English (inch-pounds) standard value followed by the Metric (N·m) equivalent in parentheses.

Assembly Torque Limits
Table 8001/TABLE 25-20-45-820-001-A01

Thread Size	Minimum Tension	Maximum Tension	Minimum Shear	Maximum Shear
8-32	12 inch-pounds (1,3 N·m)	15 inch-pounds (1,7 N·m)	7 inch-pounds (0,8 N·m)	9 inch-pounds (1,0 N·m)
10-32	20 inch-pounds (2,2 N·m)	25 inch-pounds (2,8 N·m)	12 inch-pounds (1,3 N·m)	15 inch-pounds (1,7 N·m)
1/4-28	50 inch-pounds (5,6 N·m)	70 inch-pounds (7,9 N·m)	30 inch-pounds (3,4 N·m)	40 inch-pounds (4,5 N·m)
5/16-24	100 inch-pounds (11,2 N·m)	140 inch-pounds (15,7 N·m)	60 inch-pounds (6,7 N·m)	85 inch-pounds (9,6 N·m)
3/8-24	160 inch-pounds (18,0 N·m)	190 inch-pounds (21,3 N·m)	95 inch-pounds (10,7 N·m)	110 inch-pounds (12,4 N·m)

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SPECIAL TOOLS, FIXTURES AND EQUIPMENT

TASK 25-20-45-940-805-A01

1. General

SUBTASK 25-20-45-94A-003-A01

A. Consumable Materials

(1) The consumable materials needed for the Observer and Attendant Seat Assemblies are given in Table 9001.

NOTE: Equivalent substitutes may be used for the items listed.

Consumable Materials
Table 9001/TABLE 25-20-45-94A-008-A01

Material	Identification	Source (1)
Abrasive cloth,	Federal Specification	Commercially available
Adhesive	NS-230	Stabond Corporation (V25670)
Adhesive	3M EC2155	3M Co. (V76381)
Adhesive	DP420	3M Co. (V76381)
Aliphatic Naphtha	Federal Specification TT-N-95	Commercially available
Aluminum oxide	P-C-451	Commercially available
Cloth Crocus	TT-N-95Federal Specification P-C-458	Commercially available
Compound	MIL-C-38334	Commercially available
Corrosion Preventative	Federal Specification	Commercially available
Corrosion Removing	Federal Specification	Commercially available
Detergent	"Joy" or similar	Commercially available
Detergent Activator For	No. 195	Commercially available
Glass cloth	Style 191, finish compatible	Commercially available
Isopropyl Alcohol	with epoxy resins.Federal Specification TT-I-735	Commercially available
Methyl Ethyl Ketone (MEK)	Federal Specification TT-M-2616	Commercially available
Paint, "Pepperdust"	No. 26424, semi-gloss	Crown Metro Inc. (V0S4B8)
Paint, touch-up (vinyl)	L770 (color matched)	Commercially available
Perchloroethylene	Federal Specification O-T-236	Commercially available
Petrolatum	MIL-C-10382	Commercially available

(1) Refer to Manufacturer Names and Addresses section for vendor information.

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Consumable Materials
Table 9001/TABLE 25-20-45-94A-008-A01 (continued)

Material	Identification	Source (1)
Primer, Light Grey	DZL 32	Crown Metro Inc. (V0S4B8)
Solvent Degreaser	Federal Specification MIL-D-12391	Commercially available
Stoddard Solvent	Federal Specification PP-S-600	Commercially available
Stoddard Solvent	(For Stoddard Solvent) No. G84 (For Perchloroethylene)	Commercially available
Tape	Pile V-200-1(80)-200, Hook V-200-2-1 00	Hartwell Corp. (V83014)
tape (hook) (color to match, cut to length)	V200-1(80)-200	Hartwell Corp. (V83014)
Tape (pile) (color to match, cut to length)	V200-2-200	Hartwell Corp. (V83014)
Tape (hook) (color to match, cut to length)	V200-1(80)-75	Hartwell Corp. (V83014)
Tape (pile) (color to match, cut to length)	V200-2-75	Hartwell Corp. (V83014)
Toluene	Federal Specification TT-T-548	Commercially available
Upholstery Shampoo	DuPont Dry Cleaner	Dupont E.I. Nemours Co., INC. (V0VYR8)
(1) Refer to Manufacturer Names and Addresses section for vendor information.		

SUBTASK 25-20-45-94B-004-A01
B. Special Tools

(1) The special tools needed for the Observer and Attendant Seat Assemblies are given in Table 9002.

NOTE: Equivalent substitutes may be used for the items listed.

Special Tools
Table 9002/TABLE 25-20-45-94B-001-A01

Material	Identification	Source (1)
Fluid needle	MBC 496D-EX	De Vilbiss Co. (V0GAZ6)
Fluid tip	IAV-15EX	De Vilbiss Co. (V0GAZ6)
(1) Refer to Manufacturer Names and Addresses, for vendor information.		

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Table 9002/TABLE 25-20-45-94B-001-A01 (continued)

Material	Identification	Source (1)
Nozzle	30	De Vilbiss Co. (V0GAZ6)
Spray	Type MBC510	De Vilbiss Co. (V0GAZ6)

(1) Refer to Manufacturer Names and Addresses, for vendor information.

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COMPONENT MAINTENANCE MANUAL
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TASK 25-20-45-550-001-A01

1. Storage Procedures

A. General

- | (1) The Observer and Attendant Seat Assemblies are essentially corrosion-resistant and no special preservation is required other than would normally be accorded to an item having trim and finish items visible to the passengers.

B. Procedures

- (1) Wrap seat assembly in waterproof wrapping paper (Federal Specification UU-P-271) or equivalent, or a plastic cover. Use tape (Federal Specification JAN-P-127) or equivalent, to secure wrapping paper or cover.
- (2) Identify seat assembly part number and date of overhaul on a tag, or in a convenient location on the seat assembly wrapper.
- (3) Store seat assembly (long term) in cool, dry place, away from sunlight and heat source at a temperature range from 4°C to 32°C (40° to 90°F). The relative humidity should not exceed 50%. These temperature-humidity conditions meet requirements of RTCA/DO-160D (Environmental Conditions and Test Procedures for Airborne Equipment) to protect any sensitive electronic equipment, and reduce any possible corrosion of metal parts and mildewing of upholstery materials.

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COMPONENT MAINTENANCE MANUAL
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TASK 25-20-45-99F-810-A01

1. Introduction

A. This section contains a Numerical Index which lists all parts for the seat assembly in alpha/numeric sequence and a Detailed Parts List that consists of illustrations and a breakdown of all components in general order of disassembly.

TASK 25-20-45-99F-811-A01

2. Scope of Information

A. How to Use the Illustrated Parts List

- (1) WHEN PART NUMBER IS KNOWN: Turn to the Numerical Index and locate the part number. The figure and item number on the parts list and on the accompanying illustration appear in columns to the right of the part number. Turn to the figure where the item appears and locate the part on the illustration. The corresponding item number in the accompanying parts list will give the part number, description, assembly relationship and quantity required for the particular application.
- (2) WHEN PART NUMBER IS NOT KNOWN: Look through the illustrations and find the assembly of which the component is a part, or look through illustrations and identify part by appearance. Note the item number on the illustration and check the corresponding item number in the accompanying parts list to find the part number, description and quantity required for the application.

TASK 25-20-45-99F-812-A01

3. Numerical Index

A. Purpose

- (1) The purpose of the Numerical Index is to enable the user to locate any part by part number. The figure and item number the part is used in are listed as well as the total quantity required at that particular location.

B. Order Sequence

- (1) Parts are listed in alpha-numerical order (letters followed by numbers). The arrangement sequence of each numbered part begins at the extreme left-hand position and continues left to right (one position at a time) until the location of each part number is determined. Letters "A" through "Z" are followed by numerals "0" through "9". In the second column and in all succeeding positions, the order of precedence is: first, a blank space (blank column) or a dash "-"; if present, the letters "A" through "Z", then numerals "0" through "9". The letter "O" is treated as the number "0".

TASK 25-20-45-99F-813-A01

4. Detailed Parts List

A. Arrangement of Items

- (1) The Detailed Parts List is presented in a general sequence of disassembly. Parts or assemblies that are most conveniently removed first are listed first.

B. "FIG. ITEM" Column

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- (1) The number listed under "FIG." at the top of each page of listed parts is the figure number of the illustration in which the listed parts can be found. The numbers in the "ITEM" column correspond to the item (or index) number assigned to the part on the illustration.
- (2) A dash or hyphen (-) preceding the item number means that the part is not illustrated.
- (3) A letter suffix (or alpha variant item number) is normally used to indicate an opposite hand configuration (mirror image), items added due to a revision, like items, optional or alternate parts, or items added due to revision or service bulletin. A check of the "EFF CODE" column and the "NOMENCLATURE" column should clarify the part's usage. Alpha variant item numbers are not normally shown on the exploded view when the appearance and location of the alpha variant item is the same as the basic item.

C. "PART NUMBER" Column

- (1) The part number by which a part may be ordered or procured is listed in this column. Parts that cannot be purchased are also listed for purposes of completeness and accuracy of the breakdown. Examples of non-procurable parts would be one part of a matched set or a part that is permanently bonded to another part. These items will be listed and indicated as non procurable with the letters (NP) in the description column.

D. "NOMENCLATURE" Column

- (1) Part names or descriptions are given in this column. The part naming convention is the noun (or keyword) followed by the modifier. Note the numbers 1 through 7 at the top left side of the column. These numbers indicate relationship or indenture level of parts to their next higher assembly.

(a) Assembly Order Indenture System

- 1 The Indenture system used in the parts list shows the relationship of one part to another. For a given item, the number of indentures depicts the relationship of the item to the associated next higher assembly as follows:

0 1 2 3

Assembly

Attaching Parts for Assembly

Detail Parts for Assembly

Subassembly

Attaching Parts for Subassembly

Detail Parts for Subassembly

Attaching Parts for Detail Parts in Subassembly

- (b) Additional information in the "NOMENCLATURE" column may include references to service bulletins, other manuals, Commercial and Government Entity (CAGE) codes, previously Federal Supply Code for Manufacturers (FSCM) indicated as (V—) for "Vendor Code". The CAGE codes are used to identify the part manufacturer if other than the end item manufacturer. In addition, information regarding superseded or obsolete parts will be found in this column.
- (c) For convenience the vendor code together with the name and address of the manufacturers is listed at the end of this introduction.



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E. "EFF CODE" Column

- (1) When applicable, reference letters (A, B, C, etc.) are assigned in the EFF CODE column to each top assembly in a given Figure. The reference letter of the applicable top assembly is also shown in the EFF CODE column for each subassembly and detail part except that no reference letter is shown for subassemblies or detail parts if they are common to all top assemblies.

F. "UNITS PER ASSY" Column

- (1) The UNITS PER ASSY column shows the total number of units required per assembly or subassembly, as applicable. For bulk items the letters AR indicate "as required". The letters RF indicate that the item is listed for reference purposes.

G. Illustrations

- (1) The illustrations for the Detailed Parts List are a series of exploded views arranged in sequence of disassembly and showing each assembly and each part except that attaching parts are illustrated only to the extent required to ensure proper assembly. Where it is not practical to completely explode an assembly on the original exploded view, reference is made to another figure for a more complete illustration. To facilitate finding the required figure, a cross reference such as (SEE IPL FIG. ... FOR DETAILS) will be found in the "NOMENCLATURE" Column.

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5. List of Vendors

- A. Listed below are the names and addresses of all vendors supplying items not carried under a Safran Seats USA LLC part number, together with their CAGE code (formerly FSCM).

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CODE	NAME	ADDRESS
VB4946	HSH INTERPLAN INC	1564 S. ANAHEIM BLVC ANAHEIM CA 92805
VC6683	RIEDLINGER MOEBELSTOFFWEBEREI B.BAUER GMBH CO. KG	INDUSTRIESTRASSE 10 RIEDLINGEN GERMANY 88499
VH3302	AABE TEXTILES TRADING B.V.	POSTELSTRAAT 23 MOERGESTEL NETHERLANDS 5066 EA
VKD3K1	E-LEATHER LTD	KINGSBRIDGE CENTRE STURROCK WAY PETERBOROUGH CAMBRIDGESHIRE PE3 9SR
V0FYV4	ACCURATE SCREW MACHINE CO	23685 ELK WOOD ST CANOGA PARK CA 91304
V0GAZ6	DEVILBISS CO	12878 E FLORENCE SANTA FE SPRINGS CA 90670
V0HGX6	DOUGLASS INTERIOR PRODUCTS INC.	1910 132ND AVENUE NE BELLEVUE WA 98005-2198
V0S4B8	CROWN METRO AEROSPACE COATINGS INC	315 ECHELON RD GREENVILLE SC 29606

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CODE	NAME	ADDRESS
V0VYR8	DUPONT E I DE NEMOURS AND CO.	3300 PACIFIC AVE. BURBANK CA 91505
V0YRK7	LANTAL TEXTILES INC.	1300 LANGENTHAL DR RURAL HALL NC 27045 0000
V01556	EMHART TEKNOLOGIES LLC	SHELTER ROCK LN DANBURY CT 06810-8159
V15653	ARCONIC GLOBAL FASTENERS RINGS INC	800 S STATE COLLEGE BLVD FULLERTON CA 92831-5334
V25670	STABOND CORP	1722 W 139TH ST GARDENA CA 90249-3092
V26348	HB FULLER NORTH AMERICA	1200 WILLOW LAKE BLVD VADNAIS HEIGHTS MN 55110-5146
V3K723	SAFRAN SEATS USA LLC	2000 WEBER DR GAINESVILLE TX 76240-9699
V3ULF6	TAPIS CORPORATION	28 KAYSAL COURT ARMONK NY 10504 1344
V35FB9	AM SAFE INC.	1043 NORTH 47TH AVE PHOENIX AZ 85043-1817

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CODE	NAME	ADDRESS
V39052	AVIANOR INC.	2067 AVENUE CHARTIER DORVAL QUEBEC H9P 1H3
V49U11	PERRONE LEATHER LLC	182 RIVERSIDE DR FULTONVILLE NY 12072-1750
V52607	ACTRON MANUFACTURING INC.	1841 RAILROAD ST CORONA CA 92880-2512
V76381	3M COMPANY	3M CENTER BLDG 220 11W 02 SAINT PAUL MN 55144-1001
V83014	HARTWELL CORPORATION	900 S RICHFIELD RD PLACENTIA CA 92870-6732
V86928	SEASTROM MANUFACTURING CO INC.	456 SEASTROM ST TWIN FALLS ID 83301-8526

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ALPHA/NUMERIC INDEX

PART NUMBER	AIRLINE STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER	TOTAL REQ'D
A312-028-0280		5	75	1
A35010A1P		1 1A	14 15	1 1
AN3-10A		2 3	155 160	2 2
AN525-832R6		6	10	1
AN960-10		1 2 3 4 6	12 18 27 7 170 60 175 65 170 45 65 25	20 5 5 40 2 8 2 8 2 4 8 1
AN960-10L		2 3 4 7	110 60A 115 65A 115 65A 80	8 8 8 8 8 4
AN960-1216L		2 3 4	210 215 210	2 2 2
AN960-416		2 5	40 55A 95A	2 2 2
AN960-416L		2 6	40A 45	2 1
AN960-4L		7	25	2

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PART NUMBER	AIRLINE STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER	TOTAL REQ'D
AN960-516		2 3 4	185A 190A 45A 185A 45B	8 8 4 8 4
AN960-516L		2 3 4	185 190 45 185 45A	8 8 4 8 4
AN960-8		1	24	6
AN970-3		2 3 4	165 170 165	2 2 2
CP0197057		3 4	30H 30M	1 1
CP0197058		3	30X	1
CP0197059		3 4	30 30	1 1
CP0197061		3 4	30F 30D	1 1
CP0197062		3 4	30R 30K	1 1
CP0197063		3	30K	1
CP0197064		3 4	30M 30F	1 1
CP0197065		3	30V	1
CP0197066		3 4	30P 30H	1 1
CP0197067		3	30B	1
CP0197088		3	30T	1
CP0197089		3 4	30D 30B	1 1

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PART NUMBER	AIRLINE STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER	TOTAL REQ'D
CP0197090		3	30Z	1
DP100		2	64	AR
		3	69	AR
		4	69	AR
DP420		5	6	AR
FR7016AB		5	106A 111A 41A	AR AR AR
MK1000-4		5	120	2
MS171496		6	30A	1
MS171531		7	45A	2
MS20392-1C13		7	20	2
MS20426AD3-4		5	122	2
MS21042-3		2	100	4
			50	4
		3	105	4
			165	2
			55	4
		4	105	4
			160	2
			55	4
MS21042-4		5	50 90	2 2
MS21042-5		2	160	2
			180	2
		3	185	2
			40	2
		4	180	2
			40	2
MS21042L3		1	11 6	10 10
MS21783-52		2	165A	2
		3	170A	2
		4	165A	2

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PART NUMBER	AIRLINE STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER	TOTAL REQ'D
MS24665-132		7	15	2
MS27039-1-25		2	105	4
		3	55	4
		4	60	4
		6	35	2
		7	60	4
MS9047-069		6	30	1
MS9048-105		7	45	2
NAS1149F0463P		5	55	2
		6	95	2
NAS1305-38		4	175	2
NAS1305-40		2	175	2
		3	180	2
NAS43DD3-8		1	21	1
NAS514P832-8		1	15	2
NAS602-8		1	23	6
NAS603-8		1	20	1
NAS6203-7		1	9	6
NAS6203-9		1	13	10
			17	5
			26	5
			8	14
NAS6205-17		3	35	2
		4	35A	2
NAS623-3-20		2	105A	4
		3	55A	4
		4	110	4
		5	60A	4
		6	110	4
		7	60A	4
NAS623-3-54		7	75	4
NAS623-4-17		5	100	2

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PART NUMBER	AIRLINE STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER	TOTAL REQ'D
NAS623-4-20		5	65	1
NAS623-4-24		5	60	1
NAS623-4-5		2	35	2
NAS75-04-024		6	55	1
NK221-6		6	20	1
NK27039-1-06		6	20A	1
WA9658-1000-107		5	130	AR
WA9658-2000-112		5	135	AR
WA9658-750-100		5	140A	AR
WA9659-750-111		2	63	AR
		3	68	AR
		4	68	AR
121-7		4	195	1
121-8		4	200	1
122-11		2	205A	2
		3	210A	2
		4	205A	2
122-7		2	190	2
		3	195	2
		4	190	2
122-9		2	205	2
		3	210	2
		4	205	2
1357		5	126 41	AR AR
13707-11		7	50	2
15680-101		1A 4	1G 1N	RF RF
15680-103		1A 3	1H 1AB	RF RF

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PART NUMBER	AIRLINE STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER	TOTAL REQ'D
15680-105		1A 4	1J 1O	RF RF
15680-107		1A 3	1K 1AC	RF RF
15680-109		1A 4	1L 1P	RF RF
15680-11		1 2	1 1	RF RF
15680-111		1A 3	1M 1AD	RF RF
15680-113		1A 4	1N 1Q	RF RF
15680-115		1A 3	1P 1AE	RF RF
15680-117		1A 4	1Q 1R	RF RF
15680-119		1A 4	1R 1S	RF RF
15680-13		1 3	1A 1	RF RF
15680-15		1 4	1B 1	RF RF
15680-16		1 4	1U 1F	RF RF
15680-18		1A 4	1D 1M	RF RF
15680-21		1 2	1C 1A	RF RF
15680-23		1 3	1D 1A	RF RF
15680-25		1 4	1E 1A	RF RF

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PART NUMBER	AIRLINE STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER	TOTAL REQ'D
15680-27		1 3	1F 1B	RF RF
15680-29		1 3	1G 1C	RF RF
15680-31		1 2	1AJ 1C	RF RF
15680-33		1 4	1H 1B	RF RF
15680-35		1 3	1J 1D	RF RF
15680-37		1 2	1K 1B	RF RF
15680-39		1 3	1L 1E	RF RF
15680-41		1 4	1M 1C	RF RF
15680-43		1 3	1N 1F	RF RF
15680-45		1 3	1P 1G	RF RF
15680-47		1 4	1Q 1D	RF RF
15680-49		1 3	1R 1H	RF RF
15680-51		1 4	1S 1E	RF RF
15680-53		1 3	1T 1J	RF RF
15680-55		1 3	1V 1K	RF RF
15680-57		1 4	1W 1G	RF RF

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PART NUMBER	AIRLINE STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER	TOTAL REQ'D
15680-59		1 3	1X 1L	RF RF
15680-67		1 3	1Y 1M	RF RF
15680-69		1 4	1Z 1H	RF RF
15680-73		1A 4	1 1J	RF RF
15680-75		1A 4	1C 1K	RF RF
15680-77		1A 3	1A 1N	RF RF
15680-79		1A 3	1B 1P	RF RF
15680-81		1 3	1AA 1R	RF RF
15680-83		1 3	1AB 1S	RF RF
15680-85		1 3	1AC 1T	RF RF
15680-87		1 3	1AD 1U	RF RF
15680-89		1 3	1AE 1V	RF RF
15680-91		1A 3	1E 1Z	RF RF
15680-93		1 4	1AF 1L	RF RF
15680-95		1 3	1AG 1W	RF RF
15680-97		1 3	1AH 1Y	RF RF

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PART NUMBER	AIRLINE STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER	TOTAL REQ'D
15680-99		1A 3	1F 1AA	RF RF
15977-1		2 3	230 235	1 1
15977-501		3	235A	1
15981-1		2	95	1
15981-11		4	130	1
15981-13		2	120 120B	1 1
15981-15		3	125	1
15981-19		2	95B	1
15981-21		2	125B	1
15981-3		3	100	1
15981-47		1 1A	5 5	3 3
15981-49		1 1A	5A 5A	3 3
15981-5		4	100	1
15981-59		1	10B 5B	1 1
15981-7		2	125	1
15981-9		3	130	1
15982-1		2	45	1
15982-11		4	80	1
15982-13		2	70 70B	1 1
15982-15		3	75	1
15982-17		4	125 75	1 1

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PART NUMBER	AIRLINE STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER	TOTAL REQ'D
15982-19		2	45B	1
15982-21		2	75B	1
15982-3		3	50	1
15982-45		1 1A	10 10	3 3
15982-47		1 1A	10A 10A	3 3
15982-5		4	50	1
15982-7		2	75	1
15982-9		3	80	1
15985-5		1	25	1
15985-7		1	25B	1
15986-1		7	65	1
15986-2		7	70	1
15988-3		2 3	195 200	1 1
15988-4		2 3	200 205	1 1
15988-5		2 3	195A 200A	1 1
15988-6		2 3	200A 205A	1 1
15990-1		3 4	5 5	1 1
15990-3		2 3 4	5 5A 5B 5A 5B	1 1 1 1 1

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PART NUMBER	AIRLINE STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER	TOTAL REQ'D
15990-5		2 3 4	5A 5C 5C	1 1 1
15994-1		6	35	1
15995-1		6	5	1
15996-1		2 3 4	115 65 120 70 120 70	4 4 4 4 4 4
15997-1		7	5	1
15998-1		1 1A 7	30 30 1	1 1 RF
15998-2		1 1A 7	30A 30A 1A	1 1 RF
15999-1		7	60	2
15999-3		7	35	2
15999-5		7	40	1
16230-1		7	85	1
16230-2		7	85A	1
16231-1		2	130	1
16231-11		3	140	1
16231-13		3	85	1
16231-15		3	90	1
16231-17		4	135	1
16231-19		4	140	1
16231-21		4	85	1

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PART NUMBER	AIRLINE STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER	TOTAL REQ'D
16231-23		4	90	1
16231-3		2	135	1
16231-5		2	80	1
16231-7		2	85	1
16231-9		3	135	1
16232-1		2	140	1
16232-11		4	95	1
16232-3		2	90	1
16232-35		2	147	2
			93	2
		3	152	2
			98	2
		4	152	2
			98	2
16232-5		3	145	1
16232-7		3	95	1
16232-9		4	145	1
16285-1		5	5	2
16286-1		5	35C	1
16286-13		5	45	1
			45F	1
16286-15		5	45D	1
16286-17		5	125A	1
16286-23		5	85	2
16286-3		5	145C	1
16286-32		5	35A	1
16286-33		5	125	1
16286-4		5	145A	1

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PART NUMBER	AIRLINE STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER	TOTAL REQ'D
16286-41		5	35	1
16286-43		5	145	1
16286-47		5	125C	1
16287-1		5	35B	1
16287-17		5	45B	1
16287-19		5	85A	2
16287-2		5	35D	1
16287-3		5	145B	1
16287-31		5	125B	1
16287-4		5	145D	1
16287-47		5	115	2
16287-49		5	70	2
16287-51		5	110	1
16287-63		5	40	2
16287-65		5	105	1
16289-1	2	150	1	1
	5			RF
16289-10	5	10A		1
16289-11	5	10B		1
16289-12	5	10C		1
16289-3	4	155		1
	5	1B		RF
16289-32	3	155		1
	5	1A		RF
16289-39	2	150A		1
	5	1C		RF

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PART NUMBER	AIRLINE STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER	TOTAL REQ'D
16289-4		4 5	155A 1D	1 RF
16289-41		4 5	155B 1E	1 RF
16289-44		3 5	155A 1F	1 RF
16289-5		5	15	1
16289-6		5	15A	1
16289-7		5	15B	1
16289-8		5	15C	1
16289-9		5	10	1
16297-1		1 6	16 1	1 RF
16297-3		1 1A 6	16A 20 1A	1 1 RF
16297-5		1 6	16B 1B	1 RF
16298-1		6	50	1
16298-11		6	65A	1
16298-13		6	50B	1
16298-15		1	25D	1
16298-17		6	65B	1
16298-3		6	50A	1
16298-5		1	25A	1
16298-7		1 1A	25C 25	1 1
16298-9		6	65	1
16441-1		4	230	1

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PART NUMBER	AIRLINE STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER	TOTAL REQ'D
16441-501		4	230A	1
16442-1		2	215	1
16442-11		4	220	1
16442-23		3	220	1
16442-25		3	225	1
16442-3		4	215	1
16442-5		2	225	1
		3	230	1
16442-505		3	220A	1
16442-507		4	215A	1
16442-7		4	225	1
16442-9		2	220	1
16443-1		2	10	1
16443-21		2	10B 10D	1
16443-23		2	15B 15D	1
16443-3		2	20B 20D	1
16443-31		3 4	10 10	1
16443-33		3 4	20 20	1
16443-35		3 4	15 15	1
16443-41		2	20	1
16443-47		2	10A	1
16443-49		2	15A	1

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PART NUMBER	AIRLINE STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER	TOTAL REQ'D
16443-5		2	15	1
16443-51		2	20A	1
16443-59		2	10C	1
16443-61		2	15C	1
16443-63		2	20C	1
16443-71		3	10A	1
		4	10A	1
17040SS12SLD		7	10	1
18077-1		5	80	1
19028-1		2	26	1
		5	15D	1
19029-1		1	19	1
19610-1		1	22	1
19622-1		2	215A	1
19622-3		2	225A	1
19622-5		2	220A	1
19623-1		2	230A	1
19624-1		2	150B	1
		5	1G	RF
19624-3		5	10F	1
19625		5	35E	1
19625-11		5	135B	AR
19625-3		5	145E	1
19625-7		5	140B	AR
19625-9		5	130B	AR
19770-1		7	75A	4

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PART NUMBER	AIRLINE STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER	TOTAL REQ'D
19876-501		2	75A	1
19876-503		3	80A	1
19876-505		4	80A	1
19876-506		4	80B	1
19876-507		2	125A	1
19876-509		3	130A	1
19876-511		4	130A	1
19876-512		4	130B	1
19877-501		2	70A	1
19877-503		3	75A	1
19877-505		4	75A	1
19877-506		4	75B	1
19877-507		2	120A	1
19877-509		3	125A	1
19877-511		4	125A	1
19877-512		4	125B	1
19878-501		2	45A	1
19878-503		3	50A	1
19878-505		4	50A	1
19878-506		4	50B	1
19879-501		2	95A	1
19879-503		3	100A	1
19879-505		4	100A	1
19879-506		4	100B	1
19890-501		5	45A	1

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PART NUMBER	AIRLINE STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER	TOTAL REQ'D
19890-503		5	45E	1
19890-505		5	45C	1
19905-501		3	225A	1
19905-503		4	220A	1
19906-501		5	10D	1
19906-503		5	10E	1
19907-501		3	15A	1
		4	15A	1
19908-501		3	25A	1
19908-503		4	25A	1
19928-501		4	25	1
19928-503		2	25	1
		3	25	1
19933-501		3	26	1
19960-1		2	142	AR
			91	AR
		3	147	AR
			96	AR
		4	147	AR
			96	AR
19960-3		2	145	AR
			92	AR
		3	150	AR
			97	AR
		4	150	AR
			97	AR
2262		5	106	AR
			111	AR

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PART NUMBER	AIRLINE STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER	TOTAL REQ'D
271		2	116 66 3 121 71 4 121 71	AR AR AR AR AR AR AR
3585-2CNY246		6	60	1
48000099-501		2	30	1
4FSP0001-13		5	130A	AR
4FSP0001-25		5	135A	AR
4FSP0001-3		5	140	AR
503036-401-2251		2	30A	1
503037-401-1449		3 4	30J 30N	1 1
503037-401-2051		3	30Y	1
503037-401-2251		3 4	30A 30A	1 1
503037-401-2258		3 4	30G 30E	1 1
503037-401-2267		3 4	30S 30L	1 1
503037-401-2845		3	30L	1
503037-401-2847		3 4	30N 30G	1 1
503037-401-2849		3	30W	1
503037-401-6331		3 4	30Q 30J	1 1
503037-403-1449		3	30C	1
504813-401-1449		3	30U	1
504813-401-2251		3 4	30E 30C	1 1



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COMPONENT MAINTENANCE MANUAL
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PART NUMBER	AIRLINE STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER	TOTAL REQ'D
504813-401-3294		3	30AA	1
5610-320-62		4	211	4
5610-66-031		6	15	1
67537SS12SLD		7	30	2
802-1		6 7	40 55	1 2

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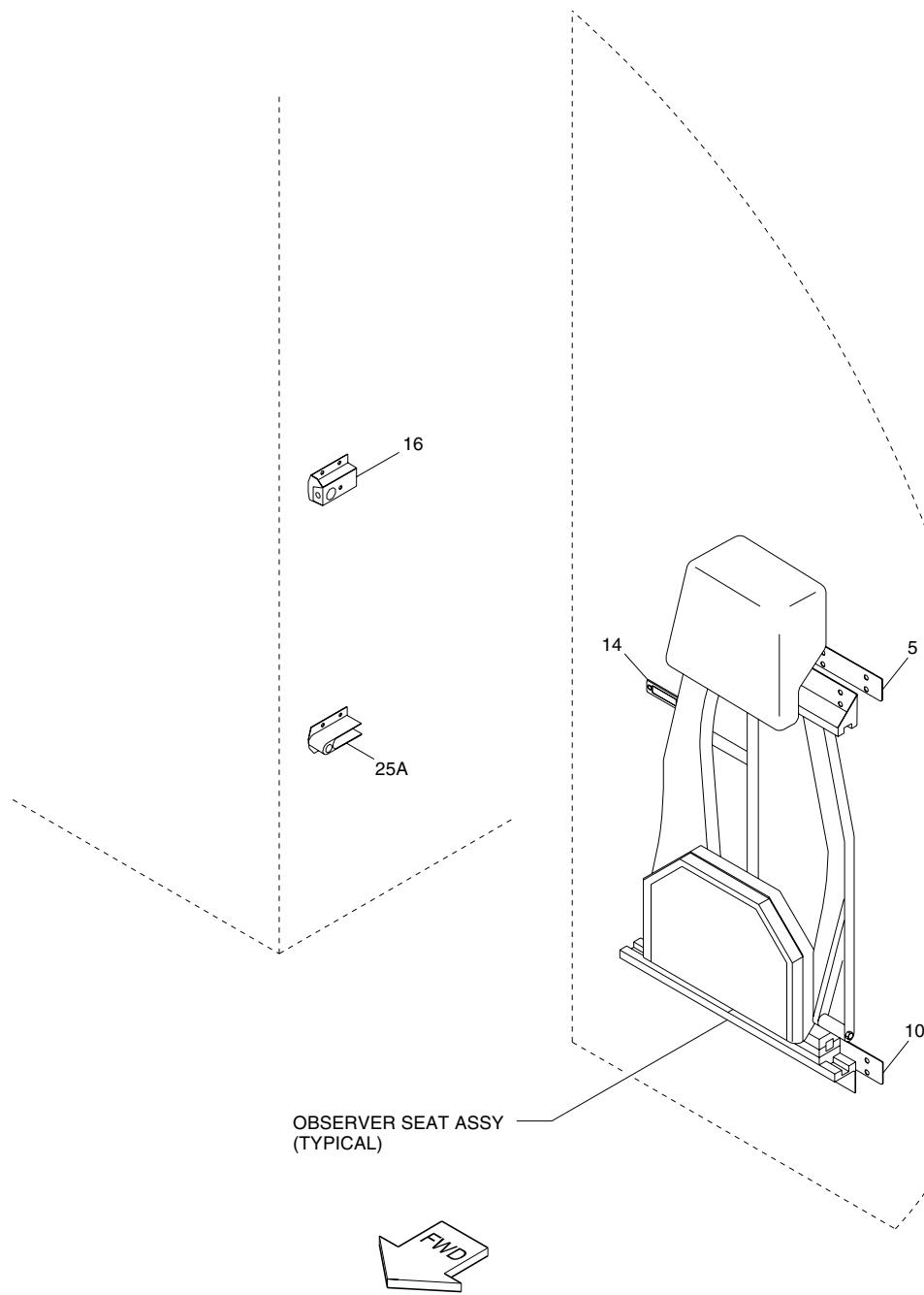
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DETAILED PARTS LIST

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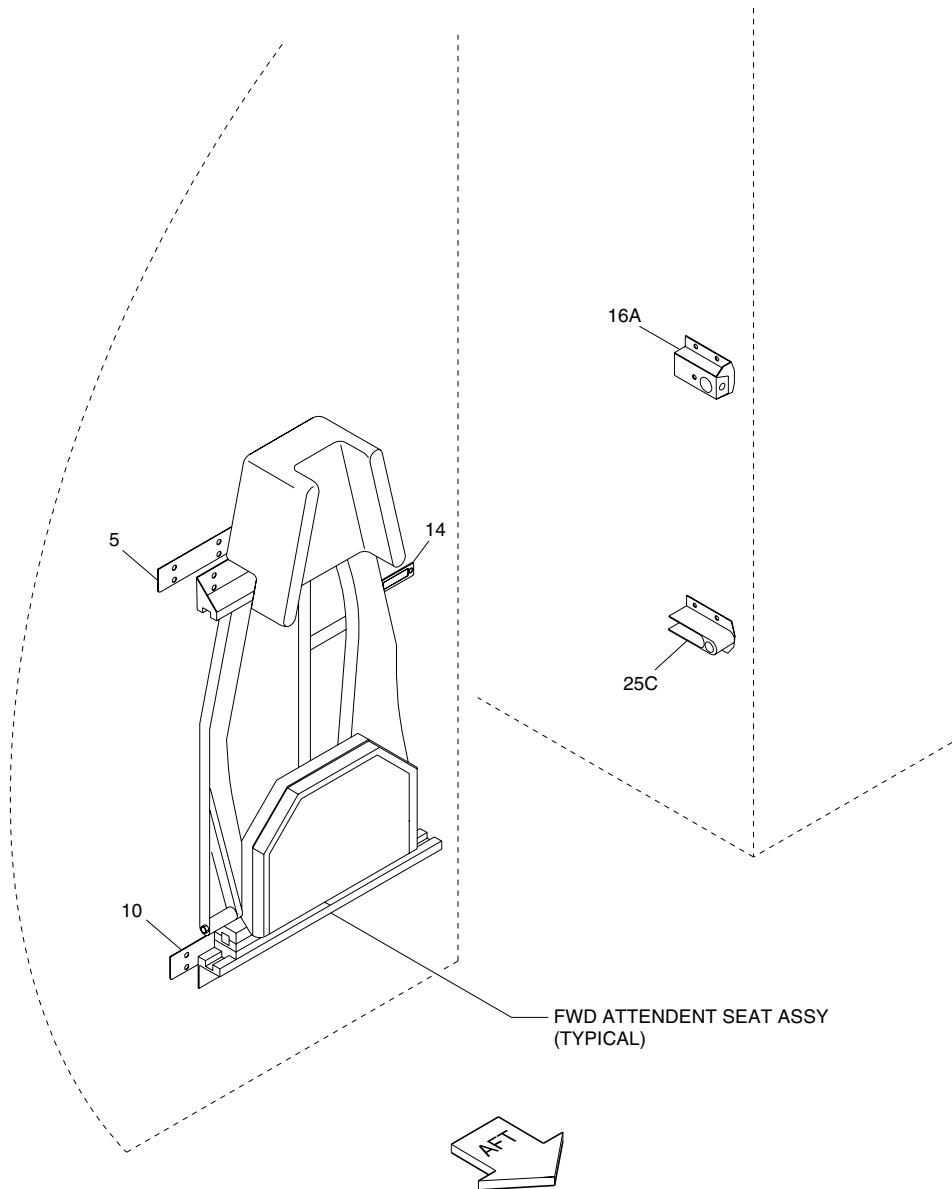
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15680 Series Seat Assemblies
(Sheet 1 of 3)
Figure 1/GRAFIC 25-20-45-950-001-A01

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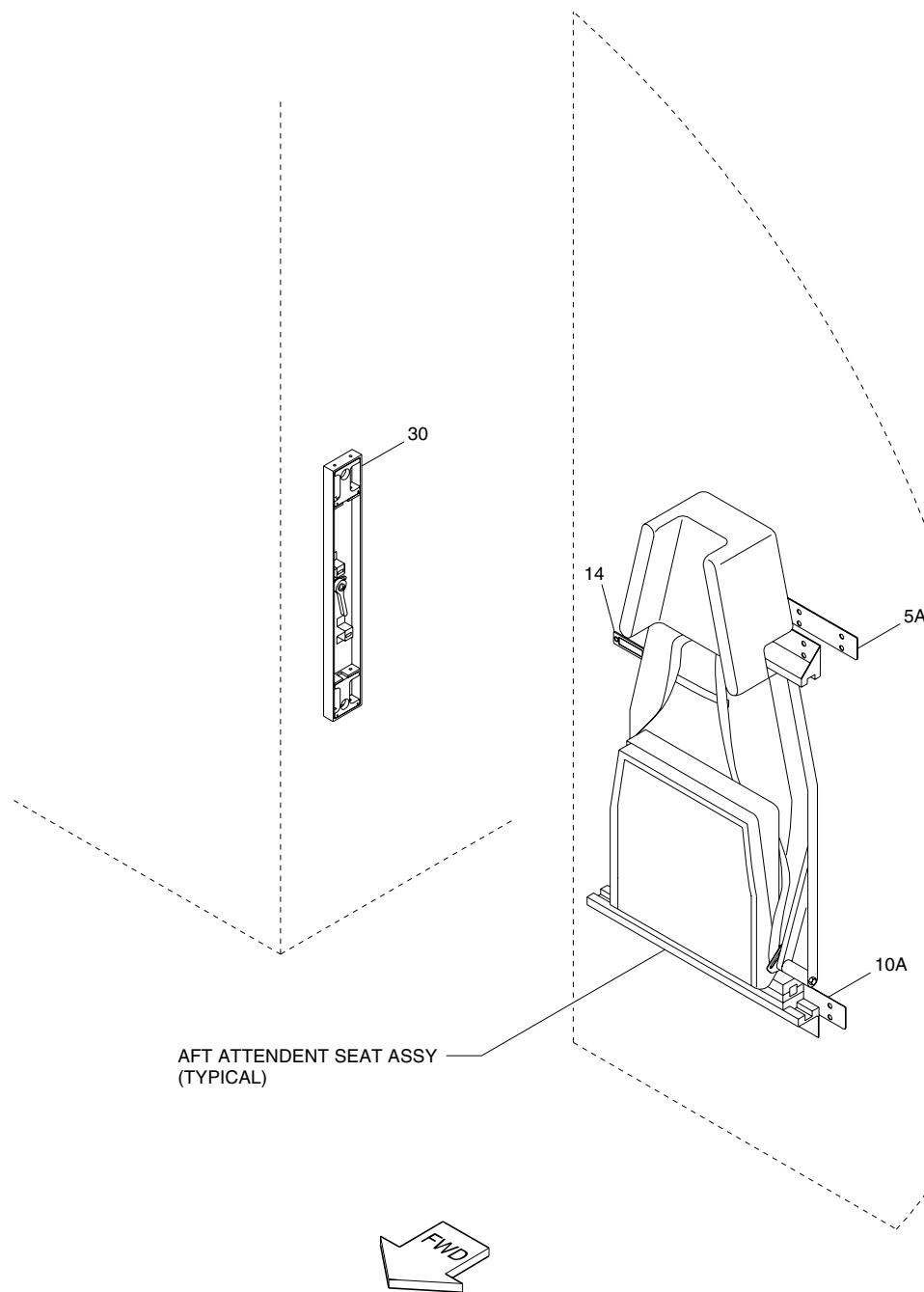
15680 Series Seat Assemblies
(Sheet 2 of 3)
Figure 1/GRAFIC 25-20-45-950-001-A01

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2520450103

15680 Series Seat Assemblies
(Sheet 3 of 3)
Figure 1/GRAFIC 25-20-45-950-001-A01

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**COMPONENT MAINTENANCE MANUAL
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FIG. ITEM	PART NUMBER	AIRLINE STOCK NUMBER	NOMENCLATURE	EFFECT CODE	UNITS PER ASSY
1	15680-11		SEAT ASSY, OBSERVER (CANADAIR SCD 601R40030) SEE FIG. 2 FOR DET	A	RF
– 1A	15680-13		SEAT ASSY, FWD ATTENDANT (CANADAIR SCD 601R431) SEE FIG. 3 FOR DET	B	RF
– 1B	15680-15		SEAT ASSY, AFT ATTENDANT (CANADAIR SCD 601R432) SEE FIG. 4 FOR DET	C	RF
– 1C	15680-21		SEAT ASSY, OBSERVER (CANADAIR SCD 601R40030) SEE FIG. 2 FOR DET	D	RF
– 1D	15680-23		SEAT ASSY, FWD ATTENDANT (CANADAIR SCD 601R4703-11) SEE FIG. 3 FOR DET	E	RF
– 1E	15680-25		SEAT ASSY, AFT ATTENDANT SEE FIG. 4 FOR DET	F	RF
– 1F	15680-27		SEAT ASSY, FWD ATTENDANT SEE FIG. 3 FOR DET	G	RF
– 1G	15680-29		SEAT ASSY, FWD ATTENDANT SEE FIG. 3 FOR DET	H	RF
– 1H	15680-33		SEAT ASSY, AFT ATTENDANT SEE FIG. 4 FOR DET	J	RF
– 1J	15680-35		SEAT ASSY, FWD ATTENDANT SEE FIG. 3 FOR DET	K	RF
– 1K	15680-37		SEAT ASSY, OBSERVER SEE FIG. 2 FOR DET	L	RF
– 1L	15680-39		SEAT ASSY, FWD ATTENDANT SEE FIG. 3 FOR DET	M	RF
– 1M	15680-41		SEAT ASSY, AFT ATTENDANT SEE FIG. 4 FOR DET	N	RF
– 1N	15680-43		SEAT ASSY, FWD ATTENDANT SEE FIG. 3 FOR DET	O	RF
– 1P	15680-45		SEAT ASSY, FWD ATTENDANT SEE FIG. 3 FOR DET	P	RF

– ITEM NOT ILLUSTRATED

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FIG. ITEM	PART NUMBER	AIRLINE STOCK NUMBER	NOMENCLATURE	EFFECT CODE	UNITS PER ASSY
1 – 1Q	15680-47		SEAT ASSY, AFT ATTENDANT SEE FIG. 4 FOR DET	Q	RF
– 1R	15680-49		SEAT ASSY, FWD ATTENDANT SEE FIG. 3 FOR DET	R	RF
– 1S	15680-51		SEAT ASSY, AFT ATTENDANT SEE FIG. 4 FOR DET	S	RF
– 1T	15680-53		SEAT ASSY, FWD ATTENDANT SEE FIG. 3 FOR DET	T	RF
– 1U	15680-16		SEAT ASSY, AFT ATTENDANT SEE FIG. 4 FOR DET	U	RF
– 1V	15680-55		SEAT ASSY, FWD ATTENDANT SEE FIG. 3 FOR DET	V	RF
– 1W	15680-57		SEAT ASSY, AFT ATTENDANT SEE FIG. 4 FOR DET	W	RF
– 1X	15680-59		SEAT ASSY, FWD ATTENDANT SEE FIG. 3 FOR DET	X	RF
– 1Y	15680-67		SEAT ASSY, FWD ATTENDANT SEE FIG. 3 FOR DET	Y	RF
– 1Z	15680-69		SEAT ASSY, AFT ATTENDANT SEE FIG. 4 FOR DET	Z	RF
– 1AA	15680-81		SEAT ASSY, FWD ATTENDANT SEE FIG. 3 FOR DET	AA	RF
– 1AB	15680-83		SEAT ASSY, FWD ATTENDANT SEE FIG. 3 FOR DET	AB	RF
– 1AC	15680-85		SEAT ASSY, FWD ATTENDANT SEE FIG. 3 FOR DET	AC	RF
– 1AD	15680-87		SEAT ASSY, FWD ATTENDANT SEE FIG. 3 FOR DET	AD	RF
– 1AE	15680-89		SEAT ASSY, FWD ATTENDANT SEE FIG. 3 FOR DET	AE	RF
– 1AF	15680-93		SEAT ASSY, AFT ATTENDANT SEE FIG. 4 FOR DET	AF	RF
– 1AG	15680-95		SEAT ASSY, FWD ATTENDANT SEE FIG. 3 FOR DET	AG	RF

– ITEM NOT ILLUSTRATED

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FIG. ITEM	PART NUMBER	AIRLINE STOCK NUMBER	NOMENCLATURE	EFFECT CODE	UNITS PER ASSY
1 – 1AH	15680-97		SEAT ASSY, FWD ATTENDANT SEE FIG. 3 FOR DET	AH	RF
– 1AJ	15680-31		SEAT ASSY, OBSERVER SEE FIG. 2 FOR DET	AJ	RF
5	15981-47		. SHIM (UPPER)	A, B, D, E, G, H, K, P, T, V, Y, AC, AD, AE, AH	3
5A	15981-49		. SHIM (UPPER)	C, F, J, Q, U, W, Z, AF	3
– 5B	15981-59		. SHIM (UPPER) ATTACHING PARTS	AJ	1
– 6	MS21042L3		. NUT (TRUE PN MS21042-L3)	AJ	10
– 7	AN960-10		. WASHER	AJ	40
– 8	NAS6203-9		. SCREW	AJ	14
– 9	NAS6203-7		. BOLT * * *	AJ	6
10	15982-45		. SHIM (LOWER)	A, B, D, E, G, H, K, P, T, V, Y, AB-AD, AE, AH	3
10A	15982-47		. SHIM (LOWER)	C, F, J, Q, U, W, Z, AF	3
– 10B	15981-59		. SHIM (LOWER) ATTACHING PARTS	AJ	1
– 11	MS21042L3		. NUT (TRUE PN MS21042-L3)	AJ	10

– ITEM NOT ILLUSTRATED

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FIG. ITEM	PART NUMBER	AIRLINE STOCK NUMBER	NOMENCLATURE	EFFECT CODE	UNITS PER ASSY
1	– 12 AN960-10		. WASHER	AJ	20
	– 13 NAS6203-9		. SCREW * * *	AJ	10
14	A35010A1P		. LATCH ASSY, RETAINER (V52607) ATTACHING PARTS		1
– 15	NAS514P832-8		. SCREW * * *	AJ	2
16	16297-1		. RECEPTACLE ASSY, BAYONET (UPPER) SEE FIG. 6 FOR DET	A, D, L	1
16A	16297-3		. RECEPTACLE ASSY, BAYONET (UPPER) SEE FIG. 6 FOR DET	B, E, G, H, K, M, O, P, R, T, V, X, Y, AA, AB, AC, AD, AE, AG, AH	1
– 16B	16297-5		. RECEPTACLE ASSY, BAYONET (UPPER) SEE FIG. 6 FOR DET ATTACHING PARTS	AJ	1
– 17	NAS6203-9		. SCREW	AJ	5
– 18	AN960-10		. WASHER * * *	AJ	5
– 19	19029-1		. STRAP ASSY ATTACHING PARTS	AJ	1
– 20	NAS603-8		. SCREW * * *	AJ	1
– 21	NAS43DD3-8		. SPACER	AJ	1
– 22	19610-1		. POUCH ASSY	AJ	1

– ITEM NOT ILLUSTRATED

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COMPONENT MAINTENANCE MANUAL
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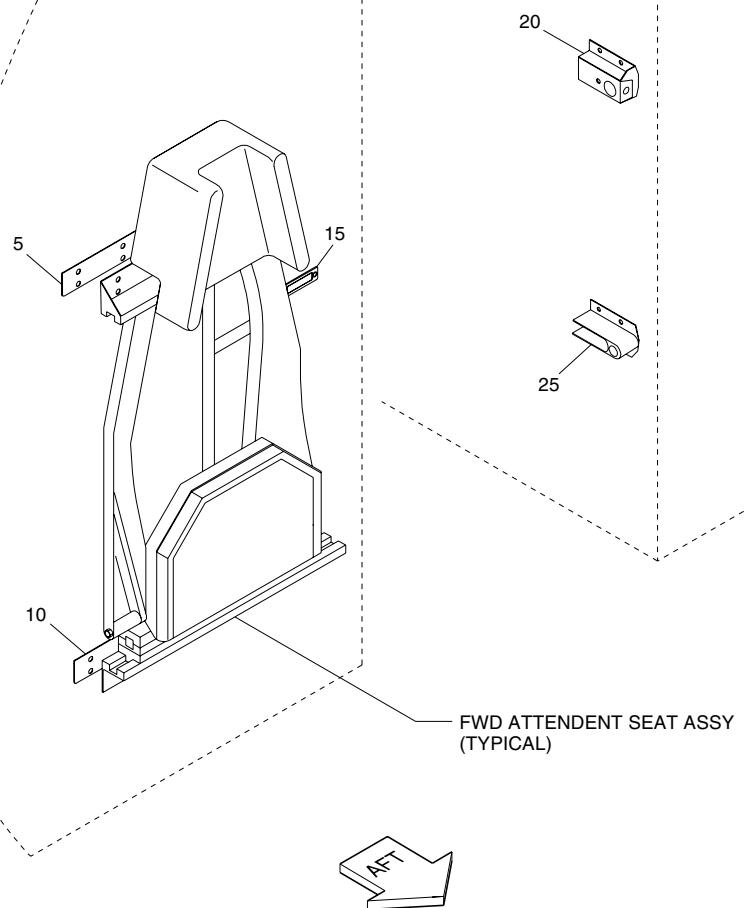
FIG. ITEM	PART NUMBER	AIRLINE STOCK NUMBER	NOMENCLATURE	EFFECT CODE	UNITS PER ASSY
1			ATTACHING PARTS		
– 23	NAS602-8		. SCREW	AJ	6
– 24	AN960-8		. WASHER	AJ	6
			* * *		
– 25	15985-5		. FITTING, BAYONET (LOWER) SUPSD BY ITEM 25A	A, D	1
25A	16298-5		. FITTING, BAYONET (LOWER) SUPSDS ITEM -25	A, D, L	1
– 25B	15985-7		. FITTING, BAYONET (LOWER) SUPSD BY ITEM 25C	B, E, G, H, K, P, T, V, Y, AA, AB	1
25C	16298-7		. FITTING, BAYONET (LOWER) SUPSDS ITEM -25B	B, E, G, H, K, M, O, P, R, T, V, X, Y, AA-AE, AH	1
– 25D	16298-15		. FITTING, BAYONET (LOWER)	AJ	1
			ATTACHING PARTS		
– 26	NAS6203-9		. SCREW	AJ	5
– 27	AN960-10		. WASHER	AJ	5
			* * *		
30	15998-1		. LATCH INSTL SEE FIG. 7 FOR DET	C, F, O, Q, U, X, Y, Z, AF, AJ	1
– 30A	15998-2		. LATCH INSTL SEE FIG. 7 FOR DET	S	1

– ITEM NOT ILLUSTRATED

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25204501A01

15680 Series Seat Assemblies
(Sheet 1 of 2)
Figure 1A/GRAFPHIC 25-20-45-950-002-A01

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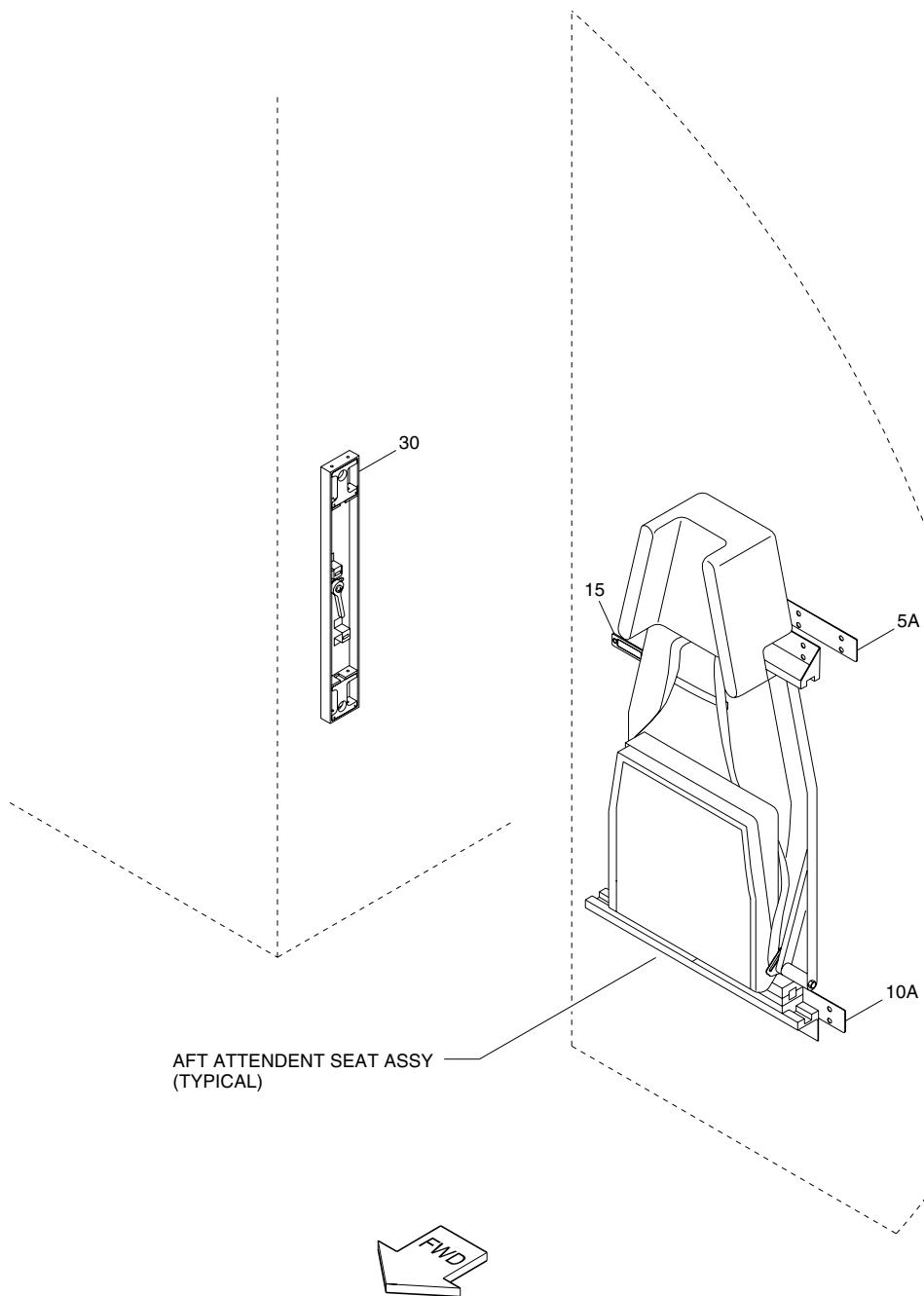


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COMPONENT MAINTENANCE MANUAL

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15680 Series Seat Assemblies
(Sheet 2 of 2)
Figure 1A/GRAFIC 25-20-45-950-002-A01

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COMPONENT MAINTENANCE MANUAL
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**COMPONENT MAINTENANCE MANUAL
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FIG. ITEM	PART NUMBER	AIRLINE STOCK NUMBER	NOMENCLATURE	EFFECT CODE	UNITS PER ASSY
1A	– 1 15680-73		SEAT ASSY, AFT ATTENDANT SEE FIG. 4 FOR DET	A	RF
	– 1A 15680-77		SEAT ASSY, FWD ATTENDANT SEE FIG. 3 FOR DET	B	RF
	– 1B 15680-79		SEAT ASSY, FWD ATTENDANT SEE FIG. 3 FOR DET	C	RF
	– 1C 15680-75		SEAT ASSY, AFT ATTENDANT SEE FIG. 4 FOR DET	D	RF
	– 1D 15680-18		SEAT ASSY, AFT ATTENDANT SEE FIG. 4 FOR DET	E	RF
	– 1E 15680-91		SEAT ASSY, FWD ATTENDANT SEE FIG. 3 FOR DET	F	RF
	– 1F 15680-99		SEAT ASSY, FWD ATTENDANT SEE FIG. 3 FOR DET	G	RF
	– 1G 15680-101		SEAT ASSY, AFT ATTENDANT SEE FIG. 4 FOR DET	H	RF
	– 1H 15680-103		SEAT ASSY, FWD ATTENDANT SEE FIG. 3 FOR DET	J	RF
	– 1J 15680-105		SEAT ASSY, AFT ATTENDANT SEE FIG. 4 FOR DET	K	RF
	– 1K 15680-107		SEAT ASSY, FWD ATTENDANT SEE FIG. 3 FOR DET	L	RF
	– 1L 15680-109		SEAT ASSY, AFT ATTENDANT SEE FIG. 4 FOR DET	M	RF
	– 1M 15680-111		SEAT ASSY, FWD ATTENDANT SEE FIG. 3 FOR DET	N	RF
	– 1N 15680-113		SEAT ASSY, AFT ATTENDANT SEE FIG. 4 FOR DET	P	RF
	– 1P 15680-115		SEAT ASSY, FWD ATTENDANT SEE FIG. 3 FOR DET	Q	RF
	– 1Q 15680-117		SEAT ASSY, AFT ATTENDANT SEE FIG. 4 FOR DET	R	RF
	– 1R 15680-119		SEAT ASSY, AFT ATTENDANT SEE FIG. 4 FOR DET	S	RF

– ITEM NOT ILLUSTRATED

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FIG. ITEM	PART NUMBER	AIRLINE STOCK NUMBER	NOMENCLATURE	EFFECT CODE	UNITS PER ASSY
1A 5	15981-47		. SHIM (UPPER)	G	3
5A	15981-49		. SHIM (UPPER)	H	3
10	15982-45		. SHIM (LOWER)	G	3
10A	15982-47		. SHIM (LOWER)	H	3
15	A35010A1P		. LATCH ASSY, RETAINER (V52607)		1
20	16297-3		. RECEPTACLE ASSY, BAYONET (UPPER) SEE FIG. 6 FOR DET	B, C, F, G, J, L, N, Q	1
25	16298-7		. FITTING, BAYONET (LOWER)	B, C, F, G, J, L, N, Q	1
30	15998-1		. LATCH INSTL (UPPER) SEE FIG. 7 FOR DET	H, N	1
- 30A	15998-2		. LATCH INSTL (UPPER) SEE FIG. 7 FOR DET	E	1

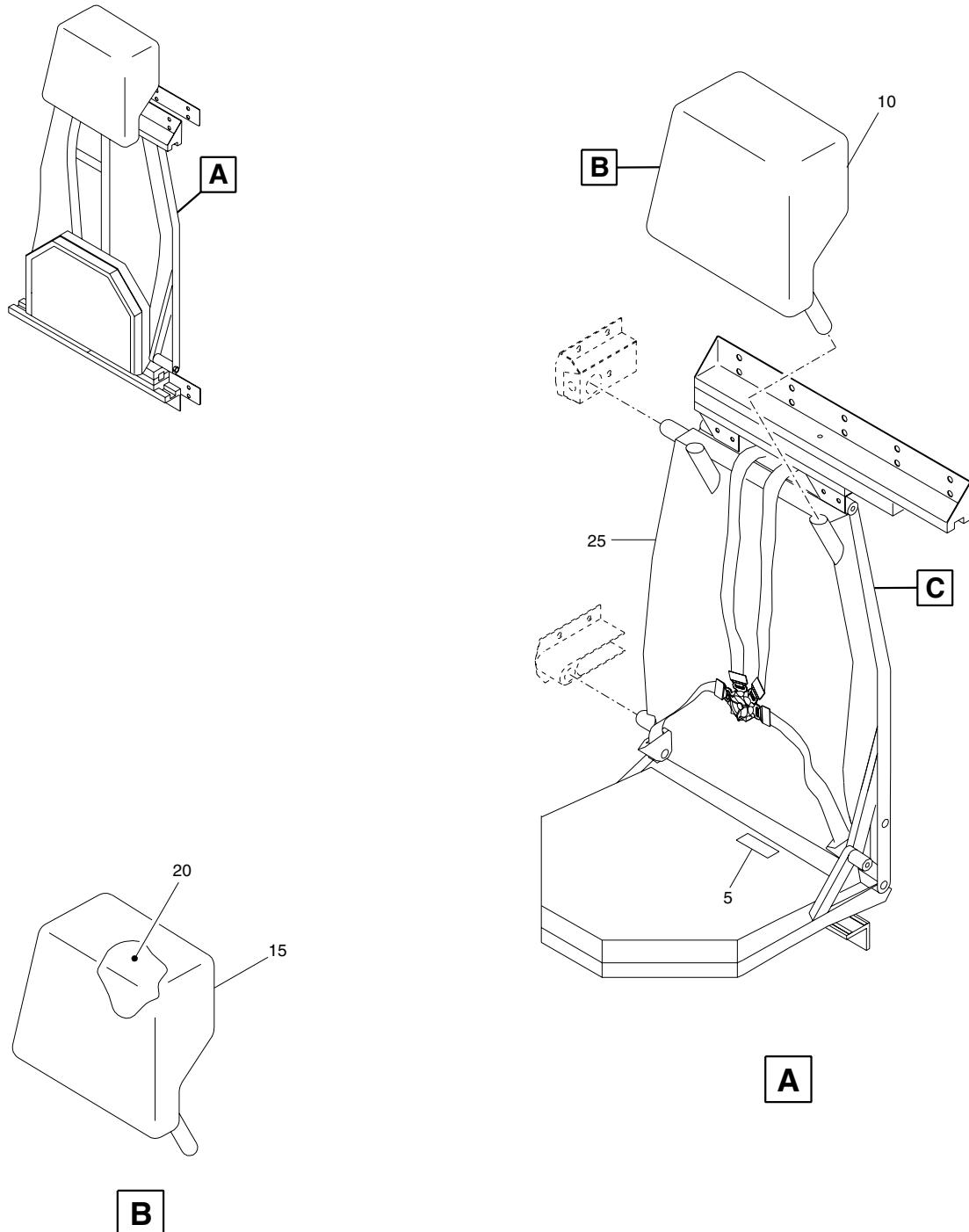
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COMPONENT MAINTENANCE MANUAL
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COMPONENT MAINTENANCE MANUAL
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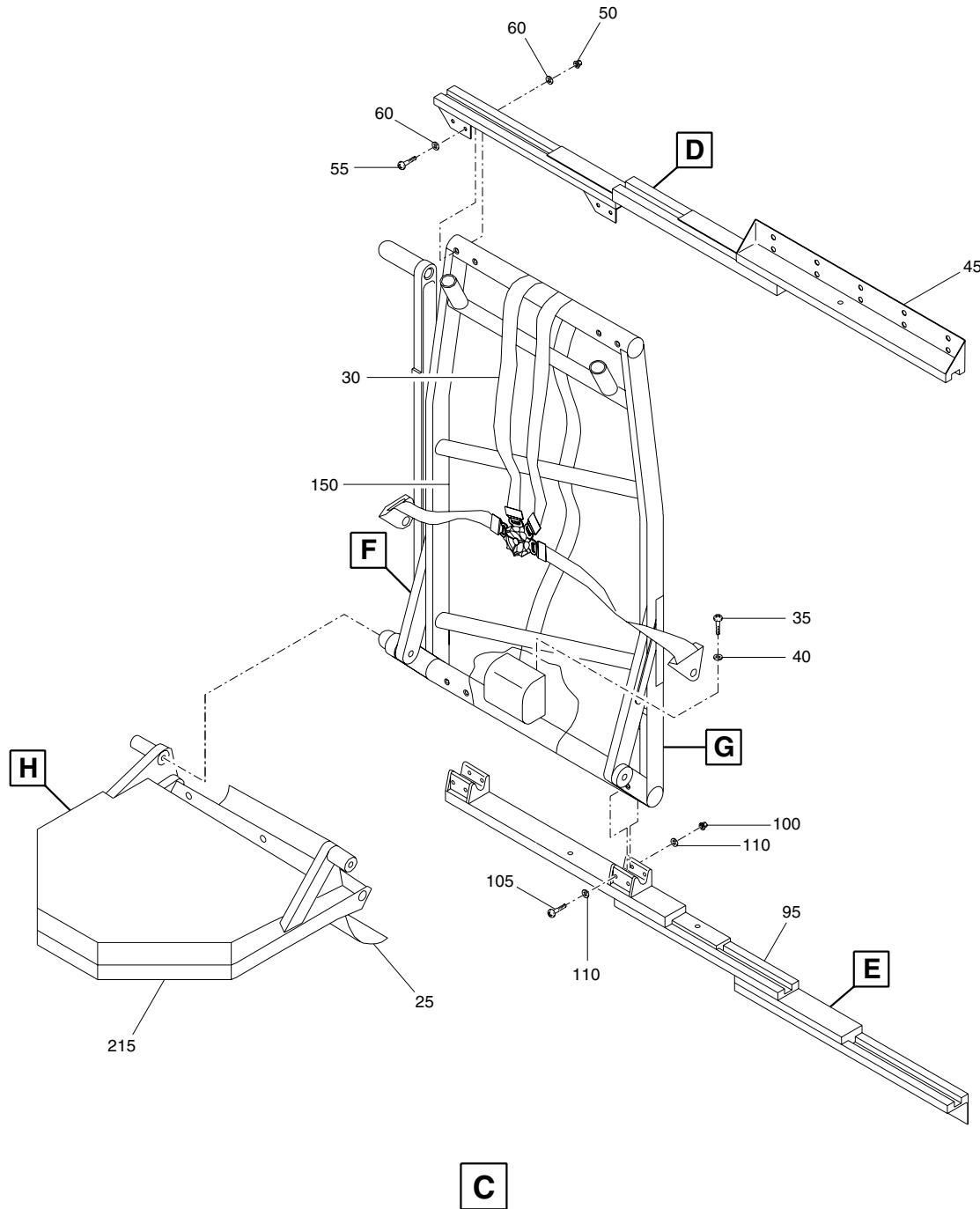
Observer Seat Assemblies
 (Sheet 1 of 4)
 Figure 2/GRAFIC 25-20-45-950-003-A01

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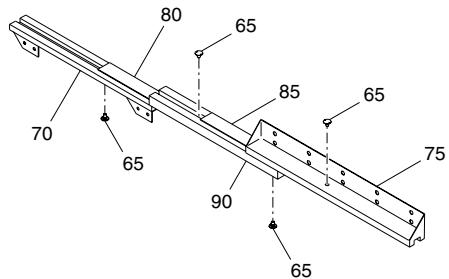
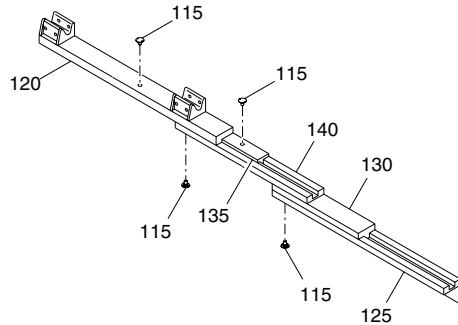
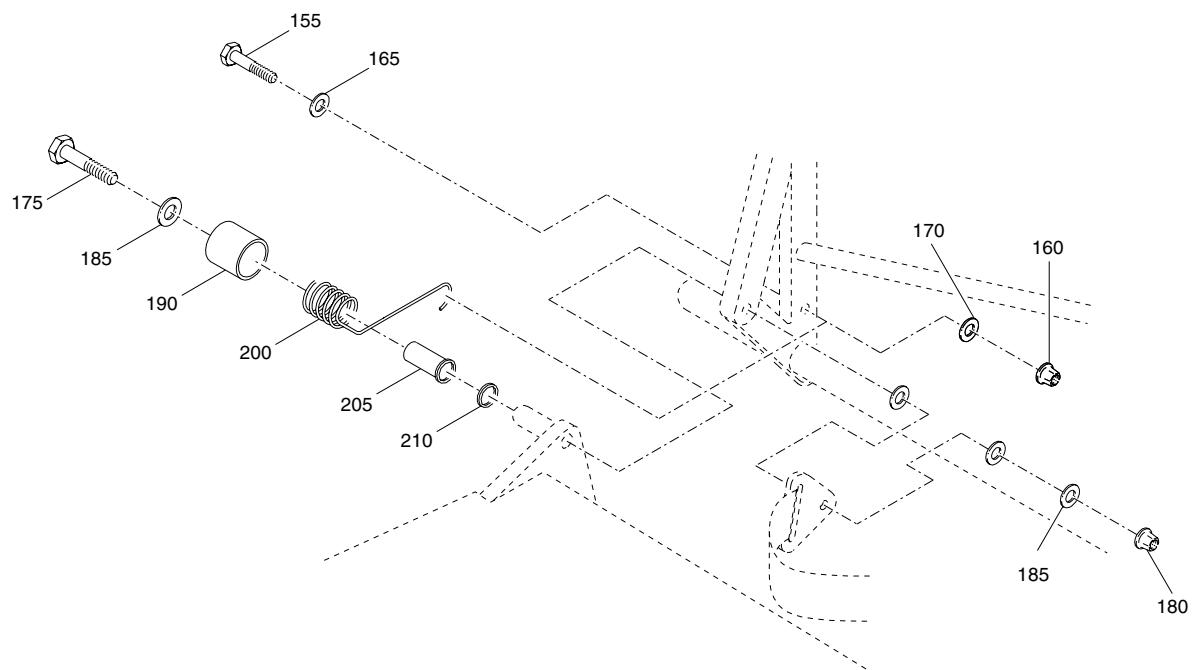
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Observer Seat Assemblies
(Sheet 2 of 4)
Figure 2/GRAFIC 25-20-45-950-003-A01

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D

E

F

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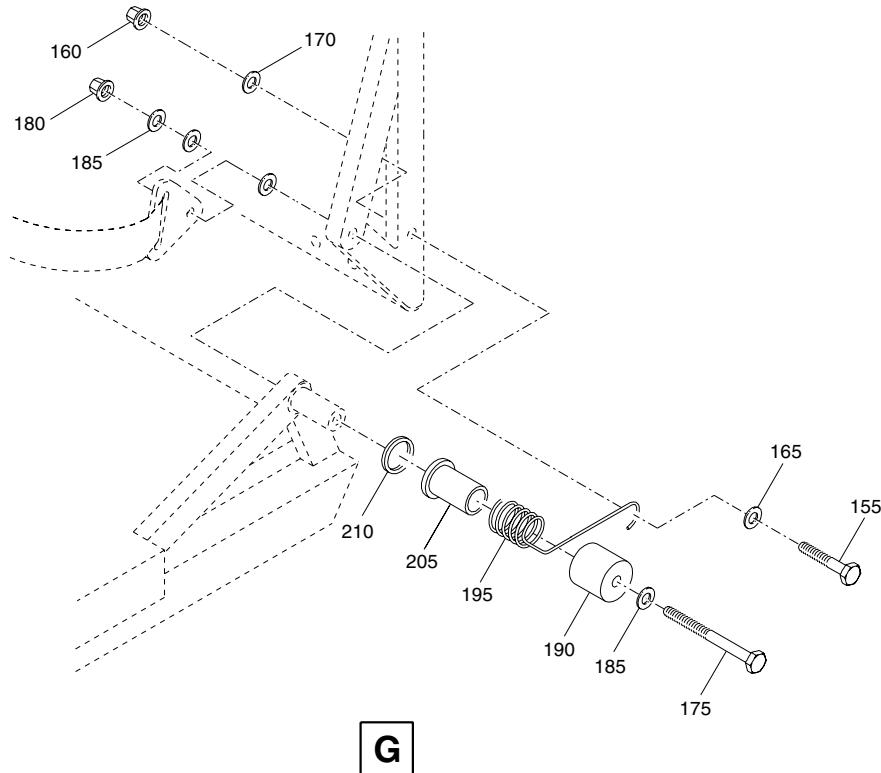
 Observer Seat Assemblies
 (Sheet 3 of 4)
 Figure 2/GRAFIC 25-20-45-950-003-A01

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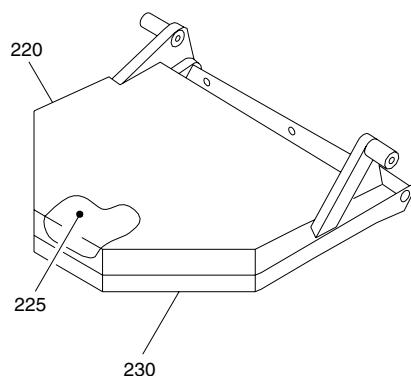
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G



H

Observer Seat Assemblies
(Sheet 4 of 4)
Figure 2/GRAFIC 25-20-45-950-003-A01

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COMPONENT MAINTENANCE MANUAL
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FIG. ITEM	PART NUMBER	AIRLINE STOCK NUMBER	NOMENCLATURE	EFFECT CODE	UNITS PER ASSY
2 - 1	15680-11		SEAT ASSY, OBSERVER (CANADAIR SCD 601R430) SEE FIG. 1 FOR NHA	A	RF
	- 1A	15680-21	SEAT ASSY, OBSERVER (CANADAIR SCD 601R430) SEE FIG. 1 FOR NHA	B	RF
	- 1B	15680-37	SEAT ASSY, OBSERVER (CANADAIR SCD 601R430) SEE FIG. 1 FOR NHA	C	RF
	- 1C	15680-31	SEAT ASSY, OBSERVER SEE FIG. 1 FOR NHA	D	RF
	5	15990-3	. NAMEPLATE RPLD BY -5A		1
	- 5A	15990-5	. NAMEPLATE RPLS 5		1
	10	16443-1	. HEADREST ASSY, UPHOLSTERED	A	1
	- 10A	16443-47	. HEADREST ASSY, UPHOLSTERED	B	1
	- 10B	16443-21	. HEADREST ASSY, UPHOLSTERED SUPSD BY ITEM -10C	C	1
	- 10C	16443-59	. HEADREST ASSY, UPHOLSTERED SUPSDS ITEM -10B	C	1
	- 10D	16443-21	. HEADREST ASSY, UPHOLSTERED	D	1
	15	16443-5	.. COVER ASSY, DRESS	A	1
	- 15A	16443-49	.. COVER ASSY, DRESS	B	1
	- 15B	16443-23	.. COVER ASSY, DRESS SUPSD BY ITEM -15C	C	1
	- 15C	16443-61	.. COVER ASSY, DRESS SUPSDS ITEM -15B	C	1
	- 15D	16443-23	.. COVER ASSY, DRESS	D	1
	20	16443-41	.. CUSHION ASSY, FIREBLOCKED	A	1
	- 20A	16443-51	.. CUSHION ASSY, FIREBLOCKED	B	1

- ITEM NOT ILLUSTRATED

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FIG. ITEM	PART NUMBER	AIRLINE STOCK NUMBER	NOMENCLATURE	EFFECT CODE	UNITS PER ASSY
2	16443-3		.. CUSHION ASSY, FIREBLOCKED SUPSD BY ITEM -20C	C	1
– 20C	16443-63		.. CUSHION ASSY, FIREBLOCKED SUPSDS ITEM -20B	C	1
– 20D	16443-3		.. CUSHION ASSY, FIREBLOCKED	D	1
25	19928-503		. COVER ASSY, CLOSEOUT POST SB 15680-25-08	A, B, C	1
– 26	19028-1		. BACK CUSHION, FLOTATION	D	1
30	48000099-501		. RESTRAINT SYSTEM (TRUE PN 48000099-501-2251)		1
– 30A	503036-401-2251		. RESTRAINT SYSTEM (VENDORS PN TO ITEM 30) (V35FB9) ATTACHING PARTS		1
35	NAS623-4-5		. SCREW (REEL ATTACH)		2
40	AN960-416		. WASHER (REEL ATTACH) SUPSD BY ITEM -40A	A, B, C	2
– 40A	AN960-416L		. WASHER (REEL ATTACH) SUPSDS ITEM 40 * * *		2
45	15982-1		. SLIDE ASSY, UPPER SUPSD BY ITEM -45A	A, B, C	1
– 45A	19878-501		. SLIDE ASSY, UPPER SUPSDS ITEM 45	A, B, C	1
– 45B	15982-19		. SLIDE ASSY, UPPER ATTACHING PARTS	D	1
50	MS21042-3		. NUT		4
55	MS27039-1-25		. SCREW SUPSD BY ITEM -55A	A, B, C	4

– ITEM NOT ILLUSTRATED

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FIG. ITEM	PART NUMBER	AIRLINE STOCK NUMBER	NOMENCLATURE	EFFECT CODE	UNITS PER ASSY
2 - 55A	NAS623-3-20		. SCREW SUPSDS ITEM 55		4
60	AN960-10		. WASHER SUPSD BY ITEM -60A	A, B, C	8
- 60A	AN960-10L		. WASHER SUPSDS ITEM 60		8
			* * *		
- 63	WA9659-750-111		.. TAPE (BONDED) (0.75 BEIGE) (LOOP)	A, B, C	AR
- 64	DP100		.. ADHESIVE, EPOXY (V76381)	A, B, C	AR
65	15996-1		.. SCREW, STOP		4
- 66	271		.. LOCTITE		AR
70	15982-13		.. BRACKET ASSY, SEAT MOUNT SUPSD BY ITEM -70A	A, B, C	1
- 70A	19877-501		.. BRACKET ASSY, SEAT MOUNT SUPSDS ITEM 70	A, B, C	1
- 70B	15982-13		.. BRACKET ASSY, SEAT MOUNT	D	1
75	15982-7		.. BRACKET ASSY, WALL MOUNT SUPSD BY ITEM -75A	A, B, C	1
- 75A	19876-501		.. BRACKET ASSY, WALL MOUNT SUPSDS ITEM 75	A, B, C	1
- 75B	15982-21		.. BRACKET ASSY, WALL MOUNT	D	1
80	16231-5		.. INSERT, SLIDE		1
85	16231-7		.. INSERT, SLIDE		1
90	16232-3		.. CHANNEL ASSY, DUPLEX		1
- 91	19960-1		... RULON		AR
- 92	19960-3		... RULON		AR
- 93	16232-35		... RULON		2

- ITEM NOT ILLUSTRATED

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FIG. ITEM	PART NUMBER	AIRLINE STOCK NUMBER	NOMENCLATURE	EFFECT CODE	UNITS PER ASSY
2 95	15981-1		. SLIDE ASSY, LOWER SUPSD BY ITEM -95A	A, B, C	1
– 95A	19879-501		. SLIDE ASSY, LOWER SUPSDS ITEM 95	A, B, C	1
– 95B	15981-19		. SLIDE ASSY, LOWER ATTACHING PARTS	D	1
100	MS21042-3		. NUT		4
105	MS27039-1-25		. SCREW SUPSD BY ITEM -105A	A, B, C	4
– 105A	NAS623-3-20		. SCREW SUPSDS ITEM 105		4
110	AN960-10L		. WASHER		8

115	15996-1		.. SCREW, STOP		4
– 116	271		.. LOCTITE		AR
120	15981-13		.. BRACKET ASSY, SEAT MOUNT SUPSD BY ITEM -120A	A, B, C	1
– 120A	19877-507		.. BRACKET ASSY, SEAT MOUNT SUPSDS ITEM 120	A, B, C	1
– 120B	15981-13		.. BRACKET ASSY, SEAT MOUNT	D	1
125	15981-7		.. BRACKET ASSY, WALL MOUNT SUPSD BY ITEM -125A	A, B, C	1
– 125A	19876-507		.. BRACKET ASSY, WALL MOUNT SUPSDS ITEM 125	A, B, C	1
– 125B	15981-21		.. BRACKET ASSY, WALL MOUNT	D	1
130	16231-1		.. INSERT, SLIDE		1
135	16231-3		.. INSERT, SLIDE		1
140	16232-1		.. CHANNEL ASSY, DUPLEX		1
– 142	19960-1		... RULON		AR
– 145	19960-3		... RULON		AR

– ITEM NOT ILLUSTRATED

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FIG. ITEM	PART NUMBER	AIRLINE STOCK NUMBER	NOMENCLATURE	EFFECT CODE	UNITS PER ASSY
2 – 147	16232-35		... RULON		2
150	16289-1		. BACK ASSY, UPHOLSTERED SEE FIG. 5 FOR DET	A, B	1
– 150A	16289-39		. BACK ASSY, UPHOLSTERED SEE FIG. 5 FOR DET	C	1
– 150B	19624-1		. BACK ASSY, UPHOLSTERED SEE FIG. 5 FOR DET	D	1
			ATTACHING PARTS		
155	AN3-10A		. BOLT (SPRING RETAINING)		2
160	MS21042-5		. NUT (SPRING RETAINING)		2
165	AN970-3		. WASHER (SPRING RETAINING) SUPSD BY ITEM -165A	A, B, C	2
– 165A	MS21783-52		. WASHER SUPSDS ITEM 165		2
170	AN960-10		. WASHER (SPRING RETAINING)		2
175	NAS1305-40		. BOLT		2
180	MS21042-5		. NUT		2
185	AN960-516L		. WASHER		8
– 185A	AN960-516		. WASHER (ALT TO ITEM 185)		8
			* * *		
190	122-7		. COVER, SPRING	A	2
195	15988-3		. SPRING, RETURN (LH) SUPSD BY ITEM -195A PRE SB 41220000-25-02	A, B, C	1
– 195A	15988-5		. SPRING, RETURN (LH) SUPSDS ITEM 195 POST SB 41220000-25-02		1

– ITEM NOT ILLUSTRATED

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FIG. ITEM	PART NUMBER	AIRLINE STOCK NUMBER	NOMENCLATURE	EFFECT CODE	UNITS PER ASSY
2 200	15988-4		. SPRING, RETURN (RH) SUPSD BY ITEM -200A PRE SB 41220000-25-02	A, B, C	1
– 200A	15988-6		. SPRING, RETURN (RH) SUPSDS ITEM 200 POST SB 41220000-25-02		1
205	122-9		. SLEEVE, SPRING SUPSD BY ITEM -205A PRE SB 41220000-25-02	A, B, C	2
– 205A	122-11		. SLEEVE, SPRING SUPSDS ITEM 205 POST SB 41220000-25-02		2
210	AN960-1216L		. WASHER		2
215	16442-1		. BOTTOM ASSY, UPHOLSTERED	A, B, C	1
– 215A	19622-1		. BOTTOM ASSY, UPHOLSTERED	D	1
220	16442-9		.. COVER ASSY, DRESS	A, B, C	1
– 220A	19622-5		.. COVER ASSY, DRESS	D	1
225	16442-5		.. CUSHION ASSY, FIREBLOCKED	A, B, C	1
– 225A	19622-3		.. CUSHION ASSY, FIREBLOCKED	D	1
230	15977-1		.. STRUCTURE ASSY	A, B, C	1
– 230A	19623-1		.. STRUCTURE ASSY	D	1

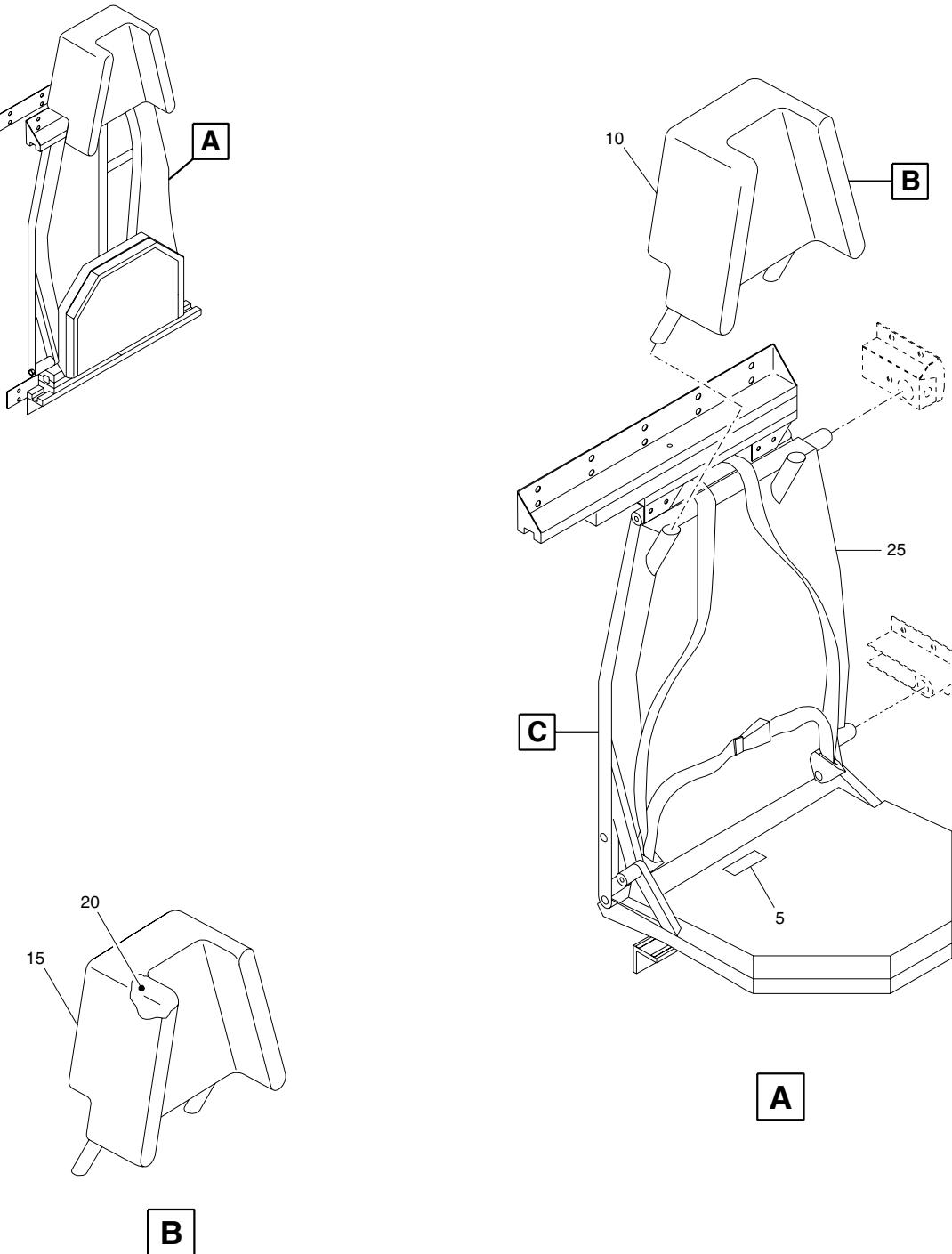
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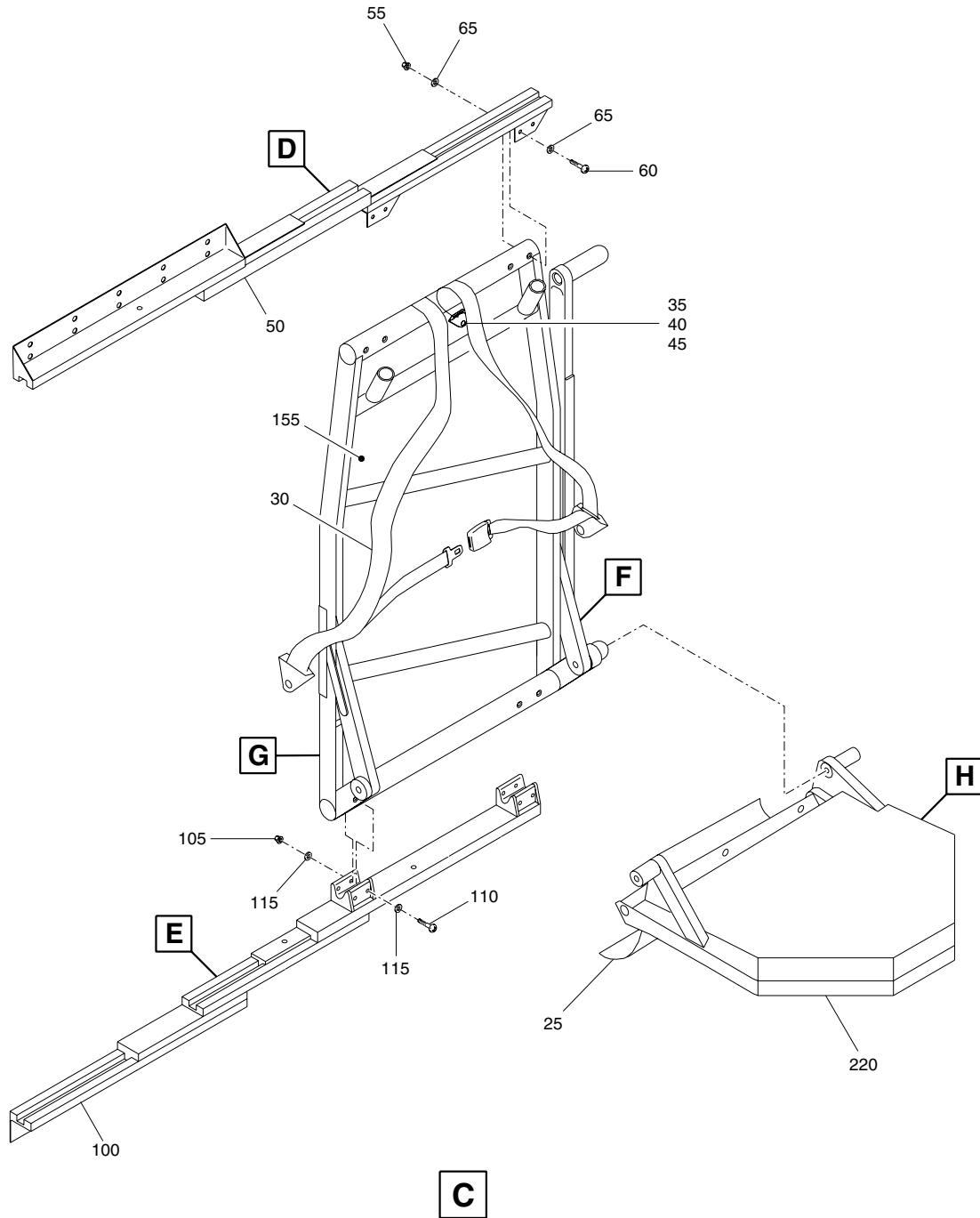
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 Fwd Attendant Seat Assemblies
 (Sheet 1 of 4)
 Figure 3/GRAFIC 25-20-45-950-004-A01

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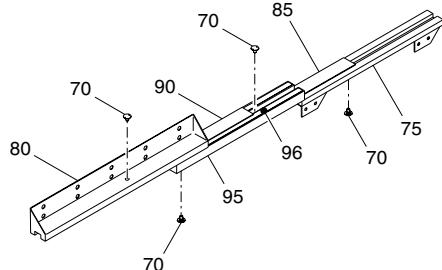
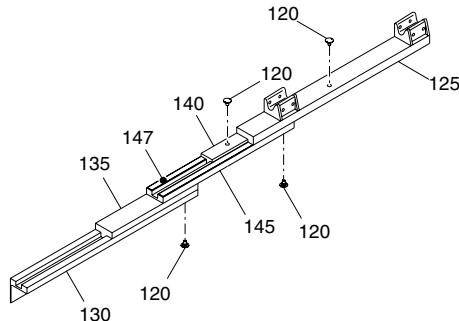
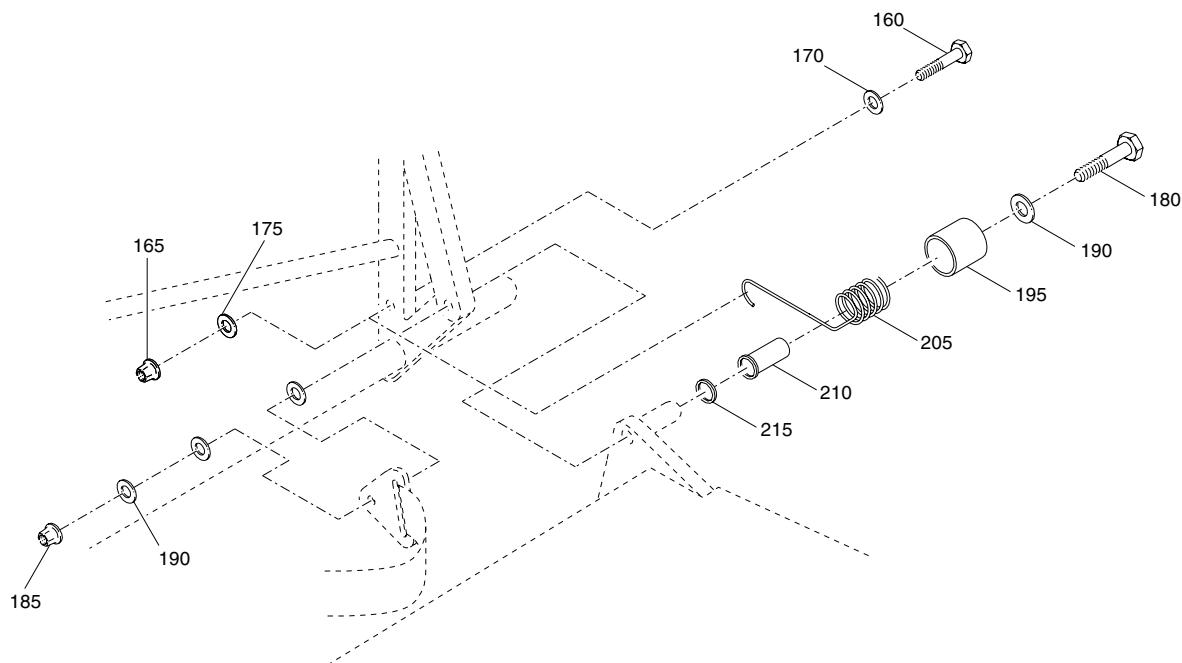
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Fwd Attendant Seat Assemblies
(Sheet 2 of 4)
Figure 3/GRAFIC 25-20-45-950-004-A01

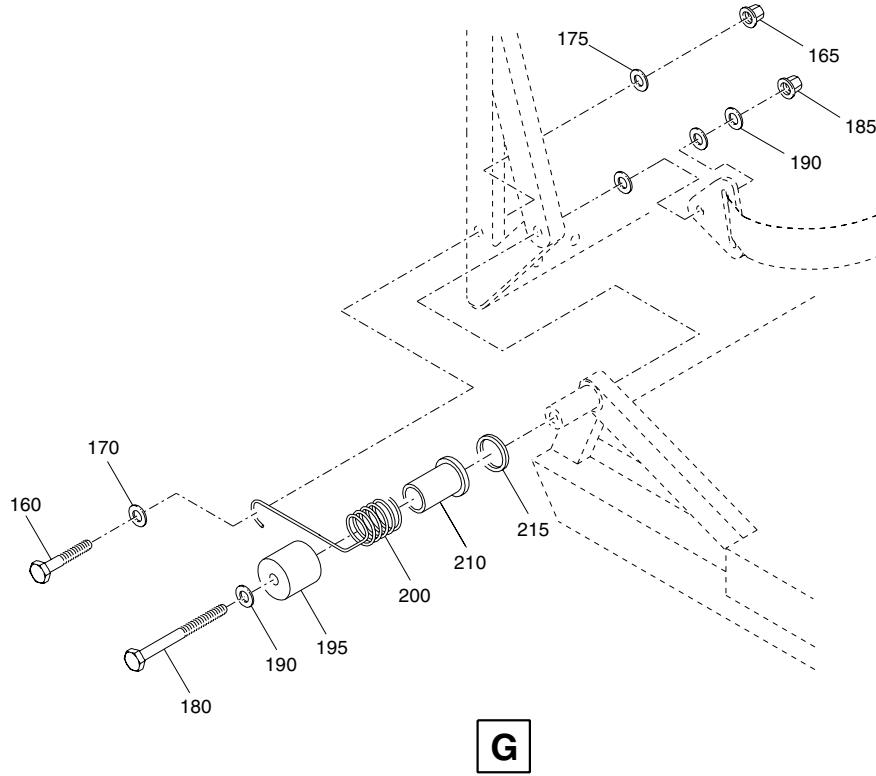
COMPONENT MAINTENANCE MANUAL
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Fwd Attendant Seat Assemblies
 (Sheet 3 of 4)
 Figure 3/GRAFIC 25-20-45-950-004-A01

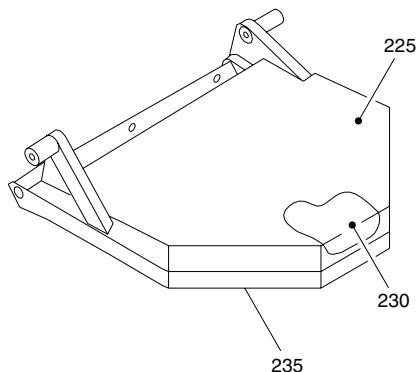
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Fwd Attendant Seat Assemblies
(Sheet 4 of 4)
Figure 3/GRAFIC 25-20-45-950-004-A01

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15680

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**COMPONENT MAINTENANCE MANUAL
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FIG. ITEM	PART NUMBER	AIRLINE STOCK NUMBER	NOMENCLATURE	EFFECT CODE	UNITS PER ASSY
3	– 1	15680-13	SEAT ASSY, FWD ATTENDANT SEE FIG. 1 FOR NHA	A	RF
	– 1A	15680-23	SEAT ASSY, FWD ATTENDANT SEE FIG. 1 FOR NHA	B	RF
	– 1B	15680-27	SEAT ASSY, FWD ATTENDANT SEE FIG. 1 FOR NHA	C	RF
	– 1C	15680-29	SEAT ASSY, FWD ATTENDANT SEE FIG. 1 FOR NHA	D	RF
	– 1D	15680-35	SEAT ASSY, FWD ATTENDANT SEE FIG. 1 FOR NHA	E	RF
	– 1E	15680-39	SEAT ASSY, FWD ATTENDANT SEE FIG. 1 FOR NHA	F	RF
	– 1F	15680-43	SEAT ASSY, FWD ATTENDANT SEE FIG. 1 FOR NHA	G	RF
	– 1G	15680-45	SEAT ASSY, FWD ATTENDANT SEE FIG. 1 FOR NHA	H	RF
	– 1H	15680-49	SEAT ASSY, FWD ATTENDANT SEE FIG. 1 FOR NHA	J	RF
	– 1J	15680-53	SEAT ASSY, FWD ATTENDANT SEE FIG. 1 FOR NHA	K	RF
	– 1K	15680-55	SEAT ASSY, FWD ATTENDANT SEE FIG. 1 FOR NHA	L	RF
	– 1L	15680-59	SEAT ASSY, FWD ATTENDANT SEE FIG. 1 FOR NHA	M	RF
	– 1M	15680-67	SEAT ASSY, FWD ATTENDANT SEE FIG. 1 FOR NHA	N	RF
	– 1N	15680-77	SEAT ASSY, FWD ATTENDANT SEE FIG. 1A FOR NHA	O	RF
	– 1P	15680-79	SEAT ASSY, FWD ATTENDANT SEE FIG. 1A FOR NHA	P	RF
	– 1R	15680-81	SEAT ASSY, FWD ATTENDANT SEE FIG. 1 FOR NHA	R	RF
	– 1S	15680-83	SEAT ASSY, FWD ATTENDANT SEE FIG. 1 FOR NHA	S	RF

– ITEM NOT ILLUSTRATED

COMPONENT MAINTENANCE MANUAL
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FIG. ITEM	PART NUMBER	AIRLINE STOCK NUMBER	NOMENCLATURE	EFFECT CODE	UNITS PER ASSY
			1234567		
3 – 1T	15680-85		SEAT ASSY, FWD ATTENDANT SEE FIG. 1 FOR NHA	T	RF
– 1U	15680-87		SEAT ASSY, FWD ATTENDANT SEE FIG. 1 FOR NHA	U	RF
– 1V	15680-89		SEAT ASSY, FWD ATTENDANT SEE FIG. 1 FOR NHA	V	RF
– 1W	15680-95		SEAT ASSY, FWD ATTENDANT SEE FIG. 1 FOR NHA	W	RF
– 1Y	15680-97		SEAT ASSY, FWD ATTENDANT SEE FIG. 1 FOR NHA	Y	RF
– 1Z	15680-91		SEAT ASSY, FWD ATTENDANT SEE FIG. 1A FOR NHA	Z	RF
– 1AA	15680-99		SEAT ASSY, FWD ATTENDANT SEE FIG. 1A FOR NHA	AA	RF
– 1AB	15680-103		SEAT ASSY, FWD ATTENDANT SEE FIG. 1A FOR NHA	AB	RF
– 1AC	15680-107		SEAT ASSY, FWD ATTENDANT SEE FIG. 1A FOR NHA	AC	RF
– 1AD	15680-111		SEAT ASSY, FWD ATTENDANT SEE FIG. 1A FOR NHA	AD	RF
– 1AE	15680-115		SEAT ASSY, FWD ATTENDANT SEE FIG. 1A FOR NHA	AE	RF
5	15990-1		. NAMEPLATE SUPSD BY ITEM -5A	A-Y	1
– 5A	15990-3		. NAMEPLATE RPLD BY -5C SUPSDS ITEM 5	A-Y	1
– 5B	15990-3		. NAMEPLATE RPLD BY -5C	Z-AE	1
– 5C	15990-5		. NAMEPLATE RPLS -5A RPLS -5B		1
10	16443-31		. HEADREST ASSY	A-Z	1
– 10A	16443-71		. HEADREST ASSY	AA-AE	1

– ITEM NOT ILLUSTRATED

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FIG. ITEM	PART NUMBER	AIRLINE STOCK NUMBER	NOMENCLATURE	EFFECT CODE	UNITS PER ASSY
3 15	16443-35		.. COVER ASSY, DRESS	A-Z	1
– 15A	19907-501		.. COVER ASSY, DRESS	AA-AE	1
20	16443-33		.. CUSHION ASSY, FIREBLOCKED		1
25	19928-503		. COVER ASSY, CLOSEOUT POST SB 15680-25-08	A-Z	1
– 25A	19908-501		. COVER ASSY, CLOSEOUT	AA-AE	1
– 26	19933-501		. COVER, SEAT BELT	W, Z	1
30	CP0197059		. RESTRAINT SYSTEM (TRUE PN 48000081-501-2251)	A, H, J, M, R, Z, AA, AB	1
– 30A	503037-401-2251		. RESTRAINT SYSTEM (VENDORS PN TO ITEM 30) (V35FB9)	A, H, J, M, R, Z, AA, AB	1
– 30B	CP0197067		. RESTRAINT SYSTEM (TRUE PN 48000081-503-1449)	B	1
– 30C	503037-403-1449		. RESTRAINT SYSTEM (VENDORS PN TO ITEM -30B) (V35FB9)	B	1
– 30D	CP0197089		. RESTRAINT SYSTEM (TRUE PN 48000098-501-2251)	C	1
– 30E	504813-401-2251		. RESTRAINT SYSTEM (VENDORS PN TO ITEM -30D) (V35FB9)	C	1
– 30F	CP0197061		. RESTRAINT SYSTEM (TRUE PN 48000081-501-2258)	D, P	1
– 30G	503037-401-2258		. RESTRAINT SYSTEM (VENDORS PN TO ITEM -30F) (V35FB9)	D, P	1
– 30H	CP0197057		. RESTRAINT SYSTEM (TRUE PN 48000081-501-1449)	E, G, S, U, AD, AE	1
– 30J	503037-401-1449		. RESTRAINT SYSTEM (VENDORS PN TO ITEM -30H) (V35FB9)	E, G, S, U, AD, AE	1

– ITEM NOT ILLUSTRATED

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FIG. ITEM	PART NUMBER	AIRLINE STOCK NUMBER	NOMENCLATURE	EFFECT CODE	UNITS PER ASSY
3 - 30K	CP0197063		. RESTRAINT SYSTEM (TRUE PN 48000081-501-2845)	K	1
- 30L	503037-401-2845		. RESTRAINT SYSTEM (VENDORS PN TO ITEM -30K) (V35FB9)	K	1
- 30M	CP0197064		. RESTRAINT SYSTEM (TRUE PN 48000081-501-2847)	F, T, AC	1
- 30N	503037-401-2847		. RESTRAINT SYSTEM (VENDORS PN TO ITEM -30M) (V35FB9)	F, T, AC	1
- 30P	CP0197066		. RESTRAINT SYSTEM (TRUE PN 48000081-501-6331)	L	1
- 30Q	503037-401-6331		. RESTRAINT SYSTEM (VENDORS PN TO ITEM -30P) (V35FB9)	L	1
- 30R	CP0197062		. RESTRAINT SYSTEM (TRUE PN 48000081-501-2267)	N	1
- 30S	503037-401-2267		. RESTRAINT SYSTEM (VENDORS PN TO ITEM -30R) (V35FB9)	N	1
- 30T	CP0197088		. RESTRAINT SYSTEM (TRUE PN 48000098-501-1449)	O	1
- 30U	504813-401-1449		. RESTRAINT SYSTEM (VENDORS PN TO ITEM -30T) (V35FB9)	O	1
- 30V	CP0197065		. RESTRAINT SYSTEM (TRUE PN 48000081-501-2849)	V	1
- 30W	503037-401-2849		. RESTRAINT SYSTEM (VENDORS PN TO ITEM -30V) (V35FB9)	V	1
- 30X	CP0197058		. RESTRAINT SYSTEM (TRUE PN 48000081-501-2051)	W	1
- 30Y	503037-401-2051		. RESTRAINT SYSTEM (VENDORS PN TO ITEM -30X) (V35FB9)	W	1
- 30Z	CP0197090		. RESTRAINT SYSTEM (TRUE PN 48000098-501-3294)	Y	1

- ITEM NOT ILLUSTRATED

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FIG. ITEM	PART NUMBER	AIRLINE STOCK NUMBER	NOMENCLATURE	EFFECT CODE	UNITS PER ASSY
3 – 30AA	504813-401-3294		. RESTRAINT SYSTEM (VENDORS PN TO ITEM -30Z) (V35FB9) ATTACHING PARTS	Y	1
35	NAS6205-17		. BOLT		2
40	MS21042-5		. NUT		2
45	AN960-516L		. WASHER		4
– 45A	AN960-516		. WASHER (ALT TO ITEM 45)		4

50	15982-3		. SLIDE ASSY, UPPER SUPSD BY ITEM -50A	A-Y	1
– 50A	19878-503		. SLIDE ASSY, UPPER SUPSDS ITEM 50 ATTACHING PARTS		1
55	MS21042-3		. NUT		4
60	MS27039-1-25		. SCREW SUPSD BY ITEM -60A	A-Y	4
– 60A	NAS623-3-20		. SCREW SUPSDS ITEM 60		4
65	AN960-10		. WASHER SUPSD BY ITEM -65A	A-Y	8
– 65A	AN960-10L		. WASHER SUPSDS ITEM 65		8

– 68	WA9659-750-111		.. TAPE (BONDED) (0.75 BEIGE) (LOOP)		AR
– 69	DP100		.. ADHESIVE, EPOXY (V76381)		AR
70	15996-1		.. SCREW, STOP		4
– 71	271		.. LOCTITE		AR

– ITEM NOT ILLUSTRATED

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FIG. ITEM	PART NUMBER	AIRLINE STOCK NUMBER	NOMENCLATURE	EFFECT CODE	UNITS PER ASSY
3 75	15982-15		.. BRACKET ASSY, SEAT MOUNT SUPSD BY ITEM -75A		1
– 75A	19877-503		.. BRACKET ASSY, SEAT MOUNT SUPSDS ITEM 75		1
80	15982-9		.. BRACKET ASSY, SEAT MOUNT SUPSD BY ITEM -80A		1
– 80A	19876-503		.. BRACKET ASSY, SEAT MOUNT SUPSDS ITEM 80		1
85	16231-13		.. INSERT, SLIDE		1
90	16231-15		.. INSERT, SLIDE		1
95	16232-7		.. CHANNEL ASSY, DUPLEX		1
96	19960-1		... RULON POST SB 15680-25-28	AR	
– 97	19960-3		... RULON	AR	
– 98	16232-35		... RULON	2	
100	15981-3		. SLIDE ASSY, LOWER SUPSD BY ITEM -100A	A-Y	1
– 100A	19879-503		. SLIDE ASSY, LOWER SUPSDS ITEM 100 ATTACHING PARTS		1
105	MS21042-3		. NUT		4
110	NAS623-3-20		. SCREW		4
115	AN960-10L		. WASHER		8

120	15996-1		.. SCREW, STOP		4
– 121	271		.. LOCTITE	AR	
125	15981-15		.. BRACKET ASSY, SEAT MOUNT SUPSD BY ITEM -125A		1
– 125A	19877-509		.. BRACKET ASSY, SEAT MOUNT SUPSDS ITEM 125		1

– ITEM NOT ILLUSTRATED

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FIG. ITEM	PART NUMBER	AIRLINE STOCK NUMBER	NOMENCLATURE	EFFECT CODE	UNITS PER ASSY
3 130	15981-9		.. BRACKET ASSY, SEAT MOUNT SUPSD BY ITEM -130A		1
– 130A	19876-509		.. BRACKET ASSY, SEAT MOUNT SUPSDS ITEM 130		1
135	16231-9		.. INSERT, SLIDE		1
140	16231-11		.. INSERT, SLIDE		1
145	16232-5		.. CHANNEL ASSY, DUPLEX		1
147	19960-1		... RULON POST SB 15680-25-28	AR	
– 150	19960-3		... RULON	AR	
– 152	16232-35		... RULON		2
155	16289-32		. BACK ASSY, UPHOLSTERED SEE FIG. 5 FOR DET	A-Z	1
– 155A	16289-44		. BACK ASSY, UPHOLSTERED SEE FIG. 5 FOR DET ATTACHING PARTS	AA-AE	1
160	AN3-10A		. BOLT (SPRING RETAINING)		2
165	MS21042-3		. NUT (SPRING RETAINING)		2
170	AN970-3		. WASHER (SPRING RETAINING) SUPSD BY ITEM -170A	A-Y	2
– 170A	MS21783-52		. WASHER (SPRING RETAINING) SUPSDS ITEM 170		2
175	AN960-10		. WASHER (SPRING RETAINING)		2
180	NAS1305-40		. BOLT		2
185	MS21042-5		. NUT		2
190	AN960-516L		. WASHER		8

– ITEM NOT ILLUSTRATED

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FIG. ITEM	PART NUMBER	AIRLINE STOCK NUMBER	NOMENCLATURE	EFFECT CODE	UNITS PER ASSY
3 – 190A	AN960-516		. WASHER (ALT TO ITEM 190) * * *		8
195	122-7		. COVER	W	2
200	15988-3		. SPRING, RETURN (LH) SUPSD BY ITEM -200A PRE SB 41220000-25-02	A-Y	1
– 200A	15988-5		. SPRING, RETURN (LH) SUPSDS ITEM 200 POST SB 41220000-25-02		1
205	15988-4		. SPRING, RETURN (RH) SUPSD BY ITEM -205A PRE SB 41220000-25-02	A-Y	1
– 205A	15988-6		. SPRING, RETURN (RH) SUPSDS ITEM 205 POST SB 41220000-25-02		1
210	122-9		. SLEEVE, SPRING SUPSD BY ITEM -210A PRE SB 41220000-25-02	A-Y	2
– 210A	122-11		. SLEEVE, SPRING SUPSDS ITEM 210 POST SB 41220000-25-02		2
215	AN960-1216L		. WASHER		2
220	16442-23		. BOTTOM ASSY, UPHOLSTERED	A-Z	1
– 220A	16442-505		. BOTTOM ASSY, UPHOLSTERED	AA-AE	1
225	16442-25		.. COVER ASSY, DRESS	A-Z	1
– 225A	19905-501		.. COVER ASSY, DRESS	AA-AE	1
230	16442-5		.. CUSHION ASSY, FIREBLOCKED		1
235	15977-1		.. STRUCTURE ASSY	A-Z	1
– 235A	15977-501		.. STRUCTURE ASSY	AA-AE	1

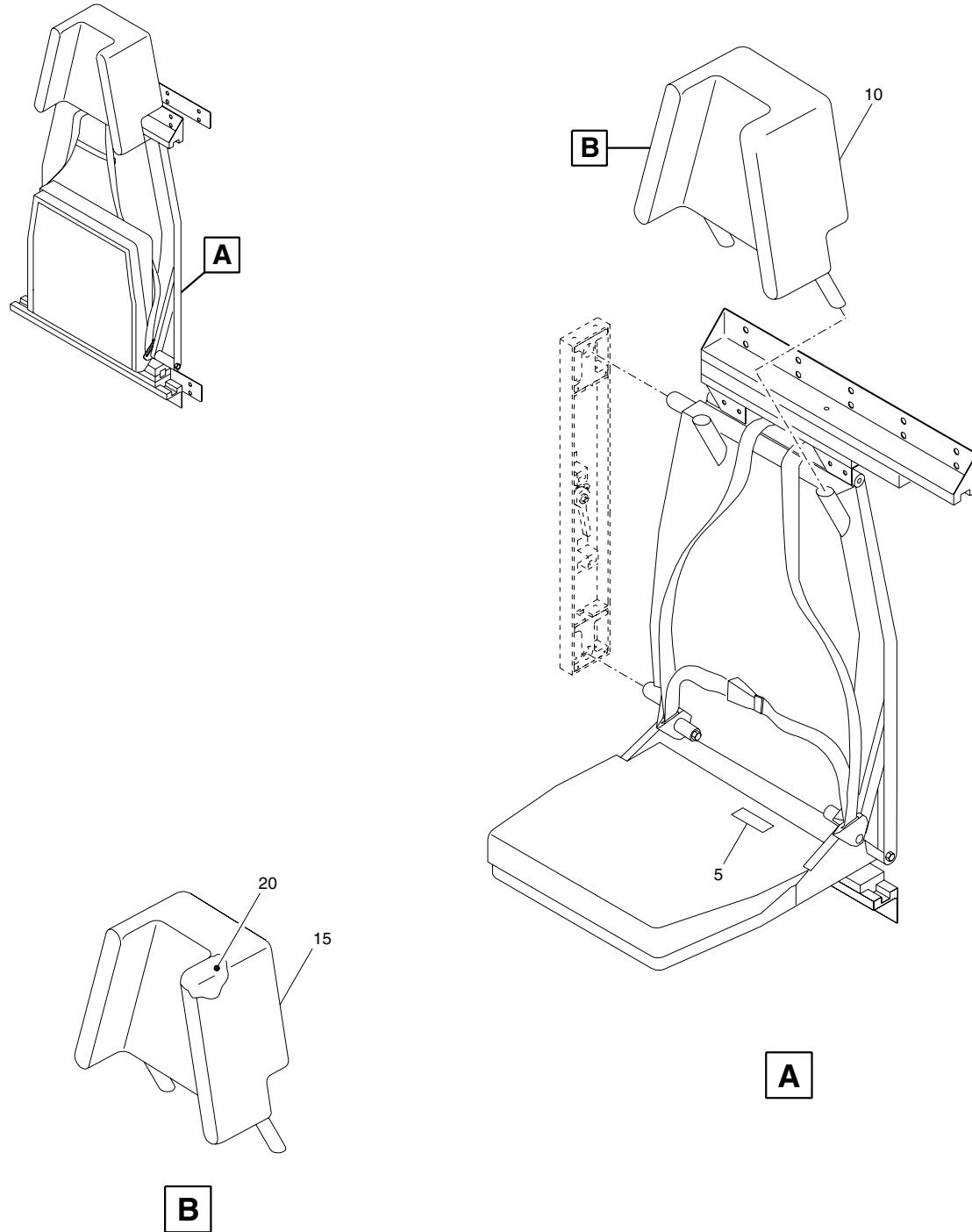
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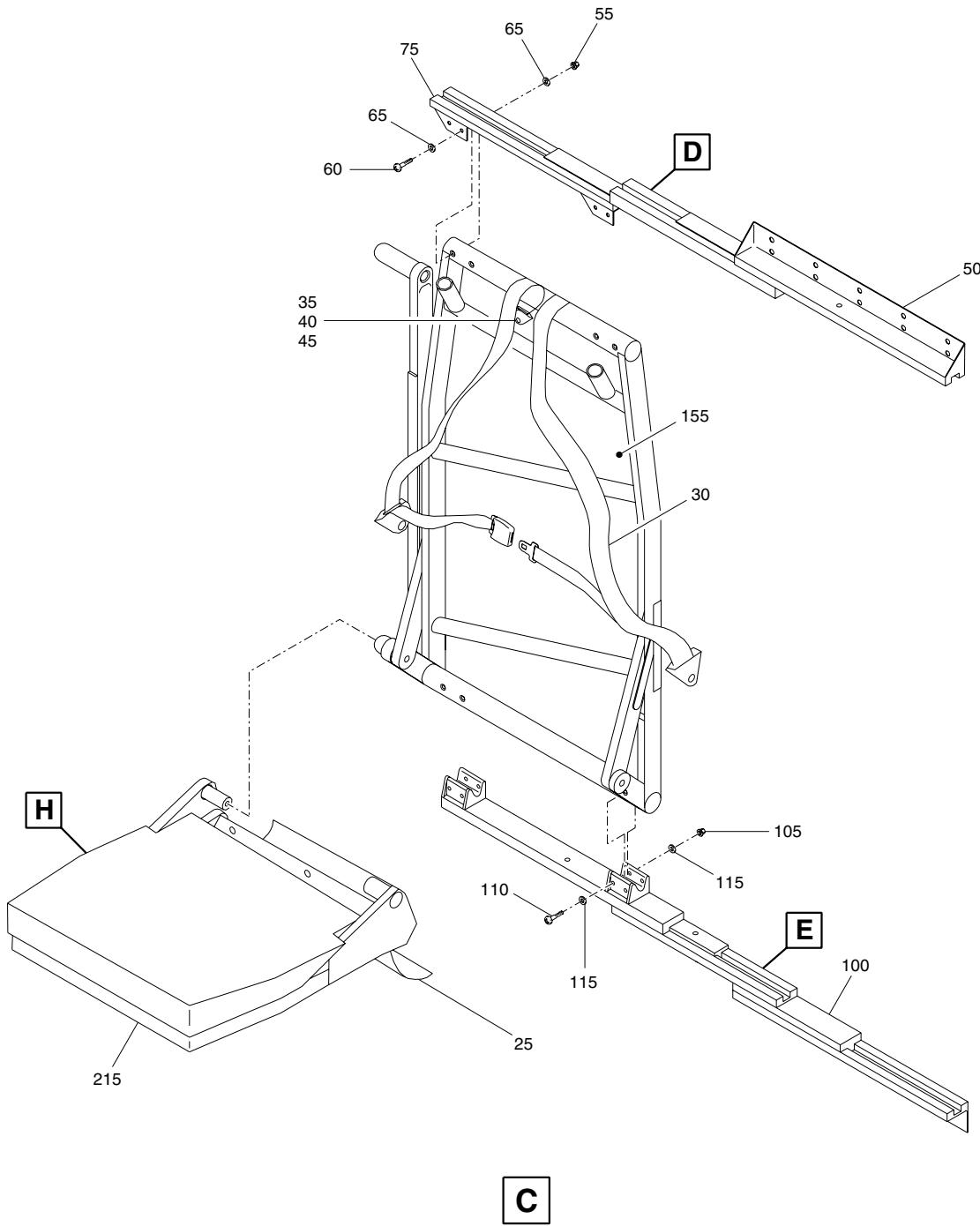
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Aft Attendant Seat Assemblies
(Sheet 1 of 4)
Figure 4/GRAFIC 25-20-45-950-005-A01

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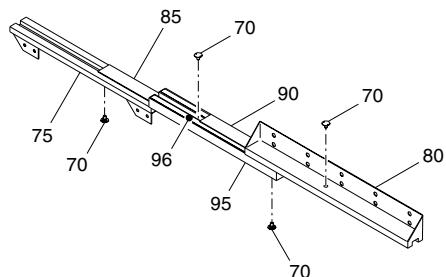
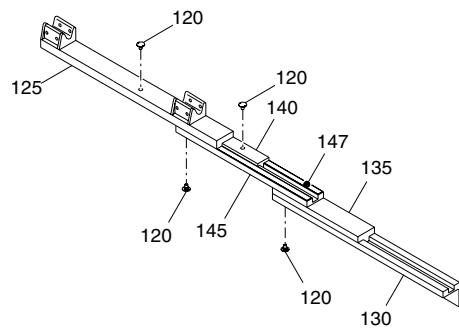
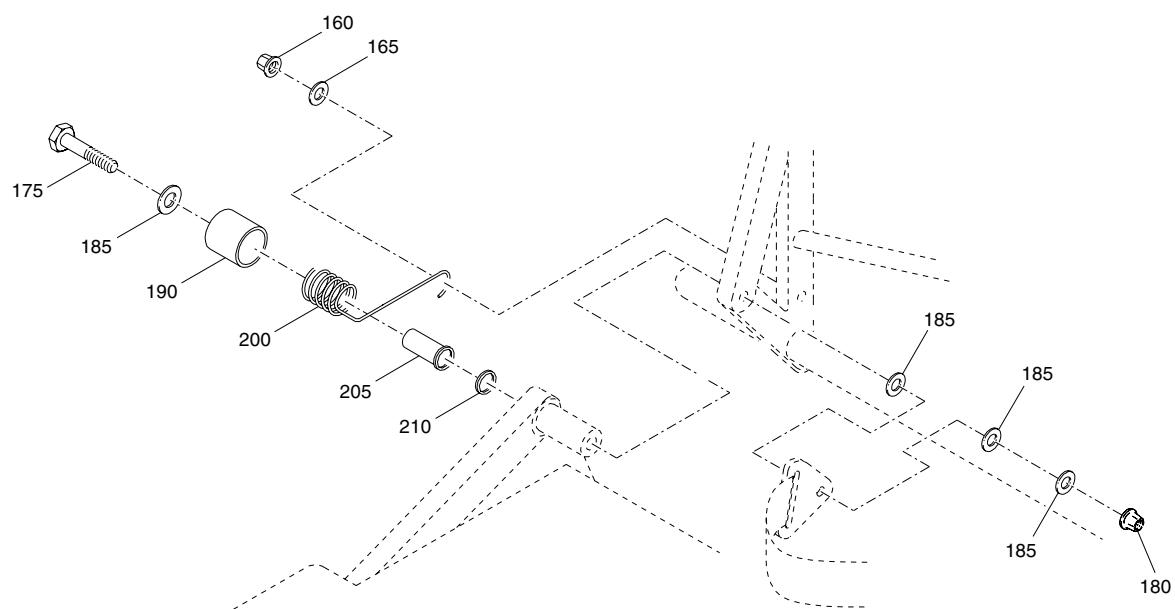


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Aft Attendant Seat Assemblies
(Sheet 2 of 4)
Figure 4/GRAFIC 25-20-45-950-005-A01

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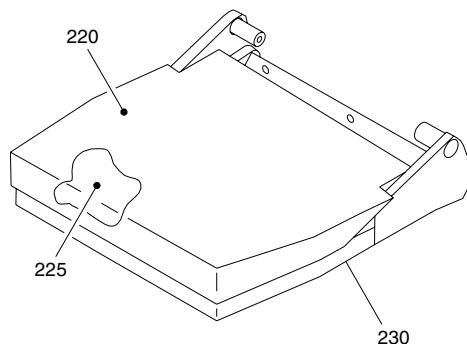
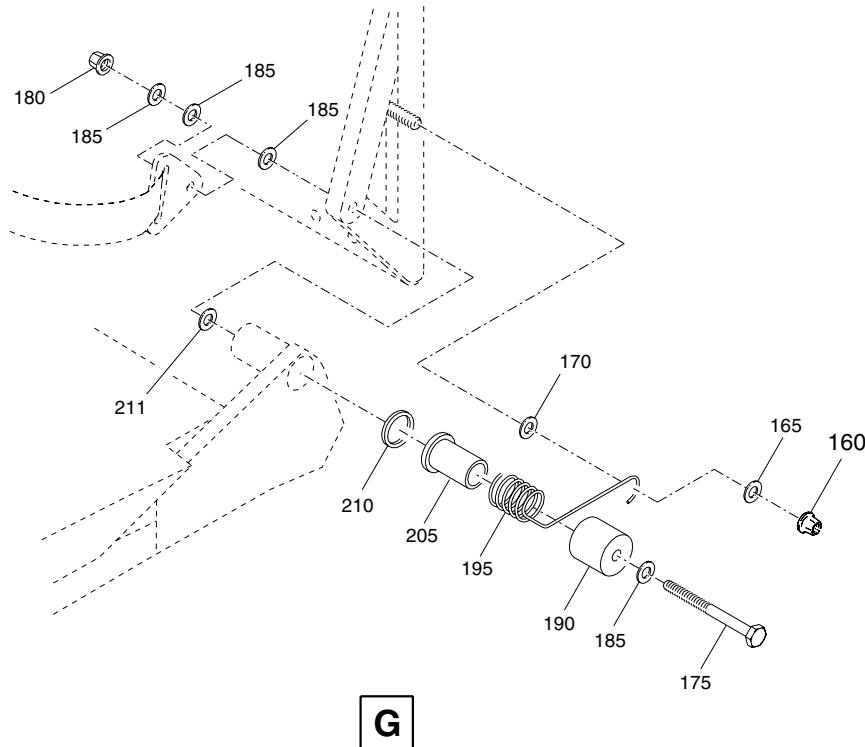
 Aft Attendant Seat Assemblies
 (Sheet 3 of 4)
 Figure 4/GRAFIC 25-20-45-950-005-A01

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Aft Attendant Seat Assemblies
(Sheet 4 of 4)
Figure 4/GRAFIC 25-20-45-950-005-A01

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**COMPONENT MAINTENANCE MANUAL
15680**

FIG. ITEM	PART NUMBER	AIRLINE STOCK NUMBER	NOMENCLATURE	EFFECT CODE	UNITS PER ASSY
4	– 1	15680-15	SEAT ASSY, AFT ATTENDANT SEE FIG. 1 FOR NHA	A	RF
	– 1A	15680-25	SEAT ASSY, AFT ATTENDANT SEE FIG. 1 FOR NHA	B	RF
	– 1B	15680-33	SEAT ASSY, AFT ATTENDANT SEE FIG. 1 FOR NHA	C	RF
	– 1C	15680-41	SEAT ASSY, AFT ATTENDANT SEE FIG. 1 FOR NHA	D	RF
	– 1D	15680-47	SEAT ASSY, AFT ATTENDANT SEE FIG. 1 FOR NHA	E	RF
	– 1E	15680-51	SEAT ASSY, AFT ATTENDANT SEE FIG. 1 FOR NHA	F	RF
	– 1F	15680-16	SEAT ASSY, AFT ATTENDANT SEE FIG. 1 FOR NHA	G	RF
	– 1G	15680-57	SEAT ASSY, AFT ATTENDANT SEE FIG. 1 FOR NHA	H	RF
	– 1H	15680-69	SEAT ASSY, AFT ATTENDANT SEE FIG. 1 FOR NHA	J	RF
	– 1J	15680-73	SEAT ASSY, AFT ATTENDANT SEE FIG. 1A FOR NHA	K	RF
	– 1K	15680-75	SEAT ASSY, AFT ATTENDANT SEE FIG. 1A FOR NHA	L	RF
	– 1L	15680-93	SEAT ASSY, AFT ATTENDANT SEE FIG. 1 FOR NHA	M	RF
	– 1M	15680-18	SEAT ASSY, AFT ATTENDANT SEE FIG. 1A FOR NHA	N	RF
	– 1N	15680-101	SEAT ASSY, AFT ATTENDANT SEE FIG. 1A FOR NHA	P	RF
	– 1O	15680-105	SEAT ASSY, AFT ATTENDANT SEE FIG. 1A FOR NHA	Q	RF
	– 1P	15680-109	SEAT ASSY, AFT ATTENDANT SEE FIG. 1A FOR NHA	R	RF
	– 1Q	15680-113	SEAT ASSY, AFT ATTENDANT SEE FIG. 1A FOR NHA	S	RF

– ITEM NOT ILLUSTRATED

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FIG. ITEM	PART NUMBER	AIRLINE STOCK NUMBER	NOMENCLATURE	EFFECT CODE	UNITS PER ASSY
4 – 1R	15680-117		SEAT ASSY, AFT ATTENDANT SEE FIG. 1A FOR NHA	T	RF
– 1S	15680-119		SEAT ASSY, AFT ATTENDANT SEE FIG. 1A FOR NHA	U	RF
5	15990-1		. NAMEPLATE SUPSD BY ITEM -5A	A-M	1
– 5A	15990-3		. NAMEPLATE RPLD BY -5C SUPSDS ITEM 5	A-M	1
– 5B	15990-3		. NAMEPLATE RPLD BY -5C	N-U	1
– 5C	15990-5		. NAMEPLATE RPLS -5A RPLS -5B		1
10	16443-31		. HEADREST ASSY	A-N	1
– 10A	16443-71		. HEADREST ASSY	P-U	1
15	16443-35		.. COVER ASSY, DRESS	A-N	1
– 15A	19907-501		.. COVER ASSY, DRESS	P-U	1
20	16443-33		.. CUSHION ASSY, FIREBLOCKED		1
25	19928-501		. COVER ASSY, CLOSEOUT POST SB 15680-25-08	A-N	1
– 25A	19908-503		. COVER ASSY, CLOSEOUT	P-U	1
30	CP0197059		. RESTRAINT SYSTEM (TRUE PN 48000081-501-2251)	A, E, F, G, L, N, P, Q, T, U	1
– 30A	503037-401-2251		. RESTRAINT SYSTEM (VENDORS PN TO ITEM 30) (V35FB9)	A, E, F, G, L, N, P, Q, T, U	1
– 30B	CP0197089		. RESTRAINT SYSTEM (TRUE PN 48000098-501-2251)	B	1
– 30C	504813-401-2251		. RESTRAINT SYSTEM (VENDORS PN TO ITEM -30B) (V35FB9)	B	1

– ITEM NOT ILLUSTRATED

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FIG. ITEM	PART NUMBER	AIRLINE STOCK NUMBER	NOMENCLATURE	EFFECT CODE	UNITS PER ASSY
4 – 30D	CP0197061		. RESTRAINT SYSTEM (TRUE PN 48000081-501-2258)	C	1
– 30E	503037-401-2258		. RESTRAINT SYSTEM (VENDORS PN TO ITEM -30D) (V35FB9)	C	1
– 30F	CP0197064		. RESTRAINT SYSTEM (TRUE PN 48000081-501-2847)	D, R	1
– 30G	503037-401-2847		. RESTRAINT SYSTEM (VENDORS PN TO ITEM -30F) (V35FB9)	D, R	1
– 30H	CP0197066		. RESTRAINT SYSTEM (TRUE PN 48000081-501-6331)	H	1
– 30J	503037-401-6331		. RESTRAINT SYSTEM (VENDORS PN TO ITEM -30H) (V35FB9)	H	1
– 30K	CP0197062		. RESTRAINT SYSTEM (TRUE PN 48000081-501-2267)	J	1
– 30L	503037-401-2267		. RESTRAINT SYSTEM (VENDORS PN TO ITEM -30K) (V35FB9)	J	1
– 30M	CP0197057		. RESTRAINT SYSTEM (TRUE PN 48000081-501-1449)	K, M, S	1
– 30N	503037-401-1449		. RESTRAINT SYSTEM (VENDORS PN TO ITEM -30M) (V35FB9)	K, M, S	1
			ATTACHING PARTS		
35	MS27039-1-25		. SCREW SUPSD BY ITEM -35A	A-M	2
– 35A	NAS6205-17		. BOLT SUPSDS ITEM 35		2
40	MS21042-5		. NUT		2
45	AN960-10		. WASHER SUPSD BY ITEM -45A	A-M	4
– 45A	AN960-516L		. WASHER SUPSDS ITEM 45		4

– ITEM NOT ILLUSTRATED

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FIG. ITEM	PART NUMBER	AIRLINE STOCK NUMBER	NOMENCLATURE	EFFECT CODE	UNITS PER ASSY
4 - 45B	AN960-516		. WASHER (ALT TO ITEM -45A) * * *		4
50	15982-5		. SLIDE ASSY, UPPER SUPSD BY ITEM -50A	A-F, H-L ,M	1
- 50A	19878-505		. SLIDE ASSY, UPPER SUPSDS ITEM 50	A-F, H-M, P-U	1
- 50B	19878-506		. SLIDE ASSY, UPPER ATTACHING PARTS	G, N	1
55	MS21042-3		. NUT		4
60	MS27039-1-25		. SCREW SUPSD BY ITEM -60A	A-M	4
- 60A	NAS623-3-20		. SCREW SUPSDS ITEM 60		4
65	AN960-10		. WASHER SUPSD BY ITEM -65A	A-M	8
- 65A	AN960-10L		. WASHER SUPSDS ITEM 65		8
			* * *		
- 68	WA9659-750-111		. . TAPE (BONDED) (0.75 BEIGE) (LOOP)		AR
- 69	DP100		. . ADHESIVE, EPOXY (V76381)		AR
70	15996-1		. . SCREW, STOP		4
- 71	271		. . LOCTITE		AR
75	15982-17		. . BRACKET ASSY, SEAT MOUNT SUPSD BY ITEM -75A	A-F, H-L ,M	1
- 75A	19877-505		. . BRACKET ASSY, SEAT MOUNT SUPSDS ITEM 75	A-F, H-L ,M, P-U	1
- 75B	19877-506		. . BRACKET ASSY, SEAT MOUNT	G, N	1

- ITEM NOT ILLUSTRATED

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FIG. ITEM	PART NUMBER	AIRLINE STOCK NUMBER	NOMENCLATURE	EFFECT CODE	UNITS PER ASSY
4 80	15982-11		.. BRACKET ASSY, WALL MOUNT SUPSD BY ITEM -80A	A-F, H-L ,M	1
– 80A	19876-505		.. BRACKET ASSY, WALL MOUNT SUPSDS ITEM 80	A-F, H-L ,M, P-U	1
– 80B	19876-506		.. BRACKET ASSY, SEAT MOUNT	G, N	1
85	16231-21		.. INSERT, SLIDE		1
90	16231-23		.. INSERT, SLIDE		1
95	16232-11		.. CHANNEL ASSY, DUPLEX		1
96	19960-1		... RULON POST SB 15680-25-28		AR
– 97	19960-3		... RULON		AR
– 98	16232-35		... RULON		2
100	15981-5		. SLIDE ASSY, LOWER SUPSD BY ITEM -100A	A-F, H-L ,M	1
– 100A	19879-505		. SLIDE ASSY, LOWER SUPSDS ITEM 100	A-F, H-L ,M, P-U	1
– 100B	19879-506		. SLIDE ASSY, LOWER ATTACHING PARTS	G, N	1
105	MS21042-3		. NUT		4
110	NAS623-3-20		. SCREW		4
115	AN960-10L		. WASHER		8

120	15996-1		.. SCREW, STOP		4
– 121	271		.. LOCTITE		AR
125	15982-17		.. BRACKET ASSY, SEAT MOUNT SUPSD BY ITEM -125A	A-F, H-L ,M	1
– 125A	19877-511		.. BRACKET ASSY, SEAT MOUNT SUPSDS ITEM 125	A-F, H-L ,M, P-U	1
– 125B	19877-512		.. BRACKET ASSY, SEAT MOUNT	G, N	1

– ITEM NOT ILLUSTRATED

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FIG. ITEM	PART NUMBER	AIRLINE STOCK NUMBER	NOMENCLATURE	EFFECT CODE	UNITS PER ASSY
4 130	15981-11		.. BRACKET ASSY, WALL MOUNT SUPSD BY ITEM -130A	A-F, H-L ,M	1
– 130A	19876-511		.. BRACKET ASSY, WALL MOUNT SUPSDS ITEM 130	A-F, H-L ,M, P-U	1
– 130B	19876-512		.. BRACKET ASSY, WALL MOUNT	G, N	1
135	16231-17		.. INSERT, SLIDE		1
140	16231-19		.. INSERT, SLIDE		1
145	16232-9		.. CHANNEL ASSY, DUPLEX		1
147	19960-1		... RULON POST SB 15680-25-28	AR	
– 150	19960-3		... RULON	AR	
– 152	16232-35		... RULON		2
155	16289-3		. BACK ASSY, UPHOLSTERED SEE FIG. 5 FOR DET	A-F, H-L, M	1
– 155A	16289-4		. BACK ASSY, UPHOLSTERED SEE FIG. 5 FOR DET	G, N	1
– 155B	16289-41		. BACK ASSY, UPHOLSTERED SEE FIG. 5 FOR DET ATTACHING PARTS	P-U	1
160	MS21042-3		. NUT (SPRING RETAINING)		2
165	AN970-3		. WASHER (SPRING RETAINING) SUPSD BY ITEM -165A	A-M	2
– 165A	MS21783-52		. WASHER (SPRING RETAINING) SUPSDS ITEM 165	A-M, P-U	2
170	AN960-10		. WASHER (SPRING RETAINING)		2
175	NAS1305-38		. BOLT POST SB 41220000-25-01		2
180	MS21042-5		. NUT		2
185	AN960-516L		. WASHER		8

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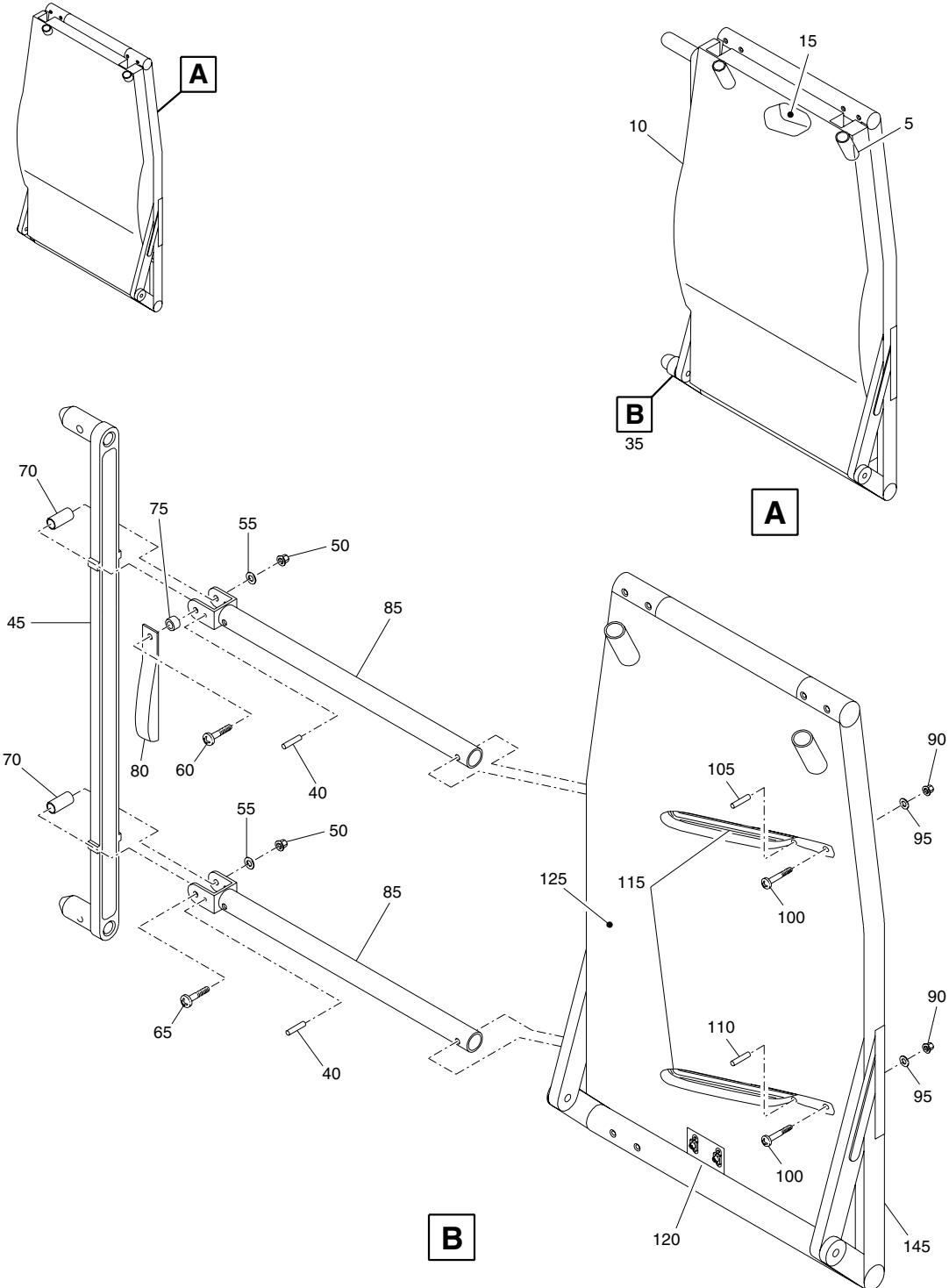
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FIG. ITEM	PART NUMBER	AIRLINE STOCK NUMBER	NOMENCLATURE	EFFECT CODE	UNITS PER ASSY
4 – 185A	AN960-516		. WASHER (ALT TO ITEM 185) * * *		8
190	122-7		. COVER, SPRING		2
195	121-7		. SPRING, RETURN (LH)		1
200	121-8		. SPRING, RETURN (RH)		1
205	122-9		. SLEEVE, SPRING SUPSD BY ITEM -205A	A-M	2
– 205A	122-11		. SLEEVE, SPRING SUPSDS ITEM 205		2
210	AN960-1216L		. WASHER		2
211	5610-320-62		. WASHER, NYLON (V86928)		4
215	16442-3		. BOTTOM ASSY, UPHOLSTERED	A-N	1
– 215A	16442-507		. BOTTOM ASSY, UPHOLSTERED	P-U	1
220	16442-11		.. COVER ASSY, DRESS	A-N	1
– 220A	19905-503		.. COVER ASSY, DRESS	P-U	1
225	16442-7		.. CUSHION ASSY, FIREBLOCKED		1
230	16441-1		.. STRUCTURE ASSY	A-N	1
– 230A	16441-501		.. STRUCTURE ASSY	P-U	1

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2520450501

Upholstered Back Assembly
Figure 5/GRAFIC 25-20-45-950-006-A01
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FIG. ITEM	PART NUMBER	AIRLINE STOCK NUMBER	NOMENCLATURE	EFFECT CODE	UNITS PER ASSY
5 – 1	16289-1		BACK ASSY, UPHOLSTERED SEE FIG. 2 FOR NHA	A	RF
– 1A	16289-32		BACK ASSY, UPHOLSTERED SEE FIG. 3 FOR NHA	B	RF
– 1B	16289-3		BACK ASSY, UPHOLSTERED SEE FIG. 4 FOR NHA	C	RF
– 1C	16289-39		BACK ASSY, UPHOLSTERED SEE FIG. 2 FOR NHA	D	RF
– 1D	16289-4		BACK ASSY, UPHOLSTERED SEE FIG. 4 FOR NHA	E	RF
– 1E	16289-41		BACK ASSY, UPHOLSTERED SEE FIG. 4 FOR NHA	F	RF
– 1F	16289-44		BACK ASSY, UPHOLSTERED SEE FIG. 3 FOR NHA	G	RF
– 1G	19624-1		BACK ASSY, UPHOLSTERED SEE FIG. 2 FOR NHA	H	RF
5	16285-1		. SLEEVE (BONDED)	A-G	2
– 6	DP420		. ADHESIVE, EPOXY (V76381)	A-G	AR
10	16289-9		. COVER ASSY, DRESS	A	1
– 10A	16289-10		. COVER ASSY, DRESS	B, D	1
– 10B	16289-11		. COVER ASSY, DRESS	C	1
– 10C	16289-12		. COVER ASSY, DRESS	E	1
– 10D	19906-501		. COVER ASSY, DRESS	F	1
– 10E	19906-503		. COVER ASSY, DRESS	G	1
– 10F	19624-3		. COVER ASSY, DRESS	H	1
15	16289-5		. CUSHION ASSY, FIREBLOCKED	A	1
– 15A	16289-6		. CUSHION ASSY, FIREBLOCKED	B, G	1
– 15B	16289-7		. CUSHION ASSY, FIREBLOCKED	C, F	1

– ITEM NOT ILLUSTRATED

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FIG. ITEM	PART NUMBER	AIRLINE STOCK NUMBER	NOMENCLATURE	EFFECT CODE	UNITS PER ASSY
			1234567		
5	– 15C	16289-8	. CUSHION ASSY, FIREBLOCKED	D, E	1
	– 15D	19028-1	. CUSHION ASSY, FIREBLOCKED	H	1
	35	16286-41	. STRUCTURE ASSY	A	1
	– 35A	16286-32	. STRUCTURE ASSY	B, G	1
	– 35B	16287-1	. STRUCTURE ASSY	C, F	1
	– 35C	16286-1	. STRUCTURE ASSY	D	1
	– 35D	16287-2	. STRUCTURE ASSY	E	1
	– 35E	19625	. STRUCTURE ASSY	H	1
	40	16287-63	.. PIN, SHEAR (BONDED)		2
	– 41	1357	.. ADHESIVE (V76381)	A, B, D, G, H	AR
	– 41A	FR7016AB	.. ADHESIVE (V26348) (TRUE PN FR 7016 A/B)	C, E, F	AR
	45	16286-13	.. BAYONET ASSY SUPSD BY ITEM -45A	A, D	1
	– 45A	19890-501	.. BAYONET ASSY SUPSDS ITEM 45	A, D	1
	– 45B	16287-17	.. BAYONET ASSY SUPSD BY ITEM -45C	C, E	1
	– 45C	19890-505	.. BAYONET ASSY SUPSDS ITEM -45B	C, E, F	1
	– 45D	16286-15	.. BAYONET ASSY SUPSD BY ITEM -45E	B	1
	– 45E	19890-503	.. BAYONET ASSY SUPSDS ITEM -45D	B, G	1
	– 45F	16286-13	.. BAYONET ASSY ATTACHING PARTS	H	1
	50	MS21042-4	.. NUT		2
	55	NAS1149F0463P	.. WASHER		2

– ITEM NOT ILLUSTRATED

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FIG. ITEM	PART NUMBER	AIRLINE STOCK NUMBER	NOMENCLATURE	EFFECT CODE	UNITS PER ASSY
5 – 55A	AN960-416		.. WASHER (ALT TO ITEM 55)		2
60	NAS623-4-24		.. SCREW (UPPER)		1
65	NAS623-4-20		.. SCREW (LOWER)		1

70	16287-49		.. ROLLER		2
75	A312-028-0280		.. SPACER		1
80	18077-1		.. STRAP ASSY, HANDLE		1
85	16286-23		.. BAYONET ASSY	A, B, D, G, H	2
– 85A	16287-19		.. BAYONET ASSY ATTACHING PARTS	C, E, F	2
90	MS21042-4		.. NUT		2
95	NAS1149F0463P		.. WASHER		2
– 95A	AN960-416		.. WASHER (ALT TO ITEM 95)		2
100	NAS623-4-17		.. SCREW		2

105	16287-65		.. PIN, SHEAR (UPPER) (BONDED)		1
– 106	2262		.. ADHESIVE, SCOTCH WELD (V76381)	A, B, D, G	AR
– 106A	FR7016AB		.. ADHESIVE (V26348) (TRUE PN FR 7016 A/B)	C, E, F, H	AR
110	16287-51		.. PIN, SHEAR (LOWER) (BONDED)		1
– 111	2262		.. ADHESIVE, SCOTCH WELD (V76381)	A, B, D, G	AR

– ITEM NOT ILLUSTRATED

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FIG. ITEM	PART NUMBER	AIRLINE STOCK NUMBER	NOMENCLATURE	EFFECT CODE	UNITS PER ASSY
5 – 111A	FR7016AB		.. ADHESIVE (V26348) (TRUE PN FR 7016 A/B)	C, E, F, H	AR
115	16287-47		.. RETAINER		2
120	MK1000-4		.. NUTPLATE (V15653)	A, B, D, G, H	2
ATTACHING PARTS					
– 122	MS20426AD3-4		.. RIVET	A, B, D, G, H	2
* * *					
125	16286-33		.. DIAPHRAGM (BONDED)	A	1
– 125A	16286-17		.. DIAPHRAGM (BONDED)	B, G, H	1
– 125B	16287-31		.. DIAPHRAGM (BONDED)	C, E, F	1
– 125C	16286-47		.. DIAPHRAGM	D	1
– 126	1357		.. ADHESIVE (V76381)	A-C, E-H	AR
– 130	WA9658-1000-107		.. TAPE (BONDED) (1.00 BEIGE) (HOOK)	A, B, D, G	AR
– 130A	4FSP0001-13		.. TAPE (BONDED) (1.00 BEIGE) (HOOK)	C, F, E	AR
– 130B	19625-9		.. TAPE (BONDED) (1.00) (HOOK)	H	AR
– 135	WA9658-2000-112		.. TAPE (BONDED) (2.00 BEIGE) (HOOK)	A, B, D, G	AR

– ITEM NOT ILLUSTRATED

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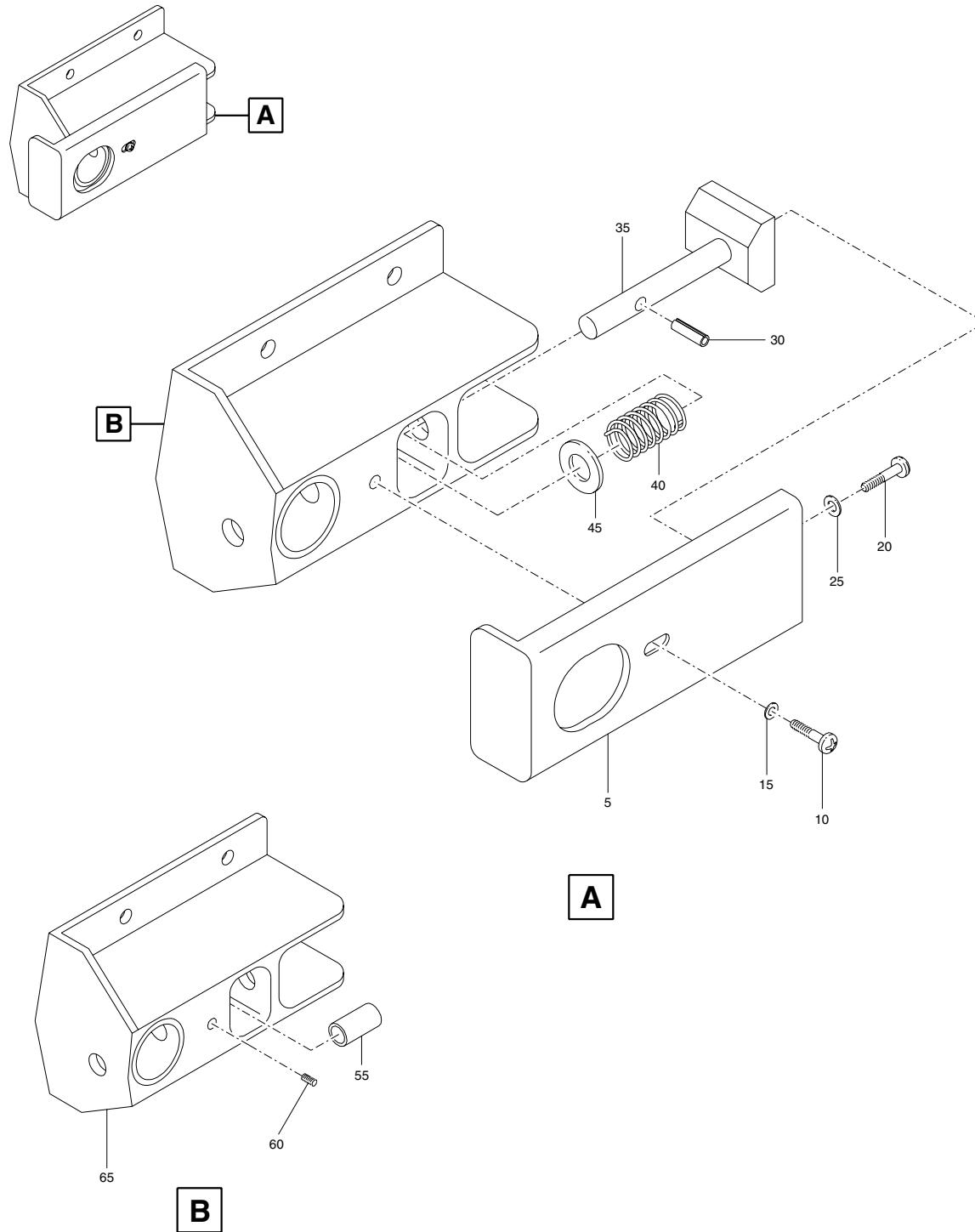
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FIG. ITEM	PART NUMBER	AIRLINE STOCK NUMBER	NOMENCLATURE	EFFECT CODE	UNITS PER ASSY
5 – 135A	4FSP0001-25		.. TAPE (BONDED) (2.00 BEIGE) (HOOK)	C, F, E	AR
– 135B	19625-11		.. TAPE (BONDED) (2.00) (HOOK)	H	AR
– 140	4FSP0001-3		.. TAPE (BONDED) (0.75 BEIGE) (HOOK) SUPSD BY ITEM -140A	A, B, D, G	AR
– 140A	WA9658-750-100		.. TAPE (BONDED) (0.75 BEIGE) (HOOK) SUPSDS ITEM -140	A, B, D, G	AR
– 140B	19625-7		.. TAPE (BONDED) (1.00) (HOOK)	H	AR
145	16286-43		.. WELDMENT	A	1
– 145A	16286-4		.. WELDMENT	B, G	1
– 145B	16287-3		.. WELDMENT	C, F	1
– 145C	16286-3		.. WELDMENT	D	1
– 145D	16287-4		.. WELDMENT	E	1
– 145E	19625-3		.. WELDMENT ASSY	H	1

– ITEM NOT ILLUSTRATED

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2520450601

 Upper Bayonet Receptacle Assembly
 Figure 6/GRAFIC 25-20-45-950-007-A01

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FIG. ITEM	PART NUMBER	AIRLINE STOCK NUMBER	NOMENCLATURE	EFFECT CODE	UNITS PER ASSY
6 – 1	16297-1		RECEPTACLE ASSY, BAYONET (UPPER) SEE FIG. 1 FOR NHA	A	RF
– 1A	16297-3		RECEPTACLE ASSY, BAYONET (UPPER) SEE FIG. 1 FOR NHA SEE FIG. 1A FOR NHA	B	RF
– 1B	16297-5		RECEPTACLE ASSY, BAYONET (UPPER) SEE FIG. 1 FOR NHA	C	RF
5	15995-1		. BRACKET ASSY, RELEASE ATTACHING PARTS		1
10	AN525-832R6		. SCREW		1
15	5610-66-031		. WASHER, NYLON (V86928)		1
20	NK221-6		. SCREW SUPSD BY ITEM -20A		1
– 20A	NK27039-1-06		. SCREW SUPSDS ITEM 20		1
25	AN960-10		. WASHER * * *		1
30	MS9047-069		. PIN, SPRING SUPSD BY ITEM -30A		1
– 30A	MS171496		. PIN, SPRING SUPSDS ITEM 30		1
35	15994-1		. PIN ASSY, LATCH		1
40	802-1		. SPRING		1
45	AN960-416L		. WASHER		1
– 50	16298-1		. FITTING ASSY, BAYONET	A	1
– 50A	16298-3		. FITTING ASSY, BAYONET	B	1
– 50B	16298-13		. FITTING ASSY, BAYONET	C	1

– ITEM NOT ILLUSTRATED

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FIG. ITEM	PART NUMBER	AIRLINE STOCK NUMBER	NOMENCLATURE	EFFECT CODE	UNITS PER ASSY
6	55	NAS75-04-024	.. BUSHING		1
	60	3585-2CNY246	.. INSERT, HELICOIL (V01556)		1
	65	16298-9	.. FITTING	A	1
– 65A		16298-11	.. FITTING	B	1
– 65B		16298-17	.. FITTING	C	1

– ITEM NOT ILLUSTRATED

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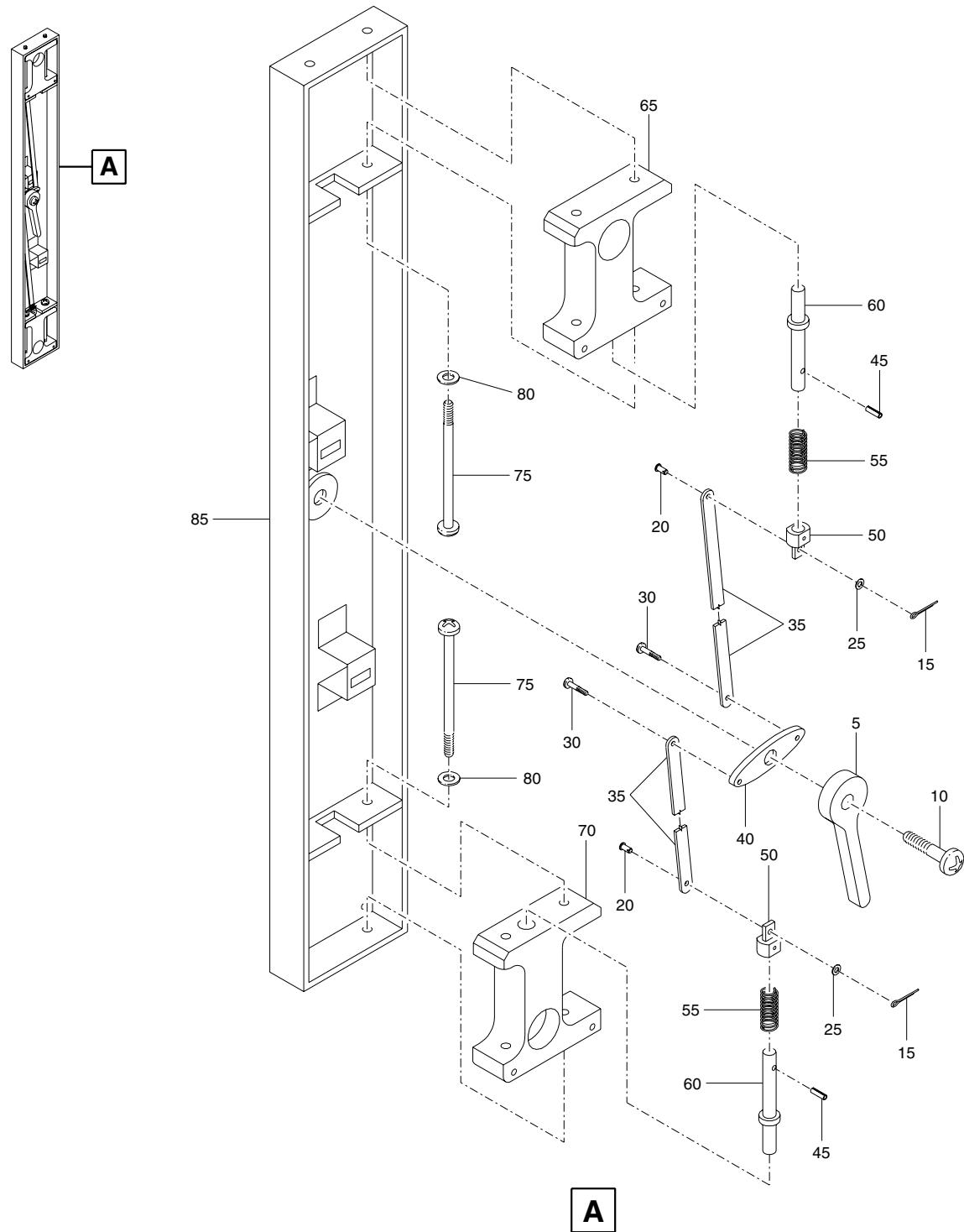
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2520450701

Latch Installation

Figure 7/GRAFIC 25-20-45-950-008-A01

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FIG. ITEM	PART NUMBER	AIRLINE STOCK NUMBER	NOMENCLATURE	EFFECT CODE	UNITS PER ASSY
7	15998-1		LATCH INSTL SEE FIG. 1 FOR NHA SEE FIG. 1A FOR NHA	A	RF
– 1A	15998-2		LATCH INSTL SEE FIG. 1 FOR NHA SEE FIG. 1A FOR NHA	B	RF
5	15997-1		. HANDLE ATTACHING PARTS		1
10	17040SS12SLD		. SCREW, SHOULDER (V0FYV4) (TRUE PN 17040-SS-12-SLD)		1
			* * *		
15	MS24665-132		. PIN, COTTER		2
20	MS20392-1C13		. PIN, CLEVIS		2
25	AN960-4L		. WASHER		2
30	67537SS12SLD		. SCREW, SHOULDER (V0FYV4) (TRUE PN 67537-SS-12-SLD)		2
35	15999-3		. LINK		2
40	15999-5		. LEVER		1
45	MS9048-105		. PIN, SPRING SUPSD BY ITEM -45A		2
– 45A	MS171531		. PIN, SPRING SUPSDS ITEM 45		2
50	13707-11		. PLUG		2
55	802-1		. SPRING		2
60	15999-1		. PIN, LATCH		2
65	15986-1		. FITTING ASSY, BAYONET RECEPTACLE		1
70	15986-2		. FITTING ASSY, BAYONET RECEPTACLE		1

– ITEM NOT ILLUSTRATED

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FIG. ITEM	PART NUMBER	AIRLINE STOCK NUMBER	NOMENCLATURE	EFFECT CODE	UNITS PER ASSY
7			ATTACHING PARTS . SCREW . SCREW (ALT TO ITEM 75) . WASHER * * * . CHANNEL ASSY . CHANNEL ASSY	A B	4 4 4 1 1

- ITEM NOT ILLUSTRATED

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