

 **BOEING**
COMPONENT
MAINTENANCE MANUAL

TO: ALL HOLDERS OF OVERHEAD BIN DOOR HANDLE ASSEMBLY COMPONENT MAINTENANCE
MANUAL 25-22-01

REVISION NO. 1 DATED APR 01/91

HIGHLIGHTS

All data formerly in manual 32-11-21 is now included in this manual 32-11-19.

Pages which have been added or revised are outlined below together with the highlights of the revision. Remove and insert the affected pages as listed and enter Revision No. and date on the Record of Revision Sheet.

CHAPTER/SECTION

AND PAGE NO.

DESCRIPTION OF CHANGE

TITLE PAGE

Added 413T1089-6 top assembly.

1

1002,1004-1005

25-22-01

HIGHLIGHTS

01.1

Page 1

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OVERHEAD BIN DOOR HANDLE ASSEMBLY

PART NUMBER 413T1089-1,-6

COMPONENT MAINTENANCE MANUAL
WITH
ILLUSTRATED PARTS LIST

25-22-01

TITLE PAGE

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01.1



REVISION RECORD

- Retain this record in front of manual. On receipt of revision, insert revised pages in the manual, and enter revision number, date inserted and initial.

REVISION NUMBER	REVISION DATE	DATE FILED	BY	REVISION NUMBER	REVISION DATE	DATE FILED	BY

TEMPORARY REVISION AND SERVICE BULLETIN RECORD

BOEING SERVICE BULLETIN	BOEING TEMPORARY REVISION	OTHER DIRECTIVE	DATE OF INCORPORATION INTO MANUAL

25-22-01

TR & SB RECORD

01

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BOEING
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PAGE	DATE	CODE	PAGE	DATE	CODE
25-22-01			REPAIR 2-1		
			601	OCT 10/84	01
			602	BLANK	
TITLE PAGE			REPAIR 3-1		
*1	APR 01/91	01.1	601	OCT 10/84	01
2	BLANK		602	BLANK	
REVISION RECORD			ASSEMBLY		
1	OCT 10/84	01	701	OCT 10/84	01
2	BLANK		702	BLANK	
TR & SB RECORD			ILLUSTRATED PARTS LIST		
1	OCT 10/84	01	1001	OCT 10/84	01
2	BLANK		*1002	APR 01/91	01.1
LIST OF EFFECTIVE PAGES			1003	BLANK	
*1	APR 01/91	01	*1004	APR 01/91	01.1
THRU LAST PAGE			*1005	APR 01/91	01.1
CONTENTS			1006	BLANK	
1	OCT 10/84	01			
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INTRODUCTION					
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DESCRIPTION & OPERATION					
1	OCT 10/84	01			
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502	BLANK				
REPAIR-GENERAL					
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* = REVISED, ADDED OR DELETED

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Testing and Trouble Shooting (not applicable)	
Disassembly*[1]	
Cleaning.*[1]	
Check	501
Repair.	601
Assembly.	701
Fits and Clearances (not applicable)	
Special Tools (not applicable)	
Illustrated Parts List.	1001
*[1] Special instructions not required. Use standard industry practices.	

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INTRODUCTION

The instructions in this manual provide the information necessary to perform maintenance functions ranging from simple checks and replacement to complete shop-type repair.

This manual is divided into separate sections:

- | | |
|--|------------------------------|
| 1. Title Page | 4. List of Effective Pages |
| 2. Record of Revisions | 5. Table of Contents |
| 3. Temporary Revision &
Service Bulletin Record | 6. Introduction |
| | 7. Procedures & IPL Sections |

Refer to the Table of Contents for the page location of applicable sections. An asterisked flagnote *[] in place of the page number indicates that no special instructions are provided since the function can be performed using standard industry practices.

The beginning of the REPAIR section includes a list of the separate repairs, a list of applicable standard Boeing practices, and an explanation of the True Position Dimensioning symbols used.

An explanation of the use of the Illustrated Parts List is provided in the Introduction to that section.

All weights and measurements used in the manual are in English units, unless otherwise stated. When metric equivalents are given they will be in parentheses following the English units.

Design changes, optional parts, configuration differences and Service Bulletin modifications create alternate part numbers. These are identified in the Illustrated Parts List (IPL) by adding an alphabetical character to the basic item number. The resulting item number is called an alpha-variant. Throughout the manual, IPL basic item number references also apply to alpha-variants unless otherwise indicated.

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INTRODUCTION

01

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OVERHEAD BIN DOOR HANDLE ASSEMBLY

DESCRIPTION AND OPERATION

1. Description and Operation

- A. The door handle assembly is a part of the ceiling panel located below the outboard stowage bin. The assembly consists of a handle, bezel assembly and associated components.
- B. The door handle assembly, in conjunction with latch assembly, operates to latch and unlatch stowage bin door.

2. Leading Particulars (approximate)

Width -- 1.5 inches
Length -- 4 inches
Height -- 2 inches
Weight -- TBD

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DESCRIPTION & OPERATION

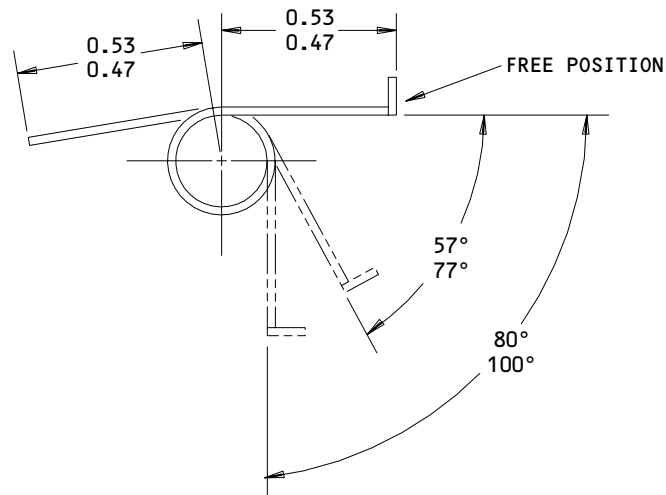
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CHECK

1. Check all parts for obvious defects in accordance with standard industry practices.
2. Check spring (25, 30) per Fig. 501.
 - A. Rotate spring in the winding direction to an angle of 57-77 degrees from free position and check that moment force is 0.11-0.09 pound-inch.
 - B. Rotate spring in the winding direction to an angle of 80-100 degrees from free position and check that moment force is 0.14-0.12 pound-inch.



ALL DIMENSIONS ARE IN INCHES

Spring Check
 Figure 501

144612

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CHECK

01

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REPAIR – GENERAL1. Content

- A. Repair, refinish and replacement procedures are included in separate repair sections as follows:

<u>P/N</u>	<u>NAME</u>	<u>REPAIR</u>
413T1027	HANDLE	1-1
413T1026	BEZEL	2-1
- - -	MISC PARTS REFINISH	3-1

2. Standard Practices

- A. Refer to the following standard practices as applicable, for details of procedures in individual repairs.

20-30-02 Stripping of Protective Finishes
 20-30-03 General Cleaning Procedures
 20-41-01 Decoding Table for Boeing Finish Codes
 20-42-05 Bright Cadmium Plating
 20-43-01 Chromic Acid Anodizing
 20-50-03 Bearing Installation and Retention
 20-50-12 Application of Adhesives

3. Materials

NOTE: Equivalent substitutes may be used.

- A. Primer -- BMS 10-11, type 1 (Ref 20-60-02)
 B. Adhesive -- Type 60 (Ref 20-50-12)
 C. Sealant -- BMS 5-95 (Ref 20-60-04)
 D. Corrosion preventive compound -- MIL-C-16173, Grade 2 (Ref 20-60-03)

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REPAIR-GENERAL

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HANDLE - REPAIR 1-1

413T1027-1

NOTE: Refer to REPAIR-GEN for list of applicable standard practices.

1. Bearing Replacement

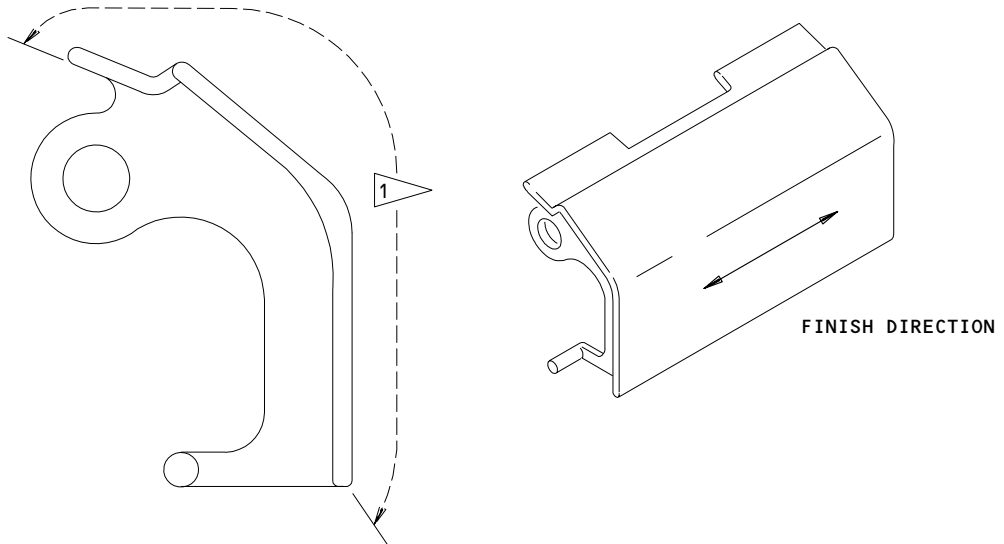
- A. Remove bearing (20) (IPL Fig. 1).
- B. Install new bearing (20) per 20-50-03.


2. Pad Replacement

- A. Remove pad (35) from handle (40).
- B. Bond new pad (35) on handle, using adhesive type 60 per 20-50-12.


3. Refinish

- A. HANDLE (40) -- Fig. 601

REFINISH

APPLY FINISH PER  . HARD ANODIZE (F-2.204)
 OTHER AREAS

MATERIAL: AL ALLOY

 APPLY DIRECTIONAL SATIN FINISH (F-14.261)

Handle Repair
 Figure 601

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REPAIR 1-1

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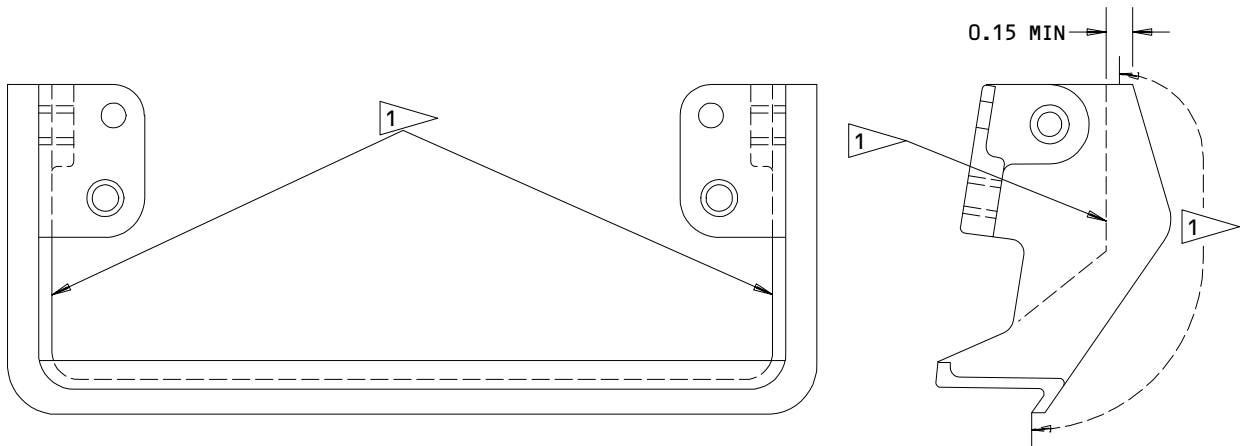
BEZEL - REPAIR 2-1

413T1026-2

NOTE: Refer to REPAIR-GEN for list of applicable standard practices.

1. Refinish (Fig. 601)

A. Bezel (55) -- Fig. 601




REFINISH

REFINISH PER 

CHROMIC ACID OR SULFURIC ACID ANODIZE (F-17.05)
OTHER AREAS

MATERIAL: AL ALLOY

ALL DIMENSIONS ARE IN INCHES

 APPLY DIRECTIONAL SATIN FINISH (F-14.261)

Bezel Refinish
Figure 601

144621

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MISCELLANEOUS PART REFINISH – REPAIR 3-1

1. Repair of parts listed in Fig. 601 consists of restoration of the original finish.

IPL FIG. & ITEM	MATERIAL	FINISH
<u>Fig. 1</u> Spring (25, 30)	Music wire	Cadmium plate per 20-42-05, apply one coat BMS 10-11, type 1, primer (F-16.03).

Refinish Details
Figure 601

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REPAIR 3-1

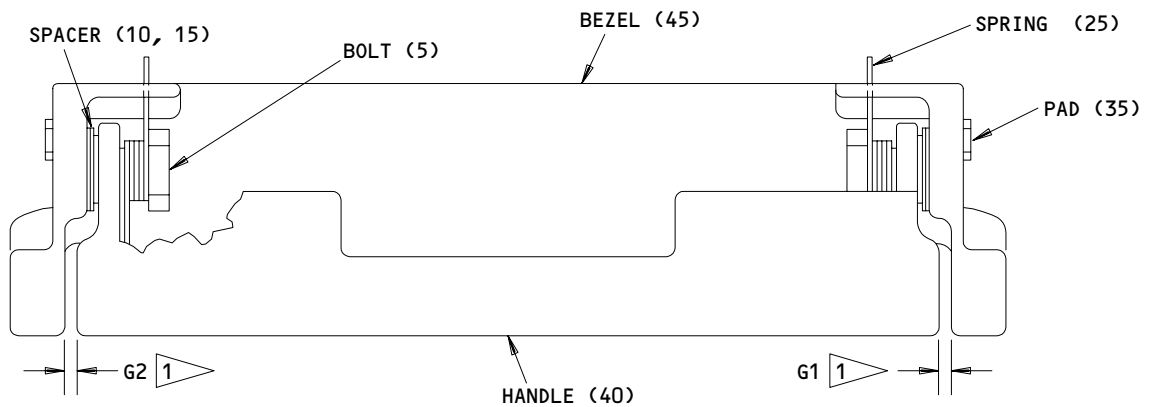
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ASSEMBLY1. Assembly (IPL Fig. 1)

- A. Place handle (40) in bezel assembly (45).
- B. Combine bolts (5), spring (25, 30), spacers (10, 15) and assemble into bearings (20) and inserts (50).
- C. Adjust gaps G1 and G2 per Fig. 701.



1 COMBINE SPACERS (10, 15) AS REQUIRED TO MAKE WIDTH DIFFERENCE BETWEEN GAPS G1 AND G2 LESS THAN 0.01 WITH HANDLE AGAINST EITHER SPACER

Handle Adjustment
 Figure 701



ILLUSTRATED PARTS LIST

1. This section lists and illustrates replaceable or repairable component parts. The Illustrated Parts Catalog contains a complete explanation of the Boeing part numbering system.

2. Indentures show parts relationships as follows:

Assembly

Detail Parts for Assembly

Subassembly

Attaching Parts for Subassembly

Detail Parts for Subassembly

Detail Installation Parts (Included only if installation parts may be returned to shop as part of assembly)

3. One use code letter (A, B, C, etc.) is assigned in the EFF CODE column for each variation of top assembly. All listed parts are used on all top assemblies except when limitations are shown by use code letter opposite individual part entries.

4. Letter suffixes (alpha-variants) are added to item numbers for optional parts, Service Bulletin modification parts, configuration differences (Except left- and right-hand parts), product improvement parts, and parts added between two sequential item numbers. The alpha-variant is not shown on illustrations when appearance and location of all variants of the part is the same.

5. Service Bulletin modifications are shown by the notations PRE SB XXXX and POST SB XXXX.

A. When a new top assembly part number is assigned by Service Bulletin, the notations appear at the top assembly level only. The configuration differences at detail part level are then shown by use code letter.

B. When the top assembly part number is not changed by the Service Bulletin, the notations appear at the detail part level.

6. Parts Interchangeability

Optional
(OPT)

The parts are optional to and interchangeable with other parts having the same item number.

Supersedes, Superseded By
(SUPSDS, SUPSD BY)

The part supersedes and is not interchangeable with the original part.

Replaces, Replaced By
(REPLS, REPLD BY)

The part replaces and is interchangeable with, or is an alternate to, the original part.

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ILLUSTRATED PARTS LIST

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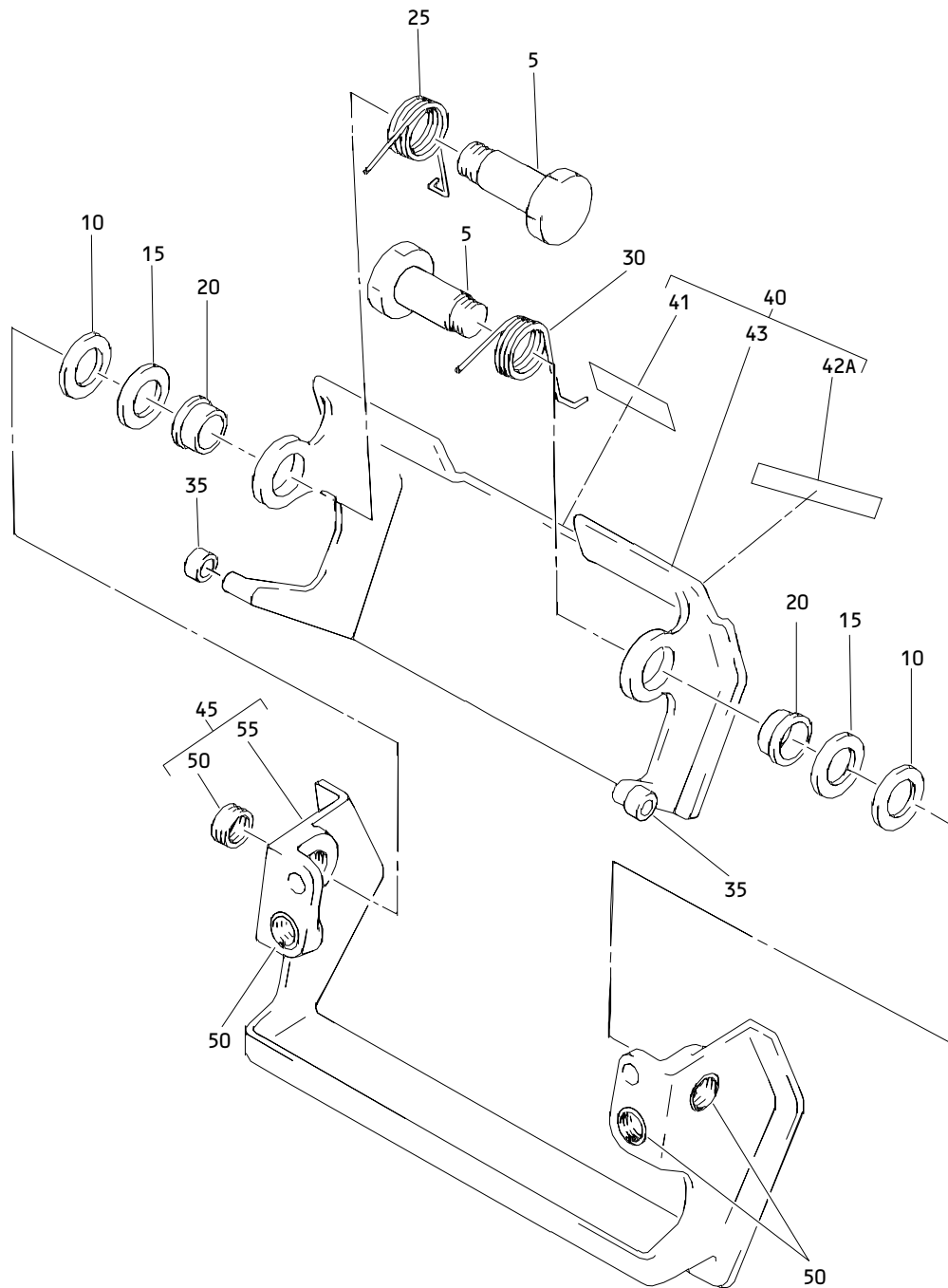
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VENDORS

96881 THOMSON INDUSTRIES INCORPORATED
SHORE ROAD AT CHANNEL DRIVE
PORT WASHINGTON, NEW YORK 11050

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Overhead Bin Door Handle Assembly
Figure 1

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FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
01- -1	413T1089-1		HANDLE ASSY-OVERHEAD BIN DOOR		RF
-1A	413T1089-6		HANDLE ASSY-OVERHEAD BIN DOOR		RF
5	413T1029-1		.BOLT		2
10	413T1089-4		.SPACER		2
15	413T1089-5		.SPACER		2
20	3L3F		.BEARING- (V96881)		2
25	413T1088-2		.SPRING		1
30	413T1088-1		.SPRING		1
35	413T1089-3		.PAD		2
40	413T1027-1		.HANDLE		1
-40A	413T1027-3		.HANDLE ASSY	B	1
41	BAC29PPS2025		..DECAL	B	1
42	BAC29PPS2202		..DECAL	B	1
43	413T1027-1		..HANDLE	B	1
45	413T1026-1		.BEZEL ASSY		1
50	MS21209C0810		..INSERT		4
55	413T1026-2		..BEZEL-MACHINED		1

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ILLUSTRATED PARTS LIST

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