TO: ALL HOLDERS OF BULK CARGO DOOR BALANCE SYSTEM SPRING TUBE ASSEMBLY COMPONENT MAINTENANCE MANUAL 52-36-25.

REVISION NO. 8 DATED MAR 01/05

HIGHLIGHTS

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 to the Record of Revision Sheet.

CHAPTER/SECTION AND PAGE NO.	DESCRIPTION OF CHANGE
501	Changed the CHECK Section to identify the checks to be done if the spring-tube-assembly is disassembled.

BULK CARGO DOOR BALANCE SYSTEM SPRING TUBE ASSEMBLY

PART NUMBER 146T6387-5,-6,-8

COMPONENT MAINTENANCE MANUAL
WITH
ILLUSTRATED PARTS LIST

4448

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
52A46 52-47			APR 10/87 OCT 01/87

PAGE	DATE	CODE
52-36-25		
TITLE PAGE		
1	JUL 01/00	01.1
2	BLANK	
REVISION RECORD		
1	OCT 01/87	01
2	BLANK	
TR & SB RECORD		
1	OCT 01/87	01
2	BLANK	
LIST OF EFFECTIVE PAGES		
*1	MAR 01/05	01
THRU LAST PAGE		
CONTENTS		
1	OCT 01/87	01
2	BLANK	
INTRODUCTION		
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2	BLANK	
DESCRIPTION & OPERATION		
1	JUL 01/00	01.1
2	BLANK	
DISASSEMBLY		
301	JUL 01/03	01.1
302	BLANK	
CHECK		
*501	MAR 01/05	01.1
502	BLANK	
REPAIR-GENERAL		
601	OCT 01/89	01.1
602	BLANK	
REPAIR 1-1		
601	OCT 01/87	01
602	BLANK	
REPAIR 2-1		
601	OCT 01/89	01.1
602	BLANK	
REPAIR 3-1		
601	OCT 01/87	01
602	BLANK	
ASSEMBLY		
701	JUL 01/03	01.1
702	JUL 01/03	01.1
703	JUL 01/03	01.1
704	JUL 01/00	01.1
705	JUL 01/00	01.1
706	JUL 01/00	01.1
FITS AND CLEARANCES		
801	OCT 01/87	01
802	JUL 01/00	01.1
SPECIAL TOOLS		
901	JUL 01/03	01.1
902	BLANK	
ILLUSTRATED PARTS LIST		
1001	OCT 01/87	01
1002	OCT 01/87	01
1003	OCT 01/87	01
1004	OCT 01/87	01
1005	JUL 01/00	01.1
1006	JUL 01/00	01.1
1007	JUL 01/00	01.1
1008	JUL 01/00	01.1
1009	JUL 01/00	01.1
1010	JUL 01/00	01.1
1011	JUL 01/03	01.1
1012	JUL 01/03	01.1

* = REVISED, ADDED OR DELETED

TABLE OF CONTENTS

*[1] Special instructions not required. Use standard industry practices and information contained in 20-30-01 and 20-30-03.

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

Refer to the Table of Contents for the page location of applicable sections.

The beginning of the REPAIR section includes a list of the separate repairs and a list of applicable standard Boeing practices.

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.

Verification:

Disassembly	SEP 7/82
Assembly	SEP 7/82

BULK CARGO DOOR BALANCE SYSTEM SPRING TUBE ASSEMBLY

DESCRIPTION AND OPERATION

1. Description and Operation

   A. The bulk cargo door balance system spring tube assembly consists of a tube containing compression springs and spring guides, a pulley mounted in a fitting attached to one end of the tube, and a cable assembly connected to the spring system. The spring tube counterbalances the weight of the bulk cargo door for easy opening.

2. Leading Particulars (Approximate)

   A. Length -- 38 inches

   B. Diameter -- 2.5 inches

   C. Weight -- 32 pounds

DISASSEMBLY

1. Equipment

   NOTE: Equivalent substitutes may be used.

   A. Clamp Equipment -- A52010-50 or -51

   B. DELETED

2. Disassembly (IPL Fig. 1)

   A. Remove two screws (75, 77) and washers (80) securing tube guard (97) and cover (100). Clamp equipment cannot be used with cover and guard in place.

   WARNING: SPRINGS IN THIS UNIT ARE UNDER HIGH COMPRESSIVE LOAD. DO NOT ATTEMPT TO REMOVE SPRING STOP (105) WITHOUT AID OF CLAMP EQUIPMENT OR INJURY TO PERSONNEL MAY OCCUR.

   B. Using clamp equipment, A52010-50 or -51, compress springs until load is removed from spring stop (105), or from rigging pin if installed.

   C. Remove remaining screws (75), washers (80), and stop (105). Remove rigging pin if installed.

   D. Using clamp equipment, slowly allow springs to extend until all load is released. Remove the clamp equipment.

   E. Complete disassembly using standard shop procedures.

      NOTE: Do not remove radius fillers (20, 85) from fitting assembly (5A) or spring stop (105) unless necessary for repair or replacement. Do not disassemble cable assembly (170A). Replace as a unit.

CHECK

1. Use standard industry procedures to do a visual check for damage on all visible parts.

2. Do a penetrant check (SOPM 20-20-02) if the visual check shows possible damage on the fitting (60A).

3. If the spring-tube-assembly is disassembled do the checks that follow:

   A. Penetrant check (SOPM 20-20-02) springs (145, 150, IPL Fig. 1), spring guides (115, 135, 140, IPL Fig. 1).

   B. Check springs (145, 150, IPL Fig. 1) for load limits as specified in Fig. 501.

Item No. Fig. 1	Test Length (inches)	Allowable Load Limit (pounds)
145	5.89-5.95 3.95-4.01	234-286 445-545
150	3.27-3.29	224-248

Compression Spring Data
Figure 501

REPAIR - GENERAL

1. Content

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

P/N	NAME	REPAIR
69B15659	PULLEY	1-1
BAC27TBY0038	MARKER	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
   20-50-05 Application of Aluminum Foil and Other Markers

3. Materials

   NOTE: Equivalent substitutes may be used.

   A. Enamel -- BMS 10-11, type 2, BAC702 white gloss (Ref 20-60-02)

   B. Primer -- BMS 10-11, type 1 (Ref 20-60-02)

PULLEY ASSEMBLY - REPAIR 1-1

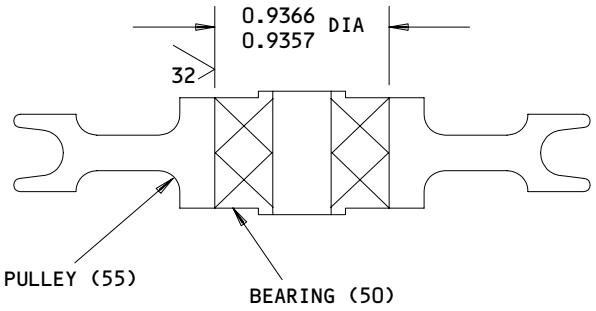
69B15659-1

NOTE: Refer to REPAIR-GEN for list of applicable standard practices. For repair of surfaces which may only require restoration of original finish, refer to Refinish instructions, Fig. 601.

1. Bearing Replacement

   A. Remove bearing.

   B. Install bearing (50) per 20-50-03.



REFINISH

PULLEY (55) -- SULFURIC ACID ANODIZE (F-17.03)

MATERIAL: AL ALLOY

ALL DIMENSIONS ARE IN INCHES

Pulley Assembly Repair
Figure 601

30953

ALUMINUM FOIL MARKER - REPAIR 2-1

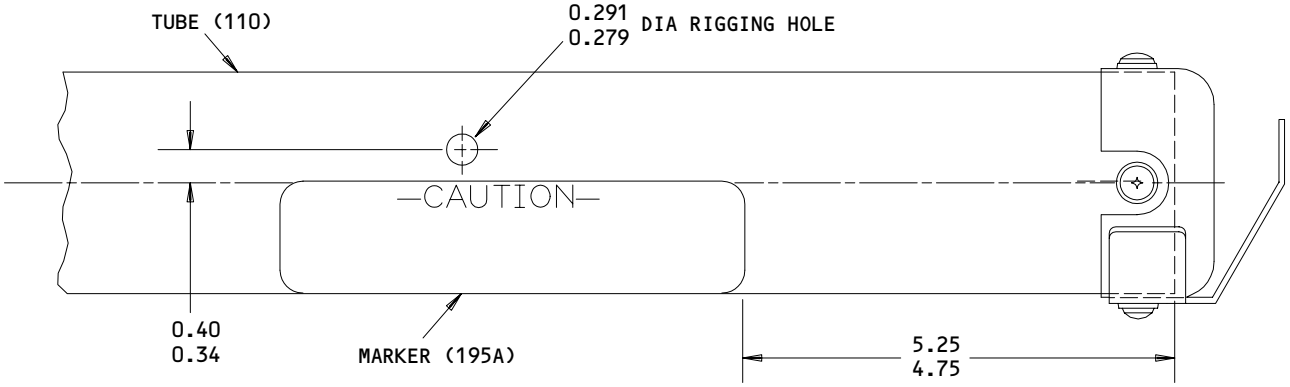
BAC27TBY0038

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

1. Marker Replacement

   A. Remove damaged or defective marker.

   B. Prepare surface of tube (110, IPL Fig. 1) and apply replacement marker per 20-50-05. Locate marker as shown in Fig. 601.



ALL DIMENSIONS ARE IN INCHES

Marker Replacement
Figure 601

30954

MISCELLANEOUS PARTS REFINISH - REPAIR 3-1

NOTE: Repair of these parts consists of restoration of original finish.

IPL FIG. & ITEM	MATERIALS	FINISH
Fig. 1		
Radius filler (20, 85) Tube (110)	Al alloy	Chromic acid anodize. Apply one coat of BMS 10-11, type 1 primer (F-18.13) and one coat of BMS 10-11, type 2 enamel, BAC702 white gloss (F-21.03) all over, except omit primer and enamel from interior surface of tube (110).
Bracket (56)	Al alloy	Chemical treat and apply one coat of BMS 10-11, type 1 primer (F-18.06).
Fitting (60A)	Al alloy	Chromic acid anodize and apply one coat of BMS 10-11, type 1 primer (F-18.13). Apply one coat of BMS 10-11, type 2 enamel, color BAC702 white gloss (SRF-14.905-702), except omit enamel from bolt holes.
Spring stop (105)	Al alloy	Chemical treat surface to meet requirements of MIL-C-5541 (colored film) or chromic acid anodize and apply one coat of BMS 10-11, type 1 primer (F-18.05) all over.
Spring guide (115, 135, 140)	Al alloy	Chromic acid anodize (F-17.02) and apply one coat BMS 10-11, type 1 primer (F-20.02).
Bearing plate (180)	17-4PH CRES 180-200 ksi	Passivate (F-17.09).
Cable terminal (185)	304 or 303 CRES	Passivate (F-17.09).
Tube guard (97)	Al alloy	Chemical treat and apply one coat of BMS 10-11, type 1 primer (F-18.06). Apply one coat of BMS 10-11, type 2 enamel, color BAC702 white gloss (SRF-14.905-702).

Refinish Details
Figure 601

ASSEMBLY

1. Materials

NOTE: Equivalent substitutes may be used.

A. Grease -- BMS 3-24 (Ref 20-60-03)

2. Equipment

NOTE: Equivalent substitutes may be used.

A. Clamp Equipment -- A52010-50 or -51

B. DELETED

C. Rigging Pin -- A20004-10

3. Assembly (IPL Fig. 1)

A. Assemble fitting assembly.

(1) If new fitting (60A) is being installed, drill holes for screws per Fig. 701. Use existing holes in tube (110) as a pattern. If tube is also new, position tube on fitting per Fig. 701 and drill holes through both parts.

(2) Install items (55C, 55F, 55J, 55M) on bracket (56). Attach bracket (56) to fitting (60A) with parts (57 thru 59).

(3) Install washer (35) and bushing (40) on bolt (30A), then install pulley assembly (25) on fitting with parts (30A thru 45A).

(a) Make sure the bolt (30A) and nut (45A) do not turn after they are installed. If necessary to get a tight fit, you can replace bolt (30A) with a BACB30NR5K20 bolt and a maximum of three NAS1149D0563J washers, one under the bolthead and two under the nut.

B. Install tube and spring components.

(1) If new tube (110) is being installed, drill holes for screws per Fig. 701. If spring stop (105) is also new, position parts per Fig. 701 and drill holes through both parts.

(2) Drill holes in radius fillers (20, 85), as required, to match nutplates (65, 90). Install radius fillers and nutplates in fitting assembly and spring stop with rivets (70, 95). Ensure that rivets are flush in outside of fitting and spring stop.

(3) Install tube on fitting assembly with screws (10) and washers (15).

(4) Apply light coat of BMS 3-24 grease to cable assembly (170A) and feed cable around pulley and through tube.

(5) Install spring guide (115) in bottom of tube. Install retainers (130A) on spring guides (135, 140).

(6) Install the springs (145, 150) into the tube (110).

(a) For the 146T6387-5, -6 tube assemblies:

1) Install the five sets of outer and inner springs (145, 150) into the tube (110), with each set separated by a spring guide assembly (120A) as shown in Fig. 702.

(b) For the 146T6387-8 tube assemblies:

1) Install the five springs (145A) into the tube (110), with each spring separated by a spring guide assembly (120A) as shown in Fig. 702.

(7) For the 146T6387-5, -6 tube assemblies:

(a) Install the nut (165) on the cable assembly (Fig. 702). Run the nut up tight against the end of the threads.

(8) Install the spring guide assembly (125A) on the end of the cable and retain with nuts (160, 166) and washer (155).

(a) For the 146T6387-5 and -6 tube assemblies, adjust the nut (160) so that the face of the spring guide ia 1.47-1.53 inch from the free end of the cable terminal (185) (Fig. 702).

(b) For the 146T6387-8 tube assembly, adjust the nuts (160A, 166) so that the face of the spring guide is 2.47-2.53 inch from the free end of the cable terminal (185A) (Fig. 702).

WARNING: SPRINGS WILL BE UNDER HEAVY COMPRESSION LOAD WHEN SPRING STOP (105) IS INSTALLED. USE EXTREME CARE TO AVOID INJURY TO PERSONNEL.

(9) Install clamp equipment, A52010-50 or 51, on tube. Position spring stop (105) on the hand wheel shaft.

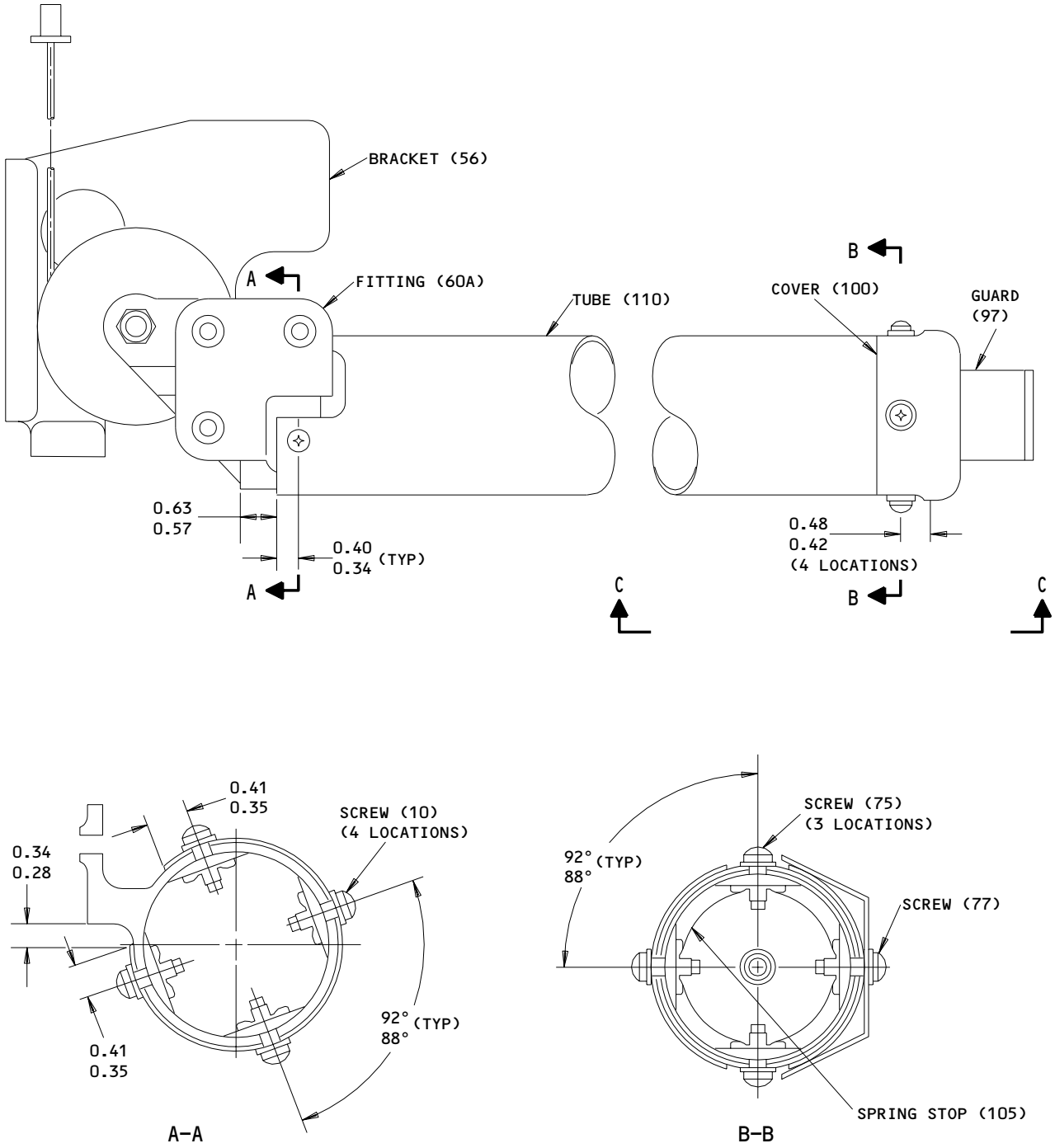
(10) Use the clamp equipment, A52010-50 or -51, to compress the springs until the spring stop can be installed in the tube. Secure stop with two screws (75) and washers (80) installed 180 degees apart, as shown in Fig. 701.

(11) Continue to use the clamp equipment to compress the springs and install the rigging pin A20004-10 (Fig. 701).

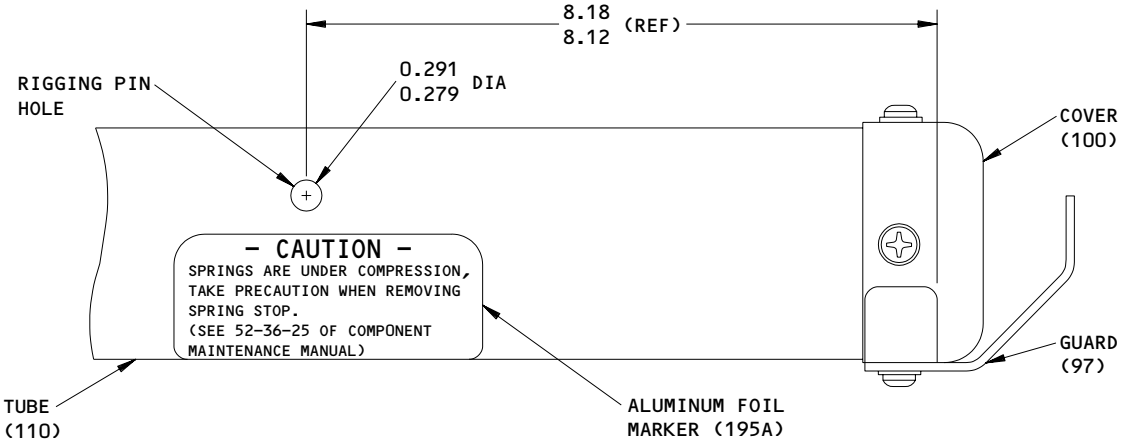
NOTE: The rigging pin is installed into the spring tube assembly before the spring tube assembly is installed onto the airplane. Refer to AMM 52-36-02 for installation procedures.

(12) Slowly back off the clamp equipment to transfer the spring load to the rigging pin. Remove the clamp equipment.

(13) Install cover (100) and tube guard (97) with remaining screws (75, 77) and washers (80).



Assembly Details and Parts Replacement
Figure 701 (Sheet 1)

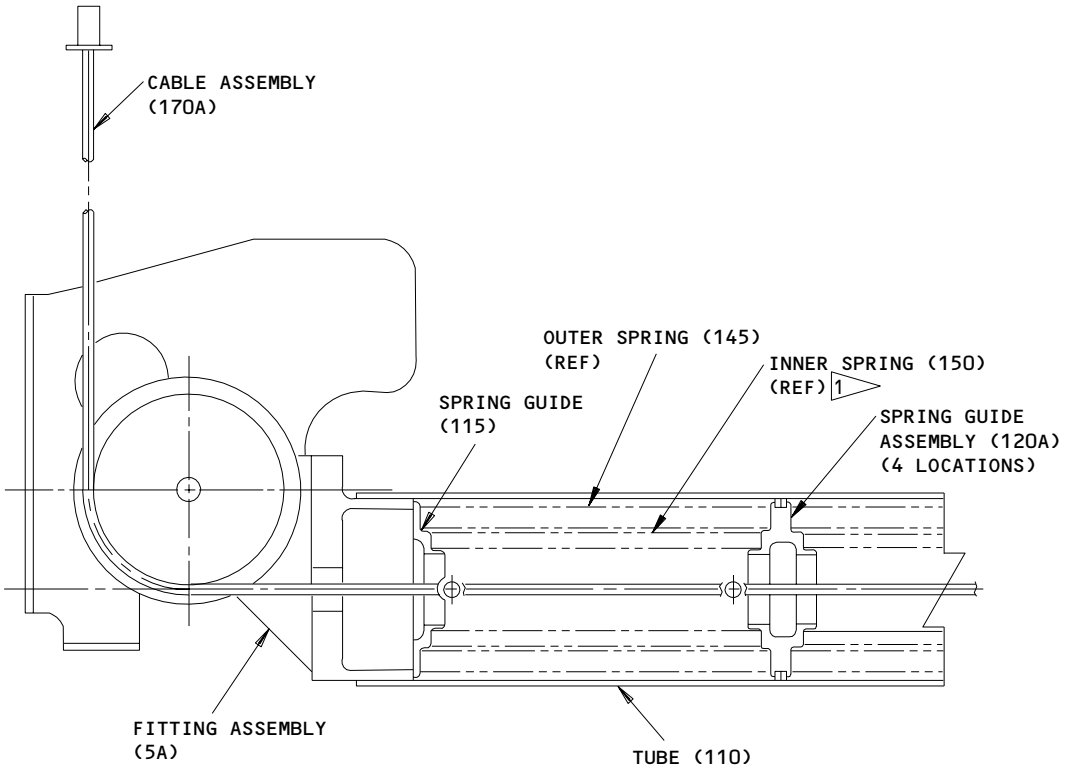


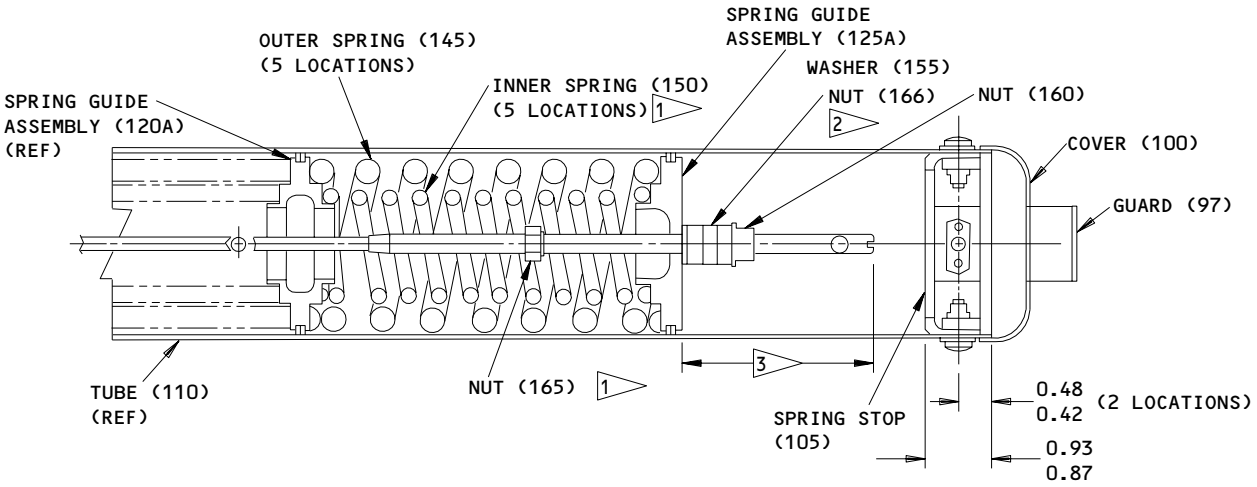
C–C

ITEM NUMBERS REFER TO IPL FIG. 1

ALL DIMENSIONS ARE IN INCHES

Assembly Details and Parts Replacement
Figure 701 (Sheet 2)





1 USED ON THE 146T6387-5,-6 ASSEMBLIES ONLY

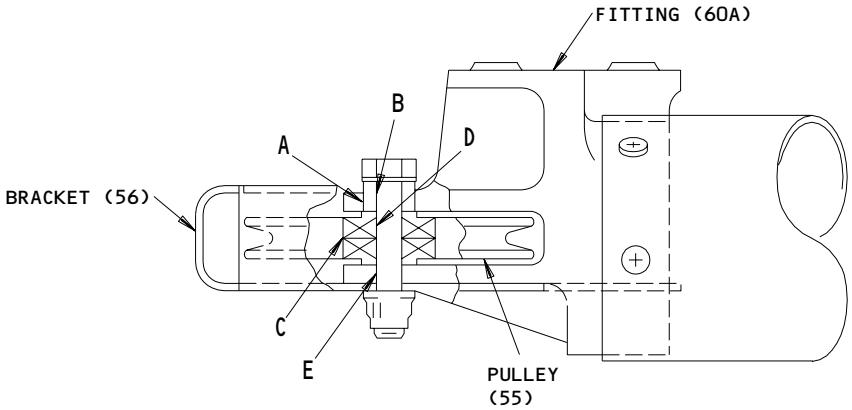
2 USED ON THE 146T63287-8 ASSEMBLY ONLY

3 THIS DIMENSION IS 1.47 TO 1.53 INCH FOR THE 146T6387-5 AND -6 ASSEMBLIES; 2.47 TO 2.53 FOR THE 146T6387-8 ASSEMBLY

ALL DIMENSIONS ARE IN INCHES

Assembly Details - Spring Installation
Figure 702

FITS AND CLEARANCES



Ref Letter Fig.801	Mating Item No. IPL Fig.	Design Dimension				Service Wear Limit		
		Dimension		Assembly Clearance *[1]		Dimension		Maximum Clearance
		Min	Max	Min	Max	Min	Max	
A	ID 60A OD 40	0.4995 0.496	0.5005 0.498	0.002	0.005			
B	ID 40 OD 30A	0.3120 0.3110	0.3135 0.3120	0.0000	0.0025			
C	ID 55 OD 50	0.9357 0.9370	0.9366 0.9375	- 0.0018	- 0.0004			
D	ID 50 OD 30A	0.3120 0.3110	0.3125 0.3120	0.0000	0.0015			
E	ID 60A OD 30A	0.312 0.3110	0.316 0.3120	0.000	0.005			

*[1] NEGATIVE VALUES DENOTE INTERFERENCE FIT

ALL DIMENSIONS ARE IN INCHES

Fits and Clearances
Figure 801

REF IPL		NAME	TORQUE*	
FIG. NO.	ITEM NO.		POUND-INCHES	POUND-FEET
1	160A, 160B	Nut, Self Locking	24-30	
1	166	Nut	24-30	

* REFER TO SOPM 20-50-01 FOR TORQUE VALUES OF STANDARD FASTENERS.

Torque Table
Figure 802

L31018

SPECIAL TOOLS, FIXTURES AND EQUIPMENT

NOTE: Equivalent substitutes may be used.

1. Clamp Equipment -- A52010-50 or -51

2. Rigging Tool -- A20004-10

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.

VENDORS

06710 VALLEY-TODECO INC
12975 BRADLEY AVE
SYLMAR, CALIFORNIA 91342

06725 AIR INDUSTRIES CORP
12570 KNOTT STREET
GARDEN GROVE, CALIFORNIA 92641

06950 VSI CORP SCREWCORP DIV
13001 EAST TEMPLE AVENUE
CITY OF INDUSTRY, CALIFORNIA 91746

08524 DEUTSCH FASTENER CORP
PO BOX 92925 7001 WEST IMPERIAL HIGHWAY
LOS ANGELES, CALIFORNIA 90045

09192 ALUMINUM COMPANY OF AMERICA VERNON WORKS
5151 ALCOA AVENUE
VERNON, CALIFORNIA 90058

11815 TOWNSEND DIV OF TEXTRON INC CHERRY FASTENER UNIT
BOX 2157 1224 EAST WARNER AVENUE
SANTA ANA, CALIFORNIA 92707

15653 KAYNAR MFG COMPANY INC KAYLOCK DIV
PO BOX 3001 800 SOUTH STATE COLLEGE BLVD
FULLERTON, CALIFORNIA 92634

17943 FEDERAL MANUFACTURING CORP
6910 FARMDALE AVENUE
NORTH HOLLYWOOD, CALIFORNIA 91605

21335 TEXTRON INC FAFNIR BEARING DIVISION
37 BOOTH STREET
NEW BRITAIN, CONNECTICUT 06050

21760 SCHATZ FEDERAL BEARINGS CO INC
FAIRVIEW AVENUE
POUGHKEEPSIE, NEW YORK 12602

22277 BELL-MEMPHIS INC
1650 CHANNEL AVENUE
MEMPHIS, TENNESSEE

VENDORS

26590 HOOD INDUSTRIES
4615 SHEPARD STREET
BAKERSFIELD, CALIFORNIA 93309

27624 PAUL R BRILES INC P.B. FASTENER DIV
1700 WEST 132ND STREET PO BOX 1157
GARDENA, CALIFORNIA 90249

38443 TRW INC BEARING DIV
402 CHANDLER STREET
JAMESTOWN, NEW YORK 14701

42838 NATIONAL RIVET AND MANUFACTURING COMPANY
1-21 EAST JEFFERSON STREET
WAUPUN, WISCONSIN 53963

43991 FAG BEARING INCORPORATED
HAMILTON AVENUE
STAMFORD, CONNECTICUT 06904

52828 REPUBLIC FASTENER MFG CORP
1300 RANCHO CONEJO BLVD
NEWBURY PARK, CALIFORNIA 91320

53551 ALLFAST INC
15252 DON JULIAN ROAD PO BOX 3166
CITY OF INDUSTRY, CALIFORNIA 91744

55580 BRILES RIVET CORP
2125 SOUTH HATHAWAY STREET
SANTA ANA, CALIFORNIA 92705

59157 LOOS AND COMPANY INC
ROUTE 101
POMFRET, CONNECTICUT 06258

71087 BOOTS ACFT NUT DIV TOWNSEND CO SEE TEXTRON INC CHERRY
FASTENER TOWNSEND DIV V11815

72962 ESNA DIV OF AMERACE CORP
2330 VAUXHALL ROAD
UNION, NEW JERSEY 07083

VENDORS

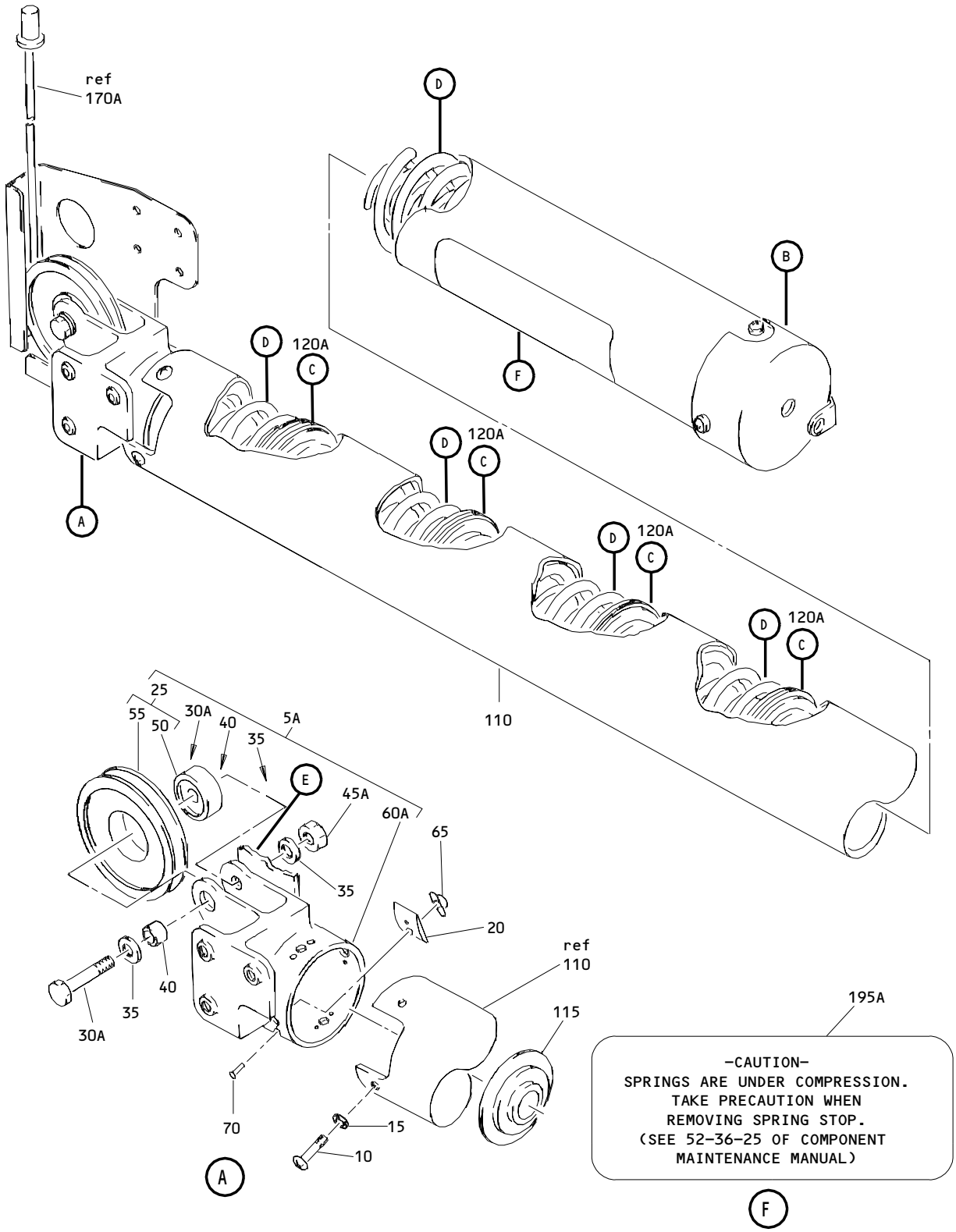
80523 ACCO INDUSTRIES INC CABLE CONTROLS DIV
1022 EAST MICHIGAN STREET
ADRIAN, MICHIGAN 49221

80539 SPS TECHNOLOGIES INC AEROSPACE PRODUCTS DIV
2701 SOUTH HARBOR BOULEVARD
SANTA ANA, CALIFORNIA 92702

83014 HARTWELL CORPORATION
900 RICHFIELD ROAD
PLACENTIA, CALIFORNIA 92670

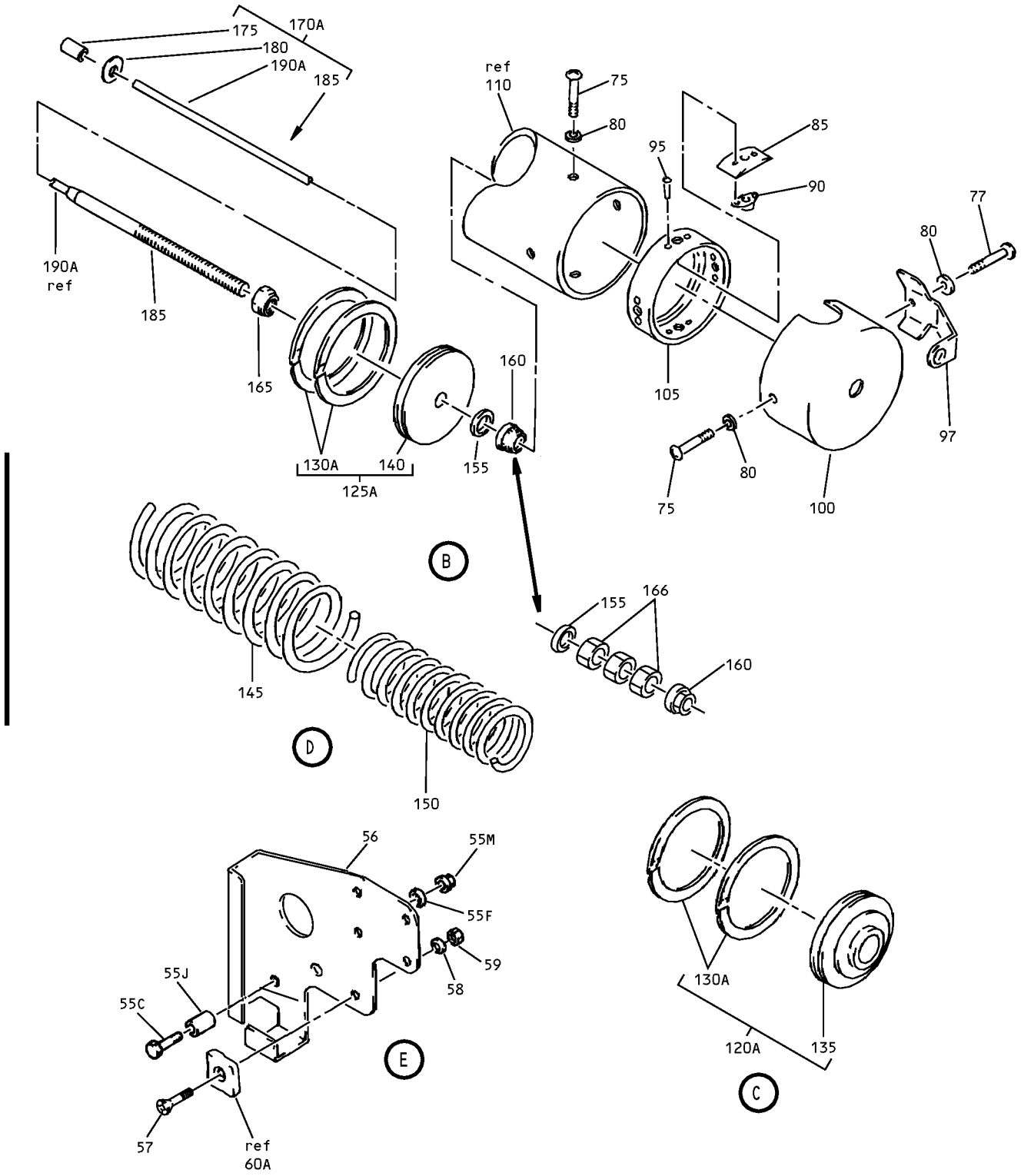
92215 VOI-SHAN DIV OF VSI CORP
8463 HIGUERA STREET
CULVER CITY, CALIFORNIA 90230

97928 LITTON FASTENING SYSTEMS DIV OF LITTON SYSTEMS INC
3969 PARAMOUNT BOULEVARD
LAKEWOOD, CALIFORNIA 90712



Bulk Cargo Door Balance System Spring Tube Assembly
Figure 1 (Sheet 1)

T72724



Bulk Cargo Door Balance System Spring Tube Assembly
Figure 1 (Sheet 2)

U14705

FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
01-					
-1	146T6387-1		DELETED		
-1A	146T6387-3		DELETED		
-1B	146T6387-4		DELETED		
-1C	146T6387-5		TUBE ASSY-BULK CARGO DOOR BAL SYS SPR	A	RF
-1D	146T6387-6		TUBE ASSY-BULK CARGO DOOR BAL SYS SPR	B	RF
-1E	146T6387-8		TUBE ASSY-BULK CARGO DOOR BAL SYS SPR	C	RF
5			DELETED		
5A	146T6397-1		.FITTING ASSY (PRE SB 52A46, 52-47)	A	1
-5B	146T6397-2		.FITTING ASSY (POST SB 52A46, 52-47)	A	1
-5C	146T6397-2		.FITTING ASSY ATTACHING PARTS	BC	1
10	NAS623-3-6		.SCREW		4
15	AN960PD10L		.WASHER		4
20	146T6392-1		.FILLER-RADIUS -------*-------		4
25	69B15659-1		..PULLEY ASSY ATTACHING PARTS		1
30	BACB30NF5D18		DELETED		
30A	BACB30NR5K21		..BOLT		1
35	AN960PD516		..WASHER		2
40	NAS74A5-004P		..BUSHING		1
45	BACN10JD5		DELETED		
45A	H10-5BAC		..NUT (V15653) (SPEC BACN10JC5) (OPT RMLH9075-5W (V72962)) (OPT T6S524J (V71087)) (OPT 96-054 (V80539)) (OPT BRH10A5 (V52828)) -------*-------		1
46	MS24665-231		DELETED		

FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
01-50	PD5K		...BEARING- (V38443) (SPEC BACB10BG3D) (OPT LLPD5K (V38443)) (OPT PD5K36531 (V21335)) (OPT PD5KFS428 (V21335)) (OPT PD5KTT (V43991)) (OPT PD5KT1C1-02 (V21760))		1
55	69B15659-2		...PULLEY		1
55C	NAS623-3-17		..SCREW (USED ON 5B,5C)		1
55F	AN960PD10		..WASHER (USED ON 5B,5C)		1
55J	NAS42DD6A64		..SPACER (USED ON 5B,5C)		1
55M	H10-3BAC		..NUT (USED ON 5B,5C) (V15653) (SPEC BACN10JC3) (V80539) (V72962) (V71087) (V92215) (V52828)		1

FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
01-					
56	146T6399-4		..BRACKET (USED ON 5A)		1
-56A	146T6399-5		..BRACKET (USED ON 5B,5C)		1
57	BACB30LH3-4		..BOLT (V06710) (SPEC BACB30LH3-4) (V06725) (V06950) (V08524) (V17943) (V27624) (V80539) (V92215) (V97928)		1
58	AN960PD10		..WASHER		1
59	H10-3BAC		..NUT (V15653) (SPEC BACN10JC3) (OPT NS202101-02 (V80539)) (OPT RMLH9075-3W (V72962)) (OPT T6S1032J (V71087)) (OPT VN303A02 (V92215)) (OPT 96-02 (V80539)) (OPT BRH10A3 (V52828))		1
60	65B09270-5		DELETED		
60A	146T6398-1		..FITTING		1
65	F5000-3BAC		.NUTPLATE- (V15653) (SPEC BACN10JR3F) (OPT NS103203-02 (V80539)) (OPT RMF9201-3 (V72962)) (OPT T8091S1032 (V11815)) (OPT VN152A1-02 (V92215))		4

FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
01-					
70	BACR15BA3AD7		.RIVET- (V09192) (SPEC BACR15BA3AD7) (V42838) (V53551) (V55580)		8
75	NAS623-3-5		.SCREW		3
77	NAS623-3-7		.SCREW		1
80	AN960PD10L		.WASHER		4
85	146T6392-1		.FILLER-RADIUS		4
90	F5000-3BAC		.NUTPLATE- (V15653) (SPEC BACN10JR3F) (REFER TO ITEM 65 FOR OPTIONAL PARTS)		4
95	BACR15BA3AD7		.RIVET- (V09192) (SPEC BACR15BA3AD7) (REFER TO ITEM 70 FOR OPTIONAL PARTS)		8
97	146T6359-1		.GUARD-TUBE		1
100	69B02779-1		.COVER		1
105	69B03729-1		.STOP-SPR		1
110	146T6387-2		.TUBE		1
115	65B09325-3		.GUIDE-SPR		1
120	65B09325-1		DELETED		
120A	65B09325-6		.GUIDE ASSY-SPR		4
125	65B09326-1		DELETED		
125A	65B09326-4		.GUIDE ASSY-SPR		1
130	MS28774-227		DELETED		
130A	146T6333-1		..RETAINER		2
135	65B09325-2		..GUIDE-SPR (USED ON ITEM 120A)		1
140	65B09326-2		..GUIDE-SPR (USED ON ITEM 125A)		1
145	146T6380-1		.SPRING-OUTER	AB	5
-145A	146T6380-2		.SPRING-OUTER	C	5
150	69B02077-1		.SPRING-INNER	AB	5
155	AN960XC416		.WASHER	AB	1
-155A	NAS1149C0463P		.WASHER	C	1

FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
01-					
160	NAS1804-4		.NUT-SELF LOCKING	AB	1
-160A	MS21044N4		.NUT-SELF LOCKING (REPLD BY ITEM 160B)	C	1
-160B	BACN10JC4CD		.NUT-SELF LOCKING (REPLS ITEM 160A)	C	1
165	BRH10A4		.NUT- (V52828) (SPEC BACN10JC4) (OPT H10-4BAC (V15653)) (OPT NS202101-048 (V80539)) (OPT RMLH9075-4W (V72962)) (OPT T6S428J (V71087)) (OPT VN303A048 (V92215)) (OPT 96-048 (V80539))	AB	1
166	MS35650-3252		.NUT	C	3
170	146T6388-2		DELETED		
170A	146T6388-5		.CABLE ASSY (REPLD BY ITEM 170C)	AB	1
-170B	146T6388-9		.CABLE ASSY	C	1
-170C	146T6388-9		.CABLE ASSY (RPLS ITEM 170A)	AB	1
175	HI2099		..TERMINAL-CYLINDRICAL- (V26590) (SPEC BACT14A4) (OPT HT100-4 (V83014)) (OPT ST2099 (V80523)) (OPT ST24-3-4 (V59157)) (OPT BM2488A4 (V22277))		1

FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
01-					
180	69B02825-1		..PLATE-BRG		1
185	69B02780-2		..TERMINAL-CABLE (USED ON ITEM 170A)		1
-185A	69B02780-3		..TERMINAL-CABLE (USED ON ITEM 170B,170C))		1
190	146T6388-4		DELETED		
190A	146T6388-6		..CABLE (USED ON ITEM 170A)		1
-190B	146T6388-8		..CABLE (USED ON ITEM 170B,170C)		1
-195	BAC27TBY0001		.MARKER-ALUMINUM FOIL (SUPSD BY ITEM 195A)	A	1
195A	BAC27TBY0038		.MARKER-ALUMINUM FOIL (SUPSDS ITEM 195)	BC	1