

 **BOEING**
COMPONENT
MAINTENANCE MANUAL

TO: ALL HOLDERS OF FORWARD FAIRING ASSEMBLY COMPONENT MAINTENANCE MANUAL
MANUAL 54-52-01

REVISION NO. 3 DATED MAR 01/01

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 on the Record of Revision Sheet.

CHAPTER/SECTION

AND PAGE NO.

TITLE PAGE

1

TR & SB RECORD

1

1002,1004-1006,

1008-1009,1012-1022

DESCRIPTION OF CHANGE

Updated Illustrated Parts List. Added top assemblies
313T1100-75, -76, -96, -107.

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HIGHLIGHTS

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FORWARD FAIRING ASSEMBLY

PART NUMBERS 313T1100-2,-75,-76,-96,-107

COMPONENT MAINTENANCE MANUAL
WITH
ILLUSTRATED PARTS LIST

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TITLE PAGE

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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
SB 54-0002		PRR B10204 PRR B10201 PRR B10850 PRR B10826-2 PRR B10984 PRR C12029-1 PRR B11341-2	JUL 10/85 JUL 10/85 JUL 10/85 JUL 10/85 JUL 10/85 JUL 10/85 JUL 10/85 MAR 01/01

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 COMPONENT
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54-52-01			REPAIR-GENERAL		
			601	JUL 10/85	01.1
			602	BLANK	
TITLE PAGE			REPAIR 1-1		
*1	MAR 01/01	01.1	601	JUL 10/85	01.1
2	BLANK		602	BLANK	
REVISION RECORD			REPAIR 2-1		
1	JUL 10/84	01	601	JUL 01/90	01.1
2	BLANK		602	BLANK	
TR & SB RECORD			ASSEMBLY		
*1	MAR 01/01	01.1	701	JUL 01/90	01.1
2	BLANK		702	BLANK	
LIST OF EFFECTIVE PAGES			FITS AND CLEARANCES		
*1	MAR 01/01	01	801	JUL 01/90	01.1
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1	JUL 10/85	01.1	804	BLANK	
2	BLANK		ILLUSTRATED PARTS LIST		
INTRODUCTION			1001	JUL 10/84	01
1	JUL 01/90	01.1	*1002	MAR 01/01	01.1
2	BLANK		*1003	MAR 01/01	01.1
DESCRIPTION & OPERATION			*1004	MAR 01/01	01.1
1	JUL 10/85	01.1	*1005	MAR 01/01	01.1
2	BLANK		*1006	MAR 01/01	01.1
DISASSEMBLY			1007	BLANK	
301	JUL 10/85	01.1	*1008	MAR 01/01	01.1
302	BLANK		*1009	MAR 01/01	01.1
CLEANING			*1010	MAR 01/01	01.1
401	JUL 10/85	01.1	*1011	MAR 01/01	01.1
402	BLANK		*1012	MAR 01/01	01.1
CHECK			*1013	MAR 01/01	01.1
501	JUL 10/85	01.1	*1014	MAR 01/01	01.1
502	BLANK		*1015	MAR 01/01	01.1
			*1016	MAR 01/01	01.1
			*1017	MAR 01/01	01.1
			*1018	MAR 01/01	01.1
			*1019	MAR 01/01	01.1
			*1020	MAR 01/01	01.1

* = REVISED, ADDED OR DELETED

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PAGE	DATE	CODE	PAGE	DATE	CODE
ILLUSTRATED PARTS LIST		CONT.			
*1021	MAR 01/01	01.1			
*1022	MAR 01/01	01.1			

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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, 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: ASSEMBLY

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INTRODUCTION

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| FORWARD FAIRING ASSEMBLY

| DESCRIPTION AND OPERATION

1. Description and Operation

| A. The forward fairing assembly consists of an aluminum structure covered with aramid/epoxy/honeycomb sandwich panels. There are two fitting assemblies forward and two index bolts and latch assemblies aft. The forward fairing assembly is part of the strut protective covering which provides for smooth airflow. The forward fairing assembly is non-operational by itself.

2. Leading Particulars (approximate)

| Length -- 70 inches
| Width -- 28 inches
| Height -- 16 inches
| Weight -- 30 pounds

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DISASSEMBLY

1. Use standard industry practices for disassembly of this component.

NOTE: Disassemble this component only as necessary to complete fault isolation, determine the serviceability of parts, perform required repairs, and restore the unit to serviceable condition.

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CLEANING

CAUTION: DO NOT VAPOR DEGREASE GRAPHITE ARAMID EPOXY STRUCTURES WITH CHLORINATED CLEANING AGENTS SUCH AS METHYLENE CHLORIDE, TRICHLOROETHYLENE, AND TRICHLOROETHANE. CHLORINATED CLEANING AGENTS WILL CAUSE DAMAGE TO GRAPHITE/ARAMID EPOXY STRUCTURES.

1,1,1-TRICHLOROETHANE IS ONE OF THE SOLVENTS ALLOWED FOR CLEANING COMPOSITE COMPONENTS. DO NOT SUBMERGE PARTS IN THE SOLVENT OR ALLOW STANDING SOLVENT ON THE PARTS OR DAMAGE MAY OCCUR. USE 1,1,1-TRICHLOROETHANE ONLY AS A WIPE SOLVENT.

1. Clean all parts using standard industry practices per 20-30-03, except rubber seals.
2. Clean rubber seals (70, 75, 80, 85, 200, IPL Fig. 1) with a solution of mild soap and water.

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CHECK

1. Check all parts for obvious defects in accordance with standard industry practices.
2. Magnetic particle check per 20-20-01 -- Fitting (285, IPL Fig. 1).
3. Penetrant check per 20-20-02 -- Bushing (275, IPL Fig. 1).
4. Check honeycomb and bonded parts for evidence of delamination, internal water, scratches, and contour defects.
 - A. Examine for delamination ultrasonically.
 - B. Examine areas suspected of containing water radiographically to determine extent of damage.
 - C. Examine edges of panel carefully for cuts and abrasions. Delamination starts very easily from damage to an edgemember of honeycomb panel.
 - D. Refer to 767 Structural Repair manual 54-51-70 for allowable damage data.
5. Refer to 767 Maintenance Manual 54-52-02 for latch check.

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CHECK

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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>
313T1106	FITTING ASSEMBLY	1-1
- -	MISC PARTS REFINISH	2-1

2. Standard Practices

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

20-30-03	General Cleaning Procedures
20-41-01	Decoding Table for Boeing Finish Codes
20-41-02	Application of Chemical and Solvent Resistant Finishes
20-43-01	Chromic Acid Anodizing
20-50-03	Bearing Installation and Retention
20-60-02	Finishing Materials
20-60-04	Miscellaneous Materials
20-70-01	Protection, Storage, and Handling of Airplane Components

3. Materials

NOTE: Equivalent substitutes may be used.

- A. Primer -- BMS 10-11, Type 1 (Ref 20-60-02)

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FITTING ASSEMBLY - REPAIR 1-1

313T1106-1, -2

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

1. Bushing Replacement (265, 270, IPL Fig. 1)

- A. Remove bushings.
- B. Install new bushings per 20-50-03.

2. Refinish

- A. Fitting (285) -- Prepare surface and passivate (F-17.09). Material: 17-4PH CRES, 180 ksi min.

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MISCELLANEOUS PART REFINISH – REPAIR 2-1

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

IPL FIG. & ITEM	MATERIAL	FINISH
<u>Fig. 1</u>		
Retainer (120,125, 130,135)	Al alloy	Chromic acid anodize per MIL-A-8625, type 1 (F-17.04) and apply one coat primer, BMS 10-11, type 1 (F-18.06).
Retainer (205)	Al alloy	Chemical treat and apply one coat primer, BMS 10-11, type 1 (F-18.06).

Refinish Details
Figure 601

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ASSEMBLY1. Materials

NOTE: Equivalent substitutes may be used.

A. Sealant, silicone -- DC-93-006 (Ref 20-60-04)

2. Assembly (IPL Fig. 1)

A. Use standard industry practices for assembly of this component, and the following additional procedures.

B. Assembly of fitting assembly (210, 215, IPL Fig. 1).

(1) Tighten nut (260) to 15-30 pound-inches.

(2) Apply Dow Corning 93-006 silicone sealant to end of bolt (245) and nut (260) approximately 0.06 thick.

C. Assembly of latch (345, IPL Fig. 1).

(1) Apply Dow Corning 93-006 silicone sealant to end of bolt (340) and nut (335) approximately 0.06 thick.

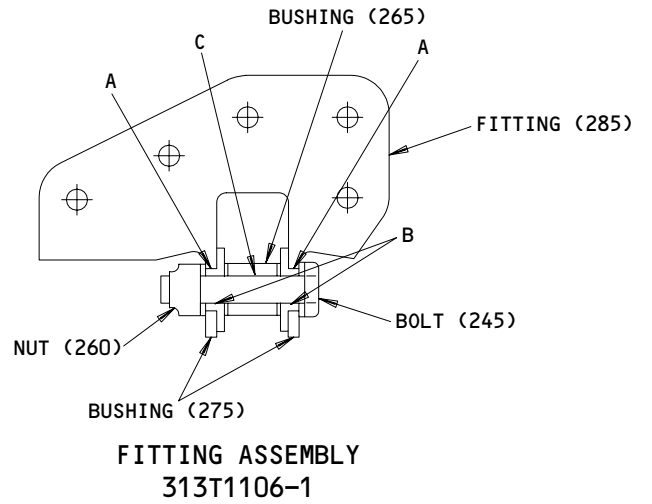
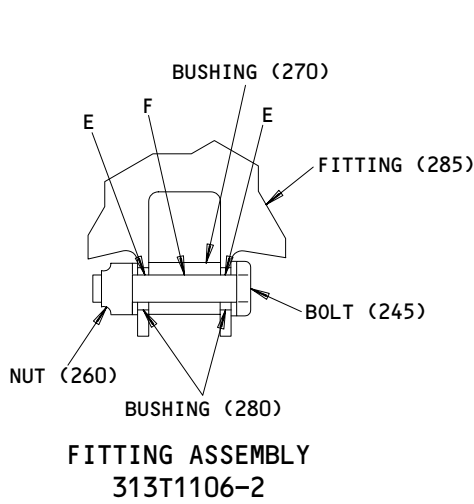
3. Storage

A. Prepare and store unit per standard industry practices (Ref 20-70-01).

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
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FITS AND CLEARANCES



Fits and Clearances
Figure 801 (Sheet 1)

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Ref Letter Fig.801	Mating Item No. IPL Fig.	Design Dimension				Service Wear Limit		
		Dimension		Assembly Clearance 		Dimension		Maximum Clearance
		Min	Max	Min	Max	Min	Max	
A	ID 285	0.4370	0.4379	-0.0016	-0.0001	0.4379	0.4380	0.0000
	OD 275	0.4380	0.4386					
B	ID 275	0.3122	0.3130	0.0002	0.0015	0.3104	0.3141	0.0026
	OD 245	0.3115	0.3120					
C	ID 265	0.3130	0.3145	0.0010	0.0030	0.3104	0.3156	0.0041
	OD 245	0.3115	0.3120					
D	ID 285	0.4370	0.4379	-0.0016	-0.0002	0.4379	0.4381	0.0000
	OD 280	0.4381	0.4386					
E	ID 280	0.3122	0.3130	0.0002	0.0015	0.3104	0.3141	0.0026
	OD 245	0.3115	0.3120					
F	ID 270	0.3130	0.3145	0.0010	0.0030	0.3104	0.3156	0.0041
	OD 245	0.3115	0.3120					
	ID							
	OD							
	ID							
	OD							
	ID							
	OD							
	ID							
	OD							

 NEGATIVE VALUES DENOTE INTERFERENCE FIT

ALL DIMENSIONS ARE IN INCHES

Fits and Clearances
 Figure 801 (Sheet 2)

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FOR TORQUE VALUES OF STANDARD FASTENERS, REFER TO 20-50-01			
ITEM NO. IPL FIG. 1	NAME	TORQUE	
		POUND-INCHES	POUND-FEET
260	NUT	15-30	

Torque Table
Figure 802

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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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VENDORS

OPTK6 SPS TECHNOLOGIES INC AEROSPACE PRODUCTS DIV
5195 W 4700 SPO BOX 18459
KEARNS, UTAH 84118

06725 AIR INDUSTRIES CORPORATION
12570 KNOTT STREET
GARDEN GROVE, CALIFORNIA 92641-3932
FORMERLY AIR INDUSTRIES OF CALIF IN GARDENA, CALIF.

08524 DEUTSCH FASTENER CORP SEE CODE V97928

15653 FAIRCHILD FASTENERS KAYNAR PRODUCTS DIV
800 S STATE COLLEGE BLVD
FULLERTON, CALIFORNIA 92831-3001
FORMERLY VK6405 MICRODOT AEROSP LTD; FORMERLY KAYNAR TECH
KAYNAR DIV

17446 HUCK MFG CO GOV CONTRACTS LOS ANGELES DIV SUB OF FED-MOGUL
900 WATSON CENTER ROAD
CARSON, CALIFORNIA 90745

5M902 FAIRCHILD IND INC FAIRCHILD AEROSPACE FASTENER DIV
3016 W LOMITA BLVD
TORRANCE, CALIFORNIA 90505-5103
FMLY IN REDONDO BEACH, CALIF

52828 REPUBLIC FASTENER MFG CORP
1300 RANCHO CONEJO BLVD
NEWBURY PARK, CALIFORNIA 91320-1405
FORMERLY IN SYLMAR, CALIFORNIA

56878 SPS TECHNOLOGIES INC AEROSPACE AND INDUSTRIAL PRODUCTS DIV
HIGHLAND AVENUE
JENKINTOWN, PENNSYLVANIA 19046
FORMERLY STANDARD PRESSED STEEL

60516 WEST COAST AEROSPACE INC
812 MIRAFLORES STREET
SAN PEDRO, CALIFORNIA 90731-1439

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

72962 HARVARD INDUSTRIES INC
3 WERNER WAY SUITE 210
LEBANON, NEW JERSEY 08833
FORMERLY AMERACE CORP ESNA DIV
FORMERLY ELASTIC STOP NUT IN UNION, NJ

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VENDORS

73197 HI-SHEAR TECHNOLOGY CORP
 2600 SKYPARK DRIVE
 TORRANCE, CALIFORNIA 90509

73439 AMSCO PRODUCTS CAMCAR DIV TEXTRON INC
 345 EAST MARSHALL STREET
 WYTHEVILLE, VIRGINIA 24382-3917
 FORMERLY AMERICAN SCREW CO IN WILLIMANTIC, CONNECTICUT
 FORMERLY TEXTRON INC CAMCAR DIV AMERICAN SCREW CO

78189 ILLINOIS TOOL WORKS INC SHAKEPROOF DIVN
 ST CHARLES ROAD
 ELGIN, ILLINOIS 60120
 FORMERLY SHAKEPROOF DIVN OF ILLINOIS TOOL WORKS B0025
 FORMERLY SHAKEPROOF LOCK WASHER CO V77900

80539 SPS TECHNOLOGIES INC AEROSPACE PRODUCTS DIV
 2701 SOUTH HARBOR BOULEVARD PO BOX 1259
 SANTA ANA, CALIFORNIA 92702-1259
 FORMERLY NUTT-SHEL DIV OF SPC WESTERN CO V80539
 AND STANDARD PRESSED STEEL WESTERN DIV V17279

83014 HARTWELL CORPORATION
 900 SOUTH RICHFIELD ROAD
 PLACENTIA, CALIFORNIA 92670-6732
 FORMERLY V0532B IN LOS ANGELES, CALIFORNIA

84256 AVIBANK MANUFACTURING COMPANY
 210 SOUTH VICTORY BLVD PO BOX 391
 BURBANK, CALIFORNIA 91503
 FORMERLY AVDEL INC AND ROWE SALES CO VB0001
 FORMERLY PRICE, D.W. CORP LOS ANGELES, CALIFORNIA V97978

92215 FAIRCHILD IND INC FAIRCHILD AEROSPACE FASTENER DIV
 3010 W LOMITA BLVD
 TORRANCE, CALIFORNIA 90505-5102
 FORMERLY VOI-SHAN IN CULVER CITY, CALIF

99862 CARR LANE MANUFACTURING COMPANY
 4200 CARR LANE CT
 ST. LOUIS, MISSOURI 63119-2129

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 ILLUSTRATED PARTS LIST
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PART NUMBER	AIRLINE PART NO.	FIG.	ITEM	TTL REQ
AN960C516L		1	250	2
AN960PD10		1	175	2
AN960PD10L		1	170	11
AN960PD716		1	295	2
BACB28U5B014		1	280	2
BACB28Z5G061		1	265	1
BACB28Z5G070		1	270	1
BACB30MY6K4		1	220	10
BACB30MY6K5		1	225	8
BACB30NM4DK21		1	335	2
BACB30NN3K3		1	160	11
BACB30NN3K4		1	165	2
BACB30NW5K6		1	310A	8
BACB30NW6K3		1	385	6
BACB30NW6K4		1	390	2
BACB30NW6K5		1	395	2
BACB30NY5K2		1	105	13
BACB30NY6K3		1	90	160
BACB30NY6K4		1	100	115
BACB30NY6K5		1	95	2
BACC13Y3B120		1	360	2
BACC30AG6		1	237	8
BACC30M5		1	115	13
		1	315	8
BACC30M6		1	110	286
		1	235	10
		1	400	10
BACF3T04G31-9		1	230	2
BACN10JC3		1	185	13
BACN10JD104		1	340	2
BACN10JD5ASU		1	260	2
BACR15BA6AD2		1	155	15
BACS12N8-8		1	370	2
BACW10BP5ACU		1	255	2
BACW10UC10P		1	157	15
BRH10A3		1	185	13
B30NW5K6		1	310A	8
B30NW6K3		1	385	6
B30NW6K4		1	390	2
B30NW6K5		1	395	2
CA3105-832-8		1	370	2
CL100-3B120		1	360	2
HL10VAZ6-4		1	220	10
HL10VAZ6-5		1	225	8
HL11VAZ5-6		1	310A	8
HL11VAZ6-3		1	385	6
HL11VAZ6-4		1	390	2

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PART NUMBER	AIRLINE PART NO.	FIG.	ITEM	TTL REQ
HL11VAZ6-5		1	395	2
HL11V6-4		1	390	2
HL11V6-5		1	395	2
HL13VAZ5-2		1	105	13
HL13VAZ6-3		1	90	160
HL13VAZ6-4		1	100	115
HL13VAZ6-5		1	95	2
HL13V2		1	105	13
HL13V3		1	90	160
HL13V4		1	100	115
HL13V5		1	95	2
HL70-5		1	115	13
		1	315	8
HL79-5		1	115	13
		1	315	8
HL79-6		1	110	286
		1	235	10
		1	400	10
HL82-6APBW		1	237	8
H10-3BAC		1	185	13
H2388-3		1	345	2
L801-5K2		1	105	13
L801-6K3		1	90	160
L801-6K4		1	100	115
L801-6K5		1	95	2
L803-5K6		1	310A	8
L803-6-4		1	390	2
L803-6-5		1	395	2
L803-6K3		1	385	6
MS24665-134		1	330	2
MS24665-153		1	240	2
MS29523-1		1	365	2
MS51844-82		1	355	2
NAS1805-7		1	305	2
NAS43DD3-5		1	180	2
NAS6704D21		1	335A	2
NAS6705DE18		1	245	2
NS202101-02		1	185	13
RMLH9075-3W		1	185	13
T6S1032J		1	185	13
VN303A02		1	185	13
10-60401-7		1	345	2
302T0200-37		1	275	2
313T1100-105		1	415	1
313T1100-106		1	420	1

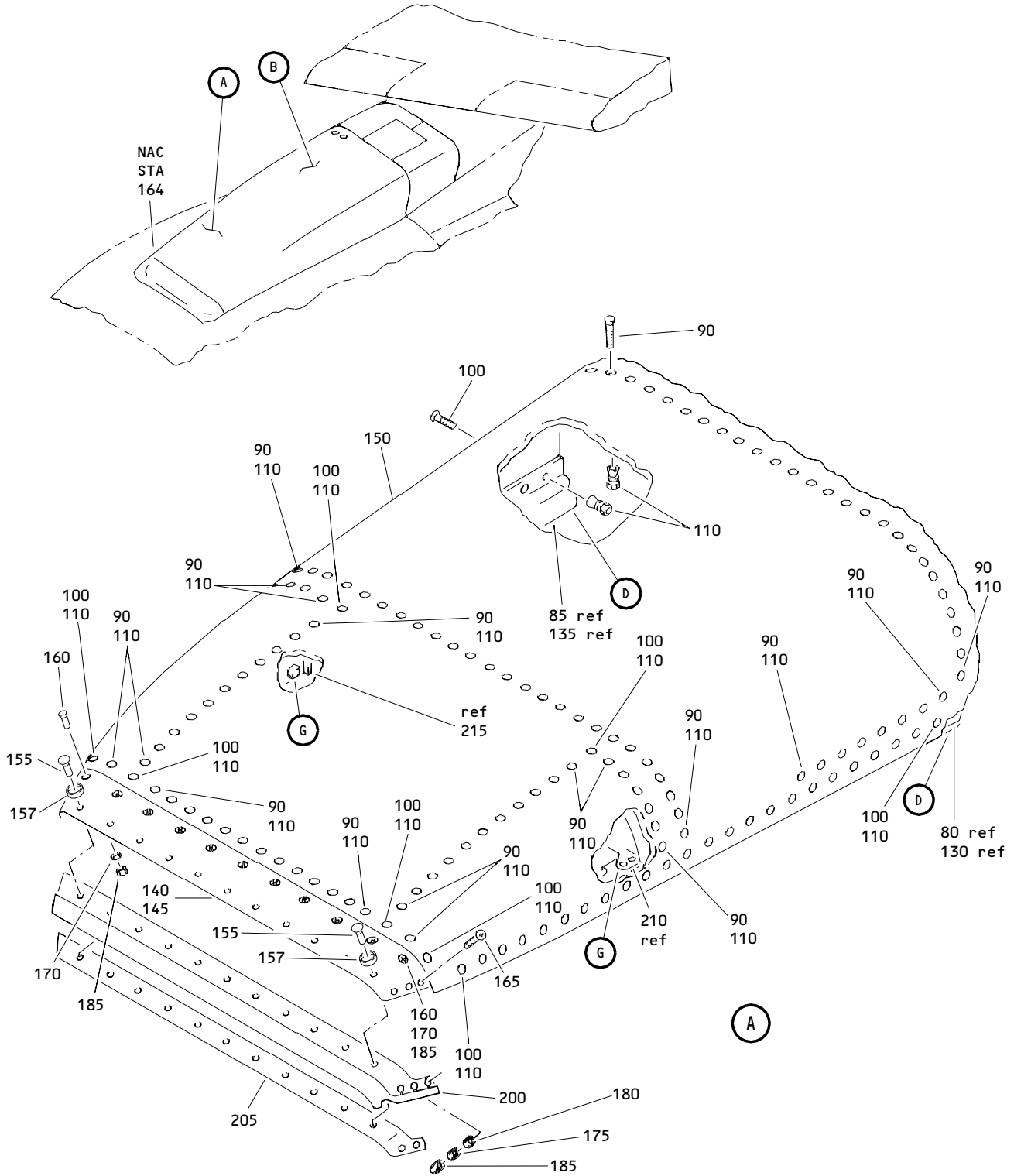
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PART NUMBER	AIRLINE PART NO.	FIG.	ITEM	TTL REQ
313T1100-107		1	65D	RF
313T1100-11		1	205	1
313T1100-2		1	65	RF
313T1100-25		1	130	1
313T1100-26		1	135	1
313T1100-27		1	80	1
313T1100-28		1	85	1
313T1100-37		1	120	1
313T1100-38		1	125	1
313T1100-39		1	70	1
313T1100-40		1	75	1
313T1100-57		1	325	2
313T1100-75		1	65A	RF
313T1100-76		1	65B	RF
313T1100-96		1	65C	RF
313T1100-97		1	405	1
313T1100-98		1	410	1
313T1101-1		1	145	1
313T1101-19		1	150	1
313T1101-23		1	140	1
313T1102-1		1	190	1
313T1102-2		1	195	1
		1	200A	1
313T1102-3		1	200	1
313T1106-1		1	210	1
313T1106-2		1	215	1
313T1106-3		1	285	2
313T1108-1		1	350	2
313T1108-2		1	375	2
313T1108-3		1	380	2
313T3115-1		1	320	2
313T3116-1		1	300	2
66014-5		1	115	13
		1	315	8
66014-6		1	110	286
		1	235	10
		1	400	10
69B91056-600		1	290	2
9495-17		1	345A	2
96-02		1	185	13

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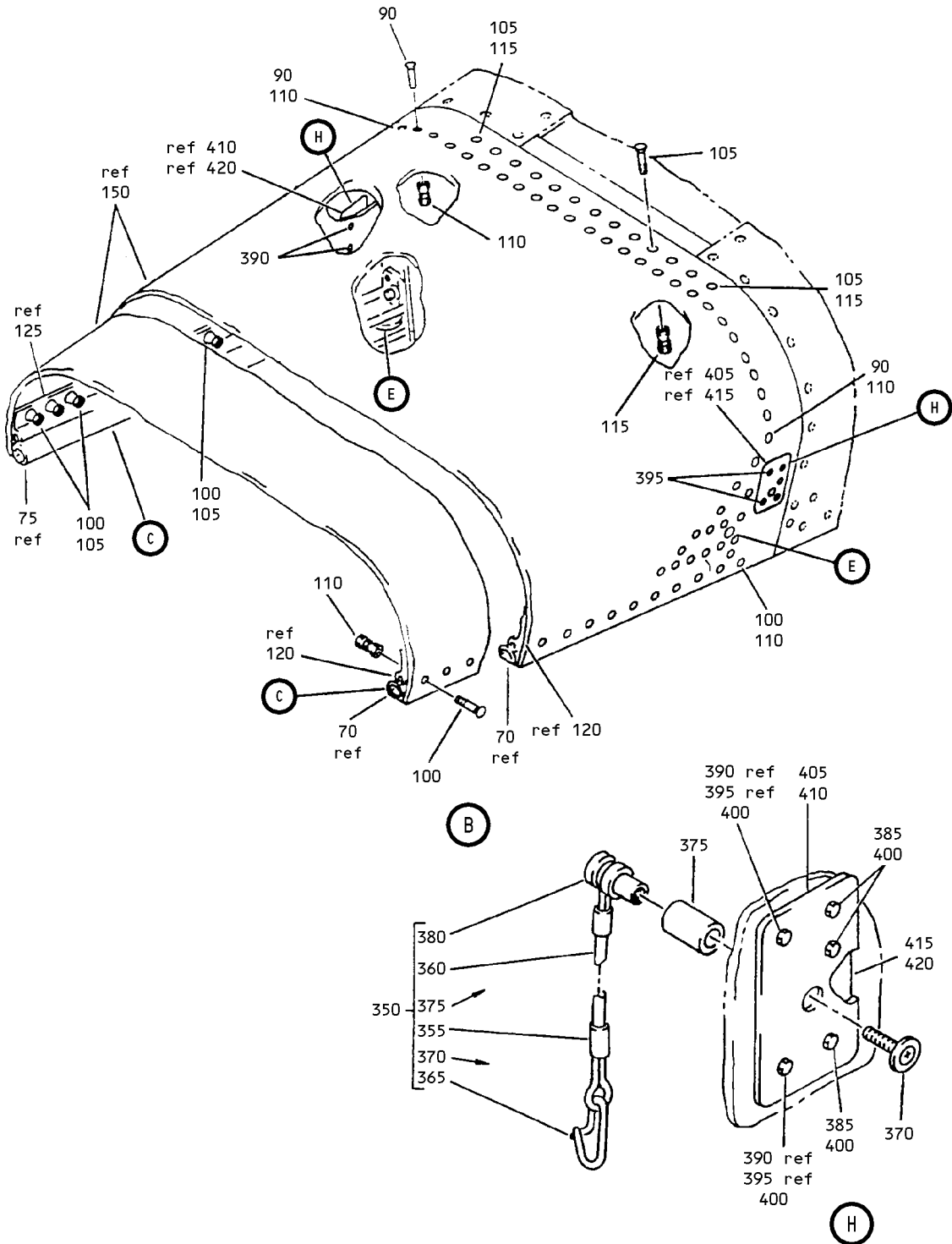


Forward Fairing Assembly
 Figure 1 (Sheet 1)

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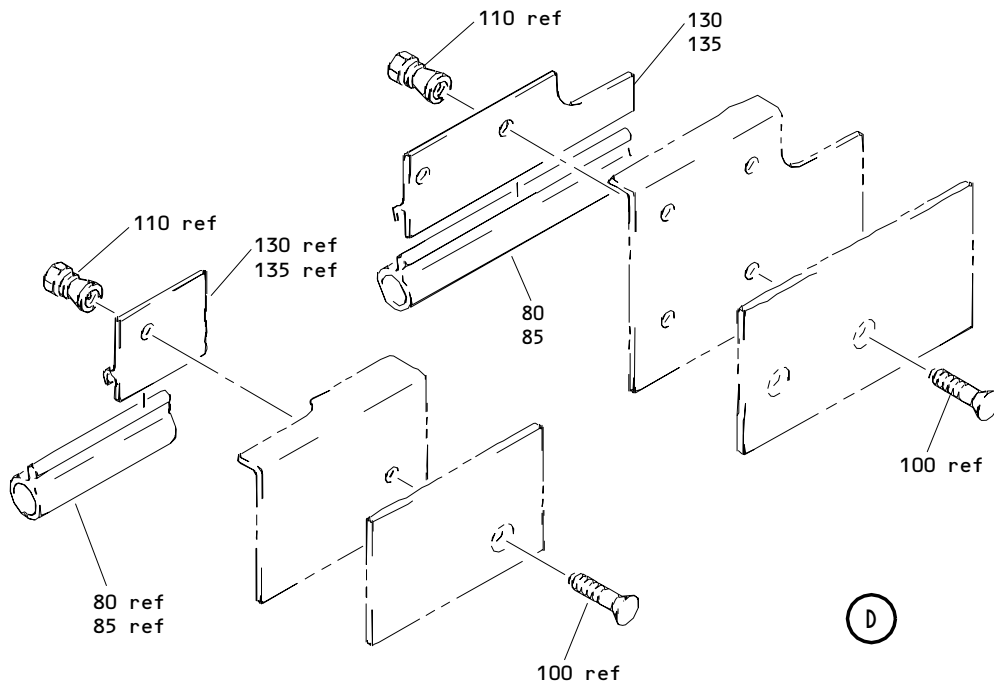
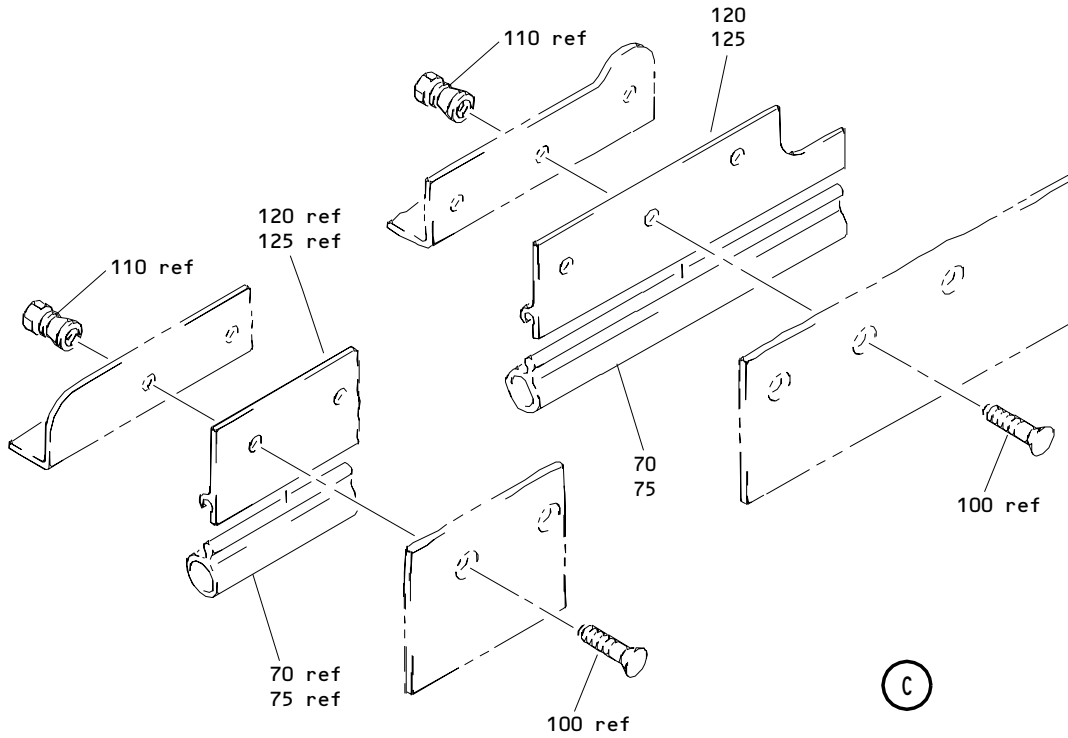
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Forward Fairing Assembly
 Figure 1 (Sheet 2)

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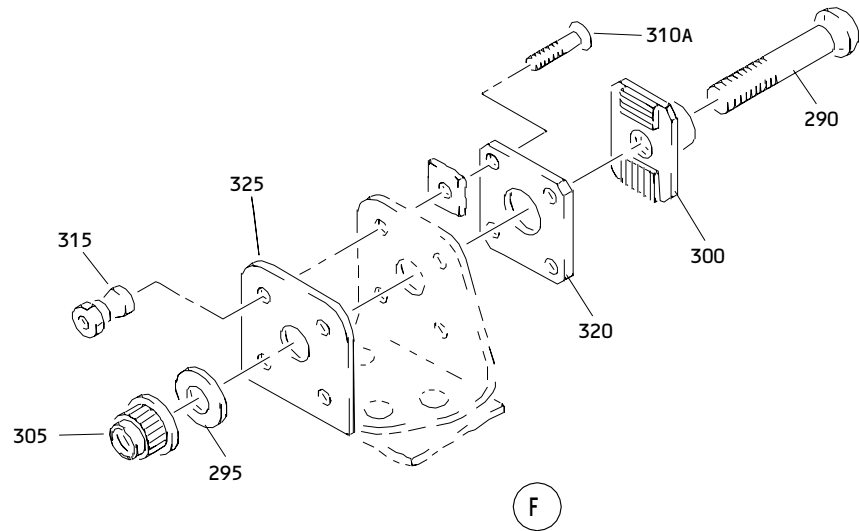
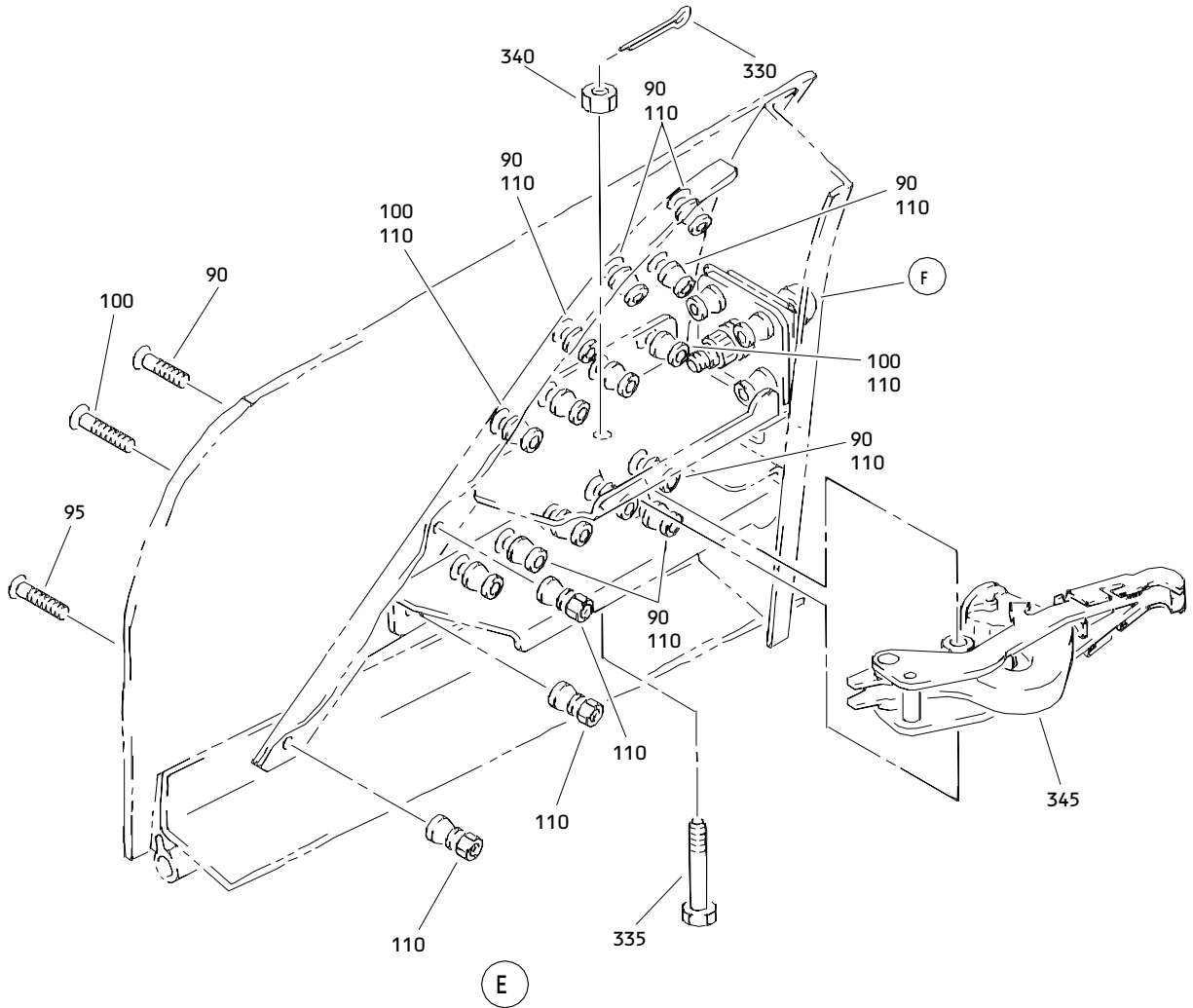


Forward Fairing Assembly
 Figure 1 (Sheet 3)

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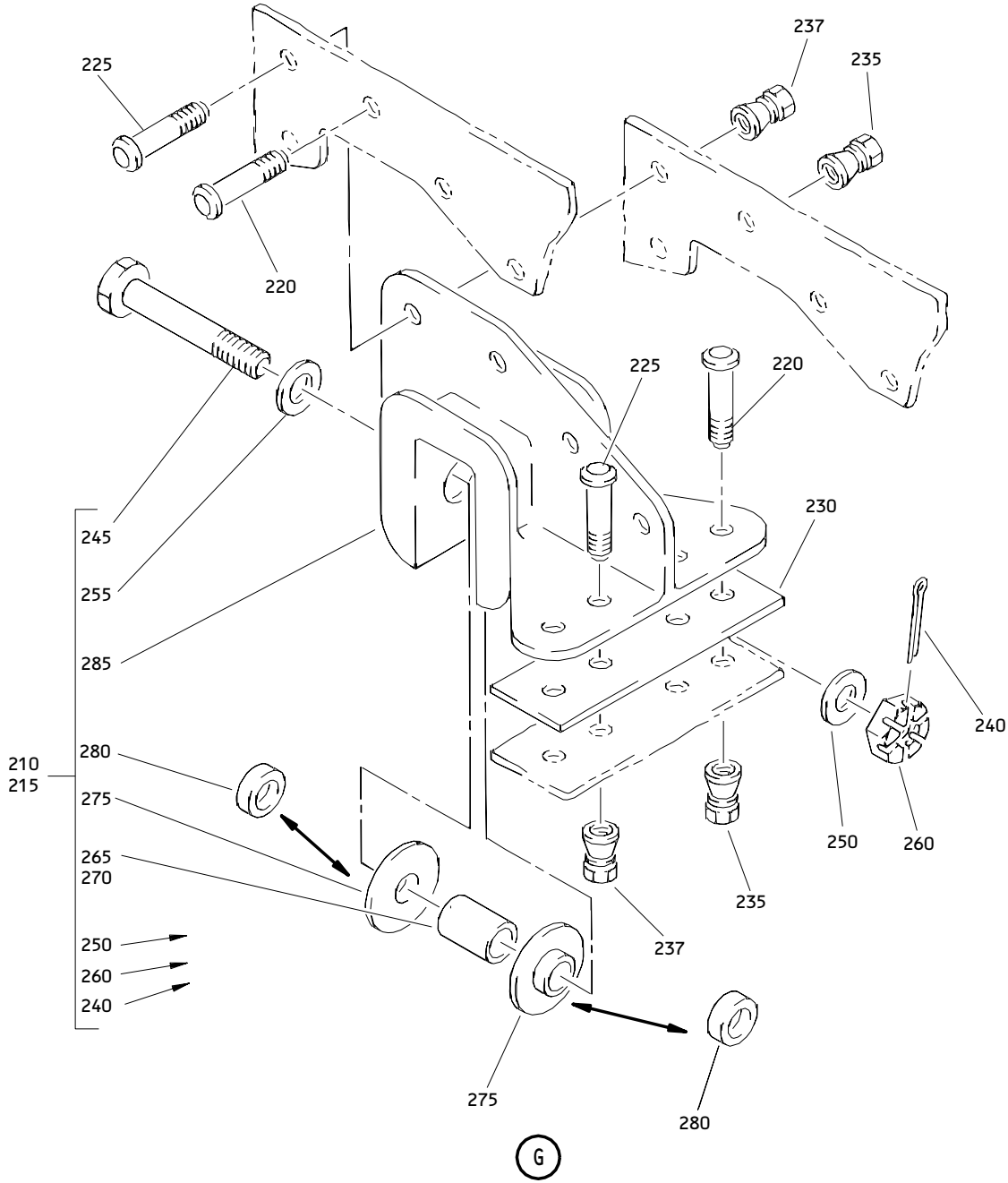
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Forward Fairing Assembly
Figure 1 (Sheet 4)

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Forward Fairing Assembly
 Figure 1 (Sheet 5)

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FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
01-					
-1	313T1100-1SP		DELETED		
5	313T1100-3		DELETED		
10	313T1100-4		DELETED		
			ATTACHING PARTS		
15	BACB30NN3K5		DELETED		
20	NAS463FDD10		DELETED		
25	NAS463XDD10		DELETED		
30	BACR15BA3AD		DELETED		
35	NS103191-02-3		DELETED		
40	F1968-3BAC		DELETED		
45	NS103191-02-2		DELETED		
50	NS103193-02		DELETED		
55	F29345-3BAC		DELETED		
60	F171-3		DELETED		
-65	313T1100-2		FAIRING ASSY-FWD	A	RF
R -65A	313T1100-75		FAIRING ASSY-FWD	B	RF
R -65B	313T1100-76		FAIRING ASSY-FWD	C	RF
R -65C	313T1100-96		FAIRING ASSY-FWD	D	RF
R -65D	313T1100-107		FAIRING ASSY-FWD	E	RF
70	313T1100-39		.SEAL-AFT		1
75	313T1100-40		.SEAL-AFT		1
80	313T1100-27		.SEAL-FWD		1
85	313T1100-28		.SEAL-FWD		1
R 90	HL13VAZ6-3		.BOLT-	A-C	160
			(V56878)		
			(SPEC BACB30NY6K3)		
			(OPT HL13VAZ6-3		
			(V73197))		
			(OPT HL13VAZ6-3		
			(V92215))		
			(OPT HL13VAZ6-3		
			(V97928))		
			(OPT L801-6K3		
			(V06725))		
			(OPT HL13VAZ6-3		
			(V08524))		
			(OPT HL13V3		
			(V06725))		
			(OPT HL13VAZ6-3		
			(V17446))		

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FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
01-95	HL13VAZ6-5		.BOLT- (V56878) (SPEC BACB30NY6K5) (OPT HL13VAZ6-5 (V73197)) (OPT HL13VAZ6-5 (V92215)) (OPT HL13VAZ6-5 (V97928)) (OPT L801-6K5 (V06725)) (OPT HL13VAZ6-5 (V08524)) (OPT HL13V5 (V06725)) (OPT HL13VAZ6-5 (V17446))		2
100	HL13VAZ6-4		.BOLT- (V56878) (SPEC BACB30NY6K4) (OPT HL13VAZ6-4 (V73197)) (OPT HL13VAZ6-4 (V92215)) (OPT HL13VAZ6-4 (V97928)) (OPT L801-6K4 (V06725)) (OPT HL13VAZ6-4 (V08524)) (OPT HL13V4 (V06725)) (OPT HL13VAZ6-4 (V17446))		115

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FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
01-105	HL13VAZ5-2		.BOLT- (V56878) (SPEC BACB30NY5K2) (OPT HL13VAZ5-2 (V73197)) (OPT HL13VAZ5-2 (V92215)) (OPT HL13VAZ5-2 (V97928)) (OPT L801-5K2 (V06725)) (OPT HL13VAZ5-2 (V08524)) (OPT HL13V2 (V06725)) (OPT HL13VAZ5-2 (V17446))		13
110	HL79-6		.COLLAR- (V56878) (SPEC BACC30M6) (OPT HL79-6 (V73197)) (OPT HL79-6 (V92215)) (OPT 66014-6 (V56878)) (OPT HL79-6 (V5M902))		286
115	HL70-5		.COLLAR- (V56878) (SPEC BACC30M5) (OPT HL70-5 (V73197)) (OPT HL70-5 (V92215)) (OPT 66014-5 (V56878)) (OPT HL79-5 (V5M902))		13

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FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
01-					
120	313T1100-37		.RETAINER-AFT		1
125	313T1100-38		.RETAINER-AFT		1
130	313T1100-25		.RETAINER-FWD		1
135	313T1100-26		.RETAINER-FWD		1
140	313T1101-23		.PANEL ASSY- (ITEM 145 TOGETHER WITH ITEM 150 IS OPTIONAL TO ITEM 140)		1
145	313T1101-1		.PANEL ASSY- (ITEM 145 TOGETHER WITH ITEM 150 IS OPTIONAL TO ITEM 140)		1
150	313T1101-19		.PANEL ASSY- (ITEM 145 TOGETHER WITH ITEM 150 IS OPTIONAL TO ITEM 140)		1
R 155	BACR15BA6AD2		.RIVET		15
157	BACW10UC10P		.WASHER	C,D	15
160	BACB30NN3K3		.BOLT		11
165	BACB30NN3K4		.BOLT		2
170	AN960PD10L		.WASHER		11
175	AN960PD10		.WASHER		2
180	NAS43DD3-5		.SPACER		2
185	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)) -----*		13

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FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
01- -190	313T1102-1		.SEAL- (LIMITED)	A,B	1
-195	313T1102-2		.SEAL- (LIMITED)	A,B	1
200	313T1102-3		.SEAL- (LIMITED)	A,B	1
R -200A	313T1102-2		.SEAL- (OPT ITEMS 200B, 200C, 200D)	C,D,E	1
R -200B	313T1102-3		.SEAL- (OPT ITEMS 200A, 200C, 200D)	C,D,E	1
R -200C	313T1102-4		.SEAL-NOSE (OPT ITEMS 200A, 200B, 200D)	C,D,E	1
R -200D	313T1102-5		.SEAL-NOSE (OPT ITEMS 200A, 200B, 200C)	C,D	1
205	313T1100-11		.RETAINER	A,B	1
210	313T1106-1		.FITTING ASSY		1
215	313T1106-2		.FITTING ASSY		1
220	HL10VAZ6-4		ATTACHING PARTS .BOLT- (V60516) (SPEC BACB30MY6K4)		10
225	HL10VAZ6-5		.BOLT- (V60516) (SPEC BACB30MY6K5)		8
R 230	BACF3T04G31-9		.FILLER		2
R 235	HL79-6		.COLLAR- (V56878) (SPEC BACC30M6) (OPT HL79-6 (V73197)) (OPT HL79-6 (V92215)) (OPT 66014-6 (V56878)) (OPT HL79-6 (V5M902))		10

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FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
R 01- 237	HL82-6APBW		. COLLAR- (V73197) (SPEC BACC30AG6) (OPT HL82-6APBW (V92215)) (OPT HL82-6APBW (V56878)) (OPT HL82-6APBW (V5M902)) -----*-----		8
240	MS24665-153		.. PIN-COTTER		1
245	NAS6705DE18		.. BOLT		1
250	AN960C516L		.. WASHER		1
255	BACW10BP5ACU		.. WASHER		1
260	BACN10JD5ASU		.. NUT		1
265	BACB28Z5G061		.. BUSHING- (USED ON ITEM 210)		1
270	BACB28Z5G070		.. BUSHING- (USED ON ITEM 215)		1
275	302T0200-37		.. BUSHING-FLANGED (USED ON ITEM 210)		2
280	BACB28U5B014		.. BUSHING- (USED ON ITEM 215)		2
285	313T1106-3		.. FITTING		1
290	69B91056-600		. BOLT-INDEX		2
295	AN960PD716		. WASHER		2
300	313T3116-1		. NUT-SERRATED		2
305	NAS1805-7		. NUT		2
310	HL11VAZ5-8		DELETED		

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FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
01-310A	HL11VAZ5-6		.BOLT- (V56878) (SPEC BACB30NW5K6) (OPT B30NW5K6 (V97928)) (OPT HL11VAZ5-6 (V73197)) (OPT HL11VAZ5-6 (V92215)) (OPT HL11VAZ5-6 (V97928)) (OPT L803-5K6 (V06725)) (OPT HL11VAZ5-6 (V0PTK6)) (OPT HL11VAZ5-6 (V60516))		8
315	HL70-5		.COLLAR- (V56878) (SPEC BACC30M5) (OPT HL70-5 (V73197)) (OPT HL70-5 (V92215)) (OPT 66014-5 (V56878)) (OPT HL79-5 (V5M902))		8
320	313T3115-1		.PLATE-SERRATED		2
325	313T1100-57		.DOUBLER-BOLT		2
330	MS24665-134		.PIN-COTTER		2
335	BACB30NM4DK21		.BOLT- (OPT ITEM 335A)		2
-335A	NAS6704D21		.BOLT- (OPT ITEM 335)		2
340	BACN10JD104		.NUT		2
345	H2388-3		.LATCH- (V83014) (SPEC 10-60401-7) (OPT 9495-17 (V84256))		2

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FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
R 01-345A	9495-17		.LATCH- (V84256) (SPEC 10-60401-7) (OPT H2388-3 (V83014))		2
R 350	313T1108-1		.PLUG ASSY	D	2
R 355	MS51844-82		..SLEEVE	D	1
R 360	CL100-3B120		..CABLE ASSY- (V99862) (SPEC BACC13Y3B120)	D	1
R 365	MS29523-1		..HOOK	D	1
R 370	CA3105-832-8		..SCREW- (V73439) (SPEC BACS12N8-8) (OPT CA3105-832-8 (V78189))	D	1
R 375	313T1108-2		..SEALER	D	1
R 380	313T1108-3		..NUT	D	1
R 385	HL11VAZ6-3		.BOLT- (V56878) (SPEC BACB30NW6K3) (OPT B30NW6K3 (V97928)) (OPT HL11VAZ6-3 (V73197)) (OPT HL11VAZ6-3 (V92215)) (OPT HL11VAZ6-3 (V97928)) (OPT L803-6K3 (V06725)) (OPT HL11VAZ6-3 (VOPTK6)) (OPT HL11VAZ6-3 (V60516))	D	6

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FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
R 01-390	HL11VAZ6-4		.BOLT- (V56878) (SPEC BACB30NW6K4) (OPT HL11V6-4 (V92215)) (OPT HL11V6-4 (V97928)) (OPT L803-6-4 (V06725)) (OPT B30NW6K4 (V97928)) (OPT HL11VAZ6-4 (V73197)) (OPT HL11VAZ6-4 (V92215)) (OPT HL11VAZ6-4 (V97928))	D	2
R 395	HL11VAZ6-5		.BOLT- (V56878) (SPEC BACB30NW6K5) (OPT HL11V6-5 (V92215)) (OPT HL11V6-5 (V97928)) (OPT L803-6-5 (V06725)) (OPT B30NW6K5 (V97928)) (OPT HL11VAZ6-5 (V73197)) (OPT HL11VAZ6-5 (V92215)) (OPT HL11VAZ6-5 (V97928))	D	2

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FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
R 01-400	HL79-6		.COLLAR- (V56878) (SPEC BACC30M6) (OPT HL79-6 (V73197)) (OPT HL79-6 (V92215)) (OPT 66014-6 (V56878)) (OPT HL79-6 (V5M902))	D	10
R 405	313T1100-97		.DOUBLER	D	1
R 410	313T1100-98		.DOUBLER	D	1
R 415	313T1100-105		.DOUBLER	D	1
R 420	313T1100-106		.DOUBLER	D	1

- Item Not Illustrated

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