



FAN COWL ASSEMBLY
END ITEM (PARTS COLLECTOR) (PW)

PART NUMBERS 314T4085-1SP,-2SP,-7SP THRU -18SP

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.

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TEMPORARY REVISION AND SERVICE BULLETIN RECORD

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

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TR & SB RECORD

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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.

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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FAN COWL ASSEMBLY END ITEM

DESCRIPTION AND OPERATION

1. Description

- A. This CMM is a parts collector for the 314T4085-XX Pratt and Whitney Fan Cowl Assembly End Item.
- B. There are no repairs in this CMM, see the Illustrated Parts List for the correct CMM for the repairs.
- C. The Fan Cowl Assembly is a protective and aerodynamic covering that encloses the engine area aft of the inlet cowl and forward of the thrust reverser cowl.
 - (1) The Fan Cowl Assembly consists of a latch assembly, bonded panel assembly, hold open rod assemblies and pressure relief door assembly.
 - (2) Fan Cowl Assembly repairs can be found in CMM 71-11-53.

2. Operation

- A. The Fan Cowl Assembly is normally in the stowed position during aircraft operation but can be opened during aircraft maintenance by releasing the latches and securing it with the hold open rods.

3. Leading Particulars

Width -- 34 inches
Weight -- 100 pounds
Diameter -- 106 inches

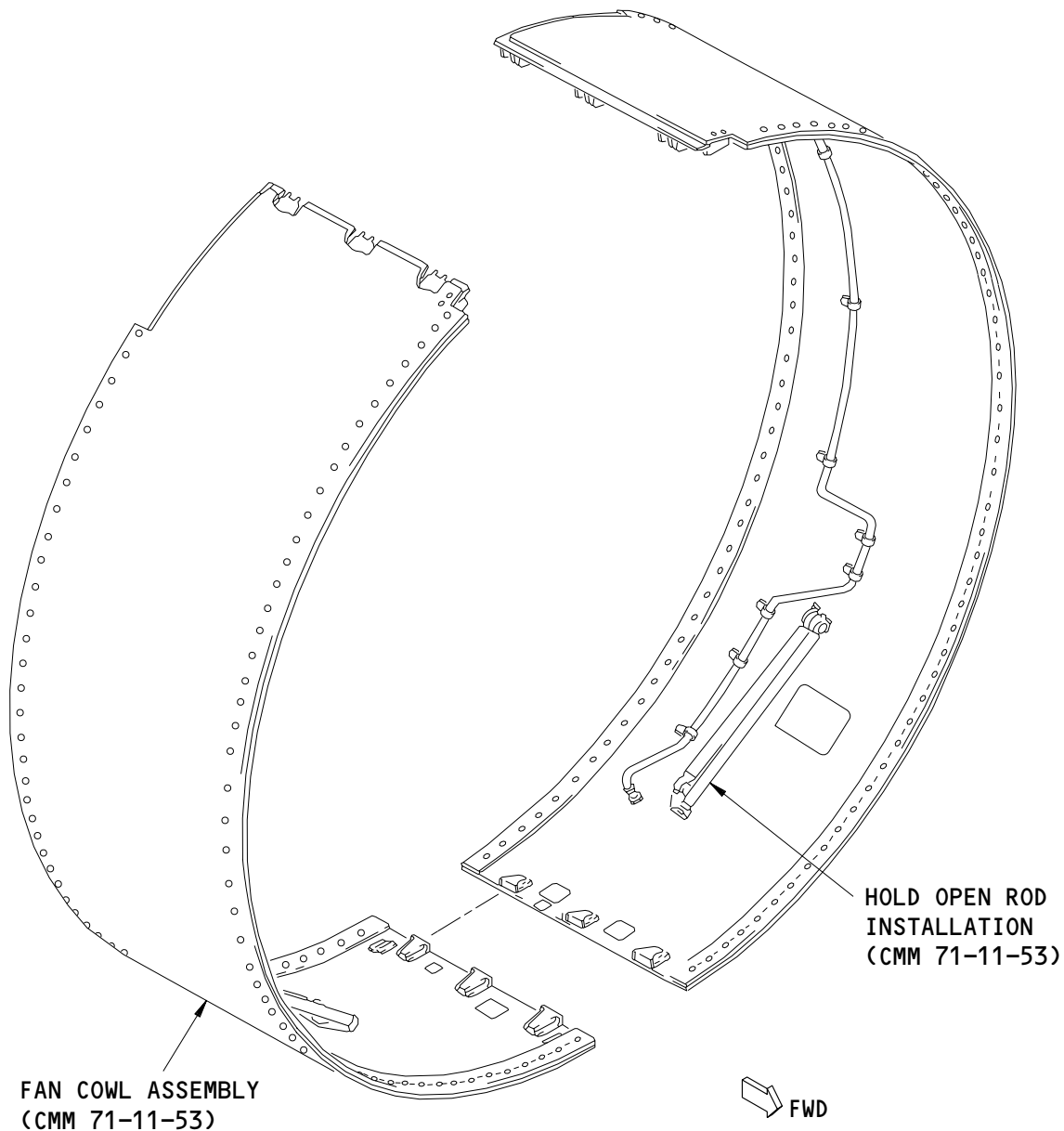
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Fan Cowl Assembly End Item Collector
Figure 1

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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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PART NUMBER	AIRLINE PART NO.	FIG.	ITEM	TTL REQ
314T3114-41		1	10	1
314T3114-42		1	15	1
314T3114-61		1	10A	1
314T3114-62		1	15A	1
314T3114-63		1	10B	1
314T3114-64		1	15B	1
314T3114-65		1	10C	1
314T3114-66		1	15C	1
314T3114-67		1	10D	1
314T3114-68		1	15D	1
314T3115-15		1	20	1
314T3115-17		1	20A	1
314T3115-19		1	20B	1
314T3115-21		1	20C	1
314T3115-23		1	20D	1
314T4085-1SP		1	1A	RF
314T4085-10SP		1	5B	RF
314T4085-11SP		1	1D	RF
314T4085-12SP		1	5C	RF
314T4085-13SP		1	1E	RF
314T4085-14SP		1	5D	RF
314T4085-15SP		1	1F	RF
314T4085-16SP		1	5E	RF
314T4085-17SP		1	1G	RF
314T4085-18SP		1	5F	RF
314T4085-2SP		1	5	RF
314T4085-7SP		1	1B	RF
314T4085-8SP		1	5A	RF
314T4085-9SP		1	1C	RF
314T4110-23		1	25	1
314T4110-24		1	30	1
314T4110-33		1	25A	1
314T4110-34		1	30A	1
314T4110-35		1	25B	1
314T4110-36		1	30B	1
314T4110-37		1	25E	1
314T4110-38		1	30E	1
314T4110-39		1	25F	1
314T4110-40		1	30F	1
314T4110-45		1	25C	1

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PART NUMBER	AIRLINE PART NO.	FIG.	ITEM	TTL REQ
314T4110-46		1	30C	1
314T4110-47		1	25D	1
314T4110-48		1	30D	1
314T4125-15		1	35	1
314T4125-16		1	40	1
314T4125-17		1	35C	1
314T4125-18		1	40C	1
314T4125-19		1	35D	1
314T4125-20		1	40D	1
314T4125-25		1	35A	1
314T4125-26		1	40A	1
314T4125-27		1	35B	1
314T4125-28		1	40B	1

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FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
01-			FAN COWL ASSY, END ITEM COLLECTOR		
-1A	314T4085-1SP		COWL ASSY-FAN	A	RF
-1B	314T4085-7SP		COWL ASSY-FAN	B	RF
-1C	314T4085-9SP		COWL ASSY-FAN	C	RF
-1D	314T4085-11SP		COWL ASSY-FAN	D	RF
-1E	314T4085-13SP		COWL ASSY-FAN	E	RF
-1F	314T4085-15SP		COWL ASSY-FAN	F	RF
-1G	314T4085-17SP		COWL ASSY-FAN	G	RF
-5	314T4085-2SP		COWL ASSY-FAN	H	RF
-5A	314T4085-8SP		COWL ASSY-FAN	J	RF
-5B	314T4085-10SP		COWL ASSY-FAN	K	RF
-5C	314T4085-12SP		COWL ASSY-FAN	L	RF
-5D	314T4085-14SP		COWL ASSY-FAN	M	RF
-5E	314T4085-16SP		COWL ASSY-FAN	N	RF
-5F	314T4085-18SP		COWL ASSY-FAN	P	RF
-10	314T3114-41		.ROD INSTL-HOLD OPEN (FOR BREAKDOWN SEE CMM 71-11-53)	A	1
-10A	314T3114-61		.ROD INSTL-HOLD OPEN (FOR BREAKDOWN SEE CMM 71-11-53)	B,D	1
-10B	314T3114-63		.ROD INSTL-HOLD OPEN (FOR BREAKDOWN SEE CMM 71-11-53)	C,E	1
-10C	314T3114-65		.ROD INSTL-HOLD OPEN (FOR BREAKDOWN SEE CMM 71-11-53)	F	1
-10D	314T3114-67		.ROD INSTL-HOLD OPEN (FOR BREAKDOWN SEE CMM 71-11-53)	G	1

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FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
01- -15	314T3114-42		.ROD INSTL-HOLD OPEN (FOR BREAKDOWN SEE CMM 71-11-53)	H	1
-15A	314T3114-62		.ROD INSTL-HOLD OPEN (FOR BREAKDOWN SEE CMM 71-11-53)	J,L	1
-15B	314T3114-64		.ROD INSTL-HOLD OPEN (FOR BREAKDOWN SEE CMM 71-11-53)	K,M	1
-15C	314T3114-66		.ROD INSTL-HOLD OPEN (FOR BREAKDOWN SEE CMM 71-11-53)	N	1
-15D	314T3114-68		.ROD INSTL-HOLD OPEN (FOR BREAKDOWN SEE CMM 71-11-53)	P	1
-20	314T3115-15		.DOOR INSTL-PRESSURE RELIEF (FOR BREAKDOWN SEE CMM 71-11-53)	A	1
-20A	314T3115-17		.DOOR INSTL-PRESSURE RELIEF (FOR BREAKDOWN SEE CMM 71-11-53)	B,D	1
-20B	314T3115-19		.DOOR INSTL-PRESSURE RELIEF (FOR BREAKDOWN SEE CMM 71-11-53)	C,E	1
-20C	314T3115-21		.DOOR INSTL-PRESSURE RELIEF (FOR BREAKDOWN SEE CMM 71-11-53)	F	1
-20D	314T3115-23		.DOOR INSTL-PRESSURE RELIEF (FOR BREAKDOWN SEE CMM 71-11-53)	G	1

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FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
01- -25	314T4110-23		.COWL ASSY- (REF CMM 71-11-53)	A	1
-25A	314T4110-33		.COWL ASSY- (REF CMM 71-11-53)	B	1
-25B	314T4110-35		.COWL ASSY- (REF CMM 71-11-53)	C	1
-25C	314T4110-45		.COWL ASSY- (REF CMM 71-11-53)	D	1
-25D	314T4110-47		.COWL ASSY- (REF CMM 71-11-53)	E	1
-25E	314T4110-37		.COWL ASSY- (REF CMM 71-11-53)	F	1
-25F	314T4110-39		.COWL ASSY- (REF CMM 71-11-53)	G	1
-30	314T4110-24		.COWL ASSY- (REF CMM 71-11-53)	H	1
-30A	314T4110-34		.COWL ASSY- (REF CMM 71-11-53)	J	1
-30B	314T4110-36		.COWL ASSY- (REF CMM 71-11-53)	K	1
-30C	314T4110-46		.COWL ASSY- (REF CMM 71-11-53)	L	1
-30D	314T4110-48		.COWL ASSY- (REF CMM 71-11-53)	M	1
-30E	314T4110-38		.COWL ASSY- (REF CMM 71-11-53)	N	1
-30F	314T4110-40		.COWL ASSY- (REF CMM 71-11-53)	P	1
-35	314T4125-15		.PORT INSTL-STATIC (FOR BREAKDOWN SEE CMM 71-11-53)	A	1

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FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
01- -35A	314T4125-25		.PORT INSTL-STATIC (FOR BREAKDOWN SEE CMM 71-11-53)	B,D	1
-35B	314T4125-27		.PORT INSTL-STATIC (FOR BREAKDOWN SEE CMM 71-11-53)	C,E	1
-35C	314T4125-17		.PORT INSTL-STATIC (FOR BREAKDOWN SEE CMM 71-11-53)	F	1
-35D	314T4125-19		.PORT INSTL-STATIC (FOR BREAKDOWN SEE CMM 71-11-53)	G	1
-40	314T4125-16		.PORT INSTL-STATIC (FOR BREAKDOWN SEE CMM 71-11-53)	H	1
-40A	314T4125-26		.PORT INSTL-STATIC (FOR BREAKDOWN SEE CMM 71-11-53)	J,L	1
-40B	314T4125-28		.PORT INSTL-STATIC (FOR BREAKDOWN SEE CMM 71-11-53)	K,M	1
-40C	314T4125-18		.PORT INSTL-STATIC (FOR BREAKDOWN SEE CMM 71-11-53)	N	1
-40D	314T4125-20		.PORT INSTL-STATIC (FOR BREAKDOWN SEE CMM 71-11-53) BOEING LETTER HISTORY	P	1

- Item Not Illustrated

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