

 **BOEING**
COMPONENT
MAINTENANCE MANUAL

TO: ALL HOLDERS OF PW4060 ENGINE WIRE HARNESS COMPONENT MAINTENANCE
MANUAL 71-51-01

REVISION NO. 3 DATED JUL 01/03

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.

DESCRIPTION OF CHANGE

106-127,129,138,
141-144

Added color tape bundle part number.

REPAIR-GEN
605

REPAIR-GEN
603

Changed the REPAIR section, par. 3.A.(4)(a) to add the optional wire bundle marking procedure.

1003-1008,1010-1011,
1013-1019,1021-1023,
1025-1027,1029-1031,
1033-1035

Changed IPL, Fig. 1 thru 7, to agree with the latest engineering information.

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HIGHLIGHTS

01.1

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PW4060 ENGINE WIRE HARNESS

NO ASSIGNED P/N

COMPONENT MAINTENANCE MANUAL
WITH
ILLUSTRATED PARTS LIST

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TITLE PAGE

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01

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

PAGE	DATE	CODE	PAGE	DATE	CODE
71-51-01			TESTING & TROUBLE SHOOTING CONT.		
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*106	JUL 01/03	01.1	139	SEP 01/96	01
*107	JUL 01/03	01.1	140	SEP 01/96	01
*108	JUL 01/03	01.1	*141	JUL 01/03	01.1
*109	JUL 01/03	01.1	*142	JUL 01/03	01.1
*110	JUL 01/03	01.1	*143	JUL 01/03	01.1
*111	JUL 01/03	01.1	*144	JUL 01/03	01.1
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			602	NOV 01/00	01.1
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ILLUSTRATED PARTS LIST					
1001	SEP 01/96	01			
1002	SEP 01/96	01			
*1003	JUL 01/03	01.1			
*1004	JUL 01/03	01.1			
*1005	JUL 01/03	01.1			
*1006	JUL 01/03	01.1			
*1007	JUL 01/03	01.1			
*1008	JUL 01/03	01.1			
*1009	BLANK				
*1010	JUL 01/03	01.1			
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*1016	JUL 01/03	01.1			
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*1021	JUL 01/03	01.1			
*1022	JUL 01/03	01.1			
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*1025	JUL 01/03	01.1			
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1028	BLANK				
*1029	JUL 01/03	01.1			
*1030	JUL 01/03	01.1			
*1031	JUL 01/03	01.1			
1032	BLANK				
*1033	JUL 01/03	01.1			
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Check*[1]
Repair.	601
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Fits and Clearances (not applicable)	
Special Tools*[2]
Illustrated Parts List.	1001

*[1] Use applicable procedures in 71-00-20 and standard industry practices.
*[2] Special instructions not required.

INTRODUCTION

The instructions in this manual supply the data necessary to do the maintenance functions together with the test, trouble shooting, and replacement of the defective components.

This manual is divided into different parts:

- | | |
|--|------------------------------|
| 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 parts.

All dimensions, measures, quantities and weights used in the manual are in English units. When metric equivalents are given they will be in the parentheses that follow the English units.

The Illustrated Parts List (IPL) is used as shown in the introduction of that part.

Design changes, optional parts, configuration differences and Service Bulletin modifications cause different part numbers. These part numbers are identified in the IPL with an alphabetical character added to the end of the basic item number. Through the manual, IPL basic item numbers also apply to alpha-variants unless shown differently.

Verification:

Testing/TS

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INTRODUCTION

01

Page 1

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PW4060 ENGINE WIRE HARNESS

DESCRIPTION AND OPERATION

1. Description

- A. This manual contains information for the following PW4060 engine wire harness wire bundle assemblies.

<u>Part Number</u>	<u>Wire Bundle Assembly Nomenclature</u>
286T3502	Engine-EEC/SCU/Autostart
286T3504	Engine-EEC/AVM/Autostart
286T3506	Engine-S2A-Eng Instr. & Fire Detection
286T3508	Engine-Eng Instr.
286T3510	Engine-Eng Instr.
286T3520	Engine-S2B-Fire Detection
286T3538	Engine-IDG Control

- B. Wire List and Parts List data are contained in the following figure:

<u>Part Number</u>	<u>Wire List Table</u>	<u>Parts List Figure</u>
286T3502-044	Table 102	1
286T3504-056	Table 103	2
286T3504-059	Table 104	2
286T3504-060	Table 105	2
286T3506-045	Table 106	3
286T3506-050	Table 106	3
286T3506-053	Table 107	3
286T3508-044	Table 108	4
286T3508-051	Table 119	4
286T3510-043	Table 110	5
286T3510-044	Table 111	5
286T3520-041	Table 112	6
286T3520-045	Table 112	6
286T3520-047	Table 112	6
286T3538-042	Table 113	7

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DESCRIPTION & OPERATION

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TESTING AND TROUBLE SHOOTING

1. Testing

A. Wire list contained in Table 102 thru 113 may be used with standard shop multimeter or ohmmeter to verify wire continuity from end-to-end, as necessary.

2. Trouble Shooting

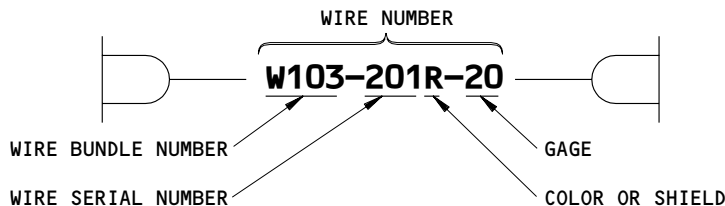
A. Wire List Definition

(1) Wire Bundle Numbers

(a) Each wire bundle is given an equipment number beginning with "W". This equipment number is the first part of the wire number and is derived from the wire bundle drawing number. The first part of the wire bundle number thus becomes WXXXX.

(2) Wire numbers

(a) A typical wire number for the 767 consists of the wire bundle number, wire serial number, gage and color (if used) as shown in Fig. 101.



Wire Numbers
Figure 101

(b) The wire numbers are physically printed or stamped on each wire and are also used on the Wiring Diagram Manual to identify the wires.

(3) Wire Type (TYPE)

(a) The relation of the wire type (EDP) codes to specification are shown in 71-00-20.

F93914

(4) Equipment

- (a) There are two equipment columns, one for each end of the wire. Any item designator found in this column (other than splices or grounds) will be an entry in the Reference Designator Index.

(5) Terminal (TERM)

- (a) If the equipment item has identified wire terminating devices specified or implied, that symbol will be provided.
- (b) An equal sign (=) appearing ahead of the symbol means no identification is to be found on the part and the symbols used are for hook-up and the test purposes.
- (c) "=CC", "PERB" in the TERM column indicates a termination at the backshell of the connector.
- (d) "REF" in the TERM column is used to indicate a termination in the vicinity of but not in the splice or terminal indicated in the EQUIP column. It may be used with an SP number in lieu of SPREF in Equip. No.
- (e) "DED" in the TERM column indicates the shield is dead ended and not terminated by pigtail or jumber wire.
- (f) "CAP" in the TERM column indicates a wire terminated by an end cap near equipment shown.
- (g) Grounds are shown in the TERM column as A., AC Ground; D., DC Ground; S.. Static, Shield or Special Ground.
- (h) The color codes in the section represent Pin Identification Codes of colored pigtails from vendor furnished equipment. The wire number associated with this pigtail is in the form A-A thru Z-9.

(6) Terminal Type (TERM TYPE)

- (a) Terminal type are defined as follows:

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DESCRIPTION

<u>CODE</u>	<u>WIRE SIZE</u>	<u>STUB SIZE</u>	<u>P/N & VENDOR</u>
8	---	---	BACT12C15 or BACT12C20
DK	18	---	248-136-2018S-02 (AMPHENOL)
G3	10-12	8	323749 (AMP)
G3	14-16	8	322337 (AMP)
G3	18-22	8	321893 (AMP)
G7	18-22	6	321892 (AMP)
G7	14-16	6	322332 (AMP)
GW	10-12	10	323750 (AMP)
GW	14-16	10	322338 (AMP)
GW	18-22	10	321894 (AMP)
K	18-22	4	322363 (AMP)
M	---	8 or 10	325154 (AMP)
V	18-20	---	D-150-0250 (RAYCHEM)

(7) Splice (SPL) -- This column shows conditions under which the connection is made:

- (a) * in the splice column indicates two or more wires terminate in the same attaching device, i.e., lug, pin or solder terminal (not used on SP or SM splices).
- (b) *1, *2, *3 designate which wires appear in which single devices, i.e., *1 wires are lugged together; *2 wires are lugged together in a second lug and *3 wires are lugged together in the third lug.
- (c) Ferrule groups or shielded wires with shields tied together with jumpers are identified as common terminus by F() codes. All shields with an "FA" in either SP column are common.
 - 1) Sometimes a jumper wire number FR () is used to connect the F() shields & a termination such as a pin in a connector or to a ground. Jumper FRA is required to term terminate FA, jumper FRB is required for FB, etc.
- (d) Shields terminating in a splice will show "A", "B", etc. in the splice column. The wire from the splice to another termination will be numbered wire "JPA", "JBA", etc.

(8) Wire length (FEET/IN and SEPARATION CODE)

- (a) The length of the wire is shown in this column.

- (b) A wire without a length will appear if it is part of a family of wires. The length for this particular wire is usually specified on the lowest wire number in that family group.
 - (c) Separation Code -- See repair section for more detail.
- (9) Note Code
- (a) Note codes used in the wire lists and their definition are shown in Table 101.

NOTE CODE	NOTE TEXT
BAB	DESIGNATED GROUND, VERIFY MAXIMUM RESISTANCE 0.001 OHMS OR LESS.
BAF	LOCKWIRE CONNECTOR STRAIN RELIEF CLAMP PER REPAIR 6-1, 71-00-20.
CBV	MAKE ALL =CC TERMINATIONS TO CABLE CLAMP SCREW WITH A 2-INCH MAXIMUM LENGTH PIGTAIL PER REPAIR 1-3, 71-00-20. MULTIPLE STAKE WIRES AS REQUIRED. LIMIT SHIELDS TO FIVE PER LUG AND LIMIT LUGS TO SIX PER BACKSHELL.
CDG	CRITICAL LENGTH (PLUS OR MINUS ONE HALF INCH).
DBB	UNPRESSURIZED AREA CONNECTOR. INSTALL SPARE CONTACTS AND SEAL PLUGS IN ALL UNUSED CONNECTOR CONTACT CAVITIES AS REQUIRED PER REPAIR 3-1, 71-00-20. INSTALL INSULATION BUILDUP SLEEVES, IF REQUIRED, ON ALL WIRES IN THIS CONNECTOR PER REPAIR 3-1, PARA. 4.
HBC	DO NOT PERFORATE SLEEVING.
IAM	IDENTIFY GROUND EQUIP NUMBER ON WIRE.
ISL	THE WIRE(S) IN THIS SLEEVE MUST BE SLEEVED FULL LENGTH TO MAINTAIN SEPARATION WITHIN THE WIRE BUNDLE.
ISN	SLEEVE WIRE INDIVIDUALLY OVER ITS ENTIRE LENGTH WITH TFE-2X.
ISY	THE LENGTH CALLED OUT FOR THIS SLEEVE IS TO THE FIRST BREAKOUT OF THE WIRES IN THIS SLEEVE. WIRE(S) MUST BE SLEEVED FULL LENGTH.

Note Code Definition
Table 101 (Sheet 1)

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NOTE CODE	NOTE TEXT
XBW	SLEEVE WIRE INDIVIDUALLY OVER ITS ENTIRE LENGTH WITH TFE-2X.
XCS	DO NOT PERFORATE PROTECTIVE SLEEVING.

NOTE: The dictionary note code consists of two parts. The first part is a three letter code giving special instructions for processing and/or terminating the wire. The second part is two-digit alphanumeric code. Alpha is the address. It defines which end of the wire dictionary note is applicable to.

If the alpha code is:

"F" the note applies to the "from Equip End" of the wire

"T" the note applies to the "To Equip End" of the wire

"B" the note applies to both ends of the wire

The numeric part of the code is for Boeing production information.

Note Code Definition
Table 101 (Sheet 2)

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WIRE				FROM EQUIPMENT				WIRING DIAGRAM MANUAL REFERENCE	TO EQUIPMENT				WIRE LENGTH	
NUMBER	G A G E	C O L O R	T Y P E	NUMBER	T E R M	T E R M	T Y P E		NUMBER	T E R M	T E R M	T Y P E	F E E T	S E E P I N
002	16		HP	D04224P	13			73-21-20	D08346P	3		3	7	
002Z				D04224P	=CC	G3		73-21-20	D08346P	=CC	G3	S2A S2A		
003	16	CBV-B2	HP	D04224P	4			73-21-11	D08346P	5		3	7	
003Z				D04224P	=CC	G3		73-21-11	D08346P	=CC	G3	S2A S2A		
006	20	CBV-B2	HP	D12280	B			71-51-14	GD12511	A..	GW	2		
006Z				D12280	DED			71-51-14	GD12511	DED		S2A S2A		
008	18	BAB-T4, IAM-T2	HP	D08350P	3			71-51-14	D08370P	11		3	3	
008Z				D08350P	=CC	G3		71-51-14	D08370P	=CC	G3	S2A S2A		
009	18	CBV-B2	HP	D08350P	4			71-51-14	D08370P	12		3	3	
009Z				D08350P	=CC	G3		71-51-14	D08370P	=CC	G3	S2A S2A		
010	18	CBV-B2	HP	D08350P	5			71-51-14	D08370P	13		3	3	
010Z				D08350P	=CC	G3		71-51-14	D08370P	=CC	G3	S2A S2A		
011	20	CBV-B2	HL	D12280	C			71-51-14	D12280	D		1		
023	20		HP	D04224	8			73-21-11	D08346P	7		3	7	
023Z				D04224P	=CC	G3		73-21-11	D08346P	=CC	G3	S2A S2A		
		CBV-B2												

 Wire Bundle Assembly, 286T3502-044
 Table 102 (Sheet 1)

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WIRE				FROM EQUIPMENT				WIRING DIAGRAM MANUAL REFERENCE	TO EQUIPMENT				WIRE LENGTH		
NUMBER	G A G E	C O L O R	T Y P E	NUMBER	T E R M	T E R M	T Y P E		NUMBER	T E R M	T E R M	T Y P E	F E E T	S E E T	I N
025	16		HL	GD06589	D..	GW		73-21-11	D08346P	9			1		4
			BAB-T4, IAM-F2										S2A		
026	20		HP	D04224P	19			78-36-11	D08346P	8			3		7
026Z				D04224P	=CC	G3		78-36-11	D08346P	=CC	G3		S2A		
			CBV-B2										S2A		
029	16		HL	GD06589	D..	GW		73-21-20	D08346P	4			1		4
			BAB-T4, IAM-F2										S2A		
030	16		HL	GD06589	D..	GW		73-21-11	D08346P	6			1		4
			BAB-T4, IAM-F2										S2A		
033	20		HP	D11114	M-			73-21-14	D04224P	1			4		
													S2A		
033Z	20		HP	D11114	=CC	G3		73-21-14	D04224P	=CC	G3		S2A		
			CBV-B2										S2A		
040	20		HP	D04224P	7			73-21-11	D11114	F			4		
													S2A		
040Z				D04224P	=CC	G3		73-21-11	D11114	=CC	G3		S2A		
			CBV-B2										S2A		
101	20		HP	D04224P	11			73-21-14	D11114	Q-			4		
													S2A		
101Z				D04224P	=CC	G3		73-21-14	D11114	=CC	G3		S2A		
			CBV-B2										S2A		
102	20		HP	D08350P	6			71-51-14	D08370P	14			3		3
													S2A		
102Z				D08350P	=CC	G3		71-51-14	D08370P	=CC	G3		S2A		
			CBV-B2										S2A		
106	20		HP	D08350P	11			71-51-14	D12280	A			8		
													S2A		
106Z				D08350P	=CC	G3		71-51-14	D12280	=CC	G7		S2A		
			CBV-B2										S2A		
108	20		HP	D08350P	14			71-51-14	D08370P	7			3		3
													S2A		

Wire Bundle Assembly, 286T3502-044
Table 102 (Sheet 2)

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WIRE				FROM EQUIPMENT				WIRING DIAGRAM MANUAL REFERENCE	TO EQUIPMENT				WIRE LENGTH	
NUMBER	G A G E	C O L O R	T Y P E	NUMBER	T E R M	T E R M	T Y P E		NUMBER	T E R M	T E R M	T Y P E	F E E T	S E E P I N
108Z				D08350P	=CC	G3		71-51-14	D08370P	=CC	G3		S2A	
114	CBV-B2			D04224P	18			73-21-19	D11114	J			4	
114Z				D04224P	=CC	G3		73-21-19	D08346P	=CC	G3		S2A S2A	
119	CBV-B2			D08350P	10			71-51-14	D08370P	5			3	3
119Z				D08350P	=CC	G3		71-51-14	D08370P	=CC	G3		S2A S2A	
200B	CBV-B2			D04224P	10			73-21-14	D11114	H-			4	
200R				D04224P	9			73-21-14	D11114	T			S2A S2A	
200Z				D04224P	=CC	G3		71-21-14	D11114	=CC	G3		S2A	
201B	CBV-B2			D04224P	3			77-12-12	D08346P	11			3	7
201R				D04224P	2			77-12-12	D08346P	10			S2A S2A	
201Z				D04224P	=CC	G3		77-12-12	D08346P	=CC	G3		S2A	
203B	CBV-B2			D04224P	15			73-21-13	D11114	Y			4	
203R				D04224P	16			73-21-13	D11114	C			S2A S2A	
203Z				D04224P	=CC	G3		73-21-13	D11114	=CC	G3		S2A	
204B	CBV-B2			D04224P	24			73-21-14	D11114	P			4	
													S2A	

 Wire Bundle Assembly, 286T3502-044
 Table 102 (Sheet 3)

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WIRE				FROM EQUIPMENT				WIRING DIAGRAM MANUAL REFERENCE	TO EQUIPMENT				WIRE LENGTH	
NUMBER	G A G E	C O L O R	T Y P E	NUMBER	T E R M	T E R M	T Y P E		NUMBER	T E R M	T E R M	T Y P E	F E E T	S E E P I N
204R 204Z	20		HQ	D04224P D04224P	23 =CC		G3	73-21-14 73-21-14	D11114 D11114	R =CC		G3	S2A S2A	
205B	20	CBV-B2	HQ	D04224P	6			73-21-14	D11114	J-			4 S2A	
205R 205Z	20		HQ	D04224P D04224P	5 =CC		G3	73-21-14 73-21-14	D11114 D11114	V =CC		G3	S2A S2A	
206B	20	CBV-B2	HQ	D08370P	16			73-21-11	SM00002		VH		1 S2A	9
206R	20		HQ	D08370P	15			73-21-11	SM00001		VH		S2A	
206Z				D08370P	=CC		G3	73-21-11	SM00001	REF			S2A	
211B	20	CBV-F2	HQ	D08350P	9			71-51-14	D08370P	8			3 S2A	3
211R 211Z	20		HQ	D08350P D08350P	13 =CC		G3	71-51-14 71-51-14	D08370P D08370P	6 =CC		G3	S2A S2A	
212B	20	CBV-B2	HQ	D04224P	33			73-21-14	D11114	I-			4 S2A	
212R 212Z	20		HQ	D04224P D04224P	32 =CC		G3	73-21-14 73-21-14	D11114 D11114	U =CC		G3	S2A S2A	
213B	20	CBV-B2	HQ	D04224P	42			73-21-17	D11114	S-			4 S2A	
213R 213Z	20		HQ	D04224P D04224P	41 =CC		G3	73-21-17 73-21-17	D11114 D11114	H =CC		G3	S2A S2A	
222B	20	CBV-B2	HQ	D04224P	28			73-21-12	D11114	C-			4 S2A	
222R 222Z	20		HQ	D04224P D04224P	17 =CC		G3	73-21-12 73-21-12	D11114 D11114	K- =CC		G3	S2A S2A	

Wire Bundle Assembly, 286T3502-044
Table 102 (Sheet 4)

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WIRE				FROM EQUIPMENT				WIRING DIAGRAM MANUAL REFERENCE	TO EQUIPMENT				WIRE LENGTH	
NUMBER	G A L O P E	C O L O R	T Y P E	NUMBER	T E R M	T E R M	T Y P E		NUMBER	T E R M	T E R M	T Y P E	F E E T	S E E I N
225B	20		HQ	D11114	S			73-21-11	SM00002		VH		2	
225R	20		HQ	D11114	P-			73-21-11	SM00001		VH		S2A	
225Z				D11114	=CC	G3		73-21-11	SM00001	REF			S2A	
				CBV-F2										
227B	20		HQ	D15802P	2			73-21-11	SM00002		VH		1	11
													S2A	
227R	20		HQ	D15802P	1			73-21-11	SM00001		VH		S2A	
227Z				D15802P	=CC	G7		73-21-11	SM00001	REF			S2A	
				CBV-F2										
231B	20		HQ	D04224P	34			78-36-11	D08346P	15			3	7
													S2A	
231R	20		HQ	D04224P	31			78-36-11	D08346P	14			S2A	
231Z				D04224P	=CC	G3		78-36-11	D08346P	=CC	G3		S2A	
				CBV-B2										
233B	20		HQ	D04224P	30			78-36-11	D08346P	16			3	7
													S2A	
233R	20		HQ	D04224P	29			78-36-11	D08346P	17			S2A	
233Z				D04224P	=CC	G3		78-36-11	D08346P	=CC	G3		S2A	
				CBV-B2										
273B	18		HQ	D08350P	7			71-51-14	D08370P	4			3	3
													S2A	
273R	18		HQ	D08350P	8			71-51-14	D08370P	9			S2A	
273Z				D08350P	=CC	G3		71-51-14	D08370P	=CC	G3		S2A	
				CBV-B2										
301B	20		HR	D04224P	27			73-21-13	D11114	X			4	
													S2A	
301R	20		HR	D04224P	26			73-21-13	D11114	A			S2A	
301Y	20		HR	D04224P	25			73-21-13	D11114	B			S2A	
301Z				D04224P	=CC	G3		73-21-13	D11114	=CC	G3		S2A	
				CBV-B2										

 Wire Bundle Assembly, 286T3502-044
 Table 102 (Sheet 5)

71-51-01

WIRE				FROM EQUIPMENT				WIRING DIAGRAM MANUAL REFERENCE	TO EQUIPMENT				WIRE LENGTH	
NUMBER	G A G E	C O L O R	T Y P E	NUMBER	T E R M	T E R M	T Y P E		NUMBER	T E R M	T E R M	T Y P E	F E E T	S E E P I N
305B	20		HR	D04224P	40			73-21-11	D08346P	2			3	7
305R	20		HR	D04224P	39			73-21-11	D08346P	1			S2A	
305Y	20		HR	D04224P	38			73-21-11	D08346P	12			S2A	
305Z				D04224P	=CC	G3		73-21-11	D08346P	=CC	G3		S2A	
401B	20	CBV-B2	HS	D04224P	12			73-21-14	D11114P	D			4	
401G	20		HS	D04224P	22			73-21-14	D11114P	G			S2A	
401R	20		HS	D04224P	20			73-21-14	D11114P	R-			S2A	
401Y	20		HS	D04224P	21			73-21-14	D11114P	G-			S2A	
401Z		CBV-B2		D04224P	=CC	G3		73-21-14	D11114P	=CC	G3		S2A	

Wire Bundle Assembly, 286T3502-044
Table 102 (Sheet 6)

71-51-01

WIRE				FROM EQUIPMENT				WIRING DIAGRAM MANUAL REFERENCE	TO EQUIPMENT				WIRE LENGTH	
NUMBER	G A G E	C O L O R	T Y P E	NUMBER	T E R M	T E R M	T Y P E		NUMBER	T E R M	T Y P E	S P L	F E E T	S E E P I N
P01 001	16		SJ HP	D15802J D08320P		1		30-34-11	D08316P	1			3 S2B	6 8
001Z				D08320P	=CC	G3		30-34-11	D08316P	=CC	G3		S2B	
002	16	CBV-B6	HP	D08320P		13		73-21-20	D08330P	3			4 S2B	1
002Z				D08320P	=CC	G3		73-21-20	D08330P	=CC	G3		S2B	
003	16	CBV-B6	HP	D08320P		4		73-21-11	D08330P	5			4 S2B	1
003Z				D08320P	=CC	G3		73-21-11	D08330P	=CC	G3		S2B	
004	16	CBV-B6 BAB-F4	HL	GD06701 IAM-F6	A..	GW		30-34-11	D08316P	2			3 S2B	6
005	16		HL	D08330P		6		73-21-11	GD06593	D..	GW		3 S2B	10
006	20		HP	D12282	A			71-51-14	D08360P	11			8 S2B	2
006Z				D12282	=CC	G7		71-51-14	D08360P	=CC	G3		S2B	
007	16	CBV-B6 CDG-B2	HL	D08360P		10		SPARE	D08360P	12			S2B	20
01TI 01TO				D10994 D10994	DED =CC	K		77-31-11 77-31-11	D08336P D08336P	3 =CC	G3		S2B S2B	
01TR	20		RQ	D10994		1		77-31-11	D08336P	2			5 S2B	1
01TW 011	20 20		RQ HL	D10994 D12282	2 C			77-31-11 71-51-14	D08336P D12282	1 D			S2B S2B	7

 Wire Bundle Assembly, 286T3504-056
 Table 103 (Sheet 1)

71-51-01

WIRE			FROM EQUIPMENT					WIRING DIAGRAM MANUAL REFERENCE	TO EQUIPMENT				WIRE LENGTH	
NUMBER	G A L E	C O L O R	T Y P E	NUMBER	T E R M	T E R M	T Y P E		NUMBER	T E R M	T E R M	T Y P E	F E E T	S E E I N
024	16		HL	GD06593	D..	GW		73-21-11	D08330P	9		3	10	
			BAB-F4, IAM-F6, ISL-B6, HBC-B6									S2B		
026	20		HP	D08320P	19			78-36-11	D08330P	8		4	1	
026Z				D08320P	=CC	G3		78-36-11	D08330P	=CC	G3	S2B		
027	20		HP	D08320P	8			73-21-11	D08330P	7		4	1	
027Z				D08320P	=CC	G3		73-21-11	D08330P	=CC	G3	S2B		
028	20		HP	D11686	M-			73-21-14	D08320P	14		3	10	
028Z				D11686	=CC	G3		73-21-14	D08320P	=CC	G3	S2B		
029	16		HL	GD06593	D..	GW		73-21-20	D08330P	4		3	10	
			BAB-F4, IAM-F6, ISL-B6, HBC-B6									S2B		
033	16		HL	D08336P	4			73-21-13	GD06635	S..	GW	1	5	
034	16		HL	D08336P	5			73-21-13	GD06635	S..	GW	1	5	
040	20		HP	D08320P	7			73-21-11	D11686	F		3	10	
040Z				D08320P	=CC	G3		73-21-11	D11686	=CC	G3	S2B		
101	20		HP	D08320P	9			73-21-14	D11686	Q-		3	10	
101Z				D08320P	=CC	G3		73-21-14	D11686	=CC	G3	S2B		
106	20		HP	D12282	B			71-51-14	GD12512	A..	GW	2	1	
106Z	20		HP	D12282	DED			71-51-14	GD12512	DED		S2B		

Wire Bundle Assembly, 286T3504-056
Table 103 (Sheet 2)

71-51-01

WIRE				FROM EQUIPMENT				WIRING DIAGRAM MANUAL REFERENCE	TO EQUIPMENT				WIRE LENGTH	
NUMBER	G A G E	C O L O R	T Y P E	NUMBER	T E R M	T E R M	T Y P E		NUMBER	T E R M	T E R M	T Y P E	F E E T	S E E P I N
114	20		HP	D08320P	18			73-21-19	D11686	J		3	10	
114Z				D08320P	=CC	G3		73-21-19	D11686	=CC	G3	S2B S2B		
201B	20	CBV-B6	HQ	D08320P	3			77-12-11	D11686	E		3	10	
201R	20		HQ	D08320P	2			77-12-11	D11686	A-		S2B		
201Z				D08320P	=CC	G3		77-12-11	D11686	=CC	G3	S2B		
203B	20	CBV-B6	HQ	D08320P	15			73-21-13	D11686	Y		3	10	
203R	20		HQ	D08320P	16			73-21-13	D11686	C		S2B		
203Z				D08320P	=CC	G3		73-21-13	D11686	=CC	G3	S2B		
205B	20	CBV-B6	HQ	D08320P	6			73-21-14	D11686	J-		3	10	
205R	20		HQ	D08320P	5			73-21-14	D11686	V		S2B		
205Z				D08320P	=CC	G3		73-21-14	D11686	=CC	G3	S2B		
206B	20	CBV-B6	HQ	D11686	S			73-21-11	D15802J	2		3	11	
206R	20		HQ	D11686	P-			73-21-11	D15802J	1		S2B		
206Z				D11686	=CC	G3		73-21-11	D15802J	=CC	G7	S2B		
207B	20	CBV-B6	HQ	D08320P	24			73-21-14	D11686	P		3	10	
207R	20		HQ	D08320P	23			73-21-14	D11686	R		S2B		
207Z				D08320P	=CC	G3		73-21-14	D11686	=CC	G3	S2B		

 Wire Bundle Assembly, 286T3504-056
 Table 103 (Sheet 3)

71-51-01

WIRE				FROM EQUIPMENT				WIRING DIAGRAM MANUAL REFERENCE	TO EQUIPMENT				WIRE LENGTH	
NUMBER	G A G E	C O L O R	T Y P E	NUMBER	T E R M	T E R M	T Y P E		NUMBER	T E R M	T E R M	T Y P E	F E E T	S E E P I N
208B	20		HQ	D08320P	37			73-21-14	D11686	H-		3	10	
208R	20		HQ	D08320P	36			73-21-14	D11686	T		S2B		
208Z				D08320P	=CC	G3		73-21-14	D11686	=CC	G3	S2B		
				CBV-B6										
209B	20		HQ	D08320P	40			73-21-11	D08330P	2		4	1	
209R	20		HQ	D08320P	39			73-21-11	D08330P	1		S2B		
209Z				D08320P	=CC	G3		73-21-11	D08330P	=CC	G3	S2B		
				CBV-B6										
211B	20		HQ	D08320P	28			73-21-12	D11686	C-		3	10	
211R	20		HQ	D08320P	17			73-21-12	D11686	K-		S2B		
211Z				D08320P	=CC	G3		73-21-12	D11686	=CC	G3	S2B		
				CBV-B6										
212B	20		HQ	D08320P	33			73-21-14	D11686	I-		3	10	
212R	20		HQ	D08320P	32			73-21-14	D11686	U		S2B		
212Z				D08320P	=CC	G3		73-21-14	D11686	=CC	G3	S2B		
				CBV-B6										
213B	20		HQ	D08320P	42			73-21-17	D11686	S-		3	10	
213R	20		HQ	D08320P	41			73-21-17	D11686	H		S2B		
213Z				D08320P	=CC	G3		73-21-17	D11686	=CC	G3	S2B		
				CBV-B6										
216B	20		HQ	D08320P	11			MULTI	D08330P	11		4	1	
216R	20		HQ	D08320P	10			MULTI	D08330P	10		S2B		
216Z				D08320P	=CC	G3		MULTI	D08330P	=CC	G3	S2B		
				CBV-B6										

Wire Bundle Assembly, 286T3504-056
Table 103 (Sheet 4)

71-51-01

WIRE				FROM EQUIPMENT				WIRING DIAGRAM MANUAL REFERENCE	TO EQUIPMENT				WIRE LENGTH	
NUMBER	G A G E	C O L O R	T Y P E	NUMBER	T E R M	T E R M	T Y P E		NUMBER	T E R M	T E R M	T Y P E	F E E T	S E E P I N
217B	20		HQ	D08336P	9			SPARE	D08330P	13		7	1	
217R	20		HQ	D08336P	8			SPARE	D08330P	12		S2B		
217Z				D08336P	=CC	GW		SPARE	D08330P	=CC	G3	S2B		
		CBV-B6												
231B	20		HQ	D08320P	34			78-36-11	D08330P	15		4	1	
231R	20		HQ	D08320P	31			78-36-11	D08330P	14		S2B		
231Z				D08320P	=CC	G3		78-36-11	D08330P	=CC	G3	S2B		
		CBV-B6												
233B	20		HQ	D08320P	30			78-36-11	D08330P	16		4	1	
233R	20		HQ	D08320P	29			78-36-11	D08330P	17		S2B		
233Z				D08320P	=CC	G3		78-36-11	D08330P	=CC	G3	S2B		
		CBV-B6												
301B	20		HR	D08320P	27			73-21-13	D11686	X		3	10	
301R	20		HR	D08320P	26			73-21-13	D11686	A		S2B		
301Y	20		HR	D08320P	25			73-21-13	D11686	B		S2B		
301Z				D08320P	=CC	G3		73-21-13	D11686	=CC	G3	S2B		
		CBV-B6												
401B	20		HS	D08320P	12			73-21-14	D11686	D		3	10	
401G	20		HS	D08320P	22			73-21-14	D11686	G		S2B		
401R	20		HS	D08320P	20			73-21-14	D11686	R-		S2B		
401Y	20		HS	D08320P	21			73-21-14	D11686	G-		S2B		
401Z				D08320P	=CC	G3		73-21-14	D11686	=CC	G3	S2B		
		CBV-B6												

 Wire Bundle Assembly, 286T3504-056
 Table 103 (Sheet 5)

71-51-01

WIRE				FROM EQUIPMENT				WIRING DIAGRAM MANUAL REFERENCE	TO EQUIPMENT				WIRE LENGTH	
NUMBER	G A G E	C O L O R	T Y P E	NUMBER	T E R M	T E R M	T Y P E		NUMBER	T E R M	T E R M	T Y P E	F E E T	S E E P I N
P01 001	16		SJ HP	D15802J D08320P	1			30-34-11	D08316P	1		3	8	
001Z				D08320P	=CC	G3		30-34-11	D08316P	=CC	G7	S2B	S2B	
002	16	CBV-B2	HP	D08320P	13			73-21-20	D08330P	3		4	1	
002Z				D08320P	=CC	G3		73-21-20	D08330P	=CC	G3	S2B	S2B	
003	16	CBV-B2	HP	D08320P	4			73-21-11	D08330P	5		4	1	
003Z				D08320P	=CC	G3		73-21-11	D08330P	=CC	G3	S2B	S2B	
004	16	CBV-B2	HL	GD06701	A..	GW		30-34-11	D08316P	2		3	6	
005	16	BAB-F4	IAM-F2	D08330P	6			73-21-11	GD06593	D..	GW	3	10	
006	20	BAB-F4	IAM-T6, ISL-B6	D12282	A	HBC-B6		71-51-14	D08360P	11		8	2	
006Z				D12282	=CC	G7		71-51-14	D08360P	=CC	G3	S2B	S2B	
007	16	CBV-B2	HL	D08360P	10			SPARE	D08360P	12		S2B	20	
01TI				D10994	DED			77-31-11	D08336P	3		S2B		
01TO				D10994	=CC	K		77-31-11	D08336P	=CC	G3	S2B		
01TR	20	DDB-B2	RQ	D10994	1			77-31-11	D08336P	2		6	2	
01TW	20		RQ	D10994	2			77-31-11	D08336P	1		S2B		
011	20		HL	D12282	C			71-51-14	D12282	D		S2B	7	

Wire Bundle Assembly, 286T3504-059
Table 104 (Sheet 1)

71-51-01

WIRE				FROM EQUIPMENT				WIRING DIAGRAM MANUAL REFERENCE	TO EQUIPMENT				WIRE LENGTH	
NUMBER	G A G E	C O L O R	T Y P E	NUMBER	T E R M	T E R M	T Y P E		NUMBER	T E R M	T E R M	T Y P E	F E E T	S E E N
024	16		HL	GD06593	D..	GW		73-21-11	D08330P	9		3	10	
				BAB-F4, IAM-F2, ISL-B2, HBC-B2								S2B		
026	20		HP	D08320P	19			78-36-11	D08330P	8		4	1	
026Z				D08320P	=CC	G3		78-36-11	D08330P	=CC	G3	S2B		
027	20		HP	D08320P	8			73-21-11	D08330P	7		4	1	
027Z				D08320P	=CC	G3		73-21-11	D08330P	=CC	G3	S2B		
028	20		HP	D11686	M-			73-21-14	D08320P	14		3	10	
028Z				D11686	=CC	G3		73-21-14	D08320P	=CC	G3	S2B		
029	16		HL	GD06593	D..	GW		73-21-20	D08330P	4		3	10	
				BAB-F4, IAM-F2, ISL-B2, HBC-B2								S2B		
033	16		HL	D08336P	4			73-21-13	GD06635	S..	GW	1	5	
				IAM-T2								S2B		
034	16		HL	D08336P	5			73-21-13	GD06635	S..	GW	1	5	
				IAM-T2								S2B		
040	20		HP	D08320P	7			73-21-11	D11686	F		3	10	
040Z				D08320P	=CC	G3		73-21-11	D11686	=CC	G3	S2B		
101	20		HP	D08320P	9			73-21-14	D11686	Q-		3	10	
101Z				D08320P	=CC	G3		73-21-14	D11686	=CC	G3	S2B		
106	20		HP	D12282	B			71-51-14	GD12512	A..	GW	2	1	
				BAB-T4, IAM-T2								S2B		
106Z				D12282	DED			71-51-14	GD12512	DED		S2B		

 Wire Bundle Assembly, 286T3504-059
 Table 104 (Sheet 2)

71-51-01

WIRE				FROM EQUIPMENT				WIRING DIAGRAM MANUAL REFERENCE	TO EQUIPMENT				WIRE LENGTH	
NUMBER	G A G E	C O L O R	T Y P E	NUMBER	T E R M	T E R M	T Y P E		NUMBER	T E R M	T E R M	T Y P E	F E E T	S E E T
114	20		HP	D08320P	18			73-21-19	D11686	J		3		10
114Z				D08320P	=CC	G3		73-21-19	D11686	=CC	G3	S2B		
201B	20	CBV-B2	HQ	D08320P	3			77-12-11	D11686	E		3		10
201R	20		HQ	D08320P	2			77-12-11	D11686	A-		S2B		
201Z				D08320P	=CC	G3		77-12-11	D11686	=CC	G3	S2B		
203B	20	CBV-B2	HQ	D08320P	15			73-21-13	D11686	Y		3		10
203R	20		HQ	D08320P	16			73-21-13	D11686	C		S2B		
203Z				D08320P	=CC	G3		73-21-13	D11686	=CC	G3	S2B		
205B	20	CBV-B2	HQ	D08320P	6			73-21-14	D11686	J-		3		10
205R	20		HQ	D08320P	5			73-21-14	D11686	V		S2B		
205Z				D08320P	=CC	G3		73-21-14	D11686	=CC	G3	S2B		
206B	20	CBV-B2	HQ	D11686	S			73-21-11	D15802J	2		3		11
206R	20		HQ	D11686	P-			73-21-11	D15802J	1		S2B		
206Z				D11686	=CC	G3		73-21-11	D15802J	=CC	G7	S2B		
207B	20	CBV-B2	HQ	D08320P	24			73-21-14	D11686	P		3		10
207R	20		HQ	D08320P	23			73-21-14	D11686	R		S2B		
207Z				D08320P	=CC	G3		73-21-14	D11686	=CC	G3	S2B		

Wire Bundle Assembly, 286T3504-059
Table 104 (Sheet 3)

71-51-01

WIRE				FROM EQUIPMENT				WIRING DIAGRAM MANUAL REFERENCE	TO EQUIPMENT				WIRE LENGTH	
NUMBER	G A L O P E R	C O L O R	T Y P E	NUMBER	T E R M	T E R M	T Y P E		NUMBER	T E R M	T E R M	T Y P E	F E E T	S E E I N
208B	20		HQ	D08320P	37			73-21-14	D11686	H-			3	10
208R	20		HQ	D08320P	36			73-21-14	D11686	T			S2B	
208Z				D08320P	=CC	G3		73-21-14	D11686	=CC	G3		S2B	
				CBV-B2										
209B	20		HQ	D08320P	40			73-21-11	D08330P	2			4	1
209R	20		HQ	D08320P	39			73-21-11	D08330P	1			S2B	
209Z				D08320P	=CC	G3		73-21-11	D08330P	=CC	G3		S2B	
				CBV-B2										
211B	20		HQ	D08320P	28			73-21-12	D11686	C-			3	10
211R	20		HQ	D08320P	17			73-21-12	D11686	K-			S2B	
211Z				D08320P	=CC	G3		73-21-12	D11686	=CC	G3		S2B	
				CBV-B2										
212B	20		HQ	D08320P	33			73-21-14	D11686	I-			3	10
212R	20		HQ	D08320P	32			73-21-14	D11686	U			S2B	
212Z				D08320P	=CC	G3		73-21-14	D11686	=CC	G3		S2B	
				CBV-B2										
213B	20		HQ	D08320P	42			73-21-17	D11686	S-			3	10
213R	20		HQ	D08320P	41			73-21-17	D11686	H			S2B	
213Z				D08320P	=CC	G3		73-21-17	D11686	=CC	G3		S2B	
				CBV-B2										
216B	20		HQ	D08320P	11			31-35-14	D08330P	11			4	1
216R	20		HQ	D08320P	10			31-35-14	D08330P	10			S2B	
216Z				D08320P	=CC	G3		31-35-14	D08330P	=CC	G3		S2B	
				CBV-B2										

 Wire Bundle Assembly, 286T3504-059
 Table 104 (Sheet 4)

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WIRE				FROM EQUIPMENT				WIRING DIAGRAM MANUAL REFERENCE	TO EQUIPMENT				WIRE LENGTH	
NUMBER	G A G E	C O L O R	T Y P E	NUMBER	T E R M	T E R M	T Y P E		NUMBER	T E R M	T E R M	T Y P E	F E E T	S E E P I N
217B	20		HQ	D08336P	9			SPARE	D08330P	13		7	1	
217R	20		HQ	D08336P	8			SPARE	D08330P	12		S2B		
217Z				D08336P	=CC	GW		SPARE	D08330P	=CC	G3	S2B		
		CBV-B2												
231B	20		HQ	D08320P	34			78-36-11	D08330P	15		4	1	
231R	20		HQ	D08320P	31			78-36-11	D08330P	14		S2B		
231Z				D08320P	=CC	G3		78-36-11	D08330P	=CC	G3	S2B		
		CBV-B2												
233B	20		HQ	D08320P	30			78-36-11	D08330P	16		4	1	
233R	20		HQ	D08320P	29			78-36-11	D08330P	17		S2B		
233Z				D08320P	=CC	G3		78-36-11	D08330P	=CC	G3	S2B		
		CBV-B2												
301B	20		HR	D08320P	27			73-21-13	D11686	X		3	10	
301R	20		HR	D08320P	26			73-21-13	D11686	A		S2B		
301Y	20		HR	D08320P	25			73-21-13	D11686	B		S2B		
301Z				D08320P	=CC	G3		73-21-13	D11686	=CC	G3	S2B		
		CBV-B2												
401B	20		HS	D08320P	12			73-21-14	D11686	D		3	10	
401G	20		HS	D08320P	22			73-21-14	D11686	G		S2B		
401R	20		HS	D08320P	20			73-21-14	D11686	R-		S2B		
401Y	20		HS	D08320P	21			73-21-14	D11686	G-		S2B		
401Z				D08320P	=CC	G3		73-21-14	D11686	=CC	G3	S2B		
		CBV-B2												

Wire Bundle Assembly, 286T3504-059
Table 104 (Sheet 5)

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WIRE				FROM EQUIPMENT				WIRING DIAGRAM MANUAL REFERENCE	TO EQUIPMENT				WIRE LENGTH	
NUMBER	G A G E	C O L O R	T Y P E	NUMBER	T E R M	T E R M	T Y P E		NUMBER	T E R M	T E R M	T Y P E	F E E T	S E E P I N
P01 001	16		SJ HP	D15802J D08320P				30-34-11	D08316P	1		3	6 8	
001Z	BAF-B2			D08320P	=CC	G3		30-34-11	D08316P	=CC	G3	S2B S2B		
002	16		HP	D08320P	13			73-21-20	D08330P	3		4	1	
002Z	CBV-B6			D08320P	=CC	G3		73-21-20	D08330P	=CC	G3	S2B S2B		
003	16		HP	D08320P	4			73-21-11	D08330P	5		4	1	
003Z	CBV-B6			D08320P	=CC	G3		73-21-11	D08330P	=CC	G3	S2B S2B		
004	16		HL	GD06701	A..	GW		30-34-11	D08316P	2		3	6	
005	16		HL	D08330P	6			73-21-11	GD06593	D..	GW	3	10	
006	20		HP	D12282	A			71-51-14	D08360P	11		8	2	
006Z	CBV-B6			D12282	=CC	G7		71-51-14	D08360P	=CC	G3	S2B S2B		
01TI 01TO				D10994 D10994	DED =CC	K		77-31-11 77-31-11	D08336P D08336P	3 =CC	G3	S2B S2B		
01TR	20		RQ	D10994	1			77-31-11	D08336P	2		5	1	
01TW 011	20 20		RQ HL	D10994 D12282	2 C			77-31-11 71-51-14	D08336P D12282	1 D		S2B S2B	7	

 Wire Bundle Assembly, 286T3504-060
 Table 105 (Sheet 1)

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WIRE			FROM EQUIPMENT					WIRING DIAGRAM MANUAL REFERENCE	TO EQUIPMENT					WIRE LENGTH	
NUMBER	G A L E	C O L O R	T Y P E	NUMBER	T E R M	T E R M	T Y P E		S P L	NUMBER	T E R M	T E R M	T Y P E	S P L	F E E T
024	16		HL	GD06593	D..	GW		73-21-11	D08330P	9				3	10
				BAB-F6, IAM-F6, ISL-B6, HBC-B6										S2B	
026	20		HP	D08320P	19			78-36-11	D08330P	8				4	1
				D08320P	=CC	G3		78-36-11	D08330P	=CC	G3			S2B	
026Z														S2B	
027	20		HP	D08320P	8			73-21-11	D08330P	7				4	1
				D08320P	=CC	G3		73-21-11	D08330P	=CC	G3			S2B	
027Z														S2B	
028	20		HP	D11686	M-			73-21-14	D08320P	14				3	10
				D11686	=CC	G3		73-21-14	D08320P	=CC	G3			S2B	
028Z														S2B	
029	16		HL	GD06593	D..	GW		73-21-20	D08330P	4				3	10
				BAB-F6, IAM-F6, ISL-B6, HBC-B6										S2B	
033	16		HL	D08336P	4			73-21-13	GD06635	S..	GW			1	5
				IAM-T6, BAB-T6										S2B	
034	16		HL	D08336P	5			73-21-13	GD06635	S..	GW			1	5
				IAM-T6, BAB-T6										S2B	
040	20		HP	D08320P	7			73-21-11	D11686	F				3	10
				D08320P	=CC	G3		73-21-11	D11686	=CC	G3			S2B	
040Z														S2B	
101	20		HP	D08320P	9			73-21-14	D11686	Q-				3	10
				D08320P	=CC	G3		73-21-14	D11686	=CC	G3			S2B	
101Z														S2B	
106	20		HP	D12282	B			71-51-14	GD12512	A..	GW			2	1
				D12282	DED			71-51-14	GD12512	DED				S2B	
106Z														S2B	

Wire Bundle Assembly, 286T3504-060
Table 105 (Sheet 2)

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WIRE				FROM EQUIPMENT				WIRING DIAGRAM MANUAL REFERENCE	TO EQUIPMENT				WIRE LENGTH	
NUMBER	G A G E	C O L O R	T Y P E	NUMBER	T E R M	T E R M	T Y P E		NUMBER	T E R M	T E R M	T Y P E	F E E T	S E E I N
114	20		HP	D08320P	18			73-21-19	D11686	J		3	10	
114Z				D08320P	=CC	G3		73-21-19	D11686	=CC	G3	S2B S2B		
201B	20	CBV-B6	HQ	D08320P	3			77-12-11	D11686	E		3	10	
201R	20		HQ	D08320P	2			77-12-11	D11686	A-		S2B		
201Z				D08320P	=CC	G3		77-12-11	D11686	=CC	G3	S2B		
203B	20	CBV-B6	HQ	D08320P	15			73-21-13	D11686	Y		3	10	
203R	20		HQ	D08320P	16			73-21-13	D11686	C		S2B		
203Z				D08320P	=CC	G3		73-21-13	D11686	=CC	G3	S2B		
205B	20	CBV-B6	HQ	D08320P	6			73-21-14	D11686	J-		3	10	
205R	20		HQ	D08320P	5			73-21-14	D11686	V		S2B		
205Z				D08320P	=CC	G3		73-21-14	D11686	=CC	G3	S2B		
206B	20	CBV-B6	HQ	D11686	S			73-21-11	D15802J	2		3	11	
206R	20		HQ	D11686	P-			73-21-11	D15802J	1		S2B		
206Z				D11686	=CC	G3		73-21-11	D15802J	=CC	G7	S2B		
207B	20	CBV-B6	HQ	D08320P	24			73-21-14	D11686	P		3	10	
207R	20		HQ	D08320P	23			73-21-14	D11686	R		S2B		
207Z				D08320P	=CC	G3		73-21-14	D11686	=CC	G3	S2B		
		CBV-B6												

 Wire Bundle Assembly, 286T3504-060
 Table 105 (Sheet 3)

71-51-01

WIRE				FROM EQUIPMENT				WIRING DIAGRAM MANUAL REFERENCE	TO EQUIPMENT				WIRE LENGTH	
NUMBER	G A G E	C O L O R	T Y P E	NUMBER	T E R M	T E R M	T Y P E		NUMBER	T E R M	T E R M	T Y P E	F E E T	S E E P I N
208B	20		HQ	D08320P	37			73-21-14	D11686	H-		3	10	
208R	20		HQ	D08320P	36			73-21-14	D11686	T		S2B		
208Z				D08320P	=CC	G3		73-21-14	D11686	=CC	G3	S2B		
		CBV-B6												
209B	20		HQ	D08320P	40			73-21-11	D08330P	2		4	1	
209R	20		HQ	D08320P	39			73-21-11	D08330P	1		S2B		
209Z				D08320P	=CC	G3		73-21-11	D08330P	=CC	G3	S2B		
		CBV-B6												
211B	20		HQ	D08320P	28			73-21-12	D11686	C-		3	10	
211R	20		HQ	D08320P	17			73-21-12	D11686	K-		S2B		
211Z				D08320P	=CC	G3		73-21-12	D11686	=CC	G3	S2B		
		CBV-B6												
212B	20		HQ	D08320P	33			73-21-14	D11686	I-		3	10	
212R	20		HQ	D08320P	32			73-21-14	D11686	U		S2B		
212Z				D08320P	=CC	G3		73-21-14	D11686	=CC	G3	S2B		
		CBV-B6												
213B	20		HQ	D08320P	42			73-21-17	D11686	S-		3	10	
213R	20		HQ	D08320P	41			73-21-17	D11686	H		S2B		
213Z				D08320P	=CC	G3		73-21-17	D11686	=CC	G3	S2B		
		CBV-B6												
216B	20		HQ	D08320P	11			31-35-14	D08330P	11		4	1	
216R	20		HQ	D08320P	10			31-35-14	D08330P	10		S2B		
216Z				D08320P	=CC	G3		31-35-14	D08330P	=CC	G3	S2B		
		CBV-B6												

Wire Bundle Assembly, 286T3504-060
Table 105 (Sheet 4)

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WIRE				FROM EQUIPMENT				WIRING DIAGRAM MANUAL REFERENCE	TO EQUIPMENT				WIRE LENGTH	
NUMBER	G A L L E R	C O L O R	T Y P E	NUMBER	T E R M	T E R M	T Y P E		NUMBER	T E R M	T E R M	T Y P E	F E E T	S E E P I N
217B	20		HQ	D08336P	9			SPARE	D08330P	13			7	1
217R	20		HQ	D08336P	8			SPARE	D08330P	12			S2B	
217Z				D08336P	=CC	GW		SPARE	D08330P	=CC	G3		S2B	
				CBV-B6										
231B	20		HQ	D08320P	34			78-36-11	D08330P	15			4	1
231R	20		HQ	D08320P	31			78-36-11	D08330P	14			S2B	
231Z				D08320P	=CC	G3		78-36-11	D08330P	=CC	G3		S2B	
				CBV-B6										
233B	20		HQ	D08320P	30			78-36-11	D08330P	16			4	1
233R	20		HQ	D08320P	29			78-36-11	D08330P	17			S2B	
233Z				D08320P	=CC	G3		78-36-11	D08330P	=CC	G3		S2B	
				CBV-B6										
301B	20		HR	D08320P	27			73-21-13	D11686	X			3	10
301R	20		HR	D08320P	26			73-21-13	D11686	A			S2B	
301Y	20		HR	D08320P	25			73-21-13	D11686	B			S2B	
301Z				D08320P	=CC	G3		73-21-13	D11686	=CC	G3		S2B	
				CBV-B6										
401B	20		HS	D08320P	12			73-21-14	D11686	D			3	10
401G	20		HS	D08320P	22			73-21-14	D11686	G			S2B	
401R	20		HS	D08320P	20			73-21-14	D11686	R-			S2B	
401Y	20		HS	D08320P	21			73-21-14	D11686	G-			S2B	
401Z				D08320P	=CC	G3		73-21-14	D11686	=CC	G3		S2B	
				CBV-B6										

 Wire Bundle Assembly, 286T3504-060
 Table 105 (Sheet 5)

71-51-01

WIRE				FROM EQUIPMENT				WIRING DIAGRAM MANUAL REFERENCE	TO EQUIPMENT				WIRE LENGTH	
NUMBER	G A G E	C O L O R	T Y P E	NUMBER	T E R M	T E R M	T Y P E		NUMBER	T E R M	T E R M	T Y P E	F E E T	S E E T
006	18		HL	D04230P	4			80-11-11	D10970	3		11	5	
007	18		HL	D04230P	5			80-11-11	D10970	6		11	5	
008	18		HL	D04230P	6			80-11-11	D10970	1		11	5	
009	18		HL	GD06597	D..	GW		80-11-11	D10970	2		10	2	
010	18		HL	GD06597	D..	GW		80-11-11	D10970	4		10	2	
011	18		HL	GD06597	D..	GW		80-11-11	D10970	5		10	2	
012	18		HL	GD06597	S..	GW		80-11-11	D10970	7		10	1	
400R	16		9P	D04230P	18			26-11-22	TS0684	C	G3	2	4	
451R	16		9P	D04230P	14			26-11-22	TS0684	A	GW	2	4	
453R	16		9P	D04230P	10			76-11-11	SM00001		8	10	8	
454R	16		9P	SM00001		8		76-11-11	D08312	6		10	9	
455R	16		9P	GD06595	D..	GW		76-11-11	D08312	4		10	6	
456R	16		9P	GD06595	D..	GW		76-11-11	D08312	8		10	6	
457R	16		9P	GD06595	D..	GW		76-11-11	D08312	10		10	6	
458R	16		9P	GD06595	D..	GW		76-11-11	D08312	14		10	6	

Wire Bundle Assembly, 286T3506-045, -050
Table 106 (Sheet 1)

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WIRE				FROM EQUIPMENT				WIRING DIAGRAM MANUAL REFERENCE	TO EQUIPMENT				WIRE LENGTH	
NUMBER	G A G E	C O L O R	T Y P E	NUMBER	T E R M	T E R M	T Y P E		NUMBER	T E R M	T E R M	T Y P E	F E E T	S E E I N
460	18		HL	D04230P	8			76-11-11	D08312	3			11	6
461R	16		9P	D04230P	9			76-11-11	D08312	13			11	6
462R	16		9P	D04230P	12			76-11-11	D08312	9			11	6
463R	16		9P	GD06659	S..	GW		76-11-11	D08312	5			10	2
472R	16	IAM-F6	9P	SM00001		8		76-11-11	D08312	1			S2A	9
501R	16		9P	D04230P	16			26-11-21	TS0681	C	G3	*	6	11
502R	16		9P	TS0681	C	G3	*	26-11-21	TS0682	C	G3	*	8	8
503R	16		9P	TS0682	C	G3	*	26-11-21	TS0683	C	G3		9	8
504R	16		9P	D04230P	15			26-11-21	TS0681	A	GW	*	6	11
505R	16		9P	TS0681	A	GW	*	26-11-21	TS0682	A	GW	*	8	8
506R	16		9P	TS0682	A	GW	*	26-11-21	TS0683	A	GW		9	8
													S2A	

 Wire Bundle Assembly, 286T3506-045, -050
 Table 106 (Sheet 2)

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 TESTING & TROUBLE SHOOTING
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WIRE				FROM EQUIPMENT				WIRING DIAGRAM MANUAL REFERENCE	TO EQUIPMENT				WIRE LENGTH	
NUMBER	G A G E	C O L O R	T Y P E	NUMBER	T E R M	T E R M	T Y P E		NUMBER	T E R M	T E R M	T Y P E	F E E T	S E E I N
006	18		HL	D04230P	4			80-11-11	D10970	3		11	5	
007	18		HL	D04230P	5			80-11-11	D10970	6		11	5	
008	18		HL	D04230P	6			80-11-11	D10970	1		11	5	
009	18		HL	GD06597	D..	GW		80-11-11	D10970	2		10	2	
010	18		HL	GD06597	D..	GW		80-11-11	D10970	4		10	2	
011	18		HL	GD06597	D..	GW		80-11-11	D10970	5		10	2	
012	18		HL	GD06659	S..	GW		80-11-11	D10970	7		10	1	
400R	16		9P	D04230P	18			26-11-22	TS0684	C	G3	2	4	
451R	16		9P	D04230P	14			26-11-22	TS0684	A	GW	2	4	
453R	16		9P	D04230P	10			76-11-11	SM00001		8	10	8	
454R	16		9P	SM00001		8		76-11-11	D08312	6		10	9	
455R	16		9P	GD06595	D..	GW		76-11-11	D08312	4		10	6	
456R	16		9P	GD06595	D..	GW		76-11-11	D08312	8		10	6	
457R	16		9P	GD06595	D..	GW		76-11-11	D08312	10		10	6	
458R	16		9P	GD06595	D..	GW		76-11-11	D08312	14		10	6	

Wire Bundle Assembly, 286T3506-53
Table 107 (Sheet 1)

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WIRE				FROM EQUIPMENT				WIRING DIAGRAM MANUAL REFERENCE	TO EQUIPMENT				WIRE LENGTH	
NUMBER	G A G E	C O L O R	T Y P E	NUMBER	T E R M	T E R M	T Y P E		NUMBER	T E R M	T E R M	T Y P E	F E E T	S E E I N
460	18		HL	D04230P	8			76-11-11	D08312	3			11	6
461R	16		9P	D04230P	9			76-11-11	D08312	13			11	6
462R	16		9P	D04230P	12			76-11-11	D08312	9			11	6
463R	16		9P	GD06659	S..	GW		76-11-11	D08312	5			10	2
472R	16	IAM-F6	9P	SM00001		8		76-11-11	D08312	1			S2A	9
501R	16		9P	D04230P	16			26-11-21	TS0681	C	G3	*	6	11
502R	16		9P	TS0681	C	G3	*	26-11-21	TS0682	C	G3	*	8	8
503R	16		9P	TS0682	C	G3	*	26-11-21	TS0683	C	G3		9	3
504R	16		9P	D04230P	15			26-11-21	TS0681	A	GW	*	6	11
505R	16		9P	TS0681	A	GW	*	26-11-21	TS0682	A	GW	*	8	8
506R	16		9P	TS0682	A	GW	*	26-11-21	TS0683	A	GW		9	3
													S2A	

 Wire Bundle Assembly, 286T3506-053
 Table 107 (Sheet 2)

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WIRE				FROM EQUIPMENT				WIRING DIAGRAM MANUAL REFERENCE	TO EQUIPMENT				WIRE LENGTH	
NUMBER	G A G E	C O L O R	T Y P E	NUMBER	T E R M	T E R M	T Y P E		NUMBER	T E R M	T E R M	T Y P E	F E E T	S E E P I N
P01			SJ	D10996								1	4	
		XCS-B2												
P02			SJ	D11116								1	2	
		XCS-B2												
P03			SJ	D10980								2	2	
		XCS-B2												
P04			SJ	D10976								1	1	
		XCS-B2												
S01			SZ	D10982									12	
		ISY-F2, HBC-F2												
003	18		HL	GD06587	D..		GW	73-34-11	D10996	C		8		
		BAB-F4, IAM-F6										S2B		
004	18		HL	GD06621	S..		GW	73-34-11	D10996	B		8		
		IAM-F6										S2B		
005	18		HL	D04232P	2			73-34-11	D10996	A		11		
												S2B		
006	18		HL	GD06621	S..		GW	36-11-61	D11116	4		13		
		IAM-F6										S2B		
007	18		HL	D04232P	3			36-11-61	D11116	1		12		
												S2B		
008	18		HL	D04232P	4			36-11-61	D11116	2		12		
												S2B		
009	18		HL	D04232P	5			36-11-61	D11116	3		12		
												S2B		
017	18		HL	D04232P	9			29-11-11	D10980	3		13		
												S2B		
018	18		HL	GD06587	D..		GW	29-11-11	D10980	1		10		
		BAB-F4, IAM-F6										S2B		
019	18		HL	GD06621	S..		GW	29-11-11	D10980	2		10		
		IAM-F6										S2B		

Wire Bundle Assembly, 286T3508-044
Table 108 (Sheet 1)

71-51-01

WIRE				FROM EQUIPMENT				WIRING DIAGRAM MANUAL REFERENCE	TO EQUIPMENT				WIRE LENGTH		
NUMBER	G A G E	C O L O R	T Y P E	NUMBER	T E R M	T E R M	T Y P E		NUMBER	T E R M	T E R M	T Y P E	F E E T	S E E T	I N
021	18		HL	D04232P	12			74-31-11	D10976	B			12		
022	18		HL	GD06613	A..	GW		74-31-11	D10976	A			9		
030	18		HL	D10982	4	DK		79-32-11	GD06633	S..	GW		5		
031	18		HL	D04232P	16			79-32-11	D10982	2	DK		7		
032	18		HL	D04232P	17			79-32-11	D10982	3	DK		7		
033	18		HL	D04232P	18			79-32-11	D10982	1	DK		7		
034	18		HL	D04232P	19			36-11-61	V00352	1	GW	*	3		
035	18		HL	D04232P	20			36-11-61	V00352	2	GW		3		
036	18		HL	D04232P	21			36-11-61	V00352	3	GW	*	3		
037	18		HL	D04232P	22			36-11-61	V00352	3	GW	*	3		
038	16		HL	D04232P	37			MU-LT-I	GD06659	S..	GW		4		
039	16		HL	D04232P	38			MU-LT-I	GD06659	S..	GW		4		
040	18		HL	D04232P	23			36-11-61	V00352	1	GW	*	3		

 Wire Bundle Assembly, 286T3508-044
 Table 108 (Sheet 2)

71-51-01

WIRE				FROM EQUIPMENT				WIRING DIAGRAM MANUAL REFERENCE	TO EQUIPMENT				WIRE LENGTH	
NUMBER	G A G E	C O L O R	T Y P E	NUMBER	T E R M	T E R M	T Y P E		NUMBER	T E R M	T E R M	T Y P E	F E E T	S E E P I N
P01			SJ	D10996								1	9	
		XCS-B2												
P02			SJ	D11116								1	2	
		XCS-B2												
P03			SJ	D10980								2	2	
		XCS-B2												
P04			SJ	D10976								1	1	
		XCS-B2												
S01			SZ	D10982									12	
		ISY-F2, HBC-F2												
003	18		HL	GD06587	D..		GW	73-34-11	D10996	C		8		
		BAB-F4, IAM-F6										S2B		
004	18		HL	GD06621	S..		GW	73-34-11	D10996	B		8		
		IAM-F6										S2B		
005	18		HL	D04232P	2			73-34-11	D10996	A		11		
												S2B		
006	18		HL	GD06621	S..		GW	36-11-61	D11116	4		13		
		IAM-F6										S2B		
007	18		HL	D04232P	3			36-11-61	D11116	1		12		
												S2B		
008	18		HL	D04232P	4			36-11-61	D11116	2		12		
												S2B		
009	18		HL	D04232P	5			36-11-61	D11116	3		12		
												S2B		
017	18		HL	D04232P	9			29-11-11	D10980	3		13		
												S2B		
018	18		HL	GD06587	D..		GW	29-11-11	D10980	1		10		
		BAB-F4, IAM-F6										S2B		
019	18		HL	GD06621	S..		GW	29-11-11	D10980	2		10		
		IAM-F6										S2B		

Wire Bundle Assembly, 286T3508-051
Table 109 (Sheet 1)

71-51-01

WIRE				FROM EQUIPMENT				WIRING DIAGRAM MANUAL REFERENCE	TO EQUIPMENT				WIRE LENGTH	
NUMBER	G A G E	C O L O R	T Y P E	NUMBER	T E R M	T E R M	T Y P E		NUMBER	T E R M	T E R M	T Y P E	F E E T	S E E N
021	18		HL	D04232P	12			74-31-11	D10976	B			12	
022	18		HL	GD06613	A..	GW		74-31-11	D10976	A			9	
030	18		HL	D10982	4	DK		79-32-11	GD06633	S..	GW		5	
031	18		HL	D04232P	16			79-32-11	D10982	2	DK		7	
032	18		HL	D04232P	17			79-32-11	D10982	3	DK		7	
033	18		HL	D04232P	18			79-32-11	D10982	1	DK		7	
034	18		HL	D04232P	19			36-11-61	V00352	1	GW	*	3	
035	18		HL	D04232P	20			36-11-61	V00352	2	GW		3	
036	18		HL	D04232P	21			36-11-61	V00352	3	GW	*	3	
037	18		HL	D04232P	22			36-11-61	V00352	3	GW	*	3	
038	16		HL	D04232P	37			MU-LT-I	GD06659	S..	GW		4	
039	16		HL	D04232P	38			MU-LT-I	GD06659	S..	GW		4	
040	18		HL	D04232P	23			36-11-61	V00352	1	GW	*	3	

 Wire Bundle Assembly, 286T3508-051
 Table 109 (Sheet 2)

71-51-01

WIRE				FROM EQUIPMENT				WIRING DIAGRAM MANUAL REFERENCE	TO EQUIPMENT				WIRE LENGTH	
NUMBER	G A G E	C O L O R	T Y P E	NUMBER	T E R M	T E R M	T Y P E		NUMBER	T E R M	T E R M	T Y P E	F E E T	S E E P I N
P01 001	18		SJ HL	D10978 D04208P	1			36-11-61	D10984	1		11	7	
002	18		HL	D04208P	2			36-11-61	D10984	3		11		
003	18		HL	D04208P	3			36-11-61	D10984	7		11		
004	18		HL	D04208P	4			36-11-61	D10984	8		11		
005	18		HL	D04208P	5			36-11-61	D10984	9		11		
006	18		HL	D04208P	6			36-11-61	D10984	5		11		
007	18		HL	D04208P	7			36-11-61	D10984	10		11		
008	18		HL	GD06627	S..	GW		36-11-61	D10984	12		12	5	
009	18	IAM-F6	HL	SM00001			8	36-11-61	D10984	2		2		
010	18		HL	SM00001			8	36-11-61	D10984	4		2		
011	18		HL	SM00001			8	36-11-61	D10984	6		2		
012	18		HL	SM00001			8	36-11-61	D10984	11		2		
014	18		HL	D04208P	9			36-11-61	SM00001		8	11		

Wire Bundle Assembly, 286T3510-043
Table 110 (Sheet 1)

71-51-01

WIRE				FROM EQUIPMENT				WIRING DIAGRAM MANUAL REFERENCE	TO EQUIPMENT				WIRE LENGTH	
NUMBER	G A G E	C O L O R	T Y P E	NUMBER	T E R M	T E R M	T Y P E		NUMBER	T E R M	T Y P E	S P L	F E E T	S E E N
015	18		HL	V00347	2	GW		36-11-61	SM00001		8		12	
017	18		HL	D04208P	10			36-11-61	V00347	1	GW	*	3	
018	18		HL	D04208P	11			36-11-61	V00347	3	GW	*	3	
019	18		HL	D04208P	12			79-31-11	D10992	1			8	10
020	18		HL	D04208P	13			79-31-11	D10992	2			8	10
021	18		HL	D04208P	14			79-31-11	D10992	3			8	10
022	18		HL	D04208P	15			74-31-11	D10978	B			10	11
023	18		HL	D06615	A..	GW		74-31-11	D10978	A			8	6
024	18		HL	D06591	D..	GW		79-35-11	D10974	2			8	11
025	18		HL	D06617	S..	GW		79-35-11	D10974	4			8	9
026	18		HL	D04208P	16			79-35-11	D10974	3			10	6
027	18		HL	D04208P	22			79-33-11	D10988	1			6	3
028	18		HL	D06591	D..	GW		79-33-11	D10988	2			6	1
029	18		HL	D06633	S..	GW		79-33-11	D10988	4			5	2
030	18		HL	D10998	1	DK		73-33-11	D04208P	25			12	3
031	18		HL	D10998	2	DK		73-33-11	D04208P	23			12	3

Wire Bundle Assembly, 286T3510-043
Table 110 (Sheet 2)

71-51-01

WIRE				FROM EQUIPMENT				WIRING DIAGRAM MANUAL REFERENCE	TO EQUIPMENT				WIRE LENGTH	
NUMBER	G A G E	C O L O R	T Y P E	NUMBER	T E R M	T E R M	T Y P E		NUMBER	T E R M	T E R M	T Y P E	F E E T	S E E N
032	18		HL	D10998	3	DK		73-33-11	D04208P	24		12	3	
033	18		HL	D10998	4	DK		73-33-11	GD06629	S..	GW	11	11	
034	18		HP	GD06627	S..	GW		73-31-11	D11000	4		6	8	
034Z				GD06627	DED			73-31-11	D11000	DED		6		
041	18		HL	D10992	4			79-31-11	GD06633	S..	GW	6	10	
042	16		HL	D04208P	8			MU-TL-I	GD06629	S..	GW	3	5	
043	16		HL	D04208P	20			MU-TL-I	GD06617	S..	GW	3	8	
044	18		HL	D04208P	29			36-11-61	V00347	3	GW	3		
045	18		HL	D04208P	30			36-11-61	V00347	1	GW	3		
302B	20		HR	D04208P	18			73-31-11	D11000	2		9	1	
302R	20		HR	D04208P	17			73-31-11	D11000	1		9		
302Y	20		HR	D04208P	19			73-31-11	D11000	3		9		
302Z				D04208P	=CC	M		73-31-11	D11000	DED		9		
			CBV-F2									9		

Wire Bundle Assembly, 286T3510-043
Table 110 (Sheet 3)

71-51-01

WIRE				FROM EQUIPMENT				WIRING DIAGRAM MANUAL REFERENCE	TO EQUIPMENT				WIRE LENGTH	
NUMBER	G A G E	C O L O R	T Y P E	NUMBER	T E R M	T E R M	T Y P E		NUMBER	T E R M	T E R M	T Y P E	F E E T	I N C H
P01 001	18		SJ HL	D10978 D04208P	1			36-11-61	D10984	1			11	7
002	18		HL	D04208P	2			36-11-61	D10984	3			11 S2A	
003	18		HL	D04208P	3			36-11-61	D10984	7			11 S2A	
004	18		HL	D04208P	4			36-11-61	D10984	8			11 S2A	
005	18		HL	D04208P	5			36-11-61	D10984	9			11 S2A	
006	18		HL	D04208P	6			36-11-61	D10984	5			11 S2A	
007	18		HL	D04208P	7			36-11-61	D10984	10			11 S2A	
008	18		HL	GD06627	S..	GW		36-11-61	D10984	12			12	5
009	18	IAM-F6	HL	SM00001			8	36-11-61	D10984	2			2 S2A	
010	18		HL	SM00001			8	36-11-61	D10984	4			2 S2A	
011	18		HL	SM00001			8	36-11-61	D10984	6			2 S2A	
012	18		HL	SM00001			8	36-11-61	D10984	11			2 S2A	
014	18		HL	D04208P	9			36-11-61	SM00001		8		11 S2A	

 Wire Bundle Assembly, 286T3510-044
 Table 111 (Sheet 1)

71-51-01

WIRE				FROM EQUIPMENT				WIRING DIAGRAM MANUAL REFERENCE	TO EQUIPMENT				WIRE LENGTH	
NUMBER	G A G E	C O L O R	T Y P E	NUMBER	T E R M	T E R M	T Y P E		NUMBER	T E R M	T E R M	T Y P E	F E E T	S E E P I N
015	18		HL	V00347	2	GW		36-11-61	SM00001		8		12	
017	18		HL	D04208P	10			36-11-61	V00347	1	GW	*	3	
018	18		HL	D04208P	11			36-11-61	V00347	3	GW	*	3	
019	18		HL	D04208P	12			79-31-11	D10992	1			8	10
020	18		HL	D04208P	13			79-31-11	D10992	2			8	10
021	18		HL	D04208P	14			79-31-11	D10992	3			8	10
022	18		HL	D04208P	15			74-31-11	D10978	B			10	11
023	18		HL	GD06615	A..	GW		74-31-11	D10978	A			8	6
024	18		HL	GD06591	D..	GW		79-35-11	D10974	2			8	11
025	18		HL	GD06617	S..	GW		79-35-11	D10974	4			8	9
026	18		HL	D04208P	16			79-31-11	D10974	3			10	6
027	18		HL	D04208P	22			79-33-11	D10988	1			6	3
028	18		HL	GD06591	D..	GW		79-33-11	D10988	2			6	1
029	18		HL	GD06633	S..	GW		79-33-11	D10988	4			5	2
030	18		HL	D10998	1	DK		73-33-11	D04208P	25			12	3
031	18		HL	D10998	2	DK		73-33-11	D04208P	23			12	3

Wire Bundle Assembly, 286T3510-044
Table 111 (Sheet 2)

71-51-01

WIRE				FROM EQUIPMENT				WIRING DIAGRAM MANUAL REFERENCE	TO EQUIPMENT				WIRE LENGTH	
NUMBER	G A G E	C O L O R	T Y P E	NUMBER	T E R M	T E R M	T Y P E		NUMBER	T E R M	T E R M	T Y P E	F E E T	S E E N
032	18		HL	D10998	3	DK		73-33-11	D04208P	24			12	3
033	18		HL	D10998	4	DK		73-33-11	GD06629	S..	GW		11	11
034	18		HP	GD06627	S..	GW		73-31-11	D11000	4			6	8
034Z				GD06627	DED			73-31-11	D11000	DED			S2A	
041	18		HL	D10992	4			79-31-11	GD06633	S..	GW		6	10
042	16		HL	D04208P	8			MU-TL-I	GD06629	S..	GW		3	5
043	16		HL	D04208P	20			MU-TL-I	GD06617	S..	GW		3	8
044	18		HL	D04208P	29			36-11-61	V00347	3	GW	*	3	
045	18		HL	D04208P	30			36-11-61	V00347	1	GW	*	3	
302B	20		HR	D04208P	18			73-31-11	D11000	2			9	1
302R	20		HR	D04208P	17			73-31-11	D11000	1			S2A	
302Y	20		HR	D04208P	19			73-31-11	D11000	3			S2A	
302Z				D04208P	=CC	G3		73-31-11	D11000	DED			S2A	
													S2A	

 Wire Bundle Assembly, 286T3510-044
 Table 111 (Sheet 3)

71-51-01

WIRE				FROM EQUIPMENT				WIRING DIAGRAM MANUAL REFERENCE	TO EQUIPMENT				WIRE LENGTH	
NUMBER	G A G E	C O L O R	T Y P E	NUMBER	T E R M	T E R M	T Y P E		NUMBER	T E R M	T E R M	T Y P E	F E E T	I N C H
P01			SJ	TS0682								5		
P02			SJ	TS0682								10		
P03			SJ	TS0682								5		
P04			SJ	TS0682								10		
S01			SZ	D04154P								1	3	
	HBC-F2													
400R	16		9P	D04154P	4			26-11-22	TS0684	C	G3	5	3	
451R	16		9P	D04154P	1			26-11-22	TS0684	A	GW	5	3	
501R	16		9P	D04154P	3			26-11-21	TS0681	C	G3	12	7	
502R	16		9P	TS0681	C	G3	*	26-11-21	TS0682	C	G3	5		
503R	16		9P	TS0682	C	G3	*	26-11-21	TS0683	C	G3	10		
504R	16		9P	D04154P	2			26-11-21	TS0681	A	GW	12	7	
505R	16		9P	TS0681	A	GW	*	26-11-21	TS0682	A	GW	5		
506R	16		9P	TS0682	A	GW	*	26-11-21	TS0683	A	GW	10		

Wire Bundle Assembly, 286T3520-041, -045, -047
Table 112

71-51-01

WIRE				FROM EQUIPMENT				WIRING DIAGRAM MANUAL REFERENCE	TO EQUIPMENT				WIRE LENGTH	
NUMBER	G A G E	C O L O R	T Y P E	NUMBER	T E R M	T E R M	T Y P E		NUMBER	T E R M	T E R M	T Y P E	F E E T	S E E P I N
001	18		HL	D04216P	4			24-11-11	D10966	4			9	3
002	18		HL	G06585	D..	GW		24-11-11	D10966	6			S2 7	6
003	18		HL	D04216P	16			24-11-11	D10964	9			S2 10	11
004	18		HL	D04216P	17			24-11-11	D10964	11			S2 10	11
005	18		HL	G06585	D..	GW		24-11-11	D10964	10			S2 9	2
006	18		HL	G06617	S..	GW		24-11-11	D10964	12			S2 9	
007	20		HP	D04216P	21			24-11-11	D11536	B			S2 8	6
007Z				D04216P	DED			24-11-11	D11536	DED			S2	
008	20		HP	G06583	D..	GW		24-11-11	D11046	G			S2 7	2
008Z				D11046	DED			24-11-11	G06583	DED			S2	
009	20		HP	G06583	D..	GW		24-11-11	D11046	F			S2 7	2
009Z				D11046	DED			24-11-11	G06583	DED			S2	
010	20		HP	D11046	E			24-11-11	D04216P	22			S2 10	1
010Z				D11046	DED			24-11-11	D04216P	DED			S2	
011	20		HP	G06583	D..	GW		24-11-11	D11046	A			S2 7	2
011Z				D11046	DED			24-11-11	G06583	DED			S2	
012	20		HP	D11046	B			24-11-11	D04216P	27			S2 10	1
012Z				D11046	DED			24-11-11	D04216P	DED			S2 S2	

Wire Bundle Assembly, 286T3538-042
Table 113 (Sheet 1)

71-51-01

WIRE				FROM EQUIPMENT				WIRING DIAGRAM MANUAL REFERENCE	TO EQUIPMENT				WIRE LENGTH	
NUMBER	G A G E	C O L O R	T Y P E	NUMBER	T E R M	T E R M	T Y P E		NUMBER	T E R M	T E R M	T Y P E	F E E T	S E E P I N
013	20		HP	D04216P	28			24-11-11	D11536	C		8	6	
013Z				D04216P	DED			24-11-11	D11536	DED		S2		
014	20		HP	GD06619	S..	GW		24-11-11	D11046	J		7		
014Z				D11046	DED			24-11-11	GD06619	DED		S2		
015	18		HL	D04216P	23			24-11-11	D10966	7		9	3	
016	18		HL	D04216P	24			24-11-11	D10966	8		9	3	
017	20		HP	D11536	A			24-11-11	D11046	H		7	11	
017Z				D11536	DED			24-11-11	D11046	DED		S2		
201B	18		HQ	D04216P	1			24-11-11	D10966	1		9	3	
201R	18		HQ	D04216P	2			24-11-11	D10966	2		S2		
210Z				D04216P	3			24-11-11	D10966	DED		S2		
202B	18		HQ	D04216P	5			24-21-11	D10966	9		9	3	
202R	18		HQ	D04216P	6			24-21-11	D10966	10		S2		
202Z				D04216P	7			24-21-11	D10966	DED		S2		
203B	18		HM	D04216P	12			24-11-11	D10964	4		10	11	
203R	18		HM	D04216P	13			24-11-11	D10964	5		S2		
204B	18		HM	D04216P	14			24-11-11	D10964	6		10	11	
204R	18		HM	D04216P	15			24-11-11	D10964	7		S2		
301B	18		HN	D04216P	18			24-21-11	D10964	1		10	11	
												S2		

Wire Bundle Assembly, 286T3538-042
Table 113 (Sheet 2)

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WIRE				FROM EQUIPMENT				WIRING DIAGRAM MANUAL REFERENCE	TO EQUIPMENT				WIRE LENGTH	
NUMBER	G A L E	C O L O R	T Y P E	NUMBER	T E R M	T E R M	T Y P E		NUMBER	T E R M	T E R M	T Y P E	F E E T	S E E P I N
301R	18		HN	D04216P	19			24-21-11	D10964	2			S2	
301Y	18		HN	D04216P	20			24-21-11	D10964	3			S2	
401B	18		HT	D04216P	8			24-21-11	D10966	12			9 S2	3
401G	18		HT	D04216P	11			24-21-11	D10966	3				
401R	18		HT	D04216P	9			24-21-11	D10966	13			S2	
401Y	18		HT	D04216P	10			24-21-11	D10966	14			S2	

Wire Bundle Assembly, 286T3538-042
 Table 113 (Sheet 3)

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REPAIR

1. Materials

NOTE: Equivalent substitutes may be used.

- A. Lockwire -- MS20995
- B. Heat shrinkable Sleeving -- Thermofit RT-876 (size as required), Raychem Corp, 300 Constitute Drive, Menlo Park, CA 94025.
- C. Varglas non-fray type H0 or HP sleeving (Varflex Corporation, 512 W. Court Street, Rome, New York 13440).
- D. TFE-2X sleeving (Chemplast Inc. Div. of Norton Co. 77 Powder Mill Road P.O. Box 69, Acton, Ma. 01720-5908).

2. The wire separation codes typically contains characters -- the functional separation code (for first digit, see Table 601 for the definition), the EMC (electromagnetic compatibility) separation code (second digit) and the sub-functional separation code (third digit).

A. Functional Separation Code

- (1) Each wire harness shall be color coded to identify its functional separation code. A fabricating wire harness shall accomplish color-coding with colored typing material as shown in Table 601.

SEPARATION CODE	TYPING MATERIAL COLOR
L	Red
R	Green
C	Yellow
A	Orange
S	Blue
N	White
H	Purple

Functional Separation Codes
Table 601

B. EMC Separation Code

C. The EMC separation code has three basic separation codes:

- (1) Code 1 for circuit contains the noisy, interference wiring.
- (2) Code 2 for all the wiring that satisfies the conditions of EMC.
- (3) Code 3 for the sensitive, susceptible circuits.

D. Sub-Functional Separation Code

- (1) Some more separation may be necessary within a functional separation code because of special system functional condition. Decisions for sub-functional are made in relation to the system.

NOTE: Sub-Functional separations code category "A" cannot be routed together with category "B".

3. To repair the unit, you can use the standard industry practices and the procedures in 71-00-20 unless shown below.

A. When you replace damaged wires, use the wire length as specified on the wire bundle assembly figure (or use the existing wire to find the length of replacement). Measure the extra wire length and cut to the necessary length after installation.

- (1) A minimum spacing of one-quarter inch must be maintained between bundle categories labeled in the Wire Bundle Assembly, Table 102 thru 113. Separators (63-9273-2) or Varglas sleeving or teflon TFE-2X sleeving may be used to assure proper spacing. The color-coded of the wire bundle separation is: S (Blue).
- (2) Use wire size and identification as specified on the wire bundle assembly figure. All wires must be permanently and legible marked with applicable numbers.

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- (3) Replace all damaged terminals and connectors per SOPM 20-11-02, 20-11-03.
- (4) Replace the wire bundle tags as follow:
 - (a) Imprint, using IBM black ribbon P/N 1356000, the complete wire bundle part number and dash number on the identification sleeve, RT-876 BLUE or marking the wire bundle identification per SWPM (Standard Wiring Practices Manual) 20-10-11.
 - (b) Two methods can be used to install the bundle tag:
 - 1) Method 1: Install the identification sleeve RT-876 BLUE over the wire bundle by shrinking sleeve per SOPM 20-11-03.

NOTE: Do not locate the sleeving over the bundle ties.
 - 2) Method 2: Use bundle tie wrap, tightly wrapped around both ends of identification sleeve RT-876 BLUE.
- B. When you replace connector D04230P, D04232P, D04208P, D04254P, D04216P, install contacts with stub wires in all unused connector contact cavities per repair 3-1, 71-00-20. Install insulation build-up sleeve, if required, on all wires in this connector per repair 3-1, para. 4, 71-00-20.
- C. When you replace backshell D08316PQ, clock the backshell at 12:00 o'clock per SOPM 20-11-02.
- D. When you replace backshell D10964T or the connector D10966, clock the backshells at 11:00 o'clock per SOPM 20-11-02.
- E. When you replace backshell D10970T, clock the backshell at 9:00 o'clock per 20-11-02.

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- F. When you replace connector D04224P, D08312, D08316P, D08320P, D08330P, D08336P, D08346P, D08350P, D08370P, D10964, D10966, D10970, D10974, D10976, D10978, D10982, D10984, D10988, D10992, D10994, D10996, D10998, D11000, D11046, D11114, D11116, D11686, D12280, D12282, D15802J, or D15802P, install spare contacts and seal plugs in all unused connector contact cavities, as required, per repair 3-1, 71-00-20. Install insulation build-up sleeves, if required, on all wires in this connector per repair 3-1, para. 4, 71-00-20.
- G. When you replace connector D04224PQ, D08316PQ, D08320PQ, D08330PQ, D08336PQ, D08346PQ, D08350PQ, D08360PQ, D08370PQ, D11114T, D11686T, D12280T, D12282T, D15802JK, or D15802PQ, lockwire connector strain relief clamp screw per repair 6-1, 71-00-20.
- H. When you replace connector D08312, make first end SMOO assembly within 7.00 ±0.5 inches from the face of the contact to the center of the splice assembly.
- I. When you replace backshell D10984T, make first end SMOO assembly within 8.00 ±0.5 inches from the face of the contact to the center of the splice assembly.
- J. When you replace backshell D11114T, clock the backshell at 5:00 o'clock per SOPM 20-11-02.
- K. When you replace backshells D10984T or D10988T, clock the backshell at 6:00 o'clock per SOPM 20-11-02.
- L. When you replace backshell D08312T, clock the backshell at 1:00 o'clock per SOPM 20-11-02.
- M. When you replace backshell D11116T, clock the backshell at 10:00 o'clock per SOPM 20-11-02.

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N. When you replace connector D15802J, bond the connector per SOPM 20-11-03.

NOTE: Before you bond, clean the connector flange per SOPM 20-11-03, method CM3.

O. When you replace the color tape bundle, use the following P/N:

<u>BOEING P/N</u>	<u>*[1] TYCO P/N</u>	<u>COLOR</u>
BACT19E-T2	TTVF6004RD2.5	RED
BACT19E-T4	TTVF6004YW2.5	YELLOW
BACT19E-T5	TTVF6004GN2.5	GREEN
BACT19E-T6	TTVF6004BE2.5	BLUE
BACT19E-T7	TTVF6004VT2.5	VIOLET
BACT19E-T7A	TTVF6004PK2.5	PINK
BACT19E-T9	TTVF6004WE2.5	WHITE

*[1] Tyco Electronics
Critchley, 76
140 Commercial Way
East Providence, RI 02914

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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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VENDORS

V06324 GLENAIR INC
1211 AIR WAY
GLENDALE, CALIFORNIA 91201-2497

V14283 MATRIX SCIENCE CORPORATION
455 MAPLE AVENUE
TORRANCE, CALIFORNIA 90503-3807

V71468 ITT CANNON DIV OR ITT CORP
666 EAST DYER ROAD
SANTA ANA, CALIFORNIA 92702

V96906 MILITARY STANDARDS PROMULGATED BY MILITARY
DEPARTMENT UNDER AUTHORITY OF DEFENSE
STANDARDIZATION MANUAL 4120 3-M

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REFERENCE DESIGNATOR INDEX (SEE SCHEMATIC DIAGRAM)		
REFERENCE DESIGNATOR	PART NUMBER	FIG-ITEM
D04154P	BACC63BR14B7P6L	6-5
D04154PQ	BACC10KA14	6-10A
D04208P	BACC63BR24D30P6L	5-5
D04208PQ	BACC10KA24	5-10A
D04216P	BACC63BR24B30P8L	7-5
D04216PQ	BACC10KA24	7-10A
D04224P	BACC63BP28C42P6	1-5A
D04224PQ	BACC10KD28	1-10A
D04230P	BACC63BR22B19PNL	3-5
D04230PQ	BACC10KA22	3-10A
D04232P	BACC63BR28B42PNL	4-5
D04232PQ	BACC10KA28	4-10A
D08312	BACC63BR18B14SNL	3-15
D08312TQ	BACC10KB18	3-20A
D08316P	BACC63BP12D3SN	2-5A
D08316P	BACC63BP12D3SNL	2-5
D08316PQ	BACC10KB12	2-10A
D08320P	BACC63BP28C42P7L	2-15
D08320P	BACC63BP28C42P7	2-15A
D08320PQ	BACC10KD28	2-20A
D08330P	BACC63BP22D19S6L	2-25
D08330P	BACC63BP22D19S6	2-25A
D08330PQ	BACC10KA22	2-30A
D08336P	BACC63BP22C19PNL	2-35
D08336P	BACC63BP22C19PN	2-35A
D08336PQ	BACC10KD22	2-40A
D08346P	BACC63BP22D19SN	1-15A
D08346PQ	BACC10KA22	1-20A
D08350P	BACC63BP18C14PN	1-25A
D08350PQ	BACC10KD18	1-30A
D08360P	BACC63BP18C14P6L	2-45
D08360P	BACC63BP18C14P6	2-45A
D08360PQ	BACC10KD18	2-50A
D08370P	BACC63BP24D30SN	1-35
D08370PQ	BACC10KA24	1-40A
D10964	BACC63BP18B14S6L	7-15
D10964T	BACC10KB18	7-20A
D10966	BACC63BP18B14SNL	7-25
D10966T	BACC10KB18	7-30A
D10970	BACC63BP14A7SNL	3-25
D10970T	BACC10KE14	3-30A

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REFERENCE DESIGNATOR INDEX (SEE SCHEMATIC DIAGRAM)		
REFERENCE DESIGNATOR	PART NUMBER	FIG-ITEM
D10974	BACC63BP14B7S7L	5-15
D10974T	BACC10KA14	5-20A
D10976	FVA6E12S3S08	4-15
D10978	FVA6E12S3S08	5-25
D10980	MT37K1203S714	4-20
D10980T	BACC10KA12	4-25A
D10982	BACC63BP10B5S6L	4-30
D10982T	BACC10KA10	4-35A
D10984	BACC63BP18B14SNL	5-30
D10984T	BACC10KB18	5-35A
D10988	BACC63BP14B7S8L	5-40
D10988T	BACC10KB14	5-45A
D10992	BACC63BP14B7S6L	5-50
D10992T	BACC10KA14	5-55A
D10994	VMCG505M3-01	2-55
D10996	42839KS14S07S190	4-40A
D10996	FVF6E14S7S01	4-40
D10998	BACC63BP10B5S6L	5-60
D10998T	BACC10KA10	5-65A
D11000	BACC63BP10B5SNL	5-70
D11000T	BACC10KA10	5-75A
D11046	D38999/26KC98SN	7-35
D11046T	G8801S13	7-40
D11114	D38999/26KG41PC	1-45
D11114T	G8802S21	1-50
D11116	BACC63BP14B7SNL	4-45
D11116T	BACC10KB14	4-50A
D11536	D38999/26KA98SN	7-45
D11536T	G8801S19	7-50
D11686	D38999/26KG41PN	2-60
D11686T	G8801S21	2-65
D12280	D38999/26KC98SN	1-55
D12286T	G8801S13	1-60
D12282	D38999/26KC98SA	2-70
D12282T	G8801S13	2-75
D15802J	BACC63BV14F7PN	2-80
D15802JK	BACC10KD14	2-85A
D15802P	BACC63BP14C7SNL	1-65
D15802PQ	BACC10KD14	1-70A

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PART NUMBER	AIRLINE PART NO.	FIG.	ITEM	TTL REQ
BACC10HD10		4	35	
BACC10HD10A		5	65	
		5	75	
BACC10HD12A		4	25	
BACC10HD14A		5	20	
		5	55	
		6	10	
BACC10HD22A		1	20	
		2	30	
		3	10	
BACC10HD24A		1	40	
		5	10	
		7	10	
BACC10HD28A		4	10	
BACC10HE12A		2	10	
BACC10HE14A		4	50	
		5	45	
BACC10HE18A		3	20	
		5	35	
		7	20	
		7	30	
BACC10HF14C		1	70	
		2	85	
BACC10HF18C		1	30	
		2	50	
BACC10HF22C		2	40	
BACC10HF28C		1	10	
		2	20	
BACC10HG14A		3	30	
BACC10KA10		4	35A	1
		5	65A	1
		5	75A	1

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PART NUMBER	AIRLINE PART NO.	FIG.	ITEM	TTL REQ
BACC10KA12		4	25A	1
BACC10KA14		5	20A	1
		5	55A	1
		6	10A	1
BACC10KA22		1	20A	1
		2	30A	1
		3	10A	1
BACC10KA24		1	40A	1
		5	10A	1
		7	10A	1
BACC10KA28		4	10A	1
BACC10KB12		2	10A	1
BACC10KB14		4	50A	1
		5	45A	1
BACC10KB18		3	20A	1
		5	35A	1
		7	20A	1
		7	30A	1
BACC10KD14		1	70A	1
		2	85A	1
BACC10KD18		1	30A	1
		2	50A	1
BACC10KD22		2	40A	1
BACC10KD28		1	10A	1
		2	20A	1
BACC10KE14		3	30A	1
BACC63BP10B5SNL		5	70	1
BACC63BP10B5S6L		4	30	1
BACC63BP12D3SN		2	5A	1
BACC63BP12D3SNL		2	5	1
BACC63BP14A7SNL		3	25	1
BACC63BP14B7SNL		4	45	1
BACC63BP14B7S6L		5	50	1
BACC63BP14B7S7L		5	15	1
BACC63BP14C7SN		1	65A	1
BACC63BP14C7SNL		1	65	1

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PART NUMBER	AIRLINE PART NO.	FIG.	ITEM	TTL REQ
BACC63BP18B14		5	30	1
		7	15	1
		7	25	1
BACC63BP18C14		1	25	
		1	25A	1
		2	45	1
		2	45A	1
BACC63BP22C19		2	35	1
		2	35A	1
BACC63BP22D19		1	15	
		1	15A	1
		2	25	1
		2	25A	1
BACC63BP24D30		1	35	
		1	35A	1
BACC63BP28C42		1	5	
		1	5A	1
		2	15	1
		2	15A	1
BACC63BR14B7P6L		6	5	1
BACC63BR18B14		3	15	1
BACC63BR22B19		3	5	1
BACC63BR24B30		7	5	1
BACC63BR24D30		5	5	1
BACC63BR28B42		4	5	1
BACC63BV14F7PN		2	80	1
BACC63P10B5S6L		5	60	1
BACC63P14B7S8L		5	40	1
D38999/26KA98SN		7	45	1
D38999/26KC98		7	35	1
D38999/26KC98SA		2	70	1
D38999/26KC98SN		1	55	1
D38999/26KG41PC		1	45	1
D38999/26KG41PN		2	60	1
FVA6E12S-3S08		5	25	1
FVA6E12S3S08		4	15	1
FVF6E14S7S01		4	40	1
G8801S13		1	60	1
		2	75	1
		7	40	1
G8801S21		2	65	1
G8801S9		7	50	1
G8802S21		1	50	1
MT37K1203S714		4	20	1
VMCG505M3-01		2	55	1
286T3502-044		1	1	RF
286T3504-056		2	1	RF

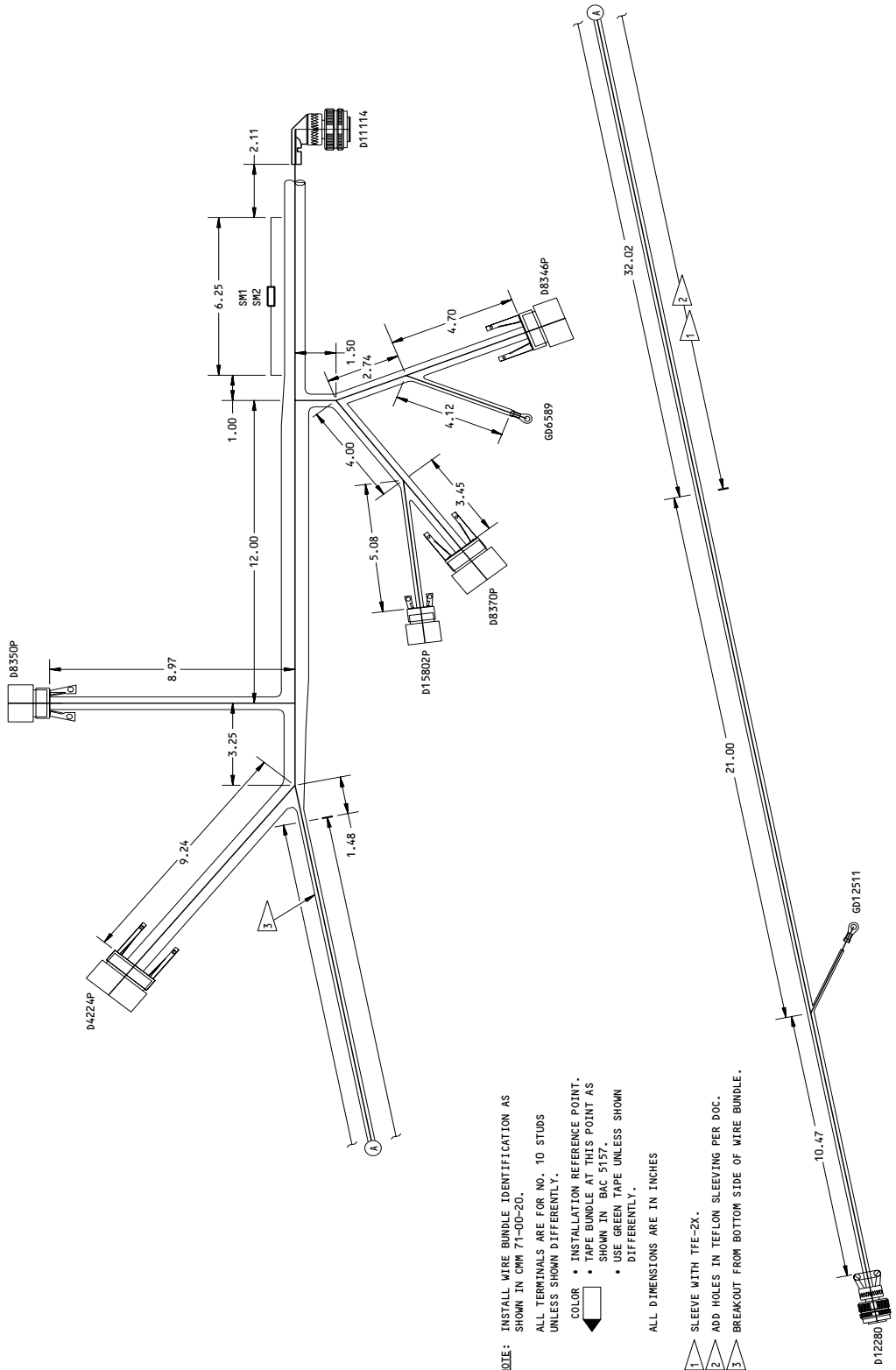
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PART NUMBER	AIRLINE PART NO.	FIG.	ITEM	TTL REQ
286T3504-059		2	1A	RF
286T3504-060		2	1B	RF
286T3506-045		3	1	RF
286T3506-050		3	1A	RF
286T3506-053		3	1B	RF
286T3508-044		4	1	RF
286T3508-051		4	1A	RF
286T3510-043		5	1	RF
286T3510-044		5	1A	RF
286T3520-041		6	1A	RF
286T3520-045		6	1A	RF
286T3520-047		6	1B	RF
286T3538-042		7	1	RF
42839KS14S07S		4	40A	1

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286T3502
 Engine Instrument Wire Bundle
 Figure 1

NOTE: INSTALL WIRE BUNDLE IDENTIFICATION AS SHOWN IN CMM 71-00-20.

ALL TERMINALS ARE FOR NO. 10 STUDS UNLESS SHOWN DIFFERENTLY.

- INSTALLATION REFERENCE POINT.
- TAPE BUNDLE AT THIS POINT AS SHOWN IN BAC 5157.
- USE GREEN TAPE UNLESS SHOWN DIFFERENTLY.

ALL DIMENSIONS ARE IN INCHES

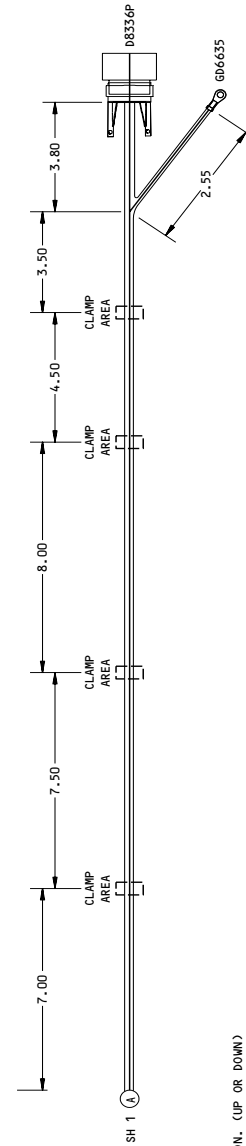
- 1 SLEEVE WITH TFE-2X.
- 2 ADD HOLES IN TEFLON SLEEVING PER DOC.
- 3 BREAKOUT FROM BOTTOM SIDE OF WIRE BUNDLE.

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FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
01-					
-1	286T3502-044		ENGINE-EEC,SCU,AUTOSTART		RF
-5	BACC63BP28C42 P6L		DELETED		
-5A	BACC63BP28C42 P6		.CONNECTOR (D04224P)		1
-10	BACC10HF28C		DELETED		
-10A	BACC10KD28		.CLAMP (D04224PQ)		1
-15	BACC63BP22D19 SNL		DELETED		
-15A	BACC63BP22D19 SN		.CONNECTOR (D08346P)		1
-20	BACC10HD22A		DELETED		
-20A	BACC10KA22		.CLAMP (D08346PQ)		1
-25	BACC63BP18C14 PNL		DELETED		
-25A	BACC63BP18C14 PN		.CONNECTOR (D08350P)		1
-30	BACC10HF18C		DELETED		
-30A	BACC10KD18		.CLAMP (D08350PQ)		1
-35	BACC63BP24D30 SNL		DELETED		
-35A	BACC63BP24D30 SN		.CONNECTOR (D08370P)		1
-40	BACC10HD24A		DELETED		
-40A	BACC10KA24		.CLAMP (D08370PQ)		1
-45	D38999/26KG41PC		.CONNECTOR (V96906)(D11114)		1
-50	G8802S21		.CLAMP (V96906)(D11114T)		1
-55	D38999/26KC98SN		.CONNECTOR (V06324)(D12280)		1
-60	G8801S13		.CLAMP (V06324)(D12280T)		1
-65	BACC63BP14C7SNL		DELETED		
-65A	BACC63BP14C7SN		.CONNECTOR (D15802P)		1
-70	BACC10HF14C		DELETED		
-70A	BACC10KD14		.CLAMP (D15802PQ)		1

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NOTE: INSTALL WIRE BUNDLE IDENTIFICATION AS SHOWN IN CMM 71-00-20.
 ALL TERMINALS ARE FOR NO. 10 STUDS UNLESS SHOWN DIFFERENTLY.

- COLOR
- INSTALLATION REFERENCE POINT.
- TAPE BUNDLE AT THIS POINT AS SHOWN IN BAC 5157.
- USE GREEN TAPE UNLESS SHOWN DIFFERENTLY.

ALL DIMENSIONS ARE IN INCHES

- 1 MULTIPLE LOCATION: SEE ACL
- 2 STAKE BOTTOM LUG FACE DOWN.
- 3 NO MORE THAN (2) LUGS STAKED IN EITHER DIRECTION. (UP OR DOWN)
- 4 BAG AND SECURE WASHER TO THE CONNECTOR. WASHER TO BE INSTALLED IN FINAL ASSY.

286T3504
 Engine Instrument Wire Bundle
 Figure 2 (Sheet 2)

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FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
02-					
-1	286T3504-056		.ENGINE-EEC,AVM,AUTOSTART	A	RF
-1A	286T3504-059		.ENGINE-EEC,AVM,AUTOSTART	B	RF
-1B	286T3504-060		.ENGINE-EEC,AVM,AUTOSTART	C	RF
-5	BACC63BP12D3SNL		.CONNECTOR (D08316P)	A,C	1
-5A	BACC63BP12D3SN		.CONNECTOR (D08316P)	B	1
-10	BACC10HE12A		DELETED		
-10A	BACC10KB12		.CLAMP (D08320PQ)		1
-15	BACC63BP28C42 P7L		.CONNECTOR (D08320P)	A,C	1
-15A	BACC63BP28C42 P7		.CONNECTOR (D08320P)	B	1
-20	BACC10HF28C		DELETED		
-20A	BACC10KD28		.CLAMP (D08320PQ)		1
-25	BACC63BP22D19 S6L		.CONNECTOR (D08330P)	A,C	1
-25A	BACC63BP22D19 S6		.CONNECTOR (D08330P)	B	1
-30	BACC10HD22A		DELETED		
-30A	BACC10KA22		.CLAMP (D08330PQ)		1
-35	BACC63BP22C19 PNL		.CONNECTOR (D08336P)	A,C	1
-35A	BACC63BP22C19 PN		.CONNECTOR (D08336P)	B	1
-40	BACC10HF22C		DELETED		
-40A	BACC10KD22		.CLAMP (D08360PQ)		
-45	BACC63BP18C14 P6L		.CONNECTOR (D08360P)	A,C	1
-45A	BACC63BP18C14 P6		.CONNECTOR (D08360P)	B	1
-50	BACC10HF18C		DELETED		
-50A	BACC10KD18		.CLAMP (D08360PQ)		1
-55	VMCG505M3-01		.CONNECTOR (D10994)		1
-60	D38999/26KG41PN		.CONNECTOR (V96906)(D11686)		1

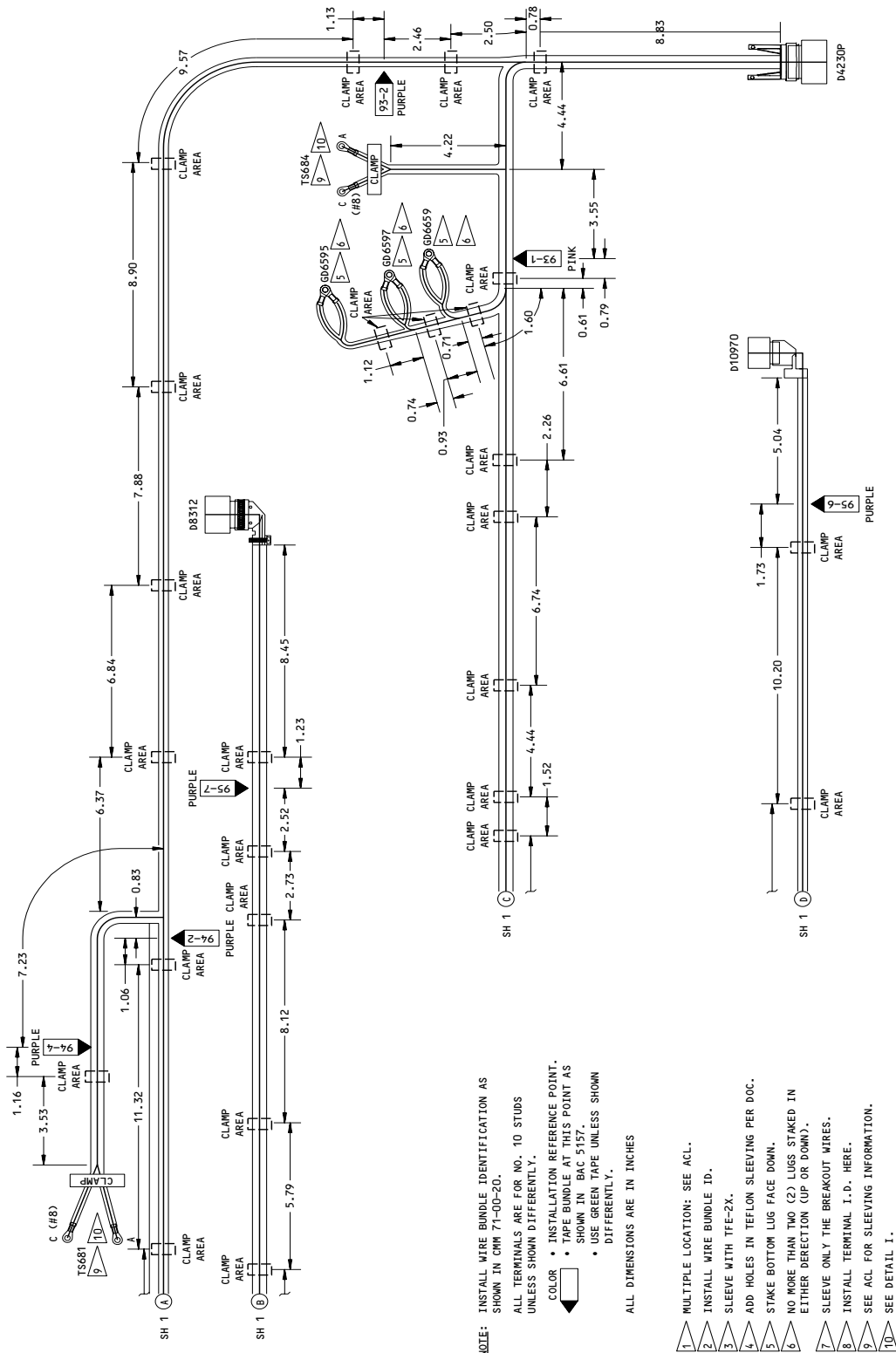
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FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
02- -65	G8801S21		. CLAMP (V96906)(D11686T)		1
-70	D38999/26KC98SA		. CONNECTOR (V06324)(D12282)		1
-75	G8801S13		. CLAMP (V06324)(D12282T)		1
-80	BACC63BV14F7PN		. CONNECTOR (D15802J)		1
-85 -85A	BACC10HF14C BACC10KD14		DELETED . CLAMP (D15802JK)		1

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NOTE: INSTALL WIRE BUNDLE IDENTIFICATION AS SHOWN IN CMM 71-00-20.
 ALL TERMINALS ARE FOR NO. 10 STUDS UNLESS SHOWN DIFFERENTLY.
 COLOR
 * INSTALLATION REFERENCE POINT.
 * TAPE BUNDLE AT THIS POINT AS SHOWN IN BAC 5157.
 * USE GREEN TAPE UNLESS SHOWN DIFFERENTLY.

ALL DIMENSIONS ARE IN INCHES

- 1 MULTIPLE LOCATION: SEE ACL.
- 2 INSTALL WIRE BUNDLE ID.
- 3 SLEEVE WITH TFE-2X.
- 4 ADD HOLES IN TEFLON SLEEVING PER DOC.
- 5 STAKE BOTTOM LUG FACE DOWN.
- 6 NO MORE THAN TWO (2) LUGS STAKED IN EITHER DIRECTION (UP OR DOWN).
- 7 SLEEVE ONLY THE BREAKOUT WIRES.
- 8 INSTALL TERMINAL I.D. HERE.
- 9 SEE ACL FOR SLEEVING INFORMATION.
- 10 SEE DETAIL 1.

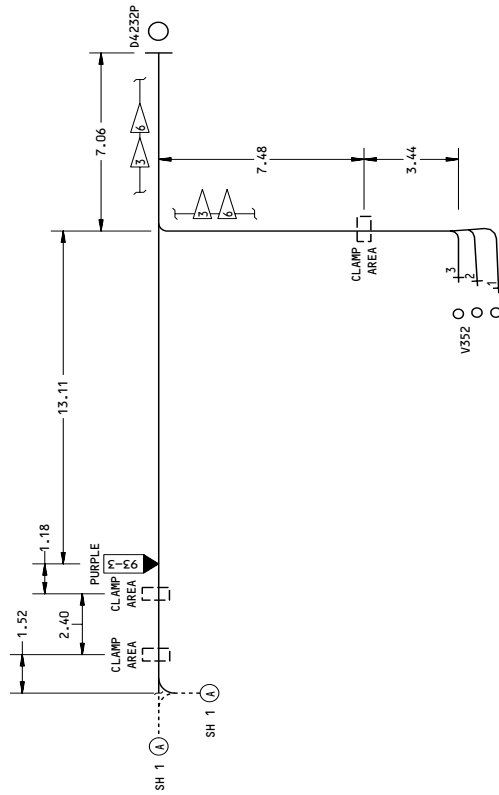
286T3506
 Engine Instrument Wire Bundle
 Figure 3 (Sheet 2)

71-51-01

FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
03- -1	286T3506-045		ENGINE-S2A-ENG INSTR & FIRE DETECTION	A	RF
-1A	286T3506-050		ENGINE-S2A-ENG INSTR & FIRE DETECTION	B	RF
-1B	286T3506-053		ENGINE-S2A-ENG INSTR & FIRE DETECTION	C	RF
-5	BACC63BR22B19 PNL		.CONNECTOR (D04230P)		1
-10	BACC10HD22A		DELETED		
-10A	BACC10KA22		.CLAMP (D04230PQ)		1
-15	BACC63BR18B14 SNL		.CONNECTOR (D08312)		1
-20	BACC10HE18A		DELETED		
-20A	BACC10KB18		.CLAMP (D08312T)		1
-25	BACC63BP14A7SNL		.CONNECTOR (D10970)		1
-30	BACC10HG14A		DELETED		
-30A	BACC10KE14		.CLAMP (D10970T)		1

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NOTE: INSTALL WIRE BUNDLE IDENTIFICATION AS SHOWN IN CHM 71-00-20.

ALL TERMINALS ARE FOR NO. 10 STUDS UNLESS SHOWN DIFFERENTLY.

- COLOR
- INSTALLATION REFERENCE POINT.
 - TAPE BUNDLE AT THIS POINT AS SHOWN IN BAC 5157.
 - USE GREEN TAPE UNLESS SHOWN DIFFERENTLY.

ALL DIMENSIONS ARE IN INCHES

- 1 MULTIPLE LOCATION: SEE AGL
- 2 INSTALL WIRE BUNDLE IDENTIFICATION
- 3 SLEEVE WITH TFE-2X
- 4 STAKE BOTTOM LUG FACE DOWN
- 5 NO MORE THAN TWO (2) LUGS STAKED IN EITHER DIRECTION (UP OR DOWN)
- 6 DO NOT PERFORATE SLEEVING

286T3508
 Engine Instrument Wire Bundle
 Figure 4 (Sheet 2)

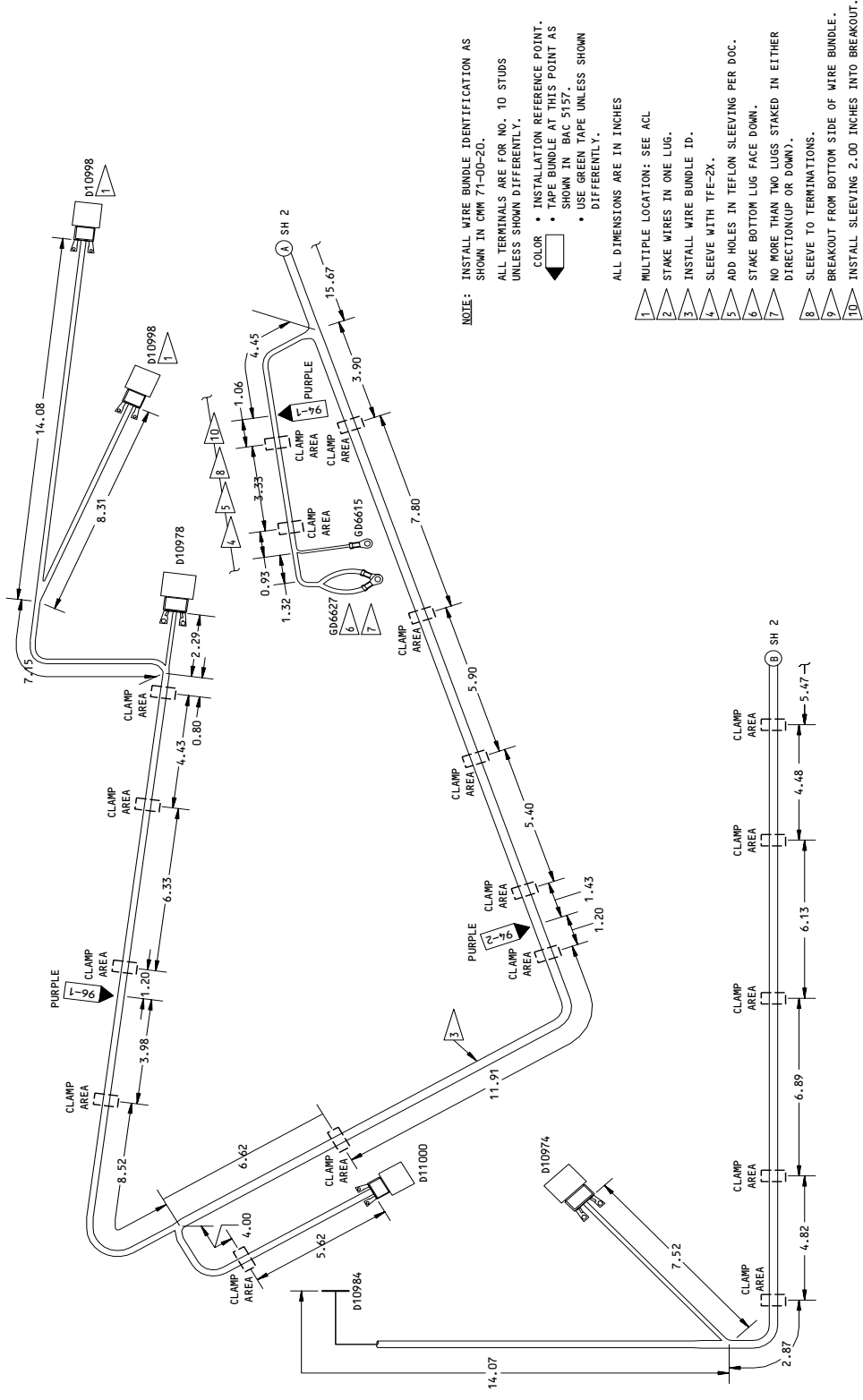
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ILLUSTRATED PARTS LIST
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FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
04-					
-1	286T3508-044		ENGINE-ENG INSTR	A	RF
-1A	286T3508-051		ENGINE-ENG INSTR	B	RF
-5	BACC63BR28B42 PNL		.CONNECTOR (D04232P)		1
-10	BACC10HD28A		DELETED		
-10A	BACC10KA28		.CLAMP (D04232PQ)		1
-15	FVA6E12S3S08		.CONNECTOR (V71468)(D10976)		1
-20	MT37K1203S714		.CONNECTOR (D10980)		1
-25	BACC10HD12A		DELETED		
-25A	BACC10KA12		.CLAMP (D10980T)		1
-30	BACC63BP10B5S6L		.CONNECTOR (D10982)		1
-35	BACC10HD10		DELETED		
-35A	BACC10KA10		.CONNECTOR (D10982T)		1
-40	FVF6E14S7S01		.CONNECTOR (V71468)(D10996)	A	1
-40A	42839KS14S07S 190		.CLAMP (V14283)(D10996)	B	1
-45	BACC63BP14B7SNL		.CONNECTOR (D11116)		1
-50	BACC10HE14A		DELETED		
-50A	BACC10KB14		.CLAMP (D11116T)		1

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NOTE: INSTALL WIRE BUNDLE IDENTIFICATION AS SHOWN IN CMM 71-00-20.
 ALL TERMINALS ARE FOR NO. 10 STUBS UNLESS SHOWN DIFFERENTLY.

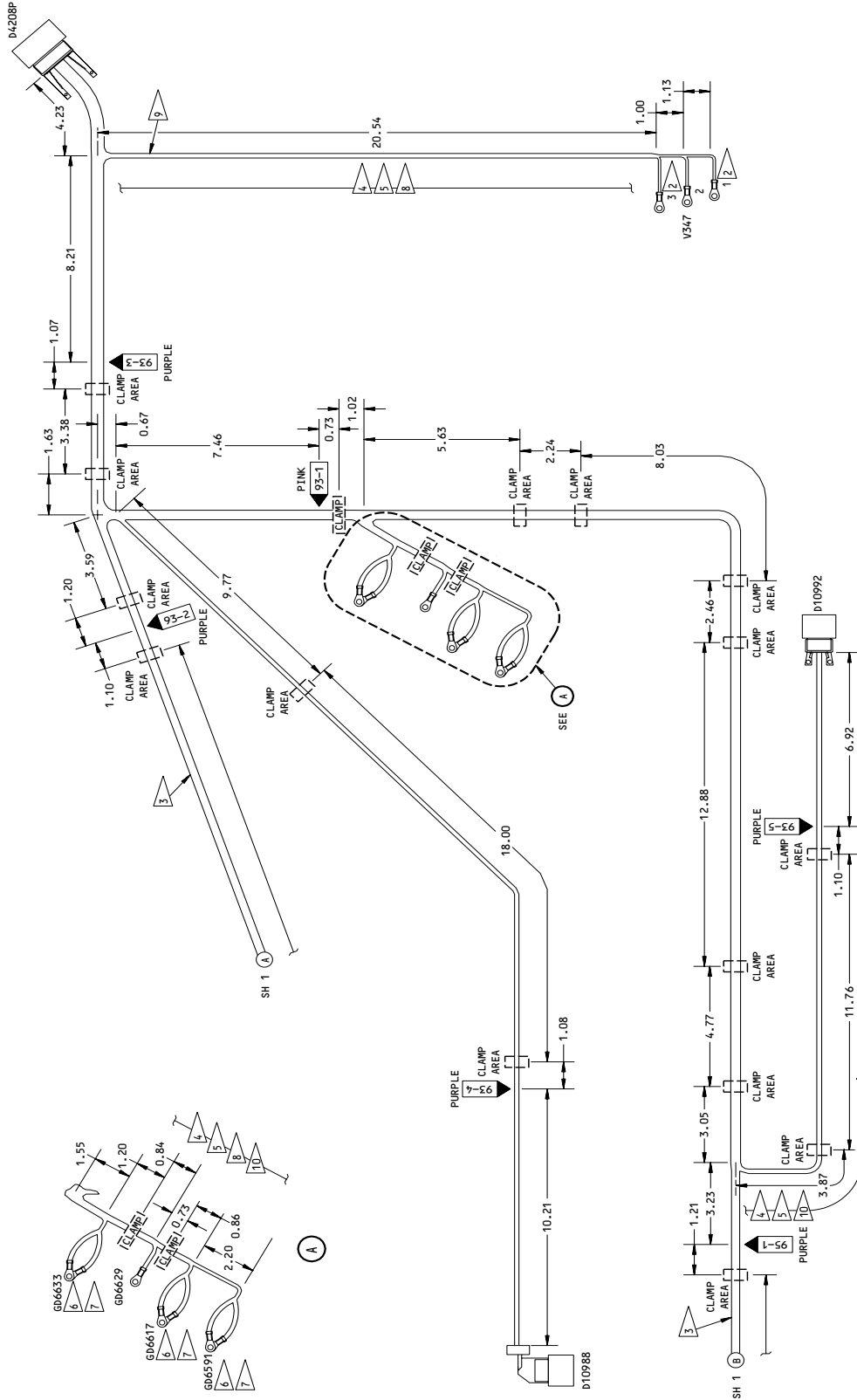
- INSTALLATION REFERENCE POINT.
- TAPE BUNDLE AT THIS POINT AS SHOWN IN BAC 5157.
- USE GREEN TAPE UNLESS SHOWN DIFFERENTLY.

ALL DIMENSIONS ARE IN INCHES

- 1 MULTIPLE LOCATION: SEE ACL
- 2 STAKE WIRES IN ONE LUG.
- 3 INSTALL WIRE BUNDLE ID.
- 4 SLEEVE WITH TFE-2X.
- 5 ADD HOLES IN TEFLON SLEEVING PER DOC.
- 6 STAKE BOTTOM LUG FACE DOWN.
- 7 NO MORE THAN TWO LUGS STAKED IN EITHER DIRECTION(UP OR DOWN).
- 8 SLEEVE TO TERMINATIONS.
- 9 BREAKOUT FROM BOTTOM SIDE OF WIRE BUNDLE.
- 10 INSTALL SLEEVING 2.00 INCHES INTO BREAKOUT.

286T3510
 Engine Instrument Wire Bundle
 Figure 5 (Sheet 1)

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286T3510
 Engine Instrument Wire Bundle
 Figure 5 (Sheet 2)

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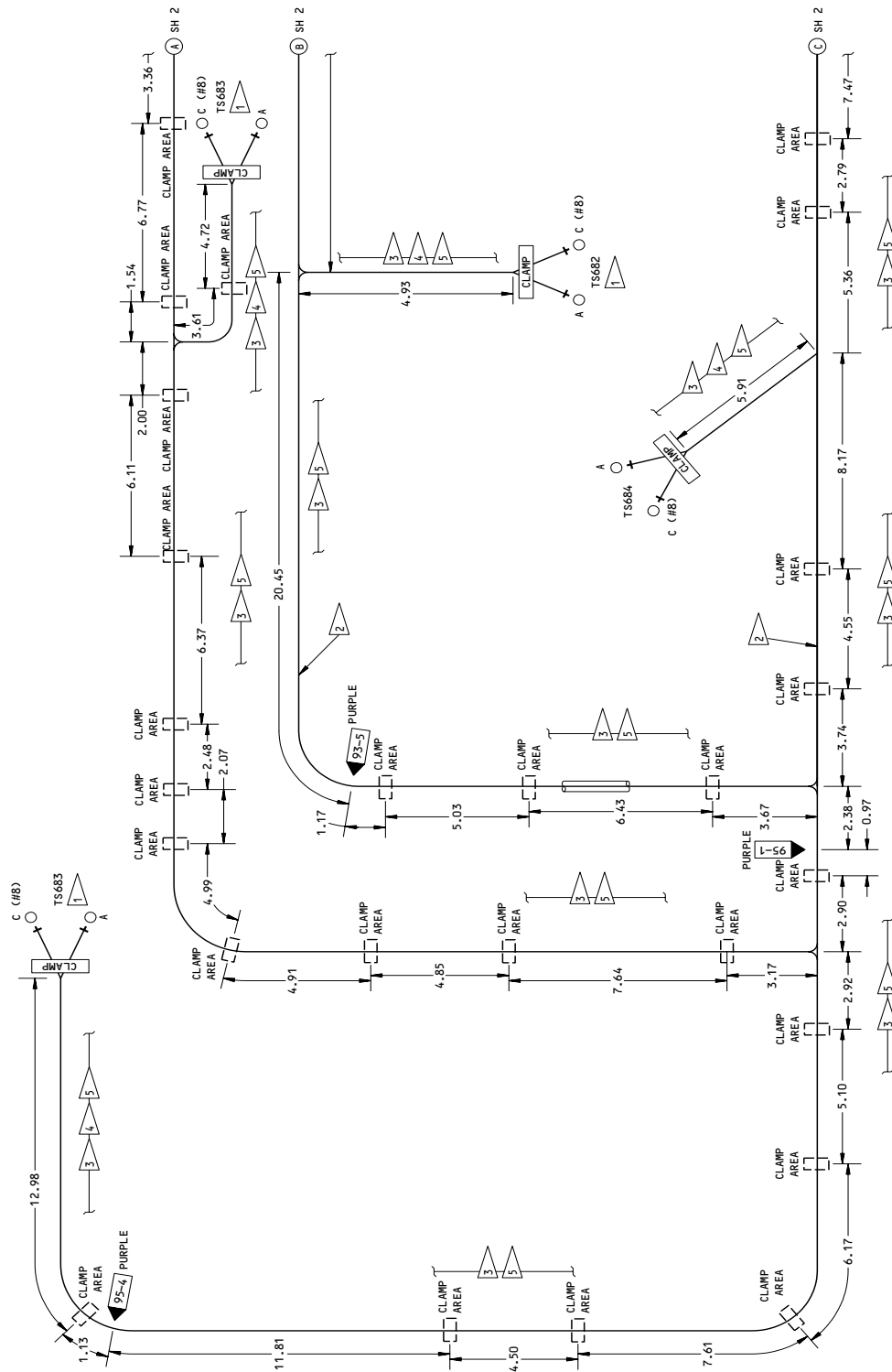
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FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
05-					
-1	286T3510-043		ENGINE-ENG INSTR	A	RF
-1A	286T3510-044		ENGINE-ENG INSTR	B	RF
-5	BACC63BR24D30 P6L		.CONNECTOR (D04208P)		1
-10	BACC10HD24A		DELETED		
-10A	BACC10KA24		.CLAMP (D04208PQ)		1
-15	BACC63BP14B7S7L		.CONNECTOR (D10974)		1
-20	BACC10HD14A		DELETED		
-20A	BACC10KA14		.CLAMP (D10974T)		1
-25	FVA6E12S-3S08		.CONNECTOR (V71468)(D10978)		1
-30	BACC63BP18B14 SNL		.CONNECTOR (D10984)		1
-35	BACC10HE18A		DELETED		
-35A	BACC10KB18		.CLAMP (D10984T)		1
-40	BACC63P14B7S8L		.CONNECTOR (D10988)		1
-45	BACC10HE14A		DELETED		
-45A	BACC10KB14		.CLAMP (D10988T)		1
-50	BACC63BP14B7S6L		.CONNECTOR (D10992)		1
-55	BACC10HD14A		DELETED		
-55A	BACC10KA14		.CLAMP (D10992T)		1
-60	BACC63P10B5S6L		.CONNECTOR (D10998)		1
-65	BACC10HD10A		DELETED		
-65A	BACC10KA10		.CLAMP (D10998T)		1
-70	BACC63BP10B5SNL		.CONNECTOR (D11000)		1
-75	BACC10HD10A		DELETED		
-75A	BACC10KA10		.CLAMP (D11000T)		1

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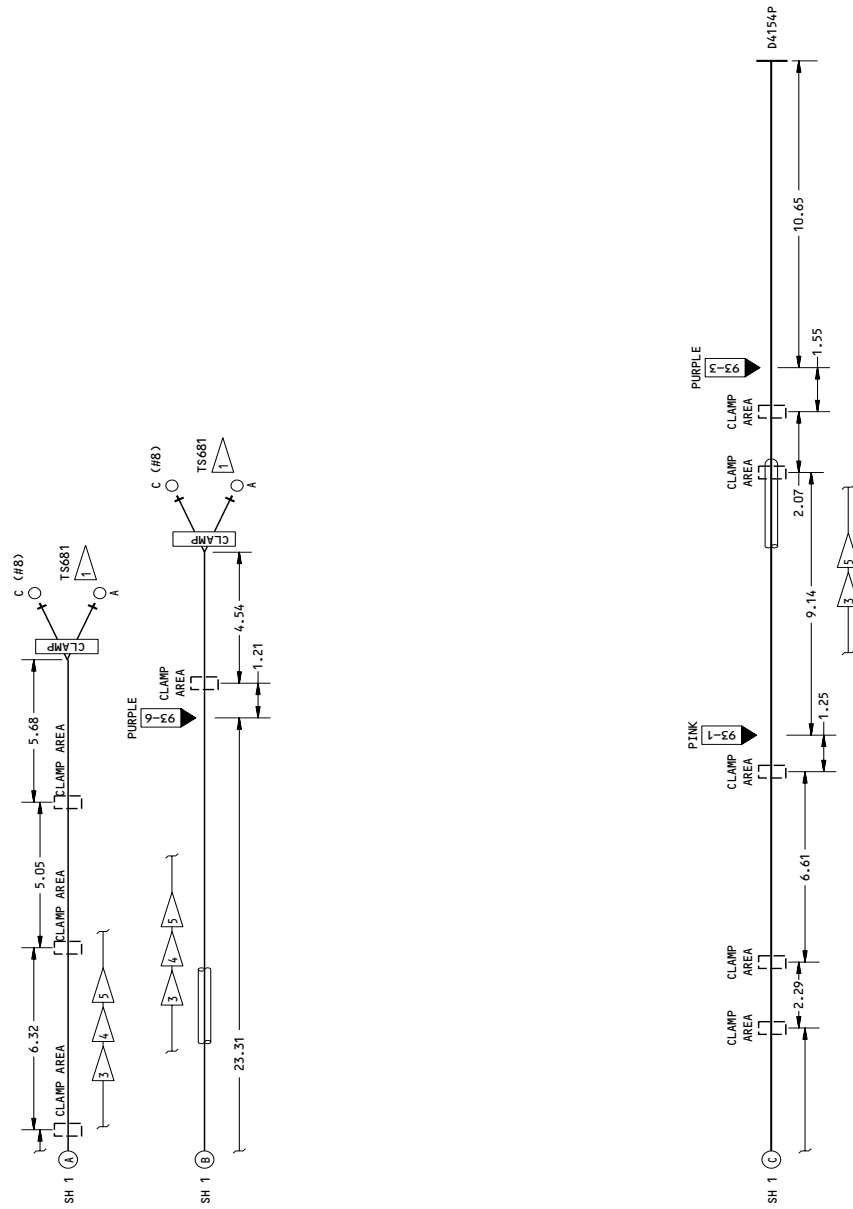
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NOTE: INSTALL WIRE BUNDLE IDENTIFICATION AS SHOWN IN CMM 71-00-20.
 ALL TERMINALS ARE FOR NO. 10 STUDS UNLESS SHOWN DIFFERENTLY.

- COLOR
- INSTALLATION REFERENCE POINT.
 - TAPE BUNDLE AT THIS POINT AS SHOWN IN BAC 5157.
 - USE GREEN TAPE UNLESS SHOWN DIFFERENTLY.

ALL DIMENSIONS ARE IN INCHES

- 1 MULTIPLE LOCATION. SEE ACL
- 2 INSTALL WIRE BUNDLE ID.
- 3 SLEEVE WITH TFE-2X.
- 4 SLEEVE TO TERMINATIONS.
- 5 DO NOT PERFORM SLEEVING.

286T3520
 Engine Instrument Wire Bundle
 Figure 6 (Sheet 2)

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FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
06-					
-1A	286T3520-041		ENGINE-S2B-FIRE DETECTION	B	RF
-1A	286T3520-045		ENGINE-S2B-FIRE DETECTION	B	RF
-1B	286T3520-047		ENGINE-S2B-FIRE DETECTION	C	RF
-5	BACC63BR14B7P6L		.CONNECTOR (D04154P)		1
-10	BACC10HD14A		DELETED		
-10A	BACC10KA14		.CLAMP (D04154PQ)		1

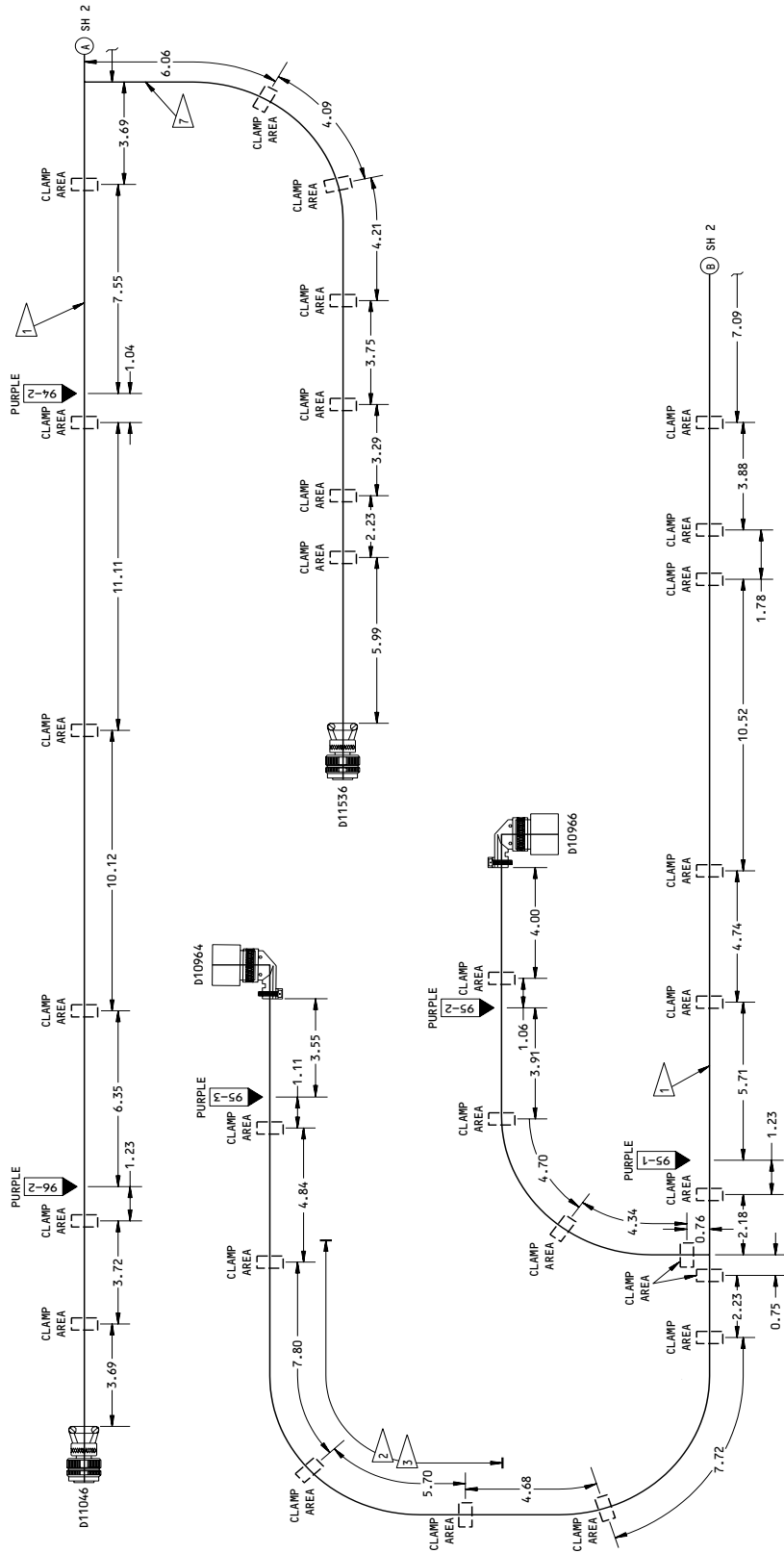
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286T5338
Engine Instrument Wire Bundle
Figure 7 (Sheet 1)

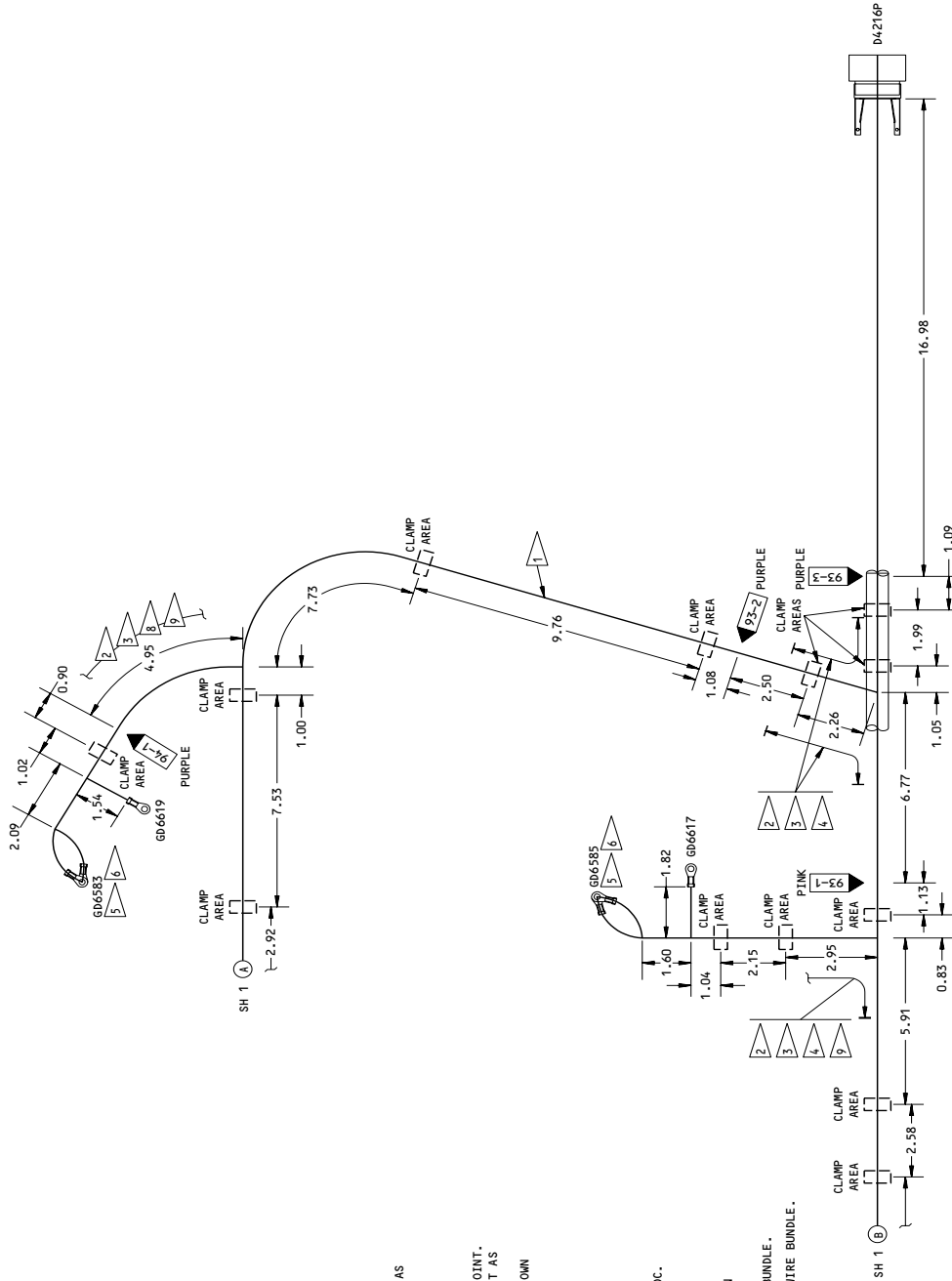
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NOTE: INSTALL WIRE BUNDLE IDENTIFICATION AS SHOWN IN CMI 71-00-20.
 ALL TERMINALS ARE FOR NO. 10 STUDS UNLESS SHOWN DIFFERENTLY.

- COLOR**
- INSTALLATION REFERENCE POINT.
 - TAPE BUNDLE AT THIS POINT AS SHOWN IN "BAC 5157".
 - USE GREEN TAPE UNLESS SHOWN DIFFERENTLY.

ALL DIMENSIONS ARE IN INCHES

- 1 INSTALL WIRE BUNDLE ID.
- 2 SLEEVE WITH TFE-2X.
- 3 ADD HOLES IN TEFLON SLEEVING PER DOC.
- 4 SLEEVE THE BREAKOUT WIRES ONLY.
- 5 STAKE BOTTOM LUG FACE DOWN.
- 6 NO MORE THAN TWO (2) LUGS STAKED IN EITHER DIRECTION (UP OR DOWN).
- 7 BREAKOUT FROM BOTTOM SIDE OF WIRE BUNDLE.
- 8 INSTALL SLEEVING 2.00 INCHES INTO WIRE BUNDLE.
- 9 SLEEVE TO TERMINATION(S).

286T3538
 Engine Instrument Wire Bundle
 Figure 7 (Sheet 2)

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FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
07-					
-1	286T3538-042		ENGINE-IDG CONTROL		RF
-5	BACC63BR24B30 P8L		.CONNECTOR (D04216P)		1
-10	BACC10HD24A		DELETED		
-10A	BACC10KA24		.CLAMP (D04216PQ)		1
-15	BACC63BP18B14 S6L		.CONNECTOR (D10964)		1
-20	BACC10HE18A		DELETED		
-20A	BACC10KB18		.CLAMP (D10964T)		1
-25	BACC63BP18B14 SNL		.CONNECTOR (D10966)		1
-30	BACC10HE18A		DELETED		
-30A	BACC10KB18		.CLAMP (D10966T)		1
-35	D38999/26KC98 SN		.CONNECTOR (D11046)		1
-40	G8801S13		.CLAMP (D11046T)		1
-45	D38999/26KA98SN		.CONNECTOR (D11536)		1
-50	G8801S9		.CLAMP (D11536T)		1

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