



Drawing - Part List Preview

Drawing Data: 170-94864-403

Drawing Number Description	Last Revision Letter	Class Responsible	Status	Initial Release Document
170-94864-403 WIRE HARNESS ASSY, PSU/DC LTS AIR DUCT S	B	102 ESTAVARE	Revision	170660365-00

Last Drawing Released Revisions (default - last three revisions)

Document	Description	Revision Letter	Released Date
BRS 2791396	- IN P/L, REVISED NOTES NL003,10 AND 11.	A	02.06.2016
OE 170660365-00	EO - Engineer Order	/	03.09.2014

Drawing Revision Chosen to be Printed

Revision Letter	Document	Description
B	BRS 2832053	- IN P/L, UPDATED ITEM ON POSITION 12

Part Number: 170-94864-403

Part Number 170-94864-403	Embraer Code 1151862	Description WIRE HARNESS ASSY, PSU/DC LTS AIR DUCT S
Status L	Traceability L	Project Unit UM
Design C&D	Zone A000	Position 00001
		Weight (G) 650,000
		System Code 252200
		Production C&D
		Spareability Code Not verified

Part Number - Released Product Structure: 170-94864-403

Part Number Type / Origin	Description					Embraer Code Design		Status	Traceability Espece			
FTI	Link Status	Position	Zone	Program	Model	CC	Initial SN	Production Final SN	Quantity	Unit	RM Usage	Weight (G)
EMB-0213-18-9					WIRE, ELECTRICAL, XETFE INSULATED - COPPER, NICKEL COATED					6436302	L	L
Aircraft - Raw Material-Orig. Tech. imported												ER-145-EL-004
	L	00003	F026	0170			00001	99999	1	ST	8,001 MM (8,001MM)	11,200
	L	00003	F026	0190			00001	99999	1	ST	8,001 MM (8,001MM)	11,200
EMB-0213-20-9					WIRE, ELECTRICAL, XETFE INSULATED - COPPER, NICKEL COATED					6436291	L	L
Aircraft - Raw Material-Orig. Tech. imported												ER-145-EL-004
	L	00004	F026	0170		-	00001	99999	1	ST	965 MM (965MM)	7,400
	L	00004	F026	0190			00001	99999	1	ST	965 MM (965MM)	7,400
EMB-0213-22-9					WIRE, ELECTRICAL, XETFE INSULATED - COPPER, NICKEL COATED					6436285	L	L
Aircraft - Raw Material-Orig. Tech. imported												ER-145-EL-004
	L	00005	F026	0170			00001	99999	1	ST	45,593 MM (45,593MM)	4,760
	L	00005	F026	0190			00001	99999	1	ST	45,593 MM (45,593MM)	4,760
EMB-1223-20-9					CABLE, ELECTRICAL, XETFE INSULATED-COPPER,NICKEL					6436485	L	L
Aircraft - Raw Material-Orig. Tech. imported												ER-145-EL-004
	L	00006	F026	0170			00001	99999	1	ST	8,165 MM (8,165MM)	25,200
	L	00006	F026	0190			00001	99999	1	ST	8,165 MM (8,165MM)	25,200
MS3476L22-41P					CONNECTOR, ELECTRICAL, PLUG - ALUMINIUM					6434376	L	L
Aircraft - Raw Material - Orig. Tech. imported												MIL-C-26482SII
	L	00009	E026	0170			00001	99999	1	UM	0.000 ()	35,500
	L	00009	E026	0190			00001	99999	1	UM	0.000 ()	35,500
D38999/26JB99SN					CONNECTOR,ELECTRICAL-STRAIGHT PLUG,CIRCULAR,					8432492	L	L
Aircraft - Raw Material - Orig. Tech. imported												MIL-C-38999
	L	00010	B026	0170			00001	99999	2	UM	0.000 ()	0,200
	L	00010	B026	0190			00001	99999	2	UM	0.000 ()	0,200
D38999/26JD97SN					CONNECTOR,ELECTRICAL-STRAIGHT PLUG,CIRCULAR,					8432470	L	L
Aircraft - Raw Material - Orig. Tech. imported												MIL-C-38999
	L	00011	B024	0170			00001	99999	2	UM	0.000 ()	24,3
	L	00011	B024	0190			00001	99999	2	UM	0.000 ()	24,3
M85049/92-15J					STRAIN RELIEF,90°-SELF LOCKING,FOR ELECTRICAL CONNECTOR,					2074943	L	L
Aircraft - Raw Material - Orig. Tech. imported												MIL-C-85049
	L	00014	B024	0170			00001	99999	2	UM	0.000 ()	16,1000
	L	00014	B024	0190			00001	99999	2	UM	0.000 ()	16,1000
M85049/92-11J					STRAIN RELIEF 90°-SELF LOCKING,FOR ELECTRICAL CONNECTOR,					2074921	L	L
Aircraft - Raw Material - Orig. Tech. imported												MIL-C-85049
	L	00015	B026	0170			00001	99999	2	UM	0.000 ()	11,8000

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Part Number - Released Product Structure: 170-94864-403

Part Number Type / Origin	Link	Status	Position	Zone	Program	Description Model	CC	Initial SN	Production Final SN	Quantity	Embraer Code Design Unit	RM Usage	Status	Traceability Espec Weight (G)
CDEL052-3	L		00015	B026	0190	CONTACT, SOCKET 22 GA.		00001	99999	2	UM	0.000 ()	L	11,8000
Aircraft - Raw Material - Orig. Tech. imported														
	L		00017	C024	0170			00001	99999	2	UM	0.000 ()		1,000
	L		00017	C024	0190			00001	99999	2	UM	0.000 ()		1,000
CDEL052-1						CONTACT, SOCKET 20 GA.						3757964	L	L
Aircraft - Raw Material - Orig. Tech. imported														
	L		00018	C024	0170			00001	99999	3	UM	0.000 ()		1,000
	L		00018	C024	0190			00001	99999	3	UM	0.000 ()		1,000
3357 0001 301						CABLE CLAMP						2193258	L	L
Aircraft - Raw Material - Orig. Tech. imported														
	L		00019	C024	0170			00001	99999	1	UM	0.000 ()		,1000
	L		00019	C024	0190			00001	99999	1	UM	0.000 ()		,1000
WFFRBK250						SLEEVING,EXPANDABLE-PROTECTION,PLASTIC						9759337	L	L
Aircraft - Mechanical Hardware-Orig. Tech. imported														
	L		00022	C025	0170			00001	99999	1	ST	4,715 MM (4,715MM)		0,300
	L		00022	C025	0190			00001	99999	1	ST	4,715 MM (4,715MM)		0,300
WFFRBK500						SLEEVE-EXPANDABLE, 125Y, PLASTIC						7184787	L	L
Aircraft - Mechanical Hardware-Orig. Tech. imported														
	L		00023	E025	0170			00001	99999	1	ST	720.000 (720MM)		C&D
	L		00023	E025	0190			00001	99999	1	ST	720.000 (720MM)		
MS3367-4-9						STRAP-TIE DOWN,ELECTRICAL CABLE,NYLON						6410568	L	L
Aircraft - Raw Material - Orig. Tech. imported														
	L		00024	E025	0170			00001	99999	16	UM	0.000 ()		0,300
	L		00024	E025	0190			00001	99999	16	UM	0.000 ()		0,300
D-436-83						WIRE SPLICING, COPPER - PLASTIC INSULATED						6438966	L	L
Aircraft - Raw Material - Orig. Tech. imported														
	L		00025	E025	0170			00001	99999	10	UM	0.000 ()		0,700
	L		00025	E025	0190			00001	99999	10	UM	0.000 ()		0,700
M83519/1-3						SOLDER SLEEVE, PLASTIC - COAXIAL CABLE TERMINATOR						4467553	L	L
Aircraft - Raw Material - Orig. Tech. imported														
	L		00026	E026	0170			00001	99999	6	UM	0.000 ()		,2000
	L		00026	E026	0190			00001	99999	6	UM	0.000 ()		,2000
MS25036-103						ELECTRICAL TERMINAL-COPPER, NYLON INSULATED						2094633	L	L
Aircraft - Raw Material - Orig. Tech. imported														
	L		00027	B023	0170			00001	99999	1	UM	0.000 ()		1,000
	L		00027	B023	0190			00001	99999	1	UM	0.000 ()		1,000
D-436-84						WIRE SPLICING, COPPER - PLASTIC INSULATED						6438972	L	L
Aircraft - Raw Material - Orig. Tech. imported														
	L		00028	E024	0170			00001	99999	2	UM	0.000 ()		1,000
	L		00028	E024	0190			00001	99999	2	UM	0.000 ()		1,000
CD1220-P301						LABEL, WIRE HARNESS						2030145	L	L
Aircraft - Raw Material - Orig. Tech. imported														
	L		00030	E026	0170			00001	99999	1	UM	0.000 ()		,3000
	L		00030	E026	0190			00001	99999	1	UM	0.000 ()		,3000
CD1220-BN3-P2						LABEL, WIRE HARNESS						2030389	L	L
Aircraft - Raw Material - Orig. Tech. imported														
	L		00031	C024	0170			00001	99999	1	UM	0.000 ()		,3000
	L		00031	C024	0190			00001	99999	1	UM	0.000 ()		,3000
CD1220-BN3-P7						LABEL, WIRE HARNESS						2030406	L	L
Aircraft - Raw Material - Orig. Tech. imported														
	L		00032	C034	0170			00001	99999	1	UM	0.000 ()		,3000
	L		00032	C034	0190			00001	99999	1	UM	0.000 ()		,3000
CD1220-BN3-P8						LABEL, WIRE HARNESS						2035484	L	L
Aircraft - Raw Material - Orig. Tech. imported														
	L		00033	B037	0170			00001	99999	1	UM	0.000 ()		,3000
	L		00033	B037	0190			00001	99999	1	UM	0.000 ()		,3000
CD1220-BN3-P6						LABEL, WIRE HARNESS						2030395	L	L
Aircraft - Raw Material - Orig. Tech. imported														
	L		00034	B027	0170			00001	99999	1	UM	0.000 ()		,3000
	L		00034	B027	0190			00001	99999	1	UM	0.000 ()		,3000
CD1220-BN3-P5						LABEL, WIRE HARNESS IDENTIFICATION						2035462	L	L
Aircraft - Raw Material - Orig. Tech. imported														



Drawing - Part List Preview

Part Number - Released Product Structure: 170-94864-403

Part Number Type / Origin		Description							Embraer Code Design		Status	Traceability Espec Weight (G)
FTI	Link Status	Position	Zone	Program	Model	CC	Initial SN	Final SN	Quantity	Unit	RM Usage	
	L	00035	B024	0170			00001	99999	1	UM	0.000 ()	,3000
	L	00035	B024	0190			00001	99999	1	UM	0.000 ()	,3000
CDEL039-BN3-SP2 Aircraft - Raw Material - Orig. Tech. imported												
	L	00037	D025	0170			00001	99999	1	UM	0.000 ()	,2000
	L	00037	D025	0190			00001	99999	1	UM	0.000 ()	,2000
CDEL039-BN3-SP4 Aircraft - Raw Material - Orig. Tech. imported												
	L	00039	D024	0170			00001	99999	1	UM	0.000 ()	,2000
	L	00039	D024	0190			00001	99999	1	UM	0.000 ()	,2000
CDEL039-BN3-SP5 Aircraft - Raw Material - Orig. Tech. imported												
	L	00040	D024	0170			00001	99999	1	UM	0.000 ()	,2000
	L	00040	D024	0190			00001	99999	1	UM	0.000 ()	,2000
CDEL039-BN3-SP6 Aircraft - Raw Material - Orig. Tech. imported												
	L	00041	E024	0170			00001	99999	1	UM	0.000 ()	,2000
	L	00041	E024	0190			00001	99999	1	UM	0.000 ()	,2000
CDEL039-BN3-SP7 Aircraft - Raw Material - Orig. Tech. imported												
	L	00042	E024	0170			00001	99999	1	UM	0.000 ()	,2000
	L	00042	E024	0190			00001	99999	1	UM	0.000 ()	,2000
CDEL039-BN3-SP8 Aircraft - Raw Material - Orig. Tech. imported												
	L	00043	E024	0170			00001	99999	1	UM	0.000 ()	,2000
	L	00043	E024	0190			00001	99999	1	UM	0.000 ()	,2000
CDEL039-BN3-SP9 Aircraft - Raw Material - Orig. Tech. imported												
	L	00044	E024	0170			00001	99999	1	UM	0.000 ()	,2000
	L	00044	E024	0190			00001	99999	1	UM	0.000 ()	,2000
CDEL039-BN2-SP10 Aircraft - Raw Material - Orig. Tech. imported												
	L	00045	E023	0170			00001	99999	1	UM	0.000 ()	,2000
	L	00045	E023	0190			00001	99999	1	UM	0.000 ()	,2000
CDEL039-BN2-SP11 Aircraft - Raw Material - Orig. Tech. imported												
	L	00046	E023	0170			00001	99999	1	UM	0.000 ()	,2000
	L	00046	E023	0190			00001	99999	1	UM	0.000 ()	,2000
CDEL039-BN3-SP12 Aircraft - Raw Material - Orig. Tech. imported												
	L	00047	E023	0170			00001	99999	1	UM	0.000 ()	,2000
	L	00047	E023	0190			00001	99999	1	UM	0.000 ()	,2000
CDEL039-BN3-SP13 Aircraft - Raw Material - Orig. Tech. imported												
	L	00048	E023	0170			00001	99999	1	UM	0.000 ()	,2000
	L	00048	E023	0190			00001	99999	1	UM	0.000 ()	,2000
CDEL039-BN3-SP14 Aircraft - Raw Material - Orig. Tech. imported												
	L	00049	E023	0170			00001	99999	1	UM	0.000 ()	,2000
	L	00049	E023	0190			00001	99999	1	UM	0.000 ()	,2000
CDEL046-BN3-GS01CH Aircraft - Raw Material - Orig. Tech. imported												
	L	00050	C023	0170			00001	99999	1	UM	0.000 ()	,2000
	L	00050	C023	0190			00001	99999	1	UM	0.000 ()	,2000
CDEL005-170-94864-403 Aircraft - Raw Material - Orig. Tech. imported												
	L	00051	E25	0170			00001	99999	1	UM	0.000 ()	300,000
	L	00051	E25	0190			00001	99999	1	UM	0.000 ()	300,000
RNF-100-3/8-0 Aircraft - Raw Material-Orig. Tech. imported												
	L	00053	E26	0170			00001	99999	1	ST	101.600 MM (101.600MM)	11,000
	L	00053	E26	0190			00001	99999	1	ST	101.600 MM (101.600MM)	11,000

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Part Number - Released Product Structure: 170-94864-403

Part Number Type / Origin				Description						Embraer Code Design		Status	Traceability Espec	
FTI	Link	Status	Position	Zone	Program	Model	CC	Initial SN	Production Final SN	Quantity	Unit	RM Usage	Weight (G)	
310AS001M22					ADAPTER, SHRINK BOOT, STRAIGHT-FOR ELECTRICAL						8375197		L	L
Aircraft - Raw Material - Orig. Tech. imported														GLENAIR SERIES 310
	L		00054	E26	0170			00001	99999	1	UM	0.000 ()	39,000	
	L		00054	E26	0190			00001	99999	1	UM	0.000 ()	39,000	
202K153-25/225					HEAT SHRINKABLE BOOT						1166043		L	L
Aircraft - Raw Material - Orig. Tech. imported														202K153
	L		00055	D26	0170			00001	99999	1	UM	0.000 ()	2000,000	
	L		00055	D26	0190			00001	99999	1	UM	0.000 ()	2000,000	
PR1422B1/2					SEALANT,POLYSULFIDE,TYPE I,CLASS B1/2						1453409		L	L
Aircraft - Raw Material-Orig. Tech. imported														DMS 2082
	L		00056	D26	0170			00001	99999	1	ST	5 G (5G)	1000,000	
	L		00056	D26	0190			00001	99999	1	ST	5 G (5G)	1000,000	
Total of Components:					43									

Part Number - Not Released Product Structure: 170-94864-403

Part Number Type / Origin					Description					Embraer Code Design		Status	Traceability Espec
FTI	Link	Status	Position	Zone	Program	Model	CC	Initial SN	Production Final SN	Quantity	Unit	RM Usage	Weight (G)
3357 8001 523					CONNECTOR, PLUG					2089546		L	L
Aircraft - Raw Material - Orig. Tech. imported													MIL-C-39029
	N		00012	C024	0170			00001	99999	1	UM	0.000 ()	1,7000
	N		00012	C024	0190			00001	99999	1	UM	0.000 ()	1,7000
Total of Components:					1								

Part Number - Next Assemblies: 170-94864-403

Part Number Type / Origin					Description					Embraer Code Design		Status	Traceability Espec	
FTI	Link	Status	Position	Zone	Program	Model	CC	Initial SN	Production Final SN	Quantity	Unit	RM Usage		Weight (G)
171-49382-403					ELECTRICAL KIT, 128" LH AIRDUCT						1141320	N		L
Aircraft - Assy/Subassy-Orig. Tech. interiors assy									C&D		C&D			
	N		00005	B007	0170			00001	99999	1	UM	0.000 ()		3500,000
	N		00005	B007	0190			00001	99999	1	UM	0.000 ()		3500,000
171-49300-403					ELECTRICAL KIT-128" LH AIRDUCT						1142079	N		L
Aircraft - Assy/Subassy-Orig. Tech. interiors assy									C&D		C&D			
	N		00005	D7	0170			00001	99999	1	UM	0.000 ()		3500,000
	N		00005	D7	0190			00001	99999	1	UM	0.000 ()		3500,000
170-94866-403					ELECTRICAL KIT 128 INCH LH AIRDUCT						1142302	L		L
Aircraft - Assy/Subassy-Orig. Tech. interiors assy									C&D		C&D			
	L		00005	B007	0170			00001	99999	1	UM	0.000 ()		3500,000
	L		00005	B007	0190			00001	99999	1	UM	0.000 ()		3500,000
171-53406-403					ELECTRICAL KIT, 128" LH AIRDUCT						1149411	L		L
Aircraft - Assy/Subassy-Orig. Tech. interiors assy									C&D		C&D			
	L		00005	B007	0170			00001	99999	1	UM	0.000 ()		3500,000
	L		00005	B007	0190			00001	99999	1	UM	0.000 ()		3500,000
171-49300-401					ELECTRICAL KIT						306370	L		L
Aircraft - Assy/Subassy-Orig. Tech. interiors assy									C&D		C&D			
	L		90005	B007	0170			00001	99999	1	UM	0.000 ()		3500
	L		90005	B007	0190			00001	99999	1	UM	0.000 ()		3500
171-49382-401					ELECTRICAL KIT, 128" LH AIRDUCT						5991691	L		L
Aircraft - Assy/Subassy-Orig. Tech. interiors assy									C&D		C&D			
	L		90005	B007	0170			00001	99999	1	UM	0.000 ()		3500,000
	L		90005	B007	0190			00001	99999	1	UM	0.000 ()		3500,000
Total of Next Assemblies:					6									

Standard Notes

Note Code	Description
NS001	THIS DRAWING CANNOT BE USED, PUBLISHED, NOR COMMUNICATED TO THIRD PARTIES OR REPRODUCED WITHOUT AUTHORIZATION OF EMBRAER.
NS002	UNLESS OTHERWISE SPECIFIED, LINEAR DIMENSIONS ARE IN MILLIMETER AND ANGULAR DIMENSIONS ARE IN DEGREE.

Standard Notes

Note Code	Description
NS003	EACH PURCHASED ITEM CALLED OUT IN THIS PARTS LIST MAY HAVE AN OPTIONAL ITEM SPECIFIED IN EMBRAER'S MATERIALS DATA BASE (RME), THE ORIGINAL ITEM MAY BE REPLACED BY THE ONE INDICATED IN RME, ACCORDING TO ENS-000565 PROCEDURE.
NS005	BEFORE USING THE DRAWING, CHECK ITS CURRENT REVISION AT WEB PORTAL/DIP/PDM/PARTS LIST/PL - VIEW RELEASED VERSIONS.

Notes of Drawing: 170-94864-403

Note Code	Description
NI0928	THIS DRAWING IS BEING REGISTERED FOR FIRST TIME IN EMBRAER DATABASE IN THE REVISION A. AS IT IS OUT OF THE BASELINE, THE RESPONSIBILITY TO PREVIOUS INFORMATION IS OF PARTNER CND.
NL0001	WORKMANSHIP CRITERIA PER C&D REQUIREMENTS AS DOCUMENTED IN CD DWG. CDP910-00.
NL0002	WIRES ARE PER SPEC: MIL-W-22759/41 FOR 22AWG AND LOWER, MIL-W-22759/42 FOR 24AWG AND HIGHER.
NL0003	WIRE IDENTIFICATION AS NOTED ON WIRE DIAGRAM TO OCCUR EVERY 254MM (10 IN) INTERVALS UNLESS SEGMENT LENGTH PROHIBITS OR INSULATION DOES NOT STAMP EASILY, AT WHICH ID NUMBER SHALL OCCUR AT EACH SEGMENT END USING P/N CDEL047-11 TO -14.
NL0004	WIRE BUNDLES WITH BRANCH CIRCUITS SHALL BE CABLE TIE SUPPORTED EVERY 102MM +/- 51MM(4 +/- 2 IN.) TO MAINTAIN BUNDLE INTEGRITY AND SHAPE.
NL0005	QUANTITY LISTED IS APPROXIMATE, QUANTITY MAY VARY UPON BUILDUP OF HARNESS ASSY.
NL0006	POPULATE CONNECTORS WITH CONTACTS.
NL0007	INSTALL SEALING PLUGS IN ALL UNUSED CONNECTOR CAVITIES.
NL0008	LOCATE CONNECTOR I.D. LABEL WITHIN 75MM(2.9 IN.) FROM CONNECTOR.
NL0009	LOCATE WIRE HARNESS I.D. LABEL AT APPROX. LOCATION SHOWN.
NL0010	PLACE COMPLETED ASSEMBLY IN A BAG FOR DUST PROTECTION.
NL0011	WHERE A LOOM ASSY. IS COMPLETE AT ALL ENDS, THE LENGTH SHALL BE WITHIN THE FOLLOWING TOLERANCES: UP TO 1524MM(60 IN.).....0/+26MM(1.0 IN.), 1524(60 IN.) TO 3048MM(120 IN.)....-0/+38MM(1.5 IN.), 3048MM(120 IN) TO 4572MM(180 IN)....-0/+51MM(2.0 IN).
NL0012	INSTALL EXPANDABLE SLEEVING TO THE DIMENSION SHOWN WITHIN A TOLERANCE OF +/- 13MM(1/2 IN.)
NL0013	INSPECT AND TEST THE COMPLETED WIRE HARNESS ASSY PER CDQ600-09.
NL0014	REFERENCE: WIRING DIAGRAM DRAWING NO. A147112/170-95722.
NL0015	CONNECTOR IS SUPPLIED WITH CONTACTS.
NL0016	THIS DRAWING MAY BE UTILIZED AS A MANUFACTURING TOOL DRAWING ONCE IT IS PRINTED AT FULL SCALE.
NL0017	INSTALL HEAT SHRINKABLE BOOT ACCORDING TO SWMP20-40-10.

Total of Drawing Notes: 18

Drawing Item Notes: 170-94864-403

Item Part Number	Embraer Code	Position	Note Code	Description
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Total of Drawing Item Notes: 0

Drawing Sheets: 170-94864-403

Sheet Number	Affected Sheet?	Model	Format	Revision Letter	Status
001	Yes	2D	A0	B	Active
002	Yes	2D	A0	B	Active
003	Yes	2D	A0	B	Active

Total of Drawing Sheets: 3

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