

Drawing Data:: 170-94864-401

Drawing Number Description	Last Revision Letter	Class Responsible	Status	Initial Release Document
170-94864-401 WIRE HARNESS ASSY, PSU/DC LTS AIR D	C	102 MOSCAR	Revision	1775801

Last Drawing Released Revisions (default - last three revisions)

Document	Description	Revision Letter	Released Date
AMD 2280781	REPLACE BALLAST CONNECTOR CONTACT TO IMPROVE SUPPLIER	B	09.02.2009
AMD 1775801	CARGA INICIAL AMD 0000307766 00	A	02.04.2006

Drawing Revision Chosen to be Printed

Revision Letter	Document	Description
C	BRS 2833312	- IN P/L REVISED NOTES NL03 AND 10. -IN

Part Number: 170-94864-401

Part Number 170-94864-01	Embraer Code 8425485	Description WIRE HARNESS ASSY, PSU/DC LTS AIR DUCT STRUCTURE
Status L	Traceability L	Project Unit UM
Design C&D	Zone A000	Position 00001
	Weight (G) 650,0000	System Code 252200
		Spareability Code Spare Part

Part Number - Released Product Structure:170-94864-401

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)	
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	
M85049/52-1-22N					CLAMP, STRAIN RELIEF, STRAIGHT- FOR ELECTRICAL						4480523	L	L
Aircraft - Raw Material - Orig. Tech. imported													SAE-AS85049/52
	L	00013	E026	0170			00001	99999	1	UM	0.000 ()	32,000	
	L	00013	E026	0190			00001	99999	1	UM	0.000 ()	32,000	
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	
	L	00015	B026	0190			00001	99999	2	UM	0.000 ()	11,8000	
CDEL052-1					CONTACT, SOCKET 20 GA.						3757964	L	L
Aircraft - Raw Material - Orig. Tech. imported													MIL-C-39029
	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													170DSP007
	L	00019	C024	0170			00001	99999	1	UM	0.000 ()	,1000	
	L	00019	C024	0190			00001	99999	1	UM	0.000 ()	,1000	
WFFRBK250					SLEEVING,EXPLANDABLE-PROTECTION,PLASTIC						9759337	L	L
Aircraft - Mechanical Hardware-Orig. Tech. imported													WFFR
	L	00022	C025	0170			00001	99999	1	ST	4,715 MM (4.715MM)	0,300	

Part Number - Released Product Structure:170-94864-401

Part Number		Description								Embraer Code		Status	Traceability
Type / Origin										Design		Espec	
FTI	Link Status	Position	Zone	Program	Model	CC	Initial SN	Final SN	Quantity	Unit	RM Usage	Weight (G)	
	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													C&D
	L	00023	E025	0170			00001	99999	1	ST	720.000 (720MM)		
	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													MS3367
	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													MIL-S-81824
	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													MIL-S-83519
	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													SAE AS25036
	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													MIL-S-81824
	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													CD1220
	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													CD1220
	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													CD1220
	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													CD1220
	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													CD1220
	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													CD1220
	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					SLEEVE-HARNESS IDENTIFICATION,PLASTIC						2023077	L	L
Aircraft - Raw Material - Orig. Tech. imported													CDEL039
	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					SLEEVE-HARNESS IDENTIFICATION,PLASTIC						2023005	L	L
Aircraft - Raw Material - Orig. Tech. imported													CDEL039
	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					SLEEVE-HARNESS IDENTIFICATION,PLASTIC						2026413	L	L
Aircraft - Raw Material - Orig. Tech. imported													CDEL039
	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					SLEEVE-HARNESS IDENTIFICATION,PLASTIC						2026429	L	L
Aircraft - Raw Material - Orig. Tech. imported													CDEL039

Part Number - Released Product Structure:170-94864-401

Part Number Type / Origin		Description								Embraer Code		Status	Traceability
FTI	Link Status	Position	Zone	Program	Model	CC	Initial SN	Production Final SN	Quantity	Design Unit	RM Usage		Espece Weight (G)
	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				SLEEVE-HARNESS IDENTIFICATION,PLASTIC							2026441	L	L
Aircraft - Raw Material - Orig. Tech. imported													CDEL039
	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				SLEEVE-HARNESS IDENTIFICATION,PLASTIC							2028138	L	L
Aircraft - Raw Material - Orig. Tech. imported													CDEL039
	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				SLEEVE-HARNESS IDENTIFICATION,PLASTIC							2029782	L	L
Aircraft - Raw Material - Orig. Tech. imported													CDEL039
	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				SLEEVE-IDENTIFICATION,WIRE,PLASTICO							2027956	L	L
Aircraft - Raw Material - Orig. Tech. imported													CDEL039
	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				SLEEVE-IDENTIFICATION,WIRE,PLASTICO							2027962	L	L
Aircraft - Raw Material - Orig. Tech. imported													CDEL039
	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				SLEEVE-IDENTIFICATION,WIRE,PLASTICO							2037987	L	L
Aircraft - Raw Material - Orig. Tech. imported													CDEL039
	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				SLEEVE-IDENTIFICATION,WIRE,PLASTICO							2038008	L	L
Aircraft - Raw Material - Orig. Tech. imported													CDEL039
	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				SLEEVE-IDENTIFICATION,WIRE,PLASTICO							2038014	L	L
Aircraft - Raw Material - Orig. Tech. imported													CDEL039
	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				SLEEVE-IDENTIFICATION,WIRE,PLASTIC							2632939	L	L
Aircraft - Raw Material - Orig. Tech. imported													CDEL046
	L	00050	C023	0170			00001	99999	1	UM	0.000 ()		,2000
	L	00050	C023	0190			00001	99999	1	UM	0.000 ()		,2000
CDEL005-170-94864-401				LABEL,WIRE HARNESS IDENTIFICATION							8440225	L	L
Aircraft - Raw Material - Orig. Tech. imported													CDEL005
	L	00051	E025	0170			00001	99999	1	UM	0.000 ()		,3000
	L	00051	E025	0190			00001	99999	1	UM	0.000 ()		,3000
Total of Components:				35									

Part Number - Not Released Product Structure:170-94864-401

Part Number Type / Origin		Description								Embraer Code		Status	Traceability
FTI	Link Status	Position	Zone	Program	Model	CC	Initial SN	Production Final SN	Quantity	Design Unit	RM Usage		Espece 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
	N	00003	F026	0170			00001	99999	1	ST	8,001 MM (8,001MM)		11,200
	N	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
	N	00004	F026	0170			00001	99999	1	ST	1,270 MM (1,270MM)		7,400
	N	00004	F026	0190			00001	99999	1	ST	1,270 MM (1,270MM)		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
	N	00005	F026	0170			00001	99999	1	ST	43,815 MM (43,815MM)		4,760
	N	00005	F026	0190			00001	99999	1	ST	43,815 MM (43,815MM)		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

Part Number - Not Released Product Structure:170-94864-401

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)
	N		00006	F026	0170			00001	99999	1	ST	4,064 MM (4,064MM)	25,200
	N		00006	F026	0190			00001	99999	1	ST	4,064 MM (4,064MM)	25,200
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
CDEL052-3				CONTACT, SOCKET 22 GA.							3757970	L	L
Aircraft - Raw Material - Orig. Tech. imported													MIL-C-39029
	N		00017	C024	0170			00001	99999	1	UM	0.000 ()	1,000
	N		00017	C024	0190			00001	99999	1	UM	0.000 ()	1,000
Total of Components:					6								

Part Number - Next Assemblies:170-94864-401

Part Number Type / Origin					Description					Embraer Code Design Unit		Status	Traceability Espec Weight (G)
FTI	Link Status	Position	Zone	Program	Model	CC	Initial SN	Production Final SN	Quantity		RM Usage		
171-49300-401					ELECTRICAL KIT						306370	L	L
Aircraft - Assy/Subassy-Orig. Tech. interiors assy								C&D		C&D			
	L	00005	B007	0170			00001	99999	1	UM	0.000 ()		3500
	L	00005	B007	0190			00001	99999	1	UM	0.000 ()		3500
171-41415-601					DUCT STRUCTURE INSTL KIT, AIR DIST						4744726	L	L
Aircraft - Opcional Subst.- Orig. Tech. interiors assy								EZAIR INTERIORS		C&D			
	L	00005	E4	0170			00001	99999	1	UM	0.000 ()		46530,000
	L	00005	E4	0190			00001	99999	1	UM	0.000 ()		46530,000
171-49382-401					ELECTRICAL KIT, 128" LH AIRDUCT						5991691	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
171-53406-401					ELECTRICAL KIT, 128" LH AIRDUCT						6455763	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
170-94866-401					ELECTRICAL KIT - 128 IN LH AIRDUCT						8445819	L	L
Aircraft - Assy/Subassy-Orig. Tech. interiors assy								C&D		C&D			
	L	00005	B007	0170			00001	99999	1	UM	0.000 ()		3500,0000
	L	00005	B007	0190			00001	99999	1	UM	0.000 ()		3500,0000
171-46847-601					DUCT STRUCTURE, RETROFIT KIT						5597476	L	L
Aircraft - Opcional Subst.- Orig. Tech. interiors assy								EZAIR INTERIORS		C&D			
	L	00013	B043	0170			00001	99999	1	UM	0.000 ()		43095,000
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.
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: 170-94864-401

Note Code	Description
NI0928	THIS DRAWING IS BEING REGISTERED FOR FIRST TIME IN EMBRAER DATABASE IN THE REVISION A. AS IT IS OUT OF THEBASELINE, 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.

Notes of Drawing: 170-94864-401

Note Code	Description
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/+38MM(1.5 IN.). 1524MM(60 IN.) TO 3080MM(120 IN.).....0/+38MM(1.5 IN.). 3080MM(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.

Total of Drawing Notes: 17

Drawing Item Notes: 170-94864-401

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

Drawing Sheets:170-94864-401

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

Total of Drawing Sheets: 3