767-200/300

WIRING DIAGRAM MANUAL

SCANDINAVIAN AIRLINES SYSTEM

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This manual is applicable to the aircraft on this list:

Model-Series	Operator		Manufacturer			Registration Number
	Identification Code	Effectivity Code	Block Number	Serial Number	Line Number	
767-283ER	AMX	050	VF071	24727	301	XA-TOJ
767-283ER	AVI	051	VF072	24728	305	N728CG
767-383ER	MAE	150	VN151	24318	257	CS-TLO
767-383ER	AVI	151	VN152	24357	262	N984AN
767-383ER	GPR	152	VN153	24358	263	G-VKNI
767-383ER	UKA	153	VN154	24475	273	UR-VVO
767-383ER	UKA	154	VN155	24476	274	UR-VVF
767-383ER	HXL	155	VN156	24477	337	PH-AHQ
767-383ER	UKA	156	VN157	24729	358	UR-VVG
767-383ER	ICE	157	VN158	25365	395	TF-FIB
767-383ER	GOT	162	VN163	24846	309	PR-VAO
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767-383ER	HXL	164	VN165	24848	325	PH-AHY
767-383ER	AMX	165	VN166	24849	330	XA-MIR
767-383ER	MAD	166	VN167	25088	359	5RMFG
767-383ER	LAN	167	VN168	26544	412	CC-CGN
767-31AER	MTH	275	VN221	24428	279	PH-MCG
767-31AER	MTH	276	VN222	24429	294	PH-MCH
767-31AER	MTH	277	VN223	25312	400	PH-MCI
767-31AER	MTH	278	VN224	26470	416	PH-MCM
767-31AER	MTH	280	VN672	26469	415	PH-MCL

SCANDINAVIAN AIRLINES SYSTEM
Revision No. 35

Aug 05/2009

To: All holders of this Boeing Document D280T132

Attached is the current revision to the 767 Wiring Diagram Manual (WDM).

The manual is available either as a printed manual, on microfilm, or digital products, or any combination of the three. This revision replaces all previous microfilm cartridges or digital products. All microfilm and digital products are reissued with all obsolete data deleted and all updated pages added.

For printed manuals, changes are indicated on the Effective Pages. The pages which are revised will be identified on the Effective Pages by an R (Revised), A (Added), O (Overflow, i.e. changes to the document structure and/or page layout), or D (Deleted). Each page in the Effective Pages is identified by Chapter-Section-Subject number, page number and page date. Pages replaced or deleted by this revision should be removed and destroyed.

All pages are included in this revision. Revision bars on the pages identify current revision changes.

NOTE: IF YOU RECEIVE PRINTED REVISIONS, PLEASE VERIFY THAT YOU HAVE RECEIVED AND FILED THE PREVIOUS REVISION. BOEING MUST BE NOTIFIED WITHIN 30 DAYS IF YOU HAVE NOT RECEIVED THE PREVIOUS REVISION. REQUESTS FOR REVISIONS OTHER THAN THE PREVIOUS REVISION WILL REQUIRE A COMPLETE MANUAL REPRINT SUBJECT TO REPRINT CHARGES SHOWN IN THE DATA AND SERVICES CATALOG.

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	24	JUN 06/2008	ELECTRICAL POWER
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BOEING REVISION RECORD

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Revision		Filed	
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21-0070	Mar 18/1997	C	150-152	21-61-61 21-61-71 31-41-15	AIR CONDITIONING - TEMPERATURE CONTROL AND AIR DISTRIBUTION - TRI-CLASS INTERIOR ARRANGEMENT MODIFICATION
21-0076 R01	Sep 04/2008	S	050 150-154 275-276	21-51-11	AIR CONDITIONING - COOLING - EICAS - MESSAGE DELETION
21-0078	Mar 18/1997	C	150-154 275-276	21-28-11 21-51-11	AIR CONDITIONING - HEATING - FORWARD CARGO COMPARTMENT HEATING SYSTEM WIRING REVISION
21-0079	Mar 18/1997	C	150-154 275		AIR CONDITIONING - COOLING - PACK FLOW AND CARGO AIR CONDITIONING CONTROLLER MODIFICATION
21-0083	Mar 18/1997	C	050-051 150-154 162-165 275-276		AIR TRAFFIC CONTROL TRANSPONDER WIRING CHANGE
21-0085	Mar 18/1997	C	150-152	21-64-11	AIR CONDITIONING - TEMPERATURE CONTROL - TRIM AIR MODULATING VALVE - AUXILIARY MIDDLE AND FORWARD MODULATING VALVES WIRING MODIFICATION
21-0086	Mar 18/1997	C	150-154 275	21-26-31 21-43-11	AIR CONDITIONING - VENTILATION - FORWARD CARGO COMPARTMENT - WIRING MODIFICATION
21-0105 R01	Mar 18/1997	C	162-164	21-58-16	AIR CONDITIONING - VENTILATION - AFT EQUIPMENT/LAVATORY/ GALLEY VENTILATION FAN WIRING CHANGE
21-0106 R01	Mar 18/1997	C	153-154	21-58-16	AIR CONDITIONING - COOLING - EQUIPMENT COOLING CONTROL CIRCUIT CHANGE
21-0111 R01	Sep 17/1997	C	050-051 150-157 162-167 275-277	21-45-21 21-45-24	AIR CONDITIONING - HEATING - AFT DOOR SUPPLEMENTAL HEATER ADDITION

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21-0139 R01	Sep 25/2003	C	275-278 280	21-25-11 21-25-21 21-45-21 21-45-22 21-45-24 21-58-12 24-51-13 24-51-23 24-54-11 32-09-11 91-02-74	AIR CONDITIONING - HEATING - RIGHT FORWARD DOOR SUPPLEMENTAL HEATER REVISION
21A0098 R01	Mar 18/1997	C	051 150-154	21-44-11 21-44-21	AIR CONDITIONING - PRESSURIZATION CONTROL - BULK CARGO VENTILATION FLAPPER VALVE - DELETION
22-0038	Mar 18/1997	C	050-051 150-156 162-166 275-276		AUTOFLIGHT - AUTOPILOT (FLIGHT CONTROL) - FLIGHT CONTROL COMPUTER REPLACEMENT
22-0046	Mar 18/1997	S	050-051 150-156 162-166	22-11-12 22-11-22 22-11-32	AUTOFLIGHT - AUTOPILOT (FLIGHT CONTROL) - FLIGHT CONTROL COMPUTER WIRE CHANGE
22-0062	Jun 26/1998	C	150-157 162-167	22-21-11 22-21-21 22-21-31 34-51-11 34-55-11 34-61-15 34-61-17	AUTOFLIGHT - YAW DAMPER MODULE REPLACEMENT AND WIRING MODIFICATION
22-0062	Jun 17/1997	C	275-278 280	22-21-11 22-21-21 22-21-31 34-51-11 34-55-11 34-61-15 34-61-17	AUTOFLIGHT - YAW DAMPER MODULE REPLACEMENT AND WIRING MODIFICATION
22A0039	Mar 18/1997	C	050-051 150-155 162-165 275-276		AUTOFLIGHT - AUTOPILOT (FLIGHT CONTROL) - AFCS MODE CONTROL PANEL CHANGE
23-0032 R01	Mar 18/1997	C	150-152	23-31-11 23-51-11 23-51-21 23-51-41	COMMUNICATIONS - AUDIO - INTEGRATING - AUDIO SELECTOR PANEL REPLACEMENT
23-0041	Mar 18/1997	C	153-154 275-276	23-31-11	COMMUNICATIONS - AUDIO INTEGRATING - E2-5 SHELF DIODE REMOVAL

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23-0052	Mar 18/1997	C	050-051 150-154 162-164 275-276		COMMUNICATIONS - INTERPHONE AUDIO SELECTOR PANEL REPLACEMENT
24-0059	Mar 18/1997	C	050-051 150-154 275-276	24-11-11 24-11-21 76-11-11	ELECTRICAL POWER - GENERATOR DRIVE - INTEGRATED DRIVE GENERATOR (IDG) - DISCONNECT MODIFICATION
24-0064	Mar 18/1997	C	150-154 275-276	24-31-11 24-32-11 24-33-11 24-34-11 24-51-31 34-21-21	ELECTRICAL POWER - ELECTRICAL LOAD DISTRIBUTION - CENTER BUS ISOLATION WIRE CHANGE
24-0069 R03	Mar 18/1997	C	050-051 150-155 162-165 275-276	24-51-11 24-51-14 34-53-11	ELECTRICAL POWER - AC GENERATION - HYDRAULIC MOTOR GENERATOR (HMG) - POWER FOR LEFT AIR TRAFFIC CONTROL (ATC) TRANSPONDER - REVISION
24-0069 R03	Jun 26/1998	C	156-157 166-167 277-278 280	24-51-11 24-51-14 34-53-11	ELECTRICAL POWER - AC GENERATION - HYDRAULIC MOTOR GENERATOR (HMG) - POWER FOR LEFT AIR TRAFFIC CONTROL (ATC) TRANSPONDER - REVISION
24-0070	Mar 18/1997	C	153-154	21-58-16	ELECTRICAL POWER - GALLEY POWER SHUTDOWN DURING POWER TRANSFER - WIRE CHANGE
24-0080 R01	Jun 06/2008	S	050-051 150-157 162-167 275-278 280	24-11-11 24-11-21	ELECTRICAL POWER - AC GENERATION - IDG LOW OIL LEVEL EICAS MESSAGE - WIRING INSTALLATION
24-0100	Sep 17/1997	S	050-051 150-155 162-167 275-278	24-21-41	ELECTRICAL POWER - ALTERNATE CURRENT (AC) GENERATOR - AUXILIARY POWER UNIT (APU) - POWER FEEDER REVISION

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24-0100	Jun 26/1998	S	156-157	24-21-41	ELECTRICAL POWER - ALTERNATE CURRENT (AC) GENERATOR - AUXILIARY POWER UNIT (APU) - POWER FEEDER REVISION
24-0100	Aug 15/2007	S	280	24-21-41	ELECTRICAL POWER - ALTERNATE CURRENT (AC) GENERATOR - AUXILIARY POWER UNIT (APU) - POWER FEEDER REVISION
24-0103	Jan 07/1999	C	050-051 150-157 162-167	24-22-41 24-27-41	ELECTRICAL POWER - AC GENERATION - P61 PANEL APU GENERATOR CONTROL AND ANNUNCIATION MODIFICATION
24-0103	Dec 18/1997	S	275-278 280	24-22-41 24-27-41	ELECTRICAL POWER - AC GENERATION - P61 PANEL APU GENERATOR CONTROL AND ANNUNCIATION MODIFICATION
24-0109 R01	Mar 27/2001	S	050 150 152-157 162-167	24-11-11 24-11-21 91-02-71 91-02-74	ELECTRICAL POWER - GENERATOR DRIVE - INTERGRATED DRIVE GENERATOR (IDG) AIR/OIL COOLER VALVE POSITION INDICATOR ELECTRICAL POWER CHANGE
24-0109 R01	Apr 26/2002	S	151	24-11-11 24-11-21 91-02-71 91-02-74	ELECTRICAL POWER - GENERATOR DRIVE - INTERGRATED DRIVE GENERATOR (IDG) AIR/OIL COOLER VALVE POSITION INDICATOR ELECTRICAL POWER CHANGE
24-0160	Jun 06/2008	S	050-051 150-157 162-167 275-278 280		ELECTRICAL POWER - STANDBY POWER GENERATION - REMOVAL AND REPLACEMENT OF THE STATIC INVERTER MODULE
24A0085	Mar 18/1997	C	050-051 150-157 162-167		ELECTRICAL POWER - DC GENERATION - STANDBY POWER - STATIC INVERTER REPLACEMENT

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	24A0085	Jun 06/2008	S	275-278 280		ELECTRICAL POWER - DC GENERATION - STANDBY POWER - STATIC INVERTER REPLACEMENT
	24A0111 R01	Jul 08/1999	C	050-051 150-157 162-167	24-31-41	ELECTRICAL POWER - DC GENERATION - APU BATTERY DUAL GROUND INSTALLATION
	25-0113 R04	Mar 18/1997	C	150-154 275	21-45-21 21-45-22 24-51-13 24-54-11 32-09-11	EQUIPMENT/FURNISHINGS - EMERGENCY - OFF-WING ESCAPE SYSTEM - ESCAPE HATCH HEATER BLANKET INSTALLATION
	25-0180 R03	Mar 18/1997	C	050-051 155-157 162-166	25-33-11	EQUIPMENT/FURNISHINGS - BUFFET/GALLEY - REFRIGERATION - GALLEY CHILLER LATCH RELAY WIRE DELETION
	25-0180 R05	Sep 25/2003	C	277	25-33-11	EQUIPMENT/FURNISHINGS - BUFFET/GALLEY - REFRIGERATION - GALLEY CHILLER LATCH RELAY WIRE DELETION
R	25-0325	Jun 05/2003	S	050-051	33-13-16 33-16-17 52-51-11	EQUIPMENT AND FURNISHINGS - FLIGHT COMPARTMENT DOOR - FLIGHT COMPARTMENT DOOR REPLACEMENT
R	25-0325	Jan 21/2005	X	150 153		EQUIPMENT AND FURNISHINGS - FLIGHT COMPARTMENT DOOR - FLIGHT COMPARTMENT DOOR REPLACEMENT
R	25-0325	Jun 05/2003	C	155 157 276-278 280	33-13-16 33-16-17 52-51-11	EQUIPMENT AND FURNISHINGS - FLIGHT COMPARTMENT DOOR - FLIGHT COMPARTMENT DOOR REPLACEMENT
R	25-0325 R02	Jun 05/2003	S	163-165	33-13-16 33-16-17 52-51-11	EQUIPMENT AND FURNISHINGS - FLIGHT COMPARTMENT DOOR - FLIGHT COMPARTMENT DOOR REPLACEMENT
R	25-0325 R03	Jun 05/2003	S	162	33-13-16 33-16-17 52-51-11	EQUIPMENT AND FURNISHINGS - FLIGHT COMPARTMENT DOOR - FLIGHT COMPARTMENT DOOR REPLACEMENT

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R	25-0325 R07	Sep 25/2003	S	156	33-13-16 33-16-17 52-51-11	EQUIPMENT AND FURNISHINGS - FLIGHT COMPARTMENT DOOR - FLIGHT COMPARTMENT DOOR REPLACEMENT
R	25-0325 R14	Aug 30/2004	S	166	33-13-16 33-16-17 52-51-11	EQUIPMENT AND FURNISHINGS - FLIGHT COMPARTMENT DOOR - FLIGHT COMPARTMENT DOOR REPLACEMENT
	25-0332	Jan 21/2005	C	150 153	33-13-16 33-16-17 52-51-11	FLIGHT DECK DOOR SECURITY
	25-0332	Jun 05/2003	S	151-152 275	33-13-16 33-16-17 52-51-11	FLIGHT DECK DOOR SECURITY
	25-0332	Jan 21/2005	X	163-165		FLIGHT DECK DOOR SECURITY
	25-0332 R02	Jun 05/2003	S	154	33-13-16 33-16-17 52-51-11	EQUIPMENT AND FURNISHING - FLIGHT COMPARTMENT DOOR - FLIGHT COMPARTMENT DOOR REPLACEMENT
	25-0332 R09	Mar 14/2007	S	151-152 154 275	52-51-11	EQUIPMENT AND FURNISHINGS - FLIGHT COMPARTMENT DOOR - FLIGHT COMPARTMENT DOOR REPLACEMENT
	25A0285	Apr 26/2002	C	050 150 152-157 162-167 275-278	21-45-22	EQUIPMENT/FURNISHINGS - EMERGENCY - OFF-WING ESCAPE SYSTEM - TYPE III ESCAPE HATCH HEATER BLANKET AND INSULATION CHANGE
	25A0285	Apr 26/2002	S	051 151	21-45-22	EQUIPMENT/FURNISHINGS - EMERGENCY - OFF-WING ESCAPE SYSTEM - TYPE III ESCAPE HATCH HEATER BLANKET AND INSULATION CHANGE

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26-0047	Mar 18/1997	C	150-154	26-21-11 26-23-11 26-23-12	FIRE PROTECTION - EXTINGUISHING - ENGINE EXTINGUISHING AND CARGO COMPARTMENT EXTINGUISHING - WIRE AND PLUMBING MODS FOR -300 AIRPLANES WITH 120 MINUTE SYSTEM
26-0057	Mar 18/1997	C	050-051 150-155 162-165 275-276	26-16-11 26-16-21	FIRE PROTECTION - DETECTION - CARGO COMPARTMENT SMOKE DETECTORS - MODIFICATION
26-0064	Mar 18/1997	C	050-051 150-155 162-167 275-276		FIRE PROTECTION - EXTINGUISHING - ENGINE FIRE EXTINGUISHING - ENGINE FIRE CONTROL PANEL REPLACEMENT
26-0066	Mar 18/1997	C	050-051 150-155 162-165 275-276	26-22-21	FIRE PROTECTION - APU FIRE DETECTION - APU REMOTE CONTROL PANEL LIGHT ASSEMBLY REPLACEMENT
26-0079	Jun 17/1997	C	050-051 150-157 162-167 275-278 280	26-18-11	FIRE PROTECTION - DETECTION - DUCT LEAK DETECTION SYSTEMS - STRUT OVERHEAT TEST - WIRE CHANGE
26A0074	Mar 18/1997	C	162-164		FIRE PROTECTION - EXTINGUISHING CARGO COMPARTMENT FIRE EXTINGUISHING ARMED SWITCHES WIRING MODIFICATION
27-0096	Mar 18/1997	S	050-051 150-157 162-166		FLIGHT CONTROLS - TRAILING EDGE FLAPS - CONTROL VALVE MODULE - BYPASS VALVE MOTOR REPLACEMENT
27-0098	Mar 18/1997	C	150-152		FLIGHT CONTROLS - STALL WARNING COMPUTER MODIFICATION
27-0102 NSC03	Apr 26/2002	S	050-051 150-157 162-166	27-41-11 27-41-21	FLIGHT CONTROLS - HORIZONTAL STABILIZER - STABILIZER TRIM CUTOFF SWITCH ADDITION

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27-0108 R02	Mar 18/1997	C	050-051 150-157 162-166 275-277	27-51-61 27-81-31	FLIGHT CONTROLS - LEADING EDGE SLATS AND TRAILING EDGE FLAPS - HIGH LIFT SYSTEM - PRESSURE SWITCH INSTALLATION, WIRING ADDITION AND RVDT CHANGE
27-0131	Mar 18/1997	S	050-051 150-157 162-167 275-278 280	27-51-61	FLIGHT CONTROLS - FLAPS - FLAP/SLAT ELECTRONIC UNIT POWER INPUT FILTER INSTALLATION
27-0133	Jul 23/2001	C	050-051 150-157 162-167 275-278 280	27-51-11 27-81-11 27-81-21	FLIGHT CONTROLS - TRAILING EDGE FLAP AND LEADING EDGE SLAT SYSTEMS - BYPASS VALVE CONTROL WIRING REVISION
27-0145	Jun 26/1998	S	050-051 150-157 162-167 275-276	27-09-13	FLIGHT CONTROLS - RUDDER - CHANGE THE RUDDER RATIO CHANGER HYDRAULIC PRESSURE SWITCH WIRING
27-0165	Sep 25/2003	C	150 152-157 162-167 275-278 280	27-89-11 91-02-74	FLIGHT CONTROLS - LEADING EDGE SLAT SYSTEM - SLAT SKEW DETECTION SYSTEM DEACTIVATION
27A0140	Apr 07/1999	C	150 152-157 162-167 275-278	27-32-11 27-32-21 27-81-21 27-88-11 27-89-11	FLIGHT CONTROLS - LEADING EDGE SLAT SYSTEM - SLAT SKEW DETECTION SYSTEM INSTALLATION
27A0140	Jun 26/1998	S	151	27-32-11 27-32-21 27-81-21 27-88-11 27-89-11	FLIGHT CONTROLS - LEADING EDGE SLAT SYSTEM - SLAT SKEW DETECTION SYSTEM INSTALLATION
27A0140 R01	Jul 08/1999	C	150 152-157 275-278	27-32-11 27-32-21 27-81-21 27-88-11 27-89-11	FLIGHT CONTROLS - LEADING EDGE SLAT SYSTEM - SLAT SKEW DETECTION SYSTEM INSTALLATION
27A0140 R01	Apr 07/1999	C	280	27-32-11 27-32-21 27-81-21 27-88-11 27-89-11	FLIGHT CONTROLS - LEADING EDGE SLAT SYSTEM - SLAT SKEW DETECTION SYSTEM INSTALLATION

A = Added, R = Revised, D = Deleted

Number	Incorporated	Started/ Completed	Effectivity	ATA	Subject
27A0160	Apr 26/2002	C	050 150 152-157 162-167 275-278 280	27-62-11 30-34-11 30-81-11 32-09-13 91-02-67	FLIGHT CONTROLS - SPOILERS AND DRAG DEVICES - AUTO SPEEDBRAKE CONTROL SYSTEM - INSTALLATION OF THE MAIN LANDING GEAR TRUCK TILT SENSOR AND WIRING
27A0160 R01	Mar 09/2006	C	050-051 150-157 162-167 275-278 280	27-62-11 30-31-11 30-31-13 30-34-11 32-09-13 91-02-67	FLIGHT CONTROLS - SPOILERS AND DRAG DEVICES - AUTO-SPEEDBRAKE CONTROL SYSTEM - INSTALLATION OF THE MAIN LANDING GEAR TRUCK TILT SENSOR AND WIRING
28-0030	Mar 18/1997	C	051	28-31-11 28-31-12 34-61-14 34-61-24	FUEL - FUEL JETTISON SYSTEM - ACTIVATE LOW FLOW SYSTEM
28-0031	Jul 08/1999	S	050-051 150-156 162-166 275-276	28-21-11	FUEL - DISTRIBUTION - FUELING CONTROL PANEL LIGHT CIRCUIT BREAKER INSTALLATION
28-0034 R02	Apr 07/1999	S	050-051 150-157 162-167 275-278 280	24-54-71 28-22-11 28-22-31 28-25-11 28-25-31 28-42-12 28-42-31	FUEL - DISTRIBUTION - DUAL CROSSFEED VALVE INSTALLATION
28-0038 R02	Sep 17/1997	S	155-157 165-167 277-278 280	28-31-12 28-31-21 28-42-13	FUEL - DUMP - FUEL JETTISON SYSTEM ACTIVATION
28-0066 R01	Mar 14/2007	S	155 163-164 275-278 280	28-22-21	FUEL - DISTRIBUTION - FUEL SPAR SHUTOFF VALVE WIRING REVISION
28A0083 R01	Feb 06/2009	S	050-051 150-157 162-167 275-278 280	28-22-12 28-42-12 91-02-71 91-02-74	FUEL SYSTEM - ENGINE FUEL FEED SYSTEM - FUEL PUMP INLET PROTECTION - AUXILIARY FUEL TANK PUMP AUTOMATIC SHUT OFF INSTALLATION
28A0285 R03	Jun 06/2008	S	280	21-45-22	EQUIPMENT/FURNISHINGS - EMERGENCY - OFF-WING ESCAPE SYSTEM - TYPE III ESCAPE HATCH HEATER BLANKET AND INSULATION CHANGE

A = Added, R = Revised, D = Deleted

Number	Incorporated	Started/ Completed	Effectivity	ATA	Subject
29-0067	Jun 17/1997	C	050-051 150-157 162-167 275-278 280	29-33-11	HYDRAULIC POWER - INDICATING - HYDRAULIC QUANTITY MONITOR UNIT (HQMU) - GROUND STUD ADDITION AND WIRING CHANGE
30-0015	Mar 18/1997	C	150-154 275-276	30-41-11 30-41-12	ICE AND RAIN PROTECTION - WINDOWS, WINDSHIELD AND DOORS - WINDOW HEAT SENSOR TERMINAL BLOCK REVISION
30-0017	Mar 18/1997	S	150-154	21-51-11 24-51-11 24-51-21 24-54-21 24-54-71 30-11-11 30-21-11 30-81-11 32-09-11 73-21-16 73-21-19	ICE AND RAIN PROTECTION - AIRFOIL - WING THERMAL ANTI-ICING - INSTALL AUTOMATIC ACTIVATION OF WING AND ENGINE ANTI-ICING SYSTEMS
30-0021 R05	Mar 18/1997	C	155	30-11-11	ICE AND RAIN PROTECTION - AIRFOIL - WING THERMAL ANTI-ICING - VALVE INDICATION LIGHTS WIRING CHANGE
30-0024	Mar 18/1997	S	050-051 150-157 162-167 275-278 280	30-71-23	ICE AND RAIN PROTECTION - WATER LINES - RIBBON HEATER AND THERMOSTAT INSTALLATION
30-0028	Jul 08/1999	C	050-051 150-157 162-167	30-43-11	ICE AND RAIN PROTECTION - WINDOWS, WINDSHIELD AND DOORS - WINDSHIELD RAIN REPELLENT SYSTEM - RAIN REPELLENT SYSTEM TEMPORARY DEACTIVATION
30A0018	Mar 18/1997	S	150-152		ICE AND RAIN PROTECTION - WATER SUPPLY AND DRAIN LINE TAPES - HEATER TAPE REPLACEMENT
31-0031	Mar 18/1997	C	150-154	23-22-15 24-51-52 31-35-11 34-61-14 34-61-15	INDICATING/RECORDING - INDEPENDENT INSTRUMENTS - AIRBORNE DATA LOADER/ RECORDER INSTALLATION

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Number	Incorporated	Started/ Completed	Effectivity	ATA	Subject
31-0033	Mar 18/1997	C	150-154 275-276		INDICATING/RECORDING - CENTRAL COMPUTERS - ENGINE INDICATION AND CREW ALERTING SYSTEM COMPUTER REPLACEMENT
31-0040 R01	Mar 18/1997	C	050-051 150-154 162-163 275-276		INDICATING/RECORDING - CONTROL WHEEL - POSITION TRANSMITTER - ACTIVATION
31-0040 R02	Jan 28/2002	S	050-051 151 275-276	31-31-15	INDICATING/RECORDING - CONTROL WHEEL - POSITION TRANSMITTER - ACTIVATION
31-0040 R02	Jan 28/2002	C	150 152-154 162-163	31-31-15	INDICATING/RECORDING - CONTROL WHEEL - POSITION TRANSMITTER - ACTIVATION
31-0043	Mar 18/1997	C	050-051 150-154 162-163 275-276	31-31-11 31-31-17	INDICATING/RECORDING - RECORDERS - FLIGHT DATA RECORDING OF HF/ VHF KEYING
31-0076	Mar 18/1997	S	280	31-35-14	INDICATING/RECORDING SYSTEMS - RECORDERS - DATA MANAGEMENT UNIT AND LEFT ENGINE SUPPLEMENTAL CONTROL UNIT WIRING ADDITION
31-0098	Jan 21/2005	X	050-051 150-157 162-167 275-278 280		EICAS COMPUTER - E8 RACK
31-0100	Apr 07/1999	S	050-051 151 275-278 280	31-41-15	INDICATING/RECORDING SYSTEMS - CENTRAL COMPUTERS - ENGINE INDICATION AND CREW ALERTING SYSTEM - EICAS COMPUTER REPLACEMENT AND WIRE CHANGE
31-0100	Dec 20/2000	C	150 152-157 162-167	31-41-15	INDICATING/RECORDING SYSTEMS - CENTRAL COMPUTERS - ENGINE INDICATION AND CREW ALERTING SYSTEM - EICAS COMPUTER REPLACEMENT AND WIRE CHANGE

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	Number	Incorporated	Started/ Completed	Effectivity	ATA	Subject
R	31-0149	Mar 27/2001	S	050-051 150-157 162-167 275-278 280	31-51-31 31-51-32	INDICATING/RECORDING SYSTEMS - CENTRAL WARNING SYSTEM - WARNING ELECTRONICS UNIT CARD MODULES - RESETTABLE AURAL SIREN FOR OVERSPEED WARNING
	31-0208	Apr 22/2004	S	153	28-41-11 34-61-13 34-61-23	INSTRUMENTATION WITH ENGLISH UNITS CALIBRATION-WITH AIRPLANE FLIGHT MANUAL,OPERATIONS MANUAL AND WEIGHT AND BALANCE REVISIONS-RETROFIT DATA KIT
	31-0248	Mar 14/2007	S	153	28-41-11 34-61-13 34-61-23	FUEL QUANTITY INDICATION SYSTEM(FQIS), EICAS, FMCS - METRIC UNITS IN LIEU OF ENGLISH
	32-0084	Mar 18/1997	C	150-154 275		LANDING GEAR - EXTENSION AND RETRACTION - LANDING GEAR CONTROL LEVER MODULE MODIFICATION
	32-0085	Mar 18/1997	C	275-276	23-41-11 23-43-11 23-51-11 26-15-12 26-22-21 31-41-15 32-45-11 32-45-12 32-45-13 32-45-14 33-31-11 33-51-21 49-61-11	LANDING GEAR - TIRE PRESSURE INDICATION SYSTEM INSTALLATION
	32-0214	Mar 14/2007	S	157 162	32-45-11 32-45-12 32-45-13 32-45-14	DEACTIVATE TIRE PRESSURE MONITORING SYSTEM (TPIS)-RETROFIT DATA KIT
	33-0030	Mar 18/1997	C	150-154	33-44-11	LIGHTS - EXTERIOR LIGHTS - LOWER ANTI-COLLISION LIGHT POWER SUPPLY RELOCATION
	33-0037	Mar 18/1997	C	150	33-26-11	LIGHTS - LAVATORY LIGHTS - P19 LIGHTING PANEL WIRE MODIFICATION

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	Number	Incorporated	Started/ Completed	Effectivity	ATA	Subject
	33-0041	Mar 18/1997	C	050-051 150-155 162-165	33-26-21	LIGHTS - ATTENDANT'S PANEL - PURSER'S LIGHTING CONTROL PANEL REVISION
	33-0042	Mar 18/1997	S	275-276	23-34-13 23-42-11 33-25-11 33-51-12 33-51-13	LIGHTS - EMERGENCY LIGHTING - ELECTRICALLY ILLUMINATED EXIT SIGN - LAVATORY AND ATTENDANT CALL LIGHTS INSTALLATION
	33-0046	Mar 18/1997	C	162-163		LIGHTS - PASSENGER COMPARTMENT LIGHTS - SIDEWALL WASH LIGHT - BALLAST REPLACEMENT
	33-0054	Mar 18/1997	C	275-277 280	33-21-11	LIGHTS - PASSENGER COMPARTMENT LIGHTS - PASSENGER COMPARTMENT ILLUMINATION - FORWARD INDIRECT CEILING LIGHT CHANGES
A	33A0075 R01	Aug 05/2009	S	050-051 150-157 162-167 275-278		LIGHTS - ANTI-COLLISION LIGHTS - LOWER BODY ANTI-COLLISION LIGHT WIRE BUNDLE INSPECTION AND MODIFICATION OR REPLACEMENT
A	33A0075 R01	Aug 05/2009	C	280		LIGHTS - ANTI-COLLISION LIGHTS - LOWER BODY ANTI-COLLISION LIGHT WIRE BUNDLE INSPECTION AND MODIFICATION OR REPLACEMENT
D	33A0075 R1	Feb 06/2009	S	050-051 150-157 162-167 275-278		LIGHTS - ANTI-COLLISION LIGHTS - LOWER BODY ANTI-COLLISION LIGHT WIRE BUNDLE INSPECTION AND MODIFICATION OR REPLACEMENT
D	33A0075 R1	Feb 06/2009	C	280		LIGHTS - ANTI-COLLISION LIGHTS - LOWER BODY ANTI-COLLISION LIGHT WIRE BUNDLE INSPECTION AND MODIFICATION OR REPLACEMENT

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Number	Incorporated	Started/ Completed	Effectivity	ATA	Subject
34-0082	Mar 18/1997	C	150-154	24-54-11 34-53-11 34-53-12 34-53-13 34-53-21 34-53-22	NAVIGATION - DEPENDENT POSITION DETERMINING - ATC MODE S SYSTEM INSTALLATION
34-0086	Mar 18/1997	C	150-152	34-24-11	NAVIGATION - ATTITUDE AND DIRECTION - STANDBY ATTITUDE INDICATOR - BACKCOURSE MODE REMOVAL
34-0091 R01	Mar 18/1997	C	150-152 275-276	23-12-21 24-51-11 27-61-11 31-51-31 31-51-32 32-42-11 34-22-16 34-22-26 34-22-36 34-45-11 34-45-13 34-45-14 34-46-11 34-53-11 34-53-21	NAVIGATION - INDEPENDENT POSITION DETERMINING - TRAFFIC ALERT AND COLLISION AVOIDANCE SYSTEM II (TCAS II) PARTIAL PROVISIONS INSTALLATION
34-0100	Mar 18/1997	C	050-051 150-157 162-167	34-21-11 34-21-21 34-21-31	NAVIGATION - ATTITUDE AND DIRECTION - INERTIAL REFERENCE UNIT REPLACEMENT
34-0108 R01	Mar 18/1997	C	050-051 153-154 162-166		NAVIGATION - INDEPENDENT POSITION DETERMINING - COLLISION AVOIDANCE - CONNECTOR KEYING CHANGE
34-0131	Mar 18/1997	C	277-278 280	31-51-31 34-61-13 34-61-14 34-61-15 34-61-16 34-61-17 34-61-23 34-61-25 34-61-26 34-61-27	NAVIGATION - POSITION COMPUTING - FLIGHT MANAGEMENT COMPUTER SYSTEM - SOFTWARE AND WIRE CHANGES

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Number	Incorporated	Started/ Completed	Effectivity	ATA	Subject
34-0133	Mar 18/1997	S	153-154	31-51-31 31-51-32 32-09-21 34-22-14 34-22-15 34-22-16 34-22-19 34-22-26 34-22-29 34-22-36 34-22-39 34-33-11 34-45-11 34-45-12 34-45-13 34-45-14	NAVIGATION - INDEPENDENT POSITION DETERMINING - TRAFFIC ALERT AND COLLISION AVOIDNACE SYSTEM II (TCAS) - PROVISIONS UPGRADE
34-0137	Mar 18/1997	C	275-276	34-61-13 34-61-14 34-61-23 34-61-24	NAVIGATION - POSITION COMPUTING - FLIGHT MANAGEMENT COMPUTER SYSTEM - PRODUCT INPROVEMENT PACKAGE (PIP)
34-0149 R01	Mar 18/1997	C	050-051 155-157 162-167 275-278 280		NAVIGATION - DEPENDENT POSITION DETERMINING - ATC MODE S TRANSPONDER REPLACEMENT
34-0167	Mar 18/1997	C	275-276	34-22-19 34-22-29 34-22-81 34-22-91 34-45-14 34-51-11 34-51-21 34-55-11 34-55-21 34-61-15 34-61-16 34-61-17 34-61-25 34-61-27	NAVIGATION - DEPENDENT POSITION DETERMINING - FMCS PRODUCT IMPROVEMENT PACKAGE (PIP) - DME SYSTEM ACTIVATION
34-0168	Mar 18/1997	C	275-276	34-61-15 34-61-16 34-61-25 34-61-26	NAVIGATION - POSITION COMPUTING - FLIGHT MANAGEMENT COMPUTER SYSTEM - PRODUCT IMPROVEMENT PACKAGE (PIP) - DUAL INDEPENDENT MAP DISPLAY ACTIVATION

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Number	Incorporated	Started/ Completed	Effectivity	ATA	Subject
34-0202	Mar 18/1997	S	275-278 280	34-21-11 34-21-21 34-21-31	NAVIGATION - ATTITUDE AND DIRECTION - INERTIAL REFERENCE SYSTEM - UPDATED MAGNETIC VARIATION TABLE ACTIVATION
34-0206 R01	Mar 18/1997	C	150-157 162-167	34-21-11 34-21-21 34-21-31	NAVIGATION - ATTITUDE AND DIRECTION - INERTIAL REFERENCE SYSTEM - UPDATED AND EXTENDED MAGNETIC VARIATION TABLE ACTIVATION
34-0241	Dec 18/1997	C	275-278 280	34-61-13 34-61-15 34-61-23 34-61-25	FMC/ACARS INTERFACE (PIP)
34-0243	Mar 18/1997	S	150-157 162-167	34-61-13 34-61-23	FMC EXTENDED MAGVAR TABLES
34-0253 R01	Oct 23/2001	C	050 150 152-157 162-167	27-32-21 34-61-25 34-61-26	NAVIGATION - FLIGHT MANAGEMENT COMPUTING - FLIGHT MANAGEMENT SYSTEM - FMC INPUT TO STALL WARNING CARD
34-0393	Mar 09/2006	S	154 156		NAVIGATION - ALTITUDE ALERT SYSTEM - ALTITUDE ALERT MODULE REPLACEMENT
34-0544	Mar 14/2007	S	157	34-61-16 34-61-26	NAVIGATION - FLIGHT MANAGEMENT COMPUTER SYSTEM - REPLACEMENT OF THE NON-PRODUCT IMPROVEMENT PACKAGE FLIGHT MANAGEMENT COMPUTERS WITH PEGASUS FLIGHT MANAGEMENT COMPUTERS
34A0332 R02	May 20/2005	S	050-051 150-157 162-167 275-278 280	24-54-21 24-54-73 27-32-11 27-32-21 31-31-12 34-12-12 34-12-22 34-12-61 34-12-62	NAVIGATION - FLIGHT ENVIRONMENT DATA - AIR DATA COMPUTING SYSTEM - AIR DATA SWITCHING SYSTEM REVISION

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Number	Incorporated	Started/ Completed	Effectivity	ATA	Subject
35A0029	Jun 26/1998	C	050-051 150-157 162-167 275-278		OXYGEN - CREW OXYGEN - FLIGHT COMPARTMENT - WIRE BUNDLE REROUTING AND DIMMER MODULE RELOCATION TO ELIMINATE INTERFERENCE WITH CREW OXYGEN MASK STOWAGE BOXES
36-0026	Jan 07/1999	C	050-051 150-156 162-166	24-54-11 24-54-21 36-11-51 36-11-61 36-11-62	PNEUMATIC - DISTRIBUTION - BLEED AIR SUPPLY LOGIC - CHANGE TO COWL THERMAL ANTI-ICE (TAI) OVERRIDE LOGIC
36-0026	Mar 18/1997	S	275-276	24-54-11 24-54-21 36-11-51 36-11-61 36-11-62	PNEUMATIC - DISTRIBUTION - BLEED AIR SUPPLY LOGIC - CHANGE TO COWL THERMAL ANTI-ICE (TAI) OVERRIDE LOGIC
36-0026 IN06	Oct 23/2001	S	275-276	24-54-21 36-11-41 36-11-51 36-11-52 36-11-61 36-11-62	PNEUMATIC - DISTRIBUTION - BLEED AIR SUPPLY LOGIC - CHANGE TO COWL THERMAL ANTI-ICE (TAI) OVERRIDE LOGIC
36-0026 R02	Jul 08/1999	C	050-051 150-156 162-166	24-54-11 24-54-21 36-11-51 36-11-52 36-11-61 36-11-62	PNEUMATIC - DISTRIBUTION - BLEED AIR SUPPLY LOGIC - CHANGE TO COWL THERMAL ANTI-ICE (TAI) OVERRIDE LOGIC
36-0027	Mar 18/1997	C	150-154 275	24-54-11 24-54-21 36-11-51 36-11-52 36-11-61 36-11-62	PNEUMATIC - DISTRIBUTION - BLEED AIR SYSTEM - BLEED CONTROLLERS WIRING MODIFICATION
36-0028	Mar 18/1997	C	150-152		PNEUMATIC DISTRIBUTION - AIR SUPPLY PRESSURE INDICATING SYSTEM - ENGINE AIR SUPPLY PRESSURE SWITCH REPLACEMENT
36-0029 R05	Jan 07/1999	C	050-051 150-155 163-165	36-11-51 36-11-52 36-11-61 36-11-62 36-21-11 36-23-11 36-23-21	PNEUMATIC - INDICATING - AIR SUPPLY BITE MODULE - BITE MODULE REPLACEMENT AND ELECTRICAL WIRING CHANGE

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Number	Incorporated	Started/ Completed	Effectivity	ATA	Subject
36-0029 R05	Mar 18/1997	S	275-276	36-11-51 36-11-52 36-11-61 36-11-62 36-21-11 36-23-11 36-23-21	PNEUMATIC - INDICATING - AIR SUPPLY BITE MODULE - BITE MODULE REPLACEMENT AND ELECTRICAL WIRING CHANGE
36-0053	Feb 06/2009	S	050-051 150-157 162-167 275-278 280	36-11-61	PNEUMATIC - AIR SUPPLY DISTRIBUTION SYSTEM - HIGH PRESSURE SHUTOFF VALVE AND PRESSURE REGULATING VALVE - WIRE CHANGE (PW4000 ENGINES)
38-0026	Mar 18/1997	C	050 150-154 275-276	38-32-11 38-32-14	WATER/WASTE - WASTE DISPOSAL - WASTE SERVICE PANEL SENSOR FOULED LIGHT ADDITION
38-0031	Mar 18/1997	C	150-154 275-276	38-32-11	WATER/WASTE - WASTE DISPOSAL - WASTE LEVEL MEASUREMENT SYSTEM MODIFICATION
38-0035	Mar 18/1997	C	275-276	24-54-61 38-32-11 38-32-14	WATER/WASTE - WASTE DISPOSAL - ROSEMOUNT CONTINUOUS WASTE LEVEL MEASUREMENT SYSTEM INSTALLATION
38-0037	Mar 18/1997	S	050-051 155 162-165	33-51-11 38-32-11	WATER/WASTE - WASTE DISPOSAL - WASTE TANK LEVEL MEASUREMENT SYSTEM MODIFICATION
38-0038	Mar 18/1997	S	156 166	38-32-11 38-32-14 38-32-15	WATER/WASTE - WASTE DISPOSAL - WASTE TANK LEVEL MEASUREMENT SYSTEM WIRING MODIFICATION
38-0054 R01	Oct 23/2001	C	156-157 166-167 277-278 280	38-32-11	WATER/WASTE - TOILET SYSTEM - WASTE TANK LEVEL SENSORS - LEVEL TRANSFER RELAY MODIFICATION
71-0117	Aug 30/2004	S	166	22-32-14 31-41-15 34-61-14 34-61-24	PRATT & WHITNEY ENGINES - PW4060 TO PW4062 (INCREASE TAKEOFF THRUST RATING FROM 60,000 LBS TO 62,000 LBS.

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	Number	Incorporated	Started/ Completed	Effectivity	ATA	Subject
	71-0118	May 20/2005	S	165	22-32-14 31-41-15 34-61-14 34-61-24	PRATT & WHITNEY ENGINES - PW4060 TO PW4062 (INCREASE THRUST RATING FROM 60,000 TO 62,000 LBS.)
	71-0118	Aug 30/2004	S	167	22-32-14 31-41-15 34-61-14 34-61-24	PRATT & WHITNEY ENGINES - PW4060 TO PW4062 (INCREASE THRUST RATING FROM 60,000 TO 62,000 LBS.)
	71-0121	Aug 30/2004	S	153	73-21-14 73-21-17	THRUST BUMP RETROFIT-PW4060 ENGINES TO BUMP RATED PW4060C ENGINS
	71-0133	Aug 15/2007	S	165 167	22-32-14 31-41-15 34-61-14 34-61-24	MK - PRATT & WHITNEY ENGINES - PW4062 TO PW4060 (DECREASE TAKEOFF THRUST RATING FROM 62000 LBS TO 60000 LBS) - RETROFIT
	71-0136	Aug 15/2007	S	151	22-32-14 31-41-15 34-61-14 34-61-24	POWER PLANT - PW4000 POWER PLANT - INCREASE TAKEOFF THRUST FROM 60,000 POUNDS TO 62,000 POUNDS
A	71-0136 R02	Aug 05/2009	S	151	22-32-14 31-41-15 34-61-14 34-61-24	PW4000 PWR PLANT - INCREASE TAKEOFF THRUST FROM 60000 LBS TO 62000 LBS AND RETURN TO ORIGINAL CONFIGURATION
	72-0037, 72-0038	Oct 08/1999	S	050	22-32-14 34-61-14 34-61-24 73-21-14 73-21-17	PW ENGINES-GENERAL-INCREASE T/O THRUST RATING FROM 56,750 TO 60,000 POUNDS.
	72-0037	Jan 06/2000	S	051	22-32-14 34-61-14 34-61-24	PRATT & WHITNEY ENGINES - PW4056 TO PW4060 - INCREASE TAKEOFF THRUST RATING FROM 56,750 LBS TO 60,000 LBS THRUST
	72-0038	Jan 06/2000	S	051	73-21-14 73-21-17	THRUST BUMP - MANUAL OPERATION - PW4060 ENGINES - 3.0% AT MEXICO CITY AIRPORT
	72-0038	Apr 22/2004	S	151	73-21-14 73-21-17	THRUST BUMP - MANUAL OPERATION - PW4060 ENGINES - 3.0% AT MEXICO CITY AIRPORT

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Number	Incorporated	Started/ Completed	Effectivity	ATA	Subject
73-0036	Mar 18/1997	C	050-051 150-154 162-165 275-276	73-21-14	ENGINE FUEL AND CONTROL - CONTROLLING STANDBY ENGINE INDICATOR (SEI) WIRE CONNECTION MODIFICATION
73-0044 R01	Jan 07/1999	C	050-051 150-157 162-167	73-21-19 74-31-11 74-31-21	IGNITION (PW4000 ENGINES) - IGNITION GENERAL ENGINE IGNITION CONTROL - MINIMUM IDLE REVISION
73-0044 R01	Jul 23/2001	C	275-278 280	73-21-19 74-31-11 74-31-21	IGNITION (PW4000 ENGINES) - IGNITION GENERAL ENGINE IGNITION CONTROL - MINIMUM IDLE REVISION
73A0033	Jun 26/1998	C	051 275-276	73-21-19	ENGINE FUEL AND CONTROL (PW4000 ENGINES) - CONTROLLING - IDLE SYSTEM MODIFICATION
76-0024	Mar 18/1997	C	050 150-154	76-11-11	ENGINE CONTROLS (PW4000 ENGINES) - POWER CONTROL - ENGINE CONTROL SYSTEM - FUEL CONDITION CONTROL MOTOR ACTUATOR REPLACEMENT
76-0026	Mar 18/1997	C	275-276	24-54-11 24-54-21 24-54-61 28-25-31 31-35-14 31-35-15 31-35-17 31-41-15 73-21-11 73-21-18 77-12-12	ENGINE CONTROLS (PW4000 ENGINES) - ENGINE CONTROL SYSTEM - ADDITION OF ENGINE DATA MULTIPLEXING POWER CONDITIONING
76-0030 R02	Mar 18/1997	C	150-154	24-54-11 24-54-21 24-54-61 28-25-31 31-35-14 31-35-15 31-35-17 31-41-15 32-09-11 73-21-11 73-21-18 77-12-12	ENGINE CONTROLS (PW4000 ENGINES) - ENGINE CONTROL SYSTEM - ADDITION OF ENGINE DATA MULTIPLEXING POWER CONDITIONING

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Number	Incorporated	Started/ Completed	Effectivity	ATA	Subject
77-0007	Mar 18/1997	S	150-154 275-276		ENGINE INDICATING (PW4000 ENGINES) - ANALYZERS - PROPULSION INTERFACE AND MONITOR UNIT (PIMU) REPLACEMENT
77-0013	Mar 18/1997	C	150-154	77-31-11	ENGINE INDICATING - ANALYZERS - AIRBORNE VIBRATION MONITORING (AVM) SYSTEM - SIGNAL CONDITIONERS REPLACEMENT
77-0017	Feb 06/2009	S	050-051 150-155 162-165 275-276	77-12-11	ENGINE INDICATING (PW4000 ENGINES) - POWER ENGINE PRESSURE RATIO (EPR) INDICATING SYSTEM - N1 WIRE CAP AND STOW
78-0051FAA	Mar 18/1997	C	050-051 150-156 162-166 275-276	24-54-21 24-54-71 24-54-73 32-09-11 32-09-12 32-09-13 78-34-11 78-34-21 78-36-11 78-36-21	EXHAUST (PW4000 ENGINES) - THRUST REVERSER HYDRAULIC AND ELECTRICAL SYSTEM REWORK
78-0051	Mar 18/1997	C	050-051 150-156 162-166 275-276		EXHAUST (PW4000 ENGINES) - THRUST REVERSER HYDRAULIC AND ELECTRICAL SYSTEM REWORK
78-0062 R04	Mar 18/1997	C	050-051 150-157 162-167 275-278 280	24-54-21 24-54-71 24-54-73 32-09-11 32-09-12 78-34-11 78-34-21 78-36-11 78-36-21 91-03-12	EXHAUST (PW4000 ENGINES) - THRUST REVERSER - THRUST REVERSER HYDRAULIC ACTUATOR - SYNCHRONOUS LOCK INSTALLATION
SL-21-26	Mar 18/1997	C	051 150-154 275-276	21-44-21	DEACTIVATION OF BULK CARGO COMPARTMENT VENTILATION FLAPPER VALVE
SL-34-72	Mar 18/1997	C	050-051 150-157 162-167 275-278 280		GROUND PROXIMITY WARNING COMPUTER IMPROVEMENT - P/N S220T102-207/-208

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Number	Incorporated	Started/ Completed	Effectivity	ATA	Subject
SL-34-82-A	Mar 18/1997	C	050-051 150-157 162-167 275-278 280		AIR TRAFFIC CONTROL (ATC) SYSTEM ANTENNA COAXIAL SWITCH PRODUCT IMPROVEMENT

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Number	Incorporated	Started/ Completed	Effectivity	ATA	Subject
ATA 23/9/90	Mar 18/1997	C	150	23-51-11 23-51-21	REVISED CAPT/FIRST OFFICERS FLIGHT INTERPHONE
ATA 31/9/92	Mar 18/1997	C	280	31-31-16	DFDAU CODING AND A/C INDENT M976
ATA 34/11/92	Mar 18/1997	C	151-152		ATC TRANSPONDER - LEFT/RIGHT DAB & CODING
EAD89-0704-00	Oct 23/2001	C	150 153 157 165-167	24-51-13 25-25-23 35-21-11	PRIMEX LAPTOP POWER SUPPLY (EMPOWER)
EOC E34- 0358-02	Mar 14/2007	C	275-278 280		REPLACE ATC MODE-S TRANSPONDER ROCKWELL COLLINS TPR-720 BY ACSS XS-950
EOC EB34-0359-02	Mar 14/2007	C	275-278 280	34-53-11 34-53-21 34-61-15 34-61-17 34-61-25 34-61-27	ATC TRANSPONDER SYSTEM UPGRADE FOR ELEMENTARY SURVEILLANCE
EOC EEB34-0360-02	Mar 14/2007	C	275-278 280	22-13-11 22-13-21 27-32-11 27-32-21 32-42-11 34-45-14 34-53-11 34-53-21	ATC TRANSPONDER SYSTEM UPGRADE FOR ELEMENTARY SURVEILLANCE
MTO-230589	Apr 07/1999	C	275-276	23-22-11 23-22-12 34-51-21 34-55-21 34-61-25 34-61-27	INSTALLATION OF ACARS
MTO-230589	Oct 08/1999	C	277-278 280	23-22-11 23-22-12 34-51-21 34-55-21 34-61-25 34-61-27	INSTALLATION OF ACARS
MTO-230596	Dec 20/2000	C	152-157 162-167	23-19-11 23-25-14 24-32-11 24-51-13 32-09-11	CLAIRCOM TELEPHONE SYSTEM

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Number	Incorporated	Started/ Completed	Effectivity	ATA	Subject
MTO-230607	Apr 04/2000	C	150 152-157 162-167	23-21-11 23-22-11 23-22-12 23-22-13 31-35-11 31-36-11 33-13-18 33-16-12 34-61-15 34-61-25	INSTALLATION OF ACARS
MTO-230695	Dec 20/2000	C	150	23-19-11 23-25-14 24-32-11 24-51-13 32-09-11	CLAIRCOM TELEPHONE SYSTEM
MTO-230718	Oct 23/2001	C	150 152-157 162-167	23-25-13 23-31-11 23-32-11 23-32-12 23-32-13 23-32-21 24-51-22 24-54-21 33-24-11	REPLACEMENT OF AIRSHOW SYSTEM 210 WITH 420, INSTALLATION OF RADVR AND CONNECTION BETWEEN AIRSHOW AND ACARS
MTO-230731	Jan 06/2000	C	150 152-157 162-167 275-278 280	23-12-11 23-12-21 23-12-31 33-16-18	COMMUNICATION - VHF COMMUNICATION 8.33 KHZ CHANNEL SPACING
MTO-230762	Apr 04/2000	C	150-157 162-167	23-22-13	ACARS CODING
MTO-340926	Jul 23/2001	C	167	34-53-12 34-53-22	CHANGE OF ATC MODE-S ADDRESS CODE DUE TO RE-REGISTRATION FROM SE-DOC TO LN-RCM
MTO-340961	Apr 26/2002	C	150 152-157 162-167 275-278 280	24-54-11 33-13-11 33-13-13 33-16-13 34-22-16 34-22-24 34-22-26 34-22-29 34-22-36 34-22-39 34-43-11 34-43-12 34-43-21 34-43-22 34-45-12 34-46-11 34-46-12 34-46-13 91-03-15	ENHANCED GROUND PROXIMITY WARNING SYSTEM, EGPWS, INSTALLATION

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Number	Incorporated	Started/ Completed	Effectivity	ATA	Subject
MTO 0330386	Sep 17/1997	C	150-157 162-167	33-21-31 33-21-34	SIDEWALL WASH LIGHTS CONTROL
MTO 210353	Sep 17/1997	C	150 152-157	21-58-12 21-66-31 21-66-41 24-51-13 24-51-23 24-54-11 24-54-21 26-13-11 26-13-12	TEMPERATURE CONTROL CABIN CREW REST AND CREW REST DETECTION SYSTEM
MTO 230432-1	Mar 18/1997	C	151-154 276	23-31-11	PUBLIC ADDRESS SYSTEM OVERRIDE DIODE REMOVAL
MTO 230441	Mar 18/1997	C	150-154	23-32-12	VIDEO ENTERTAINMENT SYSTEM - MODIFICATION
MTO 230452A	Mar 18/1997	C	050-051 150-157 162-167	23-31-11 23-31-13 23-31-14	VIDEO SOUND OVER PUBLIC ADDRESS ZONE SELECTOR SWITCH
MTO 230485B	Mar 18/1997	C	050 150 154-157 162-167	23-31-13 23-31-14 33-26-21	PUBLIC ADDRESS CHANGE VCC PA ZONE SELECTOR SWITCH FUNCTION
MTO 230499	Mar 18/1997	C	151-152		SELCAL CODING MODIFICATION
MTO 230507	Mar 18/1997	C	150 153-157 162-167	33-25-11	B139 ATTENDANT CHIME REVISION
MTO 230523	Mar 18/1997	C	150 153-157 162-167	23-32-11 23-32-12 23-32-13	VIDEO ENTERTAINMENT SYSTEM
MTO 230524	Mar 18/1997	C	150 153-157 162-167	23-32-12 23-32-21	VIDEO ENTERTAINMENT SYSTEM
MTO 230532	Mar 18/1997	C	150 153-157 162-167	23-32-11 23-32-12 23-32-13	VIDEO ENTERTAINMENT SYSTEM

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Number	Incorporated	Started/ Completed	Effectivity	ATA	Subject
MTO 230540	Mar 18/1997	C	050-051	23-22-12 23-31-11 23-31-12 23-31-13 23-31-14 23-32-11 23-32-12 23-32-13 23-32-21 23-34-14 23-42-11 33-21-11 33-21-12 33-21-21 33-21-31 33-21-33 33-22-32 33-26-21	VIDEO CONTROL CENTER
MTO 230541A	Mar 18/1997	C	050-051		VIDEO CONTROL CENTER
MTO 230591	Jun 26/1998	C	156-157 166-167	23-25-11 23-25-12 23-25-13 23-25-14 23-25-15 23-25-16 23-25-17 24-51-11 24-54-11 33-13-16 34-61-15	SATCOM INSTALLATION
MTO 230591 & 230592	Jun 05/2003	C	156 166-167	33-16-17	MASTER DIM AND TEST - PILOTS OVERHEAD AND OVERHEAT PANEL REVISION
MTO 230591 & 230592	Jun 17/1997	C	157	33-16-17	MASTER DIM AND TEST - PILOTS OVERHEAD AND OVERHEAT PANEL REVISION

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Number	Incorporated	Started/ Completed	Effectivity	ATA	Subject
MTO 230592	Jun 26/1998	C	162-165	23-21-11 23-25-11 23-25-12 23-25-13 23-25-14 23-25-15 23-25-16 23-25-17 23-51-14 24-51-11 24-54-11 33-13-16 33-16-17 34-21-11 34-21-21 34-61-11 34-61-15 34-61-21	SATCOM INSTALLATION
MTO 230593	Jun 26/1998	C	150 153-155	23-21-11 23-25-11 23-25-12 23-25-13 23-25-14 23-25-15 23-25-16 23-25-17 23-51-14 24-51-11 24-54-11 33-13-16 33-16-17 34-21-11 34-21-21 34-61-11 34-61-15 34-61-21	SATCOM INSTALLATION
MTO 240500	Oct 08/1999	C	150 153-157 162-167	24-51-13 25-25-23 25-25-24	PASSENGER SEAT POWER SUPPLY
MTO 253581	Sep 17/1997	C	275-278 280	25-53-17	TBD
MTO 260264	Sep 17/1997	C	150 152-157 162-167	26-17-11	FIRE DETECTION - MAIN WHEEL WELL BLOCKING DIODE ADDITION
MTO 310197	Mar 18/1997	C	151	31-41-15	EICAS - COMPUTER PROGRAM PIN INPUTS - REVISION
MTO 330286	Mar 18/1997	C	150-154 162-165	23-31-13 23-32-11 33-26-21	REVISE S9 AND GROUND WIRE AT PURSER STATION
MTO 330286 R01	Mar 18/1997	C	050-051 155	23-31-13 23-32-11 33-26-21	REVISE S9 AND GROUND WIRE AT PURSER STATION

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Number	Incorporated	Started/ Completed	Effectivity	ATA	Subject
MTO 330296	Mar 18/1997	C	162-163	33-21-32 33-21-33	CABIN SIDEWALL WASHLIGHT - L342 - REWIRE
MTO 330339	Mar 18/1997	C	275-277 280	33-21-11	CEILING LIGHTS - FORWARD INDIRECT
MTO 330342B	Mar 18/1997	C	150 153-157	33-21-31 33-21-32 33-21-33 33-22-21 33-22-32 33-26-21	CABIN LIGHT MODIFICATION
MTO 330348	Mar 18/1997	C	162-167	23-31-13 33-21-31 33-21-32 33-22-21 33-22-32	CABIN LIGHT MODIFICATION
MTO 330354	Mar 18/1997	C	050-051		VIDEO CONTROL CENTER
MTO 330370	Sep 17/1997	C	150 152-157 162-167	33-21-21 33-22-41 33-22-42	AFT SIDEWALL LIGHTS AND LEFT BALLASTS
MTO 330371	Sep 17/1997	C	162-167	33-21-21	AFT SIDEWALL LIGHTS AND LEFT BALLASTS
MTO 340514C	Mar 18/1997	C	150-154	34-53-11 34-53-12 34-53-21 34-53-22	ATC TRANSPONDER
MTO 340537	Mar 18/1997	C	150-154 275-276	34-22-14 34-46-11 34-46-12	REVISIONS TO THE GROUND PROXIMITY COMPUTER - M147
MTO 340537 R01	Mar 18/1997	C	050-051 155-157 162-166 277-278 280	34-22-14 34-46-11 34-46-12	GPW SYSTEM - CHANGE OF ALTITUDE CALLOUTS
MTO 340548	Mar 18/1997	C	150		ATC TRANSPONDER
MTO 340602	Mar 18/1997	C	050-051 150-155 162-165	34-53-12 34-53-22	VIDEO SOUND OVER PUBLIC ADDRESS ZONE SELECTOR SWITCH
MTO 340608	Mar 18/1997	C	164-165	34-53-12 34-53-22	REVISING TRANSPONDER DABS CODING
MTO 340613	Mar 18/1997	C	153-154	34-53-12 34-53-22	AIR TRAFFIC CONT TRANSPONDER WIRING CHANGE

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Number	Incorporated	Started/ Completed	Effectivity	ATA	Subject
MTO 340652	Mar 18/1997	C	050-051 150-152 155-157 162-167 275-278 280	31-51-31 31-51-32 32-61-14 33-13-11 33-13-13 34-22-82 34-22-92 34-45-11 34-45-12 34-45-13 34-45-14	TCAS/VSI INSTALLATION
MTO 340652	Jan 07/1999	C	153-154	31-51-31 31-51-32 32-61-14 33-13-11 33-13-13 34-22-82 34-22-92 34-45-11 34-45-12 34-45-13 34-45-14	TCAS/VSI INSTALLATION
MTO 340652 R01	Mar 18/1997	C	153-154	33-13-11 33-13-13 34-22-92 34-45-11 34-45-12 34-45-13 34-45-14	TCAS/VSI INSTALLATION - ADDITION OF NEW AIRPLANES
MTO 340652 R02	Mar 18/1997	C	050-051 150-157 162-167 275-278 280		ATC CONTROL PANEL, ATC TRANSPONDER MODE-S, AND TCAS PROCESSOR - ELI REVISIONS
MTO 340681	Mar 18/1997	C	153	34-53-12 34-53-22	TRANSPONDER MODE S ADDRESS CODE CHANGE
MTO 340713 R01	Mar 18/1997	C	050-051 150-154 156-157 162	34-53-12 34-53-22	ATC CODING
MTO 340718	Mar 18/1997	C	050-051 150-154 156-157 162	34-53-12 34-53-22	ATC CODING
MTO 340723	Mar 18/1997	C	050-051 150-157 162-167 275-278 280	34-45-12 34-53-12 34-53-22	TCAS AUDIO LEVELS AND TA/RA
MTO 340726	Mar 18/1997	C	050-051 150-154 162	34-53-12 34-53-22	ATC CODING
MTO 340726	Dec 18/1997	C	156-157	34-53-12 34-53-22	ATC CODING
MTO 340728	Mar 18/1997	C	050-051 150-154 156-157 162	34-53-12 34-53-22	ATC CODING

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Number	Incorporated	Started/ Completed	Effectivity	ATA	Subject
MTO 340744	Mar 18/1997	C	151	34-53-12 34-53-22	ATC TRANSPONDER - LEFT DABS CODING - REVISION
MTO 340796/ 797/798	Sep 17/1997	C	275-278 280	34-24-11	RE-INSTALL BACKCOURSE OPTION FOR STBY ATT IND
MTO 340925	Jan 21/2005	X	167		ATC MODE S CODING
MTO 380249	Mar 18/1997	C	153-154 276	38-32-11	AIR TRAFFIC CONT TRANSPONDER WIRING CHANGE
PR00073	Oct 23/2001	C	165	23-22-13 23-25-15 34-53-12 34-53-22	CHANGE OF AIRCRAFT REGISTRATION
PR 00113	Sep 25/2003	C	150 152-157 162-167	33-51-14	INTERIOR EMERGENCY LIGHTS EXIT SIGN
PR 21-02-98	Jan 07/1999	S	275-278 280	21-73-11 24-51-13 24-54-11	ZONAL DRYERS INSTALLATION
PR 5-94	Mar 18/1997	C	050-051 150-157 162-167 275-278 280	71-51-14	DELETION OF AUTOSTART PROVISIONS - PW4000 ENGINES
TD 210210	Mar 18/1997	C	150	21-26-31 21-28-11 21-61-81	ACTIVATION OF FORWARD CARGO COMPARTMENT AIR CONDITIONING SYSTEM
TD 3302	Mar 18/1997	C	150-154	23-34-14	REVISION TO M170 WIRING

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CH-SC-SU	Title
91-03-15	E1 RACK- MAIN EQUIPMENT CENTER- LEFT SHELF E1-5
91-03-16	E1 RACK- MAIN EQUIPMENT CENTER- LEFT SHELF E1-6
91-03-21	E2 RACK- MAIN EQUIPMENT CENTER- RIGHT SHELF E2-1
91-03-22	E2 RACK- MAIN EQUIPMENT CENTER- RIGHT SHELF E2-2
91-03-23	E2 RACK- MAIN EQUIPMENT CENTER- RIGHT SHELF E2-3
91-03-24	E2 RACK- MAIN EQUIPMENT CENTER- RIGHT SHELF E2-4
91-03-25	E2 RACK- MAIN EQUIPMENT CENTER- RIGHT SHELF E2-5
91-03-26	E2 RACK- MAIN EQUIPMENT CENTER- RIGHT SHELF E2-6
91-03-31	E3 RACK- FORWARD EQUIPMENT CENTER- RIGHT SHELF E3-1
91-03-32	E3 RACK- FORWARD EQUIPMENT CENTER- RIGHT SHELF E3-2
91-03-53	E5 RACK- MID EQUIPMENT CENTER SHELF E5-3
91-03-51	E5 RACK- MID EQUIPMENT CENTER- SHELF E5-1
91-03-61	E6 RACK- AFT EQUIPMENT CENTER
91-03-81	E8 RACK-ENGINE INDICATION CAUTION ADVISORY SYSTEM (EICAS)
34-22-33	EFIS ATTITUDE COMPARISON INTERFACE- CENTER
34-22-13	EFIS ATTITUDE COMPARISON INTERFACE- LEFT
34-22-23	EFIS ATTITUDE COMPARISON INTERFACE- RIGHT
34-22-37	EFIS INSTRUMENT SWITCHING CENTER
34-22-17	EFIS INSTRUMENT SWITCHING INTERFACE- LEFT
34-22-27	EFIS INSTRUMENT SWITCHING RIGHT
34-22-36	EFIS POWER/LIGHTING PROGRAM PINS- CENTER
34-22-16	EFIS POWER/LIGHTING PROGRAM PINS- LEFT
34-22-26	EFIS POWER/LIGHTING PROGRAM PINS- RIGHT
34-22-38	EFIS SENSOR "A" INTERFACE- CENTER
34-22-18	EFIS SENSOR "A" INTERFACE- LEFT
34-22-28	EFIS SENSOR "A" INTERFACE- RIGHT
34-22-39	EFIS SENSOR "B" INTERFACE- CENTER
34-22-19	EFIS SENSOR "B" INTERFACE- LEFT

CH-SC-SU	Title
34-22-29	EFIS SENSOR "B" INTERFACE- RIGHT
34-22-35	EFIS SYMBOL GENERATOR/ CONTROL PANEL/CAPT DU'S INTERFACE-CENTER
34-22-14	EFIS SYMBOL GENERATOR/ CONTROL PANEL/EADI DSPY UNIT INTERFACE-LEFT
34-22-24	EFIS SYMBOL GENERATOR/ CONTROL PANEL/EADI DSPY UNIT INTERFACE-RIGHT
34-22-15	EFIS SYMBOL GENERATOR/ CONTROL PANEL/EHSI DSPY UNIT INTERFACE-LEFT
34-22-25	EFIS SYMBOL GENERATOR/ CONTROL PANEL/EHSI DSPY UNIT INTERFACE-RIGHT
34-22-34	EFIS SYMBOL GENERATOR/ CONTROL PANEL/F/O DU'S INTERFACE-CENTER
31-41-15	EICAS- COMPUTER PROGRAM PIN INPUTS
31-41-35	EICAS- CONSOLIDATION CARD
31-41-31	EICAS- DATA BUS INPUTS- LEFT
31-41-33	EICAS- DATA BUS INPUTS- RIGHT
31-41-32	EICAS- DATA BUS OUTPUTS- LEFT
31-41-34	EICAS- DATA BUS OUTPUTS- RIGHT
31-41-14	EICAS- DISPLAY BRIGHTNESS CONTROL
31-41-17	EICAS- DISPLAY SOURCE SELECT CONTROL
31-41-12	EICAS- PILOTS & FLIGHT ENGINEERS DISPLAY CONTROL
31-41-11	EICAS- PILOTS & FLIGHT ENGINEERS POWER DISTRIBUTION
31-41-16	EICAS- PILOTS CAUTION ANNUNCIATION & RESET
31-41-23	EICAS- PILOTS LOWER DISPLAY COLOR CONTROL
31-41-24	EICAS- PILOTS LOWER DISPLAY CONTROL
31-41-21	EICAS- PILOTS UPPER DISPLAY COLOR CONTROL
31-41-22	EICAS- PILOTS UPPER DISPLAY CONTROL
31-41-13	EICAS-GROUND MAINTENANCE CONTROL
29-11-12	ELECTRIC HYDRAULIC PUMP LEFT CONTROL & INDICATION
29-11-22	ELECTRIC HYDRAULIC PUMP RIGHT CONTROL & INDICATION
29-11-31	ELECTRIC HYDRAULIC PUMPS 1 & 2 CONTROL & INDICATION
24-51-71	ELECTRIC LOAD SHED (ENGINE START) & AUTO RESET (FLIGHT)
33-31-41	ELECTRICAL EQUIPMENT CENTER LIGHTS

CH-SC-SU	Title
28-42-31	ENGINE FUEL LOW PRESSURE INDICATION
73-33-11	ENGINE FUEL PRESSURE INDICATION
29-11-21	ENGINE HYDRAULIC PUMP RIGHT SHUTOFF AND DEPRESS
29-11-11	ENGINE HYDRAULIC PUMP- LEFT SHUTOFF & DEPRESS
74-31-11	ENGINE IGNITION- LEFT ENGINE
74-31-21	ENGINE IGNITION- RIGHT ENGINE
30-21-11	ENGINE INLET THERMAL ANTI-ICE
73-21-18	ENGINE N2 DISCRETES
79-32-11	ENGINE OIL PRESSURE INDICATION
79-31-11	ENGINE OIL QUANTITY INDICATION
79-35-11	ENGINE OIL- FILTER BYPASS WARNING
79-34-11	ENGINE OIL- TEMPERATURE INDICATION
77-12-11	ENGINE TACHOMETER SYSTEM-N1
77-12-12	ENGINE TACHOMETER SYSTEM-N2
71-51-14	ENGINE WIRING COMPOSITE PW4000
33-22-11	ENTRY LIGHTS
21-58-15	EQUIPMENT COOLING- EXHAUST FAN
21-58-13	EQUIPMENT COOLING- GROUND VALVES
21-58-12	EQUIPMENT COOLING- INBOARD VALVES
21-58-11	EQUIPMENT COOLING- INDICATION
21-58-16	EQUIPMENT COOLING- SMOKE CLEARANCE
21-58-14	EQUIPMENT COOLING- SUPPLY FANS
21-26-11	EQUIPMENT LAVATORY/GALLEY VENTILATION FANS- AFT
	EQUIPMENT LIST
21-26-31	EXHAUST FANS VENTILATION & GROUND- FORWARD CARGO
91-01-26	EXTERIOR LIGHTS
33-51-21	EXTERNAL EMERGENCY LIGHTS
24-41-12	EXTERNAL POWER ANNUNCIATION

CH-SC-SU	Title
25-25-23	IN SEAT POWER OUTLETS FORWARD CABIN
25-25-24	IN SEAT POWER OUTLETS MID CABIN
49-71-11	INDICATING-AUXILIARY POWER UNIT EXHAUST GAS TEMPERATURE
49-94-14	INDICATION-AUXILIARY POWER UNIT OIL QUANTITY
49-73-11	INDICATION-AUXILIARY POWER UNIT TACHOMETER
34-21-31	INERTIAL REFERENCE SYSTEM CENTER
34-21-11	INERTIAL REFERENCE SYSTEM LEFT
34-21-21	INERTIAL REFERENCE SYSTEM RIGHT
33-13-18	INSTRUMENT & PANEL LIGHTS AISLE STAND
33-13-11	INSTRUMENT & PANEL LIGHTS CAPTAINS
33-13-13	INSTRUMENT & PANEL LIGHTS FIRST OFFICER
33-13-17	INSTRUMENT & PANEL LIGHTS GLARESHIELD
33-13-19	INSTRUMENT & PANEL LIGHTS OVERHEAD CIRCUIT BREAKER
33-13-16	INSTRUMENT & PANEL LIGHTS PILOTS- OVERHEAD PANEL
33-13-21	INSTRUMENT & PANEL LIGHTS SUPERNUMERARY
34-31-31	INSTRUMENT LANDING SYSTEM CENTER
34-31-11	INSTRUMENT LANDING SYSTEM LEFT
34-31-21	INSTRUMENT LANDING SYSTEM RIGHT
33-51-11	INTERIOR EMERGENCY LIGHTS CONTROL
33-51-14	INTERIOR EMERGENCY LIGHTS EXIT SIGNS
33-51-13	INTERIOR EMERGENCY LIGHTS LEFT
33-51-12	INTERIOR EMERGENCY LIGHTS RIGHT
91-01-44	INTERPHONE JACKS NETWORK
91-04-81	L WG-WG/STRUT, WG/SAILBT OUTBD SEAL RIB,REFUEL PNL & WG TIP DISC PNLS
91-04-27	L.S. COLUMN F XDCR, R.S. COLUMN F XDCR/SWITCHBACK DISCONNECT
91-04-62	L/R SPOILER, MAIN WHEELWELL & COVER DISCONNECT PANELS
33-00-11	LAMP USAGE CHART
32-35-11	LANDING GEAR ALTERNATE EXTENSION SYSTEM

CH-SC-SU	Title
91-05-15	MASTER BUNDLE MATRIX (W1234 THRU W1288)
91-05-16	MASTER BUNDLE MATRIX (W1290 THRU W1403)
91-05-17	MASTER BUNDLE MATRIX (W1405 THRU W1501)
91-05-18	MASTER BUNDLE MATRIX (W1503 THRU W1717)
91-05-19	MASTER BUNDLE MATRIX (W1718 THRU W1731)
91-05-01	MASTER BUNDLE MATRIX (W201 THRU W247)
91-05-02	MASTER BUNDLE MATRIX (W248 THRU W292)
91-05-03	MASTER BUNDLE MATRIX (W293 THRU W342)
91-05-04	MASTER BUNDLE MATRIX (W343 THRU W402)
91-05-20	MASTER BUNDLE MATRIX (W3500 THRU W5340)
91-05-05	MASTER BUNDLE MATRIX (W404 THRU W454)
91-05-06	MASTER BUNDLE MATRIX (W455 THRU W492)
91-05-07	MASTER BUNDLE MATRIX (W495 THRU W561)
91-05-08	MASTER BUNDLE MATRIX (W563 THRU W610)
91-05-09	MASTER BUNDLE MATRIX (W611 THRU W660)
91-05-10	MASTER BUNDLE MATRIX (W661 THRU W717)
91-05-11	MASTER BUNDLE MATRIX (W718 THRU W775)
91-05-12	MASTER BUNDLE MATRIX (W776 THRU W847)
91-05-13	MASTER BUNDLE MATRIX (W849 THRU W962)
91-05-14	MASTER BUNDLE MATRIX (W964 THRU W1232)
33-16-13	MASTER DIM & TEST- CAPTAINS PANEL
33-16-14	MASTER DIM & TEST- CATHODE RAY TUBE DISPLAYS
33-16-18	MASTER DIM & TEST- CONTROL STAND ELECTRONIC PANELS
33-16-15	MASTER DIM & TEST- FIRST OFFICERS PANEL
33-16-11	MASTER DIM & TEST- PILOTS CONTROL
33-16-16	MASTER DIM & TEST- PILOTS GLARESHIELD
33-16-17	MASTER DIM & TEST- PILOTS OVERHEAD & OVERHEAD CB PANEL
33-16-12	MASTER DIM & TEST- PILOTS POWER & GROUND DISTRIBUTION

CH-SC-SU	Title
91-02-87	P87 PANEL- FORWARD LEFT MISCELLANEOUS ELECTRIC
91-02-36	P9 STAND- CAPTAIN & FIRST OFFICER CONTROL
21-52-11	PACK INDICATIONS- LEFT
21-52-31	PACK TEMPERATURE INDICATION
21-52-21	PACK VALVE & DOOR INDICATIONS- RIGHT
91-01-21	PANEL LOCATIONS
32-44-11	PARKING BRAKE SYSTEM
23-31-12	PASSENGER ADDRESS- BOARDING MUSIC/PRE-RECORD ANN. & ATTEND. PANEL
23-31-13	PASSENGER ADDRESS- OUTPUT CIRCUITRY & CONTROLS
23-31-16	PASSENGER ADDRESS- SPEAKERS- CENTER PSU SECTION
23-31-15	PASSENGER ADDRESS- SPEAKERS- LEFT PSU SECTION
23-31-17	PASSENGER ADDRESS- SPEAKERS- RIGHT PSU SECTION
23-31-14	PASSENGER ADDRESS- SPEAKERS-ATTENDANT, GALLEY & LAVATORY
23-31-11	PASSENGER ADDRESS- VOICE INPUT CIRCUITRY
23-34-11	PASSENGER ENTERTAINMENT PASSENGER SERVICE
23-34-12	PASSENGER ENTERTAINMENT PASSENGER SERVICE
23-34-13	PASSENGER ENTERTAINMENT PASSENGER SERVICE
23-34-14	PASSENGER ENTERTAINMENT PASSENGER SERVICE
23-34-15	PASSENGER ENTERTAINMENT PASSENGER SERVICE
23-34-16	PASSENGER ENTERTAINMENT PASSENGER SERVICE
23-34-17	PASSENGER ENTERTAINMENT PASSENGER SERVICE
23-34-18	PASSENGER ENTERTAINMENT PASSENGER SERVICE
23-34-19	PASSENGER ENTERTAINMENT PASSENGER SERVICE
33-23-11	PASSENGER READING LIGHTS
33-24-13	PASSENGER SIGNS- CENTER
33-24-11	PASSENGER SIGNS- LAVATORY
33-24-12	PASSENGER SIGNS- LEFT
33-24-14	PASSENGER SIGNS- RIGHT

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33-43-11	POSITION LIGHTS
38-15-11	POTABLE WATER PRESSURE SYSTEM
24-21-41	POWER & REGULATION- APU GENERATOR
24-21-11	POWER & REGULATION- LEFT GENERATOR
24-21-21	POWER & REGULATION- RIGHT GENERATOR
25-11-11	POWER SEAT- CAPTAIN
25-11-21	POWER SEAT- FIRST OFFICER
91-04-83	PRATT & WHITNEY ENGINE DISCONNECT
30-32-11	PROBE HEAT- ANGLE OF ATTACK- LEFT
30-32-21	PROBE HEAT- ANGLE OF ATTACK- RIGHT
30-31-11	PROBE HEAT- CAPTAINS PITOT STATIC
30-34-11	PROBE HEAT- ENGINE TT2- LEFT
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30-31-21	PROBE HEAT- FIRST OFFICER- PITOT STATIC
30-31-23	PROBE HEAT- LEFT AUXILIARY PITOT STATIC
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30-33-11	PROBE HEAT- TOTAL AIR TEMPERATURE- LEFT
32-09-21	PROXIMITY SWITCH ELECTRONICS UNIT OUTPUT INTERFACE
33-22-32	PURSER LIGHTS
91-04-82	R WG-WG/STRUT, WG/SAILBT OUTBD SEAL RIB,REFUEL PNL & WG TIP DISC PNLS
34-33-31	RADIO ALTIMETER- CENTER
34-33-11	RADIO ALTIMETER- LEFT
34-33-21	RADIO ALTIMETER- RIGHT
34-22-81	RADIO DISTANCE MAGNETIC INDICATOR- LEFT
34-22-91	RADIO DISTANCE MAGNETIC INDICATOR- RIGHT
29-21-31	RAM AIR TURBINE CONTROL & INDICATION HYDRAULIC SYSTEM CENTER
21-25-11	RECIRCULATION FAN- LEFT

CH-SC-SU	Title
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25-33-11	REFRIGERATION POWER
29-21-32	RESERVE HYDRAULIC SOURCE SELECT & INDICATION
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24-22-22	RIGHT BUS TIE BREAKER CONTROL
34-61-24	RIGHT FLIGHT MGT COMPUTER AFDS MCP/EFIS MISCELLANEOUS INPUTS
34-61-21	RIGHT FLIGHT MGT COMPUTER CONTROL DISPLAY UNIT INTERFACE
34-61-25	RIGHT FLIGHT MGT COMPUTER EFIS/DATA LOADER/CAUTION & WARNING/GENERAL OUTPUT
34-61-23	RIGHT FLIGHT MGT COMPUTER LEFT NAVIGATION AUTOTUNE DISCRETE INPUTS
34-61-27	RIGHT FLIGHT MGT COMPUTER MISCELLANEOUS INPUTS/OUTPUTS
34-61-22	RIGHT FLIGHT MGT COMPUTER RIGHT NAVIGATION THRUST MGT COMPUTER INPUTS
34-61-26	RIGHT FLIGHT MGT COMPUTER SYSTEM SWITCHING/RIGHT CDU MISC FUNCTIONS
24-22-21	RIGHT GENERATOR & GENERATOR CIRCUIT BREAKER CONTROL
24-27-21	RIGHT GENERATOR ANNUNCIATION
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27-28-11	RUDDER POSITION INDICATION
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23-12-11	VHF COMMUNICATION- LEFT
23-12-21	VHF COMMUNICATION- RIGHT
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23-32-52	VIDEO ENTERTAINMENT SYSTEM- VIDEO 3
23-32-53	VIDEO ENTERTAINMENT SYSTEM- VIDEO 3
23-32-54	VIDEO ENTERTAINMENT SYSTEM- VIDEO 3
23-32-61	VIDEO ENTERTAINMENT SYSTEM- VIDEO 4
23-32-62	VIDEO ENTERTAINMENT SYSTEM- VIDEO 4
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CH-SC-SU	Title
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INTRODUCTION

1. APPLICABILITY

This Wiring Diagram Manual is applicable only to those Boeing airplanes listed on the Effective Aircraft page. The instructions and information contained herein apply solely to those airplanes and are not suitable for use with any other Boeing airplane(s).

2. GENERAL DESCRIPTION

The Boeing Wiring Diagram Manual (WDM) is a collection of diagrams, drawings, and Lists which define the wiring and hookup of associated equipment installed on the listed Boeing airplanes. These data are prepared essentially in accordance with the ATA Specification No. 2200, revision 2001.1.

This manual may also contain data and information provided by the customer. The Boeing Company assumes no responsibility for the accuracy and validity of data and information provided by a customer.

The WDM document number is unique to the customer whose name appears on the title page. Each chapter is preceded by its own Table of Contents (TOC), List of Effective Pages (LEP), and Alphabetical Index.

NOTE: System Schematics reside in a separate System Schematics Manual. Standard Wiring Practices–Chapter 20 reside in a separate Standard Wiring Practices manual (D6-54446).

All Wiring Diagrams are shown, unless otherwise specified, with the airplane on the ground, after normal flight, with the shutdown checklist complete (power off).

3. PROCESS CONTROLS

Control of the various manufacturing and installation processes used for wiring the airplane is covered in D6-36911 - Electrical Wiring Assembly and Installation Processes.

4. BOEING CHANGE DEFINITIONS

Changes used by Boeing to implement airplane changes that may affect this manual are listed below.

A. Customer Originated Changes (COC)

Customer Originated Changes are requests to incorporate airplane data, information, changes and modifications authorized by a customer into the WDM.

NOTE: Boeing will not undertake to test or evaluate, in any form, the validity or the technical accuracy of Customer Originated Changes. This will remain the sole responsibility of the customer submitting the Customer Originated Change request.

B. Service Bulletin (SB)

Service Bulletins provide information for accomplishing an engineering change on in-service airplanes. Service Bulletins are incorporated into this manual only upon customer request.

C. Service Letter (SL)

Service Letters notify customers of unique maintenance or operational items.

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D. Master Change (MC)

An engineering change is classified as a Master Change if the change appreciably affects the terms and conditions of the purchase agreement and/or the customer detail specification. Consequently, a Master Change must be negotiated with the customer to revise the airplane delivery schedule, contract price, performance, weight and balance, or any other design affecting specification language.

E. Production Revision Record (PRR)

A Production Revision Record is an engineering change initiated by Boeing which is nonnegotiable and is used to make airplane changes such as design improvements.

F. Rapid Revision (RR)

A Rapid Revision is a minor change to an airplane, requested by a customer, which is too late in the production process to generate a Master Change and is not applicable for PRR action.

G. Modification Revision (MR)

A Modification Revision is used by Boeing to describe, negotiate, control and record changes to a customer's airplane configuration after an airplane has been certified and used in revenue service, then returned to Boeing jurisdiction for rework. Modification Revisions may also be used to modify an airplane directly off the assembly line.

Modification Revisions are negotiable changes and may include engineering, fabrication, assembly and/or installation revisions. They may be used by Boeing to incorporate customer furnished kits and parts, or to incorporate Boeing furnished parts which are not in kit form.

Modification Revisions may include SB's, PRR's (represented by a SB), MC's, RR's, etc. On a modification program, whenever a SB number is available, it will be used in preference to the associated MR number.

H. Electrical Liaison Change Commitment Record (ELCCR)

An Electrical Liaison Change Commitment Record is used to process miscellaneous changes on an expedited basis (out of sequence), and to incorporate these changes into the airplane in sequence in the shortest possible time.

I. Boeing Change Reason (BCR)

Boeing Change Reason provides tracking of a change made to the content of the manual that apply to all users of the manual.

5. DESCRIPTION OF SERVICE BULLETIN LIST AND CUSTOMER CHANGE LIST

A. Number Field

The service bulletin or customer change number with it's revision level

B. Incorporated

The date of the manual revision which incorporated the change.

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C. Started/Completed

The status of the change. An 'S' is used in the Started/Completed column to indicate Start (Dual) configuration, a 'C' is used to indicate Complete (Final) configuration and a 'X' indicates canceled changes that have been removed from the manual.

D. Effectivity

The aircraft affected by the referenced change.

E. ATA

The list of drawings affected by the referenced change.

F. Subject

The title of the service bulletin or customer change.

6. BOEING COMMERCIAL PUBLICATION CHANGE REQUEST (PCR)

Communications concerning this manual should be directed to:

The Boeing Commercial Airplane Group
Attention: Supervisor, Commercial Publications
PO Box 3707 M/S 2H-61
Seattle, WA 98124-2207

Or access MyBoeingFleet website and complete the online PCR form.

To facilitate uniform handling and to provide direct routing of questions to the proper Boeing organization, use of the Publication Change Request is encouraged. Boeing makes this form available through the customer's publications organizations.

7. REFERENCE LINES

The Reference Lines provide an exact position within the airplane to aide in locating equipment.

A. Station Line (STA)

Edge view of vertical reference plane which divides the body, wing, nacelle etc., into sections.

B. Waterline (WL)

Edge view of longitudinal horizontal reference plane.

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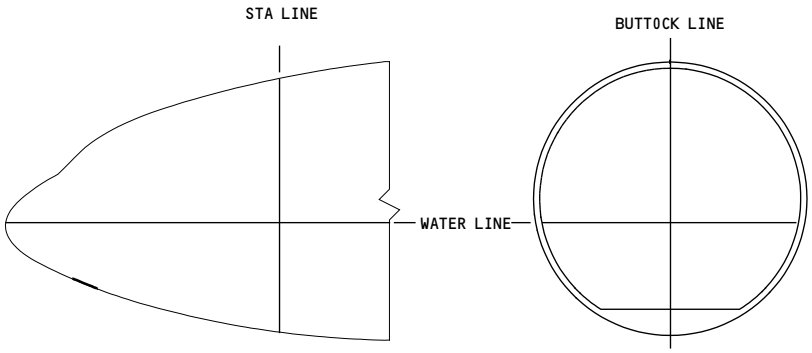
C. Buttock Line (BL)

Edge view of longitudinal vertical reference plane.



8. WIRE SEPARATION

Airplane wiring installation complies with Federal Aviation Regulation (FAR) 25. Special emphasis is placed on wire separation of redundant systems for safety and other considerations. Wire separation is also utilized to minimize electromagnetic interference.

For further information see Codes section of the Introduction.

INTRODUCTION

The following is a list of abbreviations and acronyms used in this manual. Where marked with an asterisk (*), see the GENERAL INFORMATION section, in the Wiring Diagram manual, for additional definition information.

A/C	Air Conditioning
A/C	Aircraft
A/R	Altitude Rate
ACARS	ARINC Communications Addressing and Reporting System
ACE	Actuator Control Electronics
ACESS	Advance Cabin Entertainment and Service System
ACM	Air Cycle Machine
ACMP	Alternating Current Motor Pump (See also EMP)
ACMS	Airplane Conditioning Monitoring System
ACP	Audio Control Panel
ADF	Automatic Direction Finder
ADI	Attitude Director Indicator
ADIRS	Air Data Inertial Reference System
ADIRU	Air Data Inertial Reference Unit
ADL	Airborne Data Loader
ADM	Air Data Module
ADP	Air Driven Pump
ADRS	Address
ADS	Air Data Systems
ADU	Air Drive Unit
AEM	Audio Entertainment Multiplexer
AFDC	Air Flight Data Control
AFDS	Autopilot Flight Director System
AFL	Air Flow
AIDS	Airborne Integrated Data System
AIMS	Airplane Information Management System
AMU	Audio Management Unit
ANCMT	Announcement
ANCPT	Anticipate
ANCPTR	Anticipator
ANS	Ambient Noise Sensor
ANTI-COLL	Anti-Collision
AOA	Angle of Attack
AOC	Air/Oil Cooler
APB	Auxiliary Power Breaker
APID	Airplane Identification
APU	Auxiliary Power Unit

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ARINC	Aeronautical Radio Incorporated
ASA	Autoland Status Annunciator
ASCPC	Air Supply Cabin Pressure Controller
ASCTS	Air Supply Control and Test System
ASCTU	Air Supply Control and Test Unit
ASP	Audio Select Panel
AVM	Airborne Vibration Monitor
BDY BLK	Burndy Block
BFE	Buyer Furnished Equipment
BPCU	Bus Power Control Unit
BSCU	Brake System Control Unit
BST	Boost
BTB	Bus Tie Breaker
BTLCS	Brake Torque Limiting Control System
BTMU	Brake Temperature Monitor Unit
C	Cold
CACTS	Cabin Air Conditioning & Temperature Control System
CADS	Central Air Data System
CALIB	Calibrator
CAP	Capture
CAP	Contact Authorized Proposal
CAPC	Cabin Area Control Panel
CAPT	Captain
CCA	Central Control Actuator
CCL	Cargo Control Logic
CCM	Cargo Control Module
CCU	Cargo Control Unit
CDU	Control Display Unit
CFDS	Centralized Fault Detection System
CFE	Customer Furnished Equipment
CHKPT	Checkpoint
CHSP	Course Heading Select Panel
CIC	Cabin Interphone Controller
CIWS	Central Instrument Warning System
CMC	Central Maintenance Computer
CMD	Command
CMM	Component Maintenance Manual
CMS	Cabin Management System
COC*	Customer Originated Change

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COF MKR	Coffee Maker
COLL	Collision
COM/NAV	Communication/Navigation
COR	Corrector
CP	Control Panel
CPCS	Cabin Pressure Control System
CRKG	Cranking
CSB	Compressor Stability Bleed
CSMU	Cabin System Management Unit
CT	Control Transformer
CTC	Cabin Temperature Controller
CTS	Cabin Temperature Selector
CTS	Conversational Terminal System
CVR	Cockpit Voice Recorder
CWS	Control Wheel Steering
DAA	Digital/Analog Adapter
DADC	Digital Air Data Computer
DAR	Digital Aids Recorder
DED	Dead Ended Shield
DEL	Diagram Equipment List
DFCS	Digital Flight Control System
DFDAU	Digital Flight Data Acquisition Unit
DFDR	Digital Flight Data Recorder
DH	Decision Height
DIU	Digital Interface Unit
DMU	Data Management Unit
DP	Differential Protection
DPA	Digital Pre-Assembly
DPCT	Differential Protective Current Transformer
DPLY	Deploy
DSP	Display Select Panel
E/E	Electrical/Electronics
EADI	Electronic Attitude Director Indicator
ECS	Environmental Control System
EDIU	Engine Data Interface Unit
EDP	Engine Driven Pump
EEC	Electronic Engine Control (Unit)
EFIS	Electronic Flight Instrument System
EHSI	Electronic Horizontal Situation Indicator

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EICAS	Engine Indicating and Crew Alerting System
EIU	EFIS/EICAS Interface Unit
ELCCR*	Electrical Liaison Change Commitment Record
ELCU	Electrical Load Control Unit
ELMS	Electrical Load Management System
EMC	Electromagnetic Compatibility
EMP	Electric Motor Pump (See also ACMP)
ENTMT	Entertainment
ENWY	Entryway
EPR	Engine Pressure Ratio
EPRL	Engine Pressure Ratio Limit
ESCC	Electrical Supply and Control Center
ESNTL	Essential
ESS	Essential
ETC	Electronic Temperature Control
ETOPS	Extended Twin (Engine) Operations
EXCHR	Exchanger
EXTD	Extend
F/D	Flight Director
F/E	Flight Engineer
F/F	Fuel Flow
F/O	First Officer
FADEC	Full Authority Digital Engine Control
FAFC	Full Authority Fuel Control
FAR	Federal Aviation Regulations
FBW	Fly-by-Wire
FCC	Flight Control Computer
FCU	Flap Control Unit
FDAU	Flight Data Acquisition Unit
FLMTR	Flowmeter
FMC	Flight Management Computer
FMCS	Flight Management Computer System
FMU	Fuel Metering Unit
FMV	Fuel Metering Valve
FOC	Fuel/Oil Cooler
FQIS	Fuel Quantity Indication System
FQPU	Fuel Quantity Processor Unit
FSEU	Flap/Slat Electronics Unit
GCB	Generator Circuit Breaker

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GCR	Generator Control Relay
GCU	Generator Control Unit
GPWS	Ground Proximity Warning System
GS	Glide Slope
GSB	Ground Service Bus
GSPR	Gasper
H	Hot
HLCU	High Lift Control Unit
HMU	Hydromechanical Unit
HND	Hand
HPC	High Pressure Compressor (N2 Rotor)
HPSOV	High Pressure Shutoff Valve
HPT	High Pressure Turbine
HYDIM	Hydraulic Interface Module
HYQUIM	Hydraulic Quantity Interface Module
HZ	Hertz (Cycles Per Second)
IBIT	Initiated Built In Test
IBVSU	Instrument Bus Voltage Sense Unit
IDG	Integrated Drive Generator
IDS	Integrated Display System
ILES	Inboard Leading Edge Station
INS	Inertial Navigation System
INTC	Interconnect
IOEU	Inboard Overhead Electronics Unit
IPC	Illustrated Parts Catalog
IPL	Illustrated Parts List
IRS	Inertial Reference System
JPR	Jumper
KHZ	Kilohertz
KVA	Kilovolt Ampere
LGHTNG	Lightning
LMP	Lamp
LO	Lock Out
LP	Lightning Protector
LPT	Low Pressure Turbine
LRRA	Low Range Radio Altimeter
LRU	Line Replaceable Unit
LSDA	Low Speed Digital To Analog
M	Mach

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M MUX	Main Multiplexer
MAI	Multiplexer Action Item
MAWEA	Modularized Avionics and Warning Electronics Assembly
MC*	Master Change
MCDP	Maintenance Control and Display Panel
MCDU	Multipurpose Control and Display Unit
MCP	Mode Control Panel
MGSCU	Main Gear Steering Control Unit
MHRS	Magnetic Heading Reference System
MHZ	Megahertz
MIDU	Multipurpose Interactive Display Unit
MKR BCN	Marker Beacon
MLS	Microwave Landing System
MNFST	Manifest
MOSFET	Metallic Oxide Semiconductor Field Effect Transistor
MR*	Modification Revision
MTCHG	Matching
MTG	Muting
NBR	Number
ND	Navigation Display
NGT	Night
OAP	Output Audio Processor
OFCR	Officer
OFL	Outflow
OMS	Onboard Maintenance System
OOEU	Outboard Overhead Electronics Unit
OPAS	Overhead Panel ARINC 629 System
OPBC	Overhead Panel Bus Controller
OVDR	Overdoor
OVFL	Overfill
OVHT	Overheat
OVWG	Overwing
PA	Passenger Address
PA/CI	Passenger Address/Cabin Interphone
PCH	Patch
PCT	Percent
PDU	Power Drive Unit
PES	Passenger Entertainment System
PFC	Primary Flight Computer

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PFD	Primary Flight Display
PFIDS	Passenger Flight Information Display System
PIS	Passenger Information Sign
PKG	Parking
PMA	Permanent Magnet Alternator
PMG	Permanent Magnet Generator
PMS	Performance Management System
POR	Point of Regulation
PRCLR	Precooler
PROT	Protection
PRR*	Production Revision Record
PRSOV	Pressure Regulating Shut-Off Valve
PSA	Power Supply Assembly
PSEU	Proximity Switch Electronics Unit
PSU	Passenger Service Unit
PTT	Press To Talk/Push To Talk
PVD	Paravisual Display
PYL	Pylon
QAM	Quadrature Amplitude Modulation Unit
QAR	Quick Access Recorder
QDT	Quadrantal
RAT	Ram Air Turbine
RDMI	Radio Distance Magnetic Indicator
RDP	Roller Drive Power
RDU	Remote Display Unit
REP	Repellent
RFLNG	Refueling
RGLTN	Regulation
RMCP	Radio Management Control Panel
RR*	Rapid Revision
RST	Reset
RSV	Reserve
RTC	Rudder Trim Control
RVSG	Reversing
RVT	Rotational Variable Transformer
SAARU	Standby Attitude/Air Data Reference Unit
SAT	Static Air Temperature
SATCOM	Satellite Communications
SB*	Service Bulletin

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SCF	System Cardfile
SCM	Spoiler Control Module
SCU	Seat Control Unit
SDI	Source Destination Identifier
SEB	Seat Electronics Box
SEB/ST	Seat Electronics Box With Self Test
SEI	Standby Engine Instruments
SEU	Seat Electronics Unit
SHVR	Shaver
SL*	Service Letter
SN	Sign
SO	Shut-off
SO	Standard Option
SPL	Splice List
SRM	Stabilizer Trim/Rudder Ratio Module
SUP-NUM	Supernumerary
SVU	Seat Video Unit
SWDL	Software Data Loader
SWL	Sidewall
T/M	Torque Motor
T/R	Thrust Reverser
TAI	Thermal Anti-Ice
TAT	Total Air Temperature
TBV	Turbine Bypass Valve
TCA	Turbine Cooling Air
TCAS	Traffic Collision Avoidance System
TCC	Turbine Case Cooling
TDL	Time Delay Logic
TDX	Torque Differential Transmitter
TERM BLK	Terminal Block
TGT	Turbine Gas Temperature
THSHD, THRSH	Threshold
TL	Tilt
TLA	Thrust Lever Angle
TMC	Thrust Management Computer
TMS	Thrust Management System
TO	Turn-off
TPIS	Tire Pressure Indication System
TPMU	Tire Pressure Monitor Unit

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TR	Torque Receiver
TR	Transformer Rectifier
TRA	Thrust Resolver Angle
TRC	Thermatic Rotor Control
TRU	Transformer Rectifier Unit
TS	Terminal Strip
TTG	Time To Go
TURB	Turbulence
TX	Torque Transmitter
UNLK	Unlock
VBV	Variable Bypass Valve
VCC	Video Control Center
VES	Video Entertainment System
VGH	Velocity, Gravity, Height
VIGV	Variable Inlet Guide Vane
VLV	Valve
VSI	Vertical Speed Indicator
VSV	Variable Stator Vane
VTY	Vanity
W/A	Wrap Around
WAI	Wing Anti-Ice
WBA	Wire Bundle Assembly
WEU	Warning Electronic Unit
WF	Fuel Flow (Weight of Fuel)
WF or wf	Weight of Fuel
WHCU	Window Heat Control Unit
WIU	Wire Integration Unit
WXR	Weather Radar
XFD	Crossfeed
XNT	Transient
XPC	External Power Contactor
XPNDR	Transponder
ZMU	Zone Management Unit

Where marked with an asterisk (*), see the GENERAL INFORMATION section, in the Wiring Diagram manual, for additional definition information.

INTRODUCTION

1. EQUIPMENT LIST—GENERAL

Electrical and electronic equipment are shown on wiring diagrams and schematics with alphanumeric designators. These designators are used as cross-reference symbols to the Equipment List where the Part Numbers and Part Descriptions are shown. Splices, grounds, terminals and wire bundles are not included in the Equipment List.

A. Equipment List Data Fields

(a) EQUIP Field (Equipment Number)

The Equipment Number field may contain up to ten (10) alphanumeric characters. The Equipment Number always begins with a letter and may contain a space followed by another character.

NOTE: Equipment numbers 9000 through 9999 and 90000 through 99999 are reserved for customer use. Using these customer assigned equipment numbers facilitates identification of customer installed equipment. Customers should use only customer assigned equipment numbers, not Boeing assigned equipment numbers reported in the Equipment List.

The following list shows the categories assigned to the Basic Equipment Designators.

EQUIPMENT DESIGNATOR	TYPE OF EQUIPMENT
A	Disconnect Brackets or Stanchions
B	Bells
	Batteries, Small
	De-Icing Boots
	Ice Detector
	Microphones
	NESA Windows
	Pitot Heater
	Speakers
C	Circuit Breakers
D	Connectors
E	Equipment Racks
G	Generator
	Generator Components
GD	Grounds (Airframe)
H	Overflow Categories, Miscellaneous Bundle Termination Equipment
J	Junction Boxes
K	Relay, Contactors
L	Lamp Assemblies
	Lights, Lamps

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EQUIPMENT DESIGNATOR	TYPE OF EQUIPMENT
continued...	
M	Accessory Units
	Amplifiers
	Antenna Tuners
	Antennas
	Batteries
	Control Units and Panels
	Galleys
	Generators
	Generator Components/Ref (CF6–80C2)
	ILS Rack
	MCU/ATR Units
	Modules (subassemblies of panels)
	Pumps
	Transmitters
N	Clocks
	Indicators
	Meters
P	Panels
QD	Control Stand Quick Disconnect
R	Diodes Resistors
	Potentiometer
	Rectifiers
	Rheostats
S	Switches
SM	Splices (Within a bundle)
SP	Splices (Between bundles)
T	T-R Units
	Transducers
	Transformers
TB	Terminal Blocks
	Terminal Strips
TS	Sensors, Transducers
V	Valves
W	Wire Bundles (See Wire List. Bundles are not listed in the Equipment List.)
Y	Line Replaceable Units

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1) An Equipment Fixture Code is identified when the Equipment Number contains a space followed by another character. The Equipment Fixture Code is typically an alphabetic character.

TYPE OF FIXTURE	FIXTURE CODES
Equipment Mating Connector Fixture (Clamps, Adapters, Backshell, etc.)	T, U, V
Inline Connector Fixtures:	
●Receptacle Fixture	K, L, M
●Plug Fixture	Q, R, S
Receptacle Identification Fixture:	
●Decal	W
●Adapter	X
●Plug Button	Y
●Cover	Z
Coaxial Tee's, Connector Fixture	T, U, V
Components of Purchased Assemblies	A-Z
Lights:	
●Bulbs	T, U, V
●Connectors	D
●Caps	C
●Ballasts which are non-optional parts (unique part numbers) but serve alternate functions.	A, B
Customer Designated Fixtures	Y, Z

(b) OPT Field (Option)

The Option field indicates if optional part numbers may be used, and if so, the order of preference.

1) Boeing "as delivered" Options:

When the OPT field is empty or a zero appears, no options are permitted due to systems or physical restrictions. A "1" indicates that options are available.

OPT	Option Available
	No
0	No
1	First Option
2	Second Option
3	Third Option

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2) Customer Requested Options:

Customer requested options are used for the incorporation of post-delivery changes, such as Boeing Service Bulletins and Customer Originated Changes. Option "9" is used for the incorporation of these changes. When more than one option is available, the four allowed options are:

OPT	Option Available
9	First Option
8	Second Option
7	Third Option
6	Fourth Option

(c) PART NUMBER Field

The Part Number field provides the part number for the equipment item. It will be a unique number defined by either vendor, Military or Boeing drawing and/or specification.

(d) PART DESCRIPTION Field

The Part Description is derived from the actual use of the item or the title of its associated drawing or specification.

(e) USED ON DWG Field (Used On Drawing)

The Drawing that contains installation details for that part.

(f) VENDOR Field (Vendor Code)

For Vendor Code translation, refer to:

H4-1: Federal Supply Code for Manufacturers-Name to Code
H4-2: Federal Supply Code for Manufacturers-Code to Name

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SPECIAL VENDOR CODE ASSIGNMENT

See the Vendor Codes section.

(g) QTY Field (Quantity)

The Quantity shown reflects the number of times each item is used on the airplane.

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(h) DIAGRAM Field

The Diagram listed is the diagram or schematic on which the item appears. However, one item may be shown on more than one diagram or schematic.

(i) STATION/WL/BL Field (Location)

Location information is shown directly below the Vendor Code. If the equipment is located on or near a panel, equipment rack, disconnect panel or terminal block, that item is referenced for locations. All other equipment locations are shown by station line, water line, and buttock line. See the Manual Usage section for a more detailed explanation.

(j) EFFECTIVITY Field

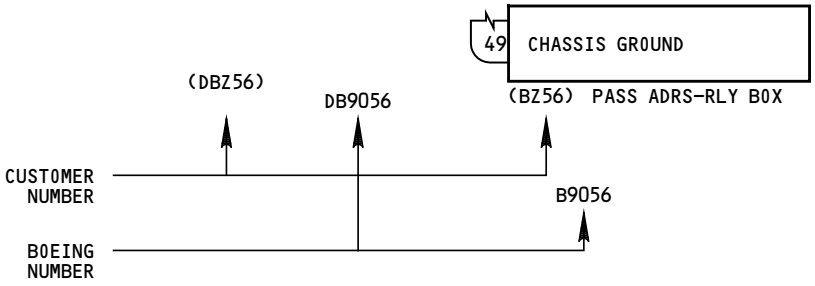
This is a Boeing or a Customer assigned number to keep track of airplanes. An effectivity is presented as a single airplane or in a range, e.g., PP001-PP099 or 001-999 or AAA-ZZZ, covering several airplanes. The word "ALL" means that the item is applicable for all aircraft listed in the Effective Aircraft section.

2. CUSTOMER ASSIGNED INCOMPATIBLE EQUIPMENT, WIRE AND BUNDLE NUMBERS

Customer assigned equipment item, wire and/or bundle numbers that are not compatible with the Boeing computer program will have an additional number assigned. This Boeing assigned number, will appear in the computer generated listings, i.e., Equipment, Wire, Ground, Splice, Terminal Strip and Hookup Lists.

NOTE: On the wiring diagram, the customer assigned equipment item, wire and/or bundle numbers will be placed in parenthesis next to the Boeing assigned numbers.

CUSTOMER ASSIGNED EQUIPMENT ITEM NUMBER



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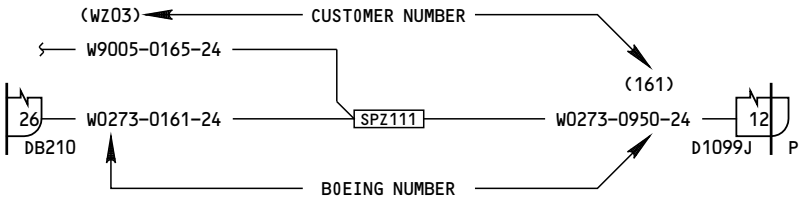
CUSTOMER ASSIGNED WIRE AND BUNDLE NUMBER



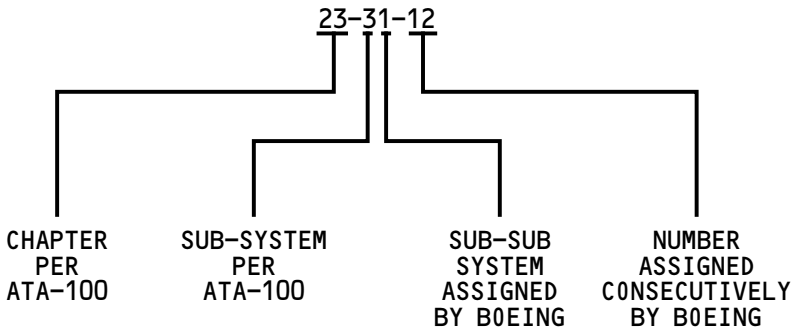
INTRODUCTION

1. BASIC INFORMATION ABOUT WIRING DIAGRAMS

A. Wiring Diagram And Page Numbering

(a) Wiring Diagram Numbering

The Diagram numbering is in accordance with ATA Specification 2200 Revision 2001.1



The first three digits will be identical on diagrams and schematics.

NOTE: When a diagram is referenced to another, only the diagram number is used. Therefore, where there is more than one page of the same diagram, it is necessary to refer to the effectivity block to make certain the diagram applies to the airplane of interest.

(b) Diagram Page Numbering

Diagram page numbering begins at 1 then 2, 3 etc. Each page reflects different delivered configurations between aircraft. See the following example.

DIAGRAM	PAGE	EFFECTIVITY
21-31-12	1	001-004
21-31-12	2	005-999

The Page numbers (Page 101, 102, etc.) are used to represent different delivered configurations of a given schematic which may be applicable to different airplanes within the customer's fleet. When a schematic page number has a suffix (e.g., 101A, 102A for Customer Originated Changes or 101.1, 102.1, etc. for Service Bulletins) it reflects a post-delivery configuration for the same airplane(s). Both the configuration delivered by Boeing and the configuration after modification remain in the manual until the airline notifies Boeing that the post-delivery change has been incorporated in the customer's entire fleet of that model, and requests Boeing to delete the obsolete configurations.

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(c) Diagram Sheet Numbering

If Diagrams of the same circuit can not be shown on one sheet, they are shown on additional sheets having the same title, diagram number and page number.

When reference is made to a multisheet diagram, the sheets will be included in the reference.

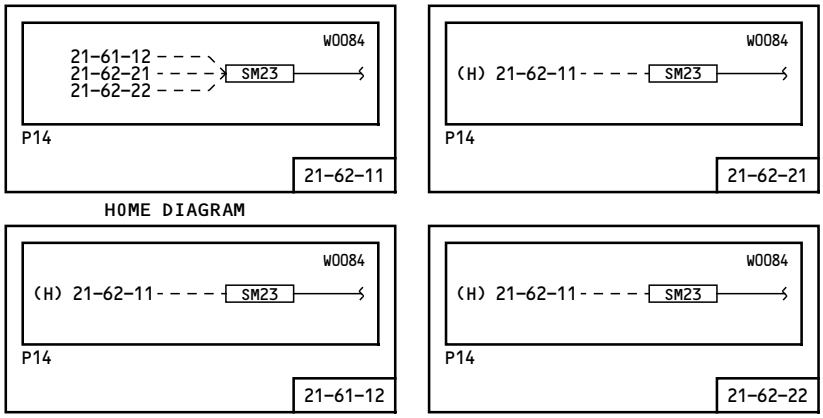
EXAMPLE:

34-11-11 SH 1	34-11-11 SH 3
34-11-11 SH 2	34-11-11 SH 4

B. Home Diagram

Any wire termination which is used for three or more wires shown on three or more wiring diagrams shall be assigned a "Home" diagram. The "Home" diagram shall indicate all connections on the termination and reference the diagram that shows the connection.

(a) Splices



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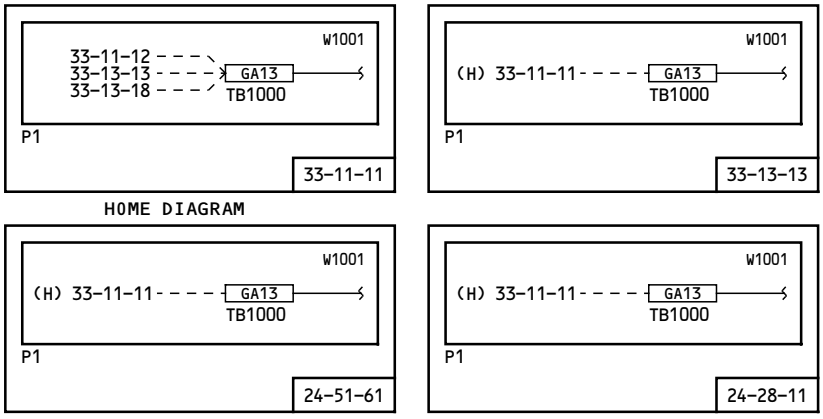
(b) Terminal Blocks



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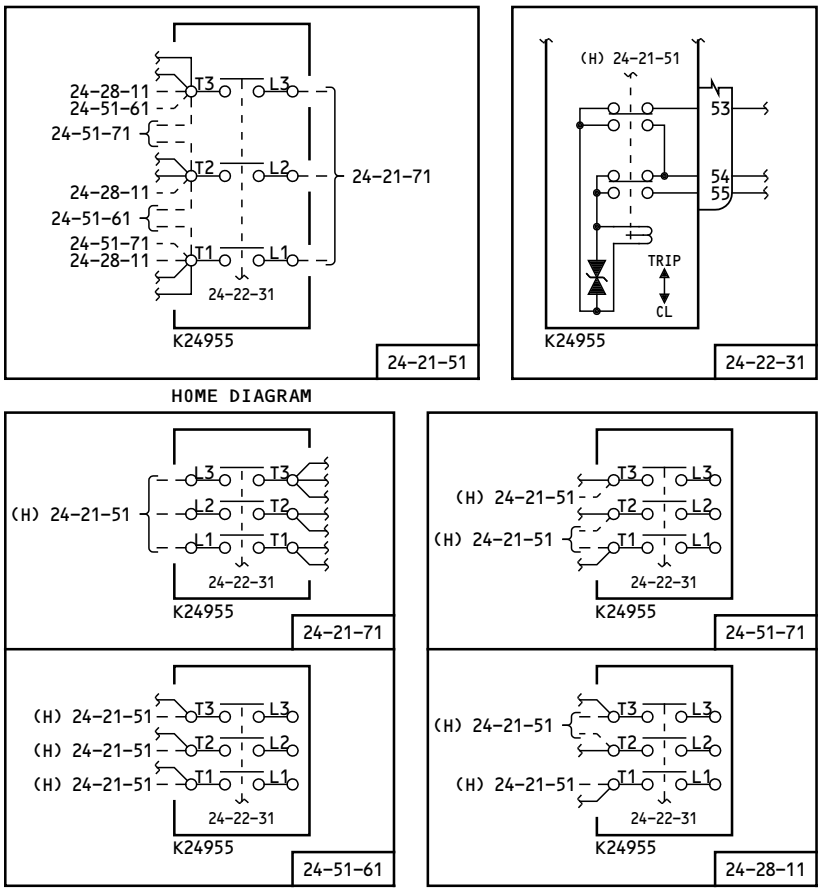
(c) Relays (The Mechanical Linkage is referenced to the diagram containing the control circuit)



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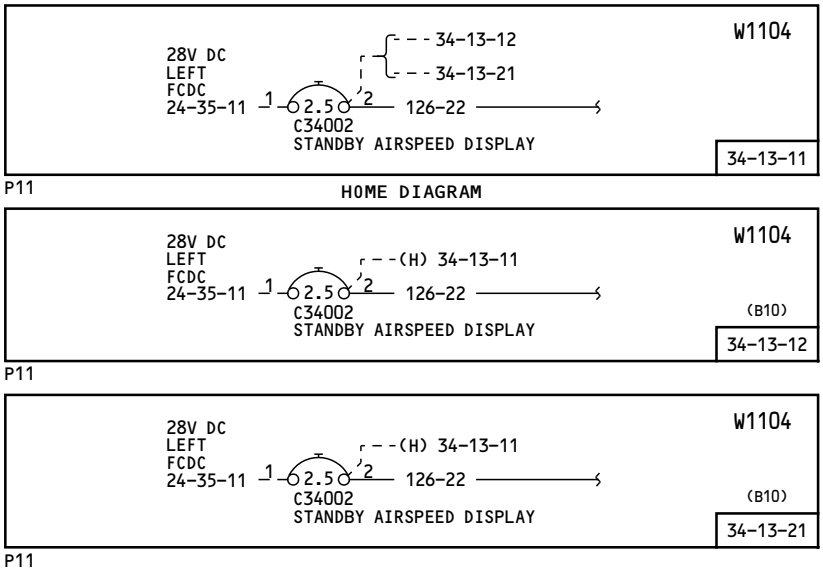
(d) Circuit Breaker



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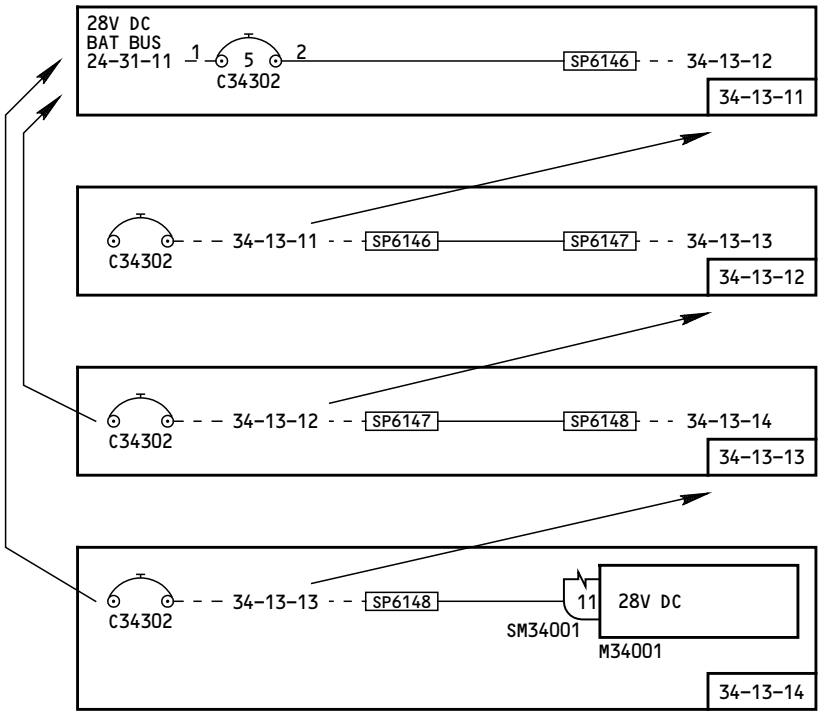
C. Power and Ground Indication

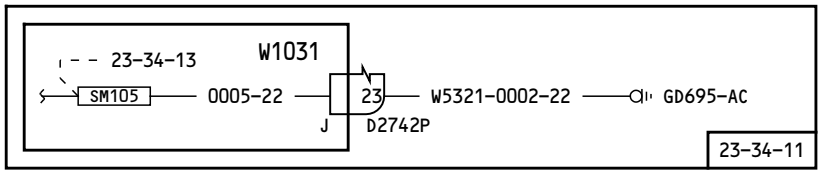
(a) Power Source Indication

The circuit breaker symbol, equipment designator, nomenclature and grid location, and diagram number of power source, are shown for circuits which are routed through connectors, splices and terminals.



(b) Ground Indication

The diagram detailing the complete ground circuit may contain references to other diagrams.



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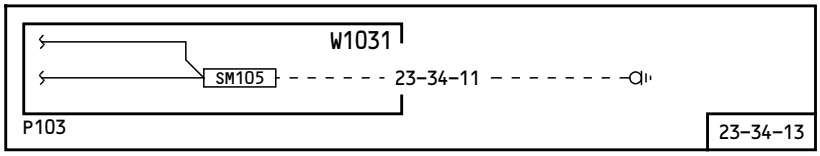
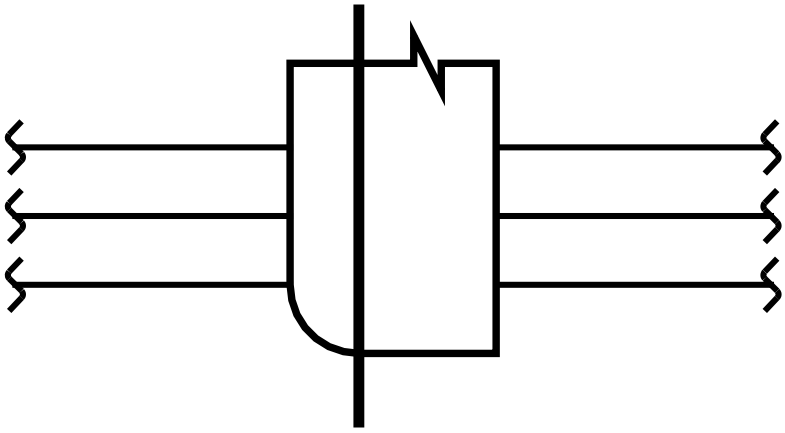
The referenced diagrams contain the ground symbol and a reference to the diagram which depicts the complete ground circuit.



D. Connector Symbols

Connector symbols are shown broken when the same connector is shown elsewhere on that or another diagram.



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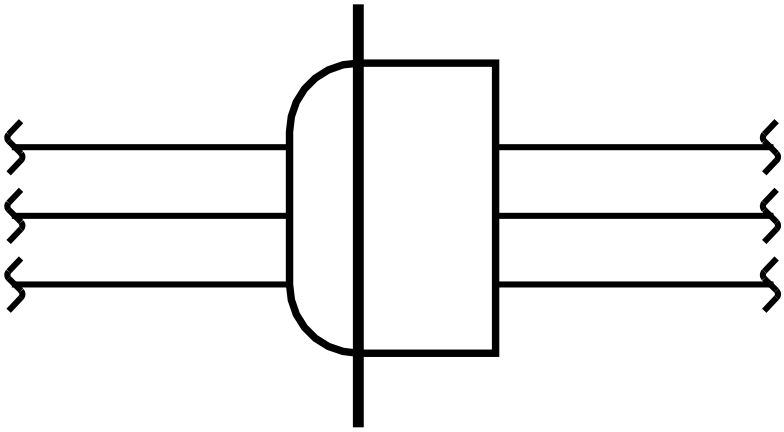
Connector symbols are shown complete when all used contacts are shown on one diagram.

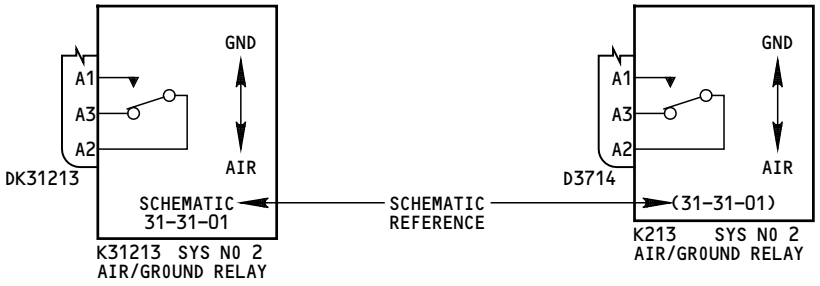


E. Galleys and Lavatories

Wiring Diagrams will show Boeing wiring to the interface with the galley and lavatory units.

F. Schematic References Shown on Wiring Diagrams

An ATA number on Wiring Diagrams shown with the word SCHEMATIC, SCHEM, or in parentheses within modules, is a Schematic reference. See the following example.



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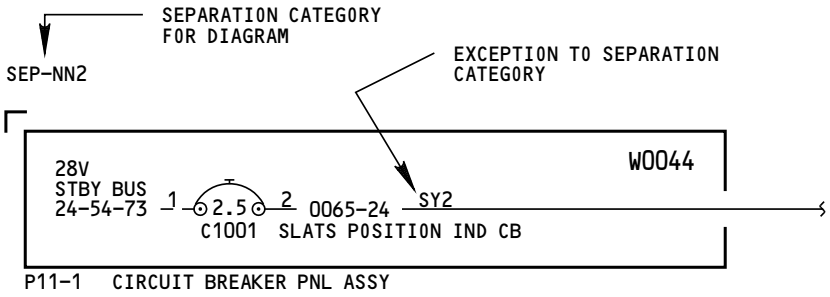
G. Wire Separation Identification

(a) The wire separation category assigned to the majority of wires on a diagram is shown in the upper left hand corner of each diagram, e.g., SEP-NN2. Wires on a diagram not part of that category are individually labeled.

(b) The actual code definitions may be found in the Codes section of the Introduction.

(c) These wire separation codes are intended for production use. Chapter 91-21-13 Master Bundle List includes the wire separation codes. The lack of a wire separation code on a diagram does not indicate there is no wire separation required. Consult the Master Bundle List for the wire separation assigned to the bundle.



INTRODUCTION

1. CHARTS

The Chapter 91 Charts contain airplane station arrangements, wire zones, major wire bundle pathways, panel and equipment shelf locations, circuit breaker panel charts, disconnect bracket charts and Master Bundle information.

2. LISTS

The Chapter 91 Lists are numbered as follows:

91-02-00	- -	Circuit Breaker List
91-04-00	- -	Bracket List
91-21-11	- -	Wire List
91-21-12	- -	Spare WireList
91-21-13	- -	Master Bundle List
91-21-21	- -	Ground List
91-21-31	- -	Splice List
91-21-41	- -	Terminal Strip List
91-21-51	- -	Hookup List

The following paragraphs in this section define the contents of Chapter 91 Lists. The Wire List is the Primary source for Spare Wire through Hookup Lists.

A. Circuit Breaker List—Chapter 91-02-00

(a) The Circuit Breaker List reflects all the circuit breakers within an airplane and is derived from data contained in the Equipment List. It lists, in alphanumeric order, each Panel/Access Door, the Description and the Diagram of that panel.

(b) For each Panel/Access Door the grid location (Grid No), the circuit breaker number (Ckt Bkr), circuit breaker label (Description), Diagram and Effectivity are listed.

(c) Unused grid locations are not listed.

(d) The Circuit Breaker List is used as supplemental data for all Chapter 91-02-XX Panel Charts containing circuit breakers.

B. Bracket List—Chapter 91-04-00

(a) The Bracket List reflects all the disconnect brackets within an airplane and is derived from data contained in the Equipment List. It lists, in alphanumeric order, each disconnect bracket (BRACKET NO.), title (DESCRIPTION), EFFECTIVITY, and where the information is available: maximum number of positions (MAX POS), and location (STATION/WL/BL).

(b) Each POSITION within a bracket, that is being used, is listed, followed by the mounted receptacle number (RECEPTACLE) and its wire bundle number (BUNDLE), the mating plug (PLUG) and wire bundle number (BUNDLE) and the EFFECTIVITY.

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(c) Positions not containing connectors are not listed but can be determined by viewing the graphical representation of the bracket in the 91-04-XX Disconnect Bracket Charts. In general, brackets with numerically numbered positions (001, 002, 003...) are consecutively numbered and any omitted number is likely present on the bracket but unused. On brackets with alphanumeric grid positions (A01, A02, B04, C07...) are probably approximately rectangular with the alpha part representing one axis of the grid and the numeric part representing the other axis of the grid. In those cases, the positions are generally going to be numbered in a consistent rectangular grid method (A01, A02, ... A05, B01, B02, ... B05, ... F01, F02, ... F05). Any positions in this pattern that are not listed as used are likely on the bracket but unused. Some bracket positions are also numbered with strictly alphabetical values (A, B, C, F, G...). In all of these cases, it is necessary to reference the graphical representation of the bracket to be sure of the existence of a particular unused bracket position.

(d) The Bracket List is used as supplemental data for all 91-04-XX Disconnect Bracket Charts.

C. Wire List—Chapter 91-21-11

The Wire List reflects all the wire bundles within an airplane. It lists, in alphanumeric order, each Bundle Number (Bundle No.), Part Number, Description and the wires within each bundle.

(a) BUNDLE NO. Field (Wire Bundle Number)

Each wire bundle is given an item number beginning with "W". This item number is the first part of the wire number and is derived from the wire bundle drawing number. The four digits XXXX of the item number is the wire bundle number. The first part of the wire number thus becomes WXXXX.

Wire bundle numbers W9001-W9999 are reserved for customer use.

(b) PART NUMBER and DESCRIPTION Fields

The wire bundle part number is derived from the wire bundle drawing number. A description of the bundle follows the part number.

(c) WIRE No./GA/CO Field (Wire Number/Gauge/Color)

A typical wire number consists of the wire identifier and gauge. A color designator may appear at the end of the wire identifier or gauge number. See Paragraph 3, for wire number details.

The wire numbers are physically printed or stamped on each wire and are also used on the Wiring Diagrams to identify the wires.

Wire numbers 901-999 and 9001-9999 are reserved for customer use.

(d) TY Field (Wire Type)

The Wire Type code is a two-character identifier for the type of wire used. These codes are described in 20-00-13 of the Standard Wiring Practices (Chapter 20).

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(e) Fam Field (Wire Family)

Multi-conductor wires such as twisted or shielded wires are grouped as a family of wires. Each family of wires is given a code which is unique per bundle. Therefore, the family code is used to denote that some wires are physically related to each other either by being twisted together or by sharing the same shield or jacket. Family codes are assigned a code between A-ZZ.

(f) FT-IN Field (Wire Length)

1) The length of the wire is shown in this field.

   Critical lengths and tolerances will be shown on diagrams for applicable wires or bundles.

   Measure the wire length from the connector face or terminal ring centerline to the connector face or terminal ring centerline at the opposite wire end.

2) 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.

(g) DIAGRAM Field (Diagram Reference)

1) The numbers in this field reflect the diagram on which the wire appears. The diagram references apply to any functional, ARINC Spare, or System Spare wire. These wires will not be shown on the wire diagram and are not spare wires.

   NOTE: The diagram reference "99-99-99" is used for the wire bundle manufacturing process (e.g., Stub wires or wires to maintain pin circuit separation).

2) Spare wires may be found in the Chapter 91 Wire List, Ground List, Terminal Strip List, Splice List and Hookup List with "SPARE" in the DIAGRAM field. These spare wires may be used by the customer for Kit and Service Bulletin incorporations by assigning diagram numbers to those particular wires used.

3) Boeing identifies wires as spare that are no longer functional but may remain in a bundle. These wires will be identified in the Chapter 91 Lists as "SPARE*", and the wires will be deleted from the diagrams. These wires are available for customer use on an individual airplane basis. Boeing may choose to delete or re-use these wires.

(h) EQUIP From and To Field (Equipment Number)

There are two EQUIP fields, one for each end of the wire. Any item designator found in this field, other than splices and grounds, will be defined in the Equipment List.

(i) TERM From and To Field (Terminal Number)

There are two TERM fields, one for each end of the wire. The contact identifiers in these fields are typically alphanumeric characters.

1) An equal sign (=) appearing ahead of the identifier means no identification is to be found on the part and the identifiers used are for hookup and test purposes.

2) "REF" is used to indicate a termination in the vicinity of, but not in, the splice or terminal indicated in the EQUIP field. It may be used with an SP number instead of SPREF in the EQUIP field.

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3) "DED" indicates the shield is dead ended and not terminated by pigtail or jumper wire.

4) "CAP" indicates a wire terminated by an end cap near the equipment shown.

5) Ground terminations are shown as A.., AC Ground; D.., DC Ground; S.., Static or Shield or Special Ground.

6) Color codes represent the pin identification codes of colored pigtails from vendor furnished equipment. See Paragraph 3.B(4) for TERM color codes. The wire number associated with the pigtails are in the form A-A thru Z-9.

7) Pin and socket lower case letter identifiers are indicated by an upper case letter followed by a minus sign (-), (e.g. F- = f).

8) The following are special shield terminations:

- PER-S280W605 Backshell - Zero Inch Termination
- PERB-S280W603 Backshell - Zero Inch Termination
- PERG-S280W601 Multi Insert Ground Block - 3 Inch Maximum
- =CC-Strain Relief - 2 Inch Maximum
- G-Terminal Track Ground - 2 Inch Maximum

(j) Type Field From and To (Terminal Type)

The Terminal Type codes appearing in this field are defined in the CODES section identifying:

1) Codes for Lug (Stud) size (diagram symbol depicted).

2) Codes for Special Terminals.

3) Codes for Special Contacts.

(k) SPLICE Field From and To (Splice)

This field shows conditions under which the connection is made:

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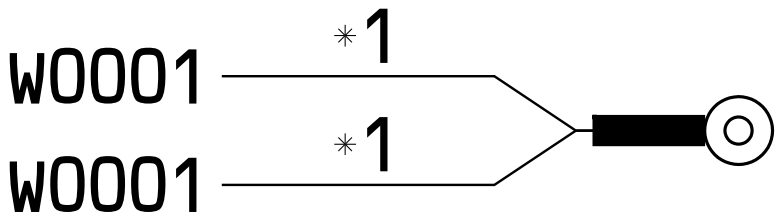
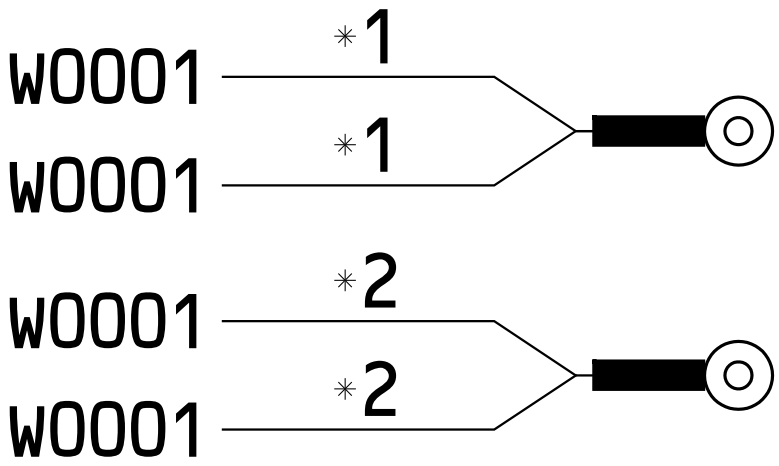
1) * In the splice field indicates two or more wires terminate in the same attaching device, i.e., lug, pin, or solder terminal (not used on SP or SM splices).



2) * 1, * 2, * 3 designate which wires appear in which single device, 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.



3) Ferrule groups or shielded wires with shields tied together with jumpers are identified as a common terminus by a two letter F( ) code. All shields with an "FA" in either SP field are common.

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Sometimes a jumper wire number FR-( ) is used to connect the FA shields and a termination such as a pin in a connector or to a ground. Jumper FRAA is required to terminate FA, jumper FRAB is required for FB and so on.

4) Shields terminating in a splice will show "A", "B", and so on, in the SP field. The wire from the splice to another termination will be numbered "JPA", "JPB", and so on.

(l) EFFECTIVITY Field

This is a Boeing or a Customer assigned number to keep track of airplanes. An effectivity is presented as a single airplane or in a range, e.g., PP001-PP099 or 001-999 or AAA-ZZZ, covering several airplanes. The word "ALL" means that the item is applicable for all aircraft listed in the Effective Aircraft section.

D. Spare Wire List—Chapter 91-21-12

(a) The Spare Wire List reflects all spare wires within the airplane. Spare Wires are reported in order by From Matewith Equipment, Position Number on that Equipment, the Wire Bundle Number, then Wire Bundle Separation Code, From Terminating Equipment Number, and Wire Number.

(b) Additional information provided in the Spare Wire List is Wire Bundle Description, Terminal Number on the From Equipment, Terminal Type on the From Equipment, the Wire Gauge, Wire Type, To Equipment Number, Terminal Number on the To Equipment, Terminal Type on the To Equipment, the To Matewith Equipment, the Position on the To Matewith Equipment, and Effectivity.

E. Master Bundle List—Chapter 91-21-13

(a) The Master Bundle List reflects all wire bundles within the airplane. Master Bundle List is reported in Bundle number order with the corresponding Separation Code and Description.

(b) The Equipment field contains the Equipment Item Number of the ends of that Wire Bundle. The Matewith field contains the Equipment Item Number where the end equipment mates with. The LOCATION may contain position, Panel numbers or Station/Water/Buttock line information. The MW Connector field contains the Equipment number of the mating connector. The MW Bundle field contains the Bundle number for the MW Connector.

F. Ground List—Chapter 91-21-21

(a) The Ground List reflects two types of airframe grounds used within an airplane. Ground Blocks (GB) are used only in pressurized areas, while Ground Studs (GD) are used in both pressurized and non-pressurized areas. Grounds on shelves and panels (GDM, GDX, GDY, GDZ, GBX, GBY, and GBZ) are not listed as they are unique within a specific shelf or panel.

(b) Ground List reflects all grounds within the airplane. The Ground List is reported in alphanumeric order, with the corresponding Part Number and Location .

(c) The detail rows below the Ground number contain Termination number, Termination type, Wire bundle number, Wire number within that bundle, wire gauge and color of that wire, diagram reference and effectivity.

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G. Splice List—Chapter 91-21-31

(a) The Splice List reflects all splices (SP) unique within an airplane. Splices (SP) are used when connecting wires from other wire bundles and vendor wires within the same wire bundle. Smooths (SM) are not listed as they are unique only to a wire bundle.

(b) Splice List reflects all splices within an airplane. The Splice List is reported in alphanumeric order, with the Location (Station/WL/BL).

(c) The detail rows below the Splice number contain Wire bundle number, Wire number within that bundle, wire gauge, color of that wire, type of wire and the diagram reference, and effectivity.

H. Terminal Strip List—Chapter 91-21-41

(a) The Terminal Strip List reflects all the terminal strips within an airplane. The Terminal Strip List is reported in alphanumeric order with their part number and location (STATION/WL/BL).

(b) The detail rows below the Terminal Strip number contain the terminal block fixture identifier, each terminal on a strip, the terminal type, the wire bundle number, the wire number, the gauge and color, the diagram depicting each wire and the effectivity for each wire.

(c) The fixture (FIX) field reflects the type of terminal block installed on a terminal strip. The various types of terminal blocks are shown in the Symbols section.

(d) The term G reflects the wire terminating at the integrated grounding module part of the terminal track.

I. Hookup List—Chapter 91-21-51

(a) The Hookup List reflects all wire terminating devises except grounds, splices, terminal strips and single-phase circuit breakers within an airplane. The Hookup List reports the Equipment in alphanumeric order with their location (STATION/WL/BL) and Description.

Single-phase (one circuit) circuit breakers are not listed for two primary reasons:

1) Each unit is shown complete on the affected diagram. Hookup List data would be redundant.

2) The benefits to be derived from listing the units would not justify the increased size of the manual.

(b) The detail rows below the Equipment contains the terminals on these devises and the terminal type. The wire bundles, their wire numbers, gauge and color terminating at each terminal is listed along with the diagram on which the terminal is depicted and its effectivity.

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3. EXPLANATION OF WIRE NUMBERING AND COLOR CODES FOR THE CHAPTER 91 LISTS (91-21-11 THRU 91-21-51).

A. Wire Numbering

Wire serial numbers are wire bundle unique and are generally chosen from the following categories:

NOTE: Wire numbers reserved for Airline use are 901-999 and 9001-9999, based on the existing wire number patterns in a given Wire bundle. For example: Wire numbers with three numerics will use 901-999 and Wire numbers with four numerics will use 9001-9999.

NOTE: Asterisk (*) indicates alphabetic characters A through H, J through N, or P through Z.

CATEGORY	WIRE NUMBER
Fire Detection Wire	001R-199R 451R-899R
Single Wire	001-199
Single Wire Shield	001Z-199Z
Single Shield Ground Wire	001F-199F
Twisted Pair	201B-299B 501B-599B 201R-299R 501R-599R
Twisted Pair Shield	201Z-299Z 501Z-599Z
Twisted Pair Shield Ground Wire	201-299
Twisted Pair Shield Ground Overflow	201F-299F
Twisted Pair, Double Shield	01TB-29TB 50TB-99TB 01TR-29TR 50TR-99TR
Twisted Pair Inner Shield	01TI-29TI 50TI-99TI
Twisted Pair Outer Shield	01TO-29TO 50TO-99TO
Twisted Triplet	301B-399B 301R-399R 301Y-399Y
Twisted Triplet Shield	301Z-399Z
Twisted Triplet Shield Ground Wire	301-399
Twisted Triplet Shield Ground Overflow	301F-399F
Twisted Triplet, Double Shield	30TB-49TB 30TR-49TR 30TH-49TH
Twisted Triplet Inner Shield	30TI-49TI
Twisted Triplet Outer Shield	30TO-49TO
Coaxial Cable	01CX-99CX

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CATEGORY	WIRE NUMBER
continued...	
Coaxial Shield	01CO-99CO
Twinax Cable	01X1-99X1 01X2-99X2
Twinax Shield	01CO-99CO
Triaxial Cable	01TX-99TX
Triaxial Inner Shield	01TI-99TI
Triaxial Outer Shield	01TO-99TO
Bundles with more than 900 wires	01A-99Z
Flat Wire, Insert A Wires	(*)K02 through (*)K19
Flat Wire, Insert B Wires	(*)L02 through (*)L19
Flat Wire, Insert A Wires	(*)M02 through (*)M19
Flat Wire, Insert B Wires	(*)N02 through (*)N19
Flat Wire, Insert A Copper Foil	(*)K01 and (*) K20
Flat Wire, Insert B Copper Foil	(*)L01 and (*) L20
Flat Wire, Insert A Copper Foil	(*)M01 and (*) M20
Flat Wire, Insert B Copper Foil	(*)N01 and (*) N20
Vendor Wires	A-A through Z-9
Vendor Wires Shield	A-AZ through Z-9Z
Vendor Wires, Reserved for Airline	9-1 through 9-99
Six inch Pigtail Ferrule Group to a Termination (Pin, Ground, etc.)	FRA-HR9
Polarizing Pin or Rod	PA1-PY9
Polarizing Pin or Rod, Reserved for Airline	PZ1-PZZ
Jumper Wires (6 inches or less in length)	JPA-JPZ
Braid Pulled Over Bundle or Overall Shield on Multiconductor Cable	YAA-YZZ
Separation Sleeving	S01-S99
Protective Sleeving	P01-P99
Twisted Quads	401B-450B 401G-450G 401R-450R 401Y-450Y
Twisted Quads Shield	401Z-450Z
Twisted Quads Shield Ground Wire	401-499
Twisted Quads Shield Ground Overflow	401F-499F
Special Wires (High temp, thermocouple, etc.)	451-500 451AA-500YY
Overflow of All Categories	0AA-9ZZ 601-899 501AA-899YY

INTRODUCTION

B. Wire Color Codes

Wires may be identified by color instead of wire numbers.

WIRE COLOR	WIRE NUMBER
Black	0BLK
Black/Blue	0BKB
Black/Brown	0BKN
Black/Green	0BKG
Black/Gray	0BKA
Black/Orange	0BKO
Black/Red	0BKR
Black/Violet	0BKV
Black/White	0BKW
Black/Yellow	0BKY
Black/White/Orange	0BWO
Black/White/Red	0BWR
Blue	0BLU
Blue/Black	0BBK
Blue/Brown	0BBN
Blue/Green	0BLG
Blue/Green/Black	0BGK
Blue/Yellow	0BLY
Blue/Orange	0BOR
Blue/Red	0BRD
Blue/White	0BWH
Blue/White/Orange	0UWO
Blue/Purple	0BPR
Brown	0BRN
Brown/Blue	0BRB
Brown/Gray	0BGR
Brown/Green	0BRG
Brown/Orange	0BRO
Brown/Red	0BRR
Brown/Violet	0BRV
Brown/Yellow	0BRY
Gray	0GRA
Gray/Red	0GRR
Gray/Orange	0GRO
Gray/Yellow	0GRY

INTRODUCTION

WIRE COLOR	WIRE NUMBER
continued...	
Green	0GRN
Green/Black	0GBK
Green/Purple	0GPR
Green/Red	0GRD
Green/White	0GWH
Green/Yellow	0GYL
Green/Black/Orange	0GBO
Green/Black/White	0GBW
Orange	0ORG
Orange/Black	0OBK
Orange/Brown	0OBN
Orange/Green	0OGR
Orange/Purple	0OPR
Orange/Red	0ORD
Orange/Yellow	0OYL
Orange/Black/Green	0OBG
Orange/Black/White	0OBW
Pink	0PNK
Purple	0PUR
Red	0RED
Red/Black	0RBK
Red/Black/Green	0RBG
Red/Black/White	0RBW
Red/Brown	0RBR
Red/Green	0RGR
Red/Orange	0ROR
Red/Purple	0RPR
Red/White	0RWH
Red/Yellow	0RYL
Red/Yellow/Green	0RYG
Uninsulated Wire	0UNI
Violet	0VIO
White	0WHT
White/Black	0WBK
White/Blue	0WBU
White/Blue/Yellow	0WBY
White/Brown	0WBN

INTRODUCTION

WIRE COLOR	WIRE NUMBER
continued...	
White/Gray	0WGY
White/Green	0WGR
White/Orange	0WOR
White/Orange/Black	0WOB
White/Purple	0WPU
White/Red	0WRD
White/Red/Blue	0WRB
White/Violet	0WVI
White/Yellow	0WYL
White/Black/Blue	0WBL
White/Black/Brown	0WBB
White/Black/Gray	0WBA or WKA
White/Black/Green	0WBG
White/Black/Orange	0WBO
White/Black/Red	0WBR
White/Black/Yellow	0WKY
White/Black/Violet	0WBV
White/Brown/Blue	0WNL
White/Brown/Gray	0WNA
White/Brown/Green	0WNG
White/Brown/Orange	0WNO
White/Brown/Red	0WNR
White/Brown/Violet	0WNV
White/Brown/Yellow	0WNY
White/Pink	0WPK
White/Red/Green	0WRG
White/Red/Orange	0WRO
White/Red/Yellow	0WRY
Yellow	0YEL
Yellow/Black	0YBK
Yellow/Green	0YGR
Yellow/Orange	0YOR
Yellow/Purple	0YPR

(a) Vendor furnished pigtail color codes used in the "TERM" field are:

INTRODUCTION

COLOR	CODE
Black	BLK
Black/Blue	BKB
Black/Brown	BKN
Black/Green	BKG
Black/Gray	BKA
Black/Orange	BKO
Black/Red	BKR
Black/Violet	BKV
Black/White	BKW
Black/Yellow	BKY
Black/White/Orange	BWO
Black/White/Red	BWR
Blue	BLU
Blue/Black	BBK
Blue/Brown	BBN
Blue/Green	BLG
Blue/Green/Black	BGK
Blue/Orange	BOR
Blue/Purple	BPR
Blue/Red	BRD
Blue/White	BWH
Blue/White/Orange	UWO
Blue/Yellow	BLY
Brown	BRN
Brown/Blue	BRB
Brown/Gray	BGR
Brown/Green	BRG
Brown/Orange	BRO
Brown/Red	BRR
Brown/Violet	BRV
Brown/Yellow	BRY
Gray	GRA
Green	GRN
Green/Black	GBK
Green/Purple	GPR
Green/Red	GRD
Green/White	GWH
Green/Yellow	GYL

INTRODUCTION

COLOR	CODE
continued...	
Green/Black/Orange	GBO
Green/Black/White	GBW
Orange	ORG
Orange/Black	OBK
Orange/Brown	OBN
Orange/Green	OGR
Orange/Purple	OPR
Orange/Red	ORD
Orange/Yellow	OYL
Orange/Black/Green	OBG
Orange/Black/White	OBW
Pink	PNK
Purple	PUR
Red	RED
Red/Black	RBK
Red/Black/Green	RBG
Red/Black/White	RBW
Red/Brown	RBR
Red/Green	RGR
Red/Orange	ROR
Red/Purple	RPR
Red/White	RWH
Red/Yellow	RYL
Red/Yellow/Green	RYG
Violet	VIO
Uninsulated Wire	UNI
White	WHT
White/Black	WBK
White/Blue	WBU
White/Blue/Yellow	WBY
White/Brown	WBN
White/Gray	WGY
White/Green	WGR
White/Orange	WOR
White/Orange/Black	WOB
White/Purple	WPU
White/Red	WRD

INTRODUCTION

COLOR	CODE
continued...	
White/Red/Blue	WRB
White/Violet	WVI
White/Yellow	WYL
White/Black/Brown	WBB
White/Black/Orange	WBO
White/Black/Red	WBR
White/Pink	WPK
White/Red/Green	WRG
Yellow	YEL
Yellow/Black	YBK
Yellow/Green	YGR
Yellow/Orange	YOR
Yellow/Purple	YPR

INTRODUCTION

1. WIRE TYPE CODE

This information is covered in Chapter 20, Standard Wiring Practices, Section 20-00-13.

2. VENDOR CODE

For Vendor Code translation, refer to:

H4-1: Federal Supply Code for Manufacturers-Name to Code
H4-2: Federal Supply Code for Manufacturers-Code to Name
H4-3: Nato Supply Code for Manufacturers-Name to Code/Code to Name

Published by:

Defense Supply Agency
Defense Logistics Services Center
Federal Center Building
Battle Creek, Michigan 49016

VENDOR CODE	SPECIAL VENDOR CODE ASSIGNMENT
V96906	Parts having Military Part Numbers
VAAL	American Airlines Inc. Tulsa, Oklahoma
VAB	Coastal Mfg. Co. Santa Monica, California
VAC	Safety Industries Inc. Glen Ellyn, Illinois
VAD	Glarban Corp. Gordonville, N.Y.
VAE	Ucinite Co., The Los Angeles, California
VAF	Air France 1 Square Max Hymans 75, Paris 15, France
VAI	Industrial Products Co. Gardena, California
VAJ	Bozak Sales Co. Salisbury, Connecticut
VAO	Teddington Controls Ltd. Tydfil, South Wales
VARINC	Arinc
VARMED	Airmed Ltd. Edinburgh Way Harlow, Essex, England
VAZ	Murphy Radio Ltd. Welwyn Garden City Hertfordshire, England

INTRODUCTION

VENDOR CODE	SPECIAL VENDOR CODE ASSIGNMENT
continued...	
VBB	United Data Control Inc. Pasadena, California
VBC	Holmberg and Co. Ohlaur Strausse 5-11 Berlin, S036
VBD	John E. Lindberg Co. Berkely, California
VBF	The Firewall Co. Subsidiary of Aro Corpl Los Angeles, California
VBFE	Buyer Furnished Equipment
VBG	Societe Francaise D'Equipments (SFENA) Siege Social 25A 20 Rue Du Point Nevilly, Seine, France
VBH	Ackerman, Albert, Firma Akerman Albert, Gummersback/Rhld., Germany
VBJ	Smiths Aviation Divisions Cricklewood, London, England
VBJ	Standard Telephones and Cables Ltd. Connaught House, 63 Aldwich West Central 2, London, England
VBM	Associated Industries Seattle, Washington
VBO	H.K. Wilson Co. Bellevue, Washington
VBP	Brook Part Laboratories, Inc. Cleveland, Ohio
VBR	Amplivox Ltd., Industrial Div. Beresford, Av. Wembley, Middlesex, England
VBRZVA	Bronzavia-S.A. 207 Blvd. Saint-Denis 92 Courbevoie, France
VCELRD	Cosser Electronics Limited Radar Division The Pinnalces, Elizabeth Way Harlow, Essex, England
VDELTA	Delta Air Lines, Incorporated Hartsfield-Atlanta International Airport Atlanta, Georgia 30320
VEIA	Electronic Industries Association

INTRODUCTION

VENDOR CODE	SPECIAL VENDOR CODE ASSIGNMENT
continued...	
VELNO	Elno 18 Rue Du Val Notre Dame 95 Argenteuil, France
VEPS	Electric Power Storage, Ltd. P.O. Box 5 Clifton Junction Swenton, Manchester England, M272LR
VFO241	Filotex 140 Rue Eugene-Delacroix 97210 Draveil France
VGRVNR	Graviner Inc. 1121 Bristol Rd Mountainside, N.J. 07092
VIMP	Inflight Motion Pictures, Inc. 23-06 31st Ave. Long Island City, New York 11106
VJAEGR	Jaeger 2 Rue Baudin Levallois-Perret 92 France

3. TERMINAL INFORMATION

The following index of "Term Type Codes" lists the code, a description of the code and, as applicable, the terminal stud size and/or part number. The code index is arranged in the following order:

- Single alphabetical letter
- Double alphabetical letters
- Single alphabetical letter + symbol
- Single alphabetical letter + number
- Number + alphabetical letter
- Numbers
- Symbols

See Standard Wiring Practices (Chapter 20) for maintenance or repair information.

A. Single alphabetical letter

TERM TYPE CODE	DESCRIPTION OF THE CODE	STUD SIZE/PART NUMBER
A	Terminal	2 BACT12AC43
B	Terminal, Restrictive Entry	4
C	Terminal, Restrictive Entry	6
D	Terminal, Restrictive Entry	8

INTRODUCTION

TERM TYPE CODE	DESCRIPTION OF THE CODE	STUD SIZE/PART NUMBER
continued...		
E	Terminal, Restrictive Entry	10
F	Terminal, Restrictive Entry	1/4
G	Terminal, Restrictive Entry	5/16
H	Terminal, Restrictive Entry	3/8 BACT12AR() and BACT12AC()
I	Terminal	6/ BACT12S (5) (8)
J	Terminal, Hi-Temp	2/ BACT12M( )
K	Terminal, Hi-Temp	4/ BACT12M( )
L	Terminal, Hi-Temp	6/ BACT12M( )
M	Terminal, Hi-Temp	8/ BACT12M( )
N	Terminal, Hi-Temp	10/ BACT12M( )
O	Terminal	1/2 /BACT12AC51
P	Terminal, Hi-Temp	1/4 /BACT12M( )
Q	Terminal, Hi-Temp	5/16 /BACT12M( )
R	Terminal, Hi-Temp	3/8 /BACT12M( )
S	Soldered (except connectors)	All stud sizes
S	Splice, In-line, Gen. Purpose	NAS1389-( ), 1388-( )
T	Terminal, Hi-Temp	6/ 53573-2
U	Terminal, Hi-Temp	6/ 53580-1
V	Splice, Shielded	
W	Splice, Moisture resistant	34137, 34138
X	Terminal, Slide on, .250 flat	42888-1
Y	End Cap	32448 ( )
Z	Terminal, Slide on, .300 flat	42628-2

B. Double alphabetical letters

TERM TYPE CODE	DESCRIPTION OF THE CODE	PART NUMBER
BJ	Contact, Burndy Block	M39029/11-145
CA	Contact, Coaxial	48-1226-02
CB	Contact, Socket	BACC47EG4
CC	CMP004-S103; #08 SKT, #08 Crimp Barrel for 8 Gauge wire or CMP 003-S103; #08 SKT, #12 Crimp Barrel for 12 Gauge wire	BAC 5162-69

INTRODUCTION

TERM TYPE CODE	DESCRIPTION OF THE CODE	PART NUMBER
continued...		
CD	CMP004-S103; #08 SKT, #08 Crimp Barrel for 8 Gauge wire, or Lug for No. 6 Stud for 16 gauge wire	BAC5162-69 or 2-320561-3 Lug
CL	Contact, pin	48-100-5014P-02
CY	Contact, Coaxial	LRMXZK-8
CZ	Contact, Alumel pin	030-1899-000
DA	Contact, shielded	249-1634-000
DB	Contact, shielded	249-1768-000
DC	Contact, coax	CQMEF-316
DD	Contact, coax	249-1983-000
DE	Contact, coax	CC5791-3
DK	Contact, socket	248-136-2018S-02
DL	Contact, pin	48-100-5014P-02
DM	Contact, socket	031-9246-000
DN	Contact, coax	BACC47EU4
DP	Contact, coax	226781-1
EN	Contact, pin	P-204540
EO	Contact, socket	P-204541
FK	Contact	MS24255-16S
FL	Contact, pin	48-100-5012P-02
FM	Contact, socket	248-136-2016S-02
FN	Contact, pin	48-100-5021P-02
FO	Contact, socket	248-136-1614S-02
GB	Contact, socket	031-9162-000
GC	Contact, pin	030-9163-000
GE	Splice, Aluminum to Copper	52523 or 277157-1
GF	Splice, Aluminum to Copper	52524 or 277158-1
GG	Splice, Aluminum to Copper	52525 or 277159-1
GH	Splice, Aluminum to Copper	52526 or 277160-1
GJ	Splice, Aluminum to Copper	52527 or 277161-1
GK	Splice, Aluminum to Copper	53527-1 or 277165-1
GL	Splice, Aluminum to Copper	53528-1 or 277163-1
GM	Sleeve, Crimp pot adaptor	252-0130-001
GN	Contact, coaxial	249-2107-000
GP	Contact, coaxial	249-5027-013
GQ	Contact, socket	249-1634-000

INTRODUCTION

TERM TYPE CODE	DESCRIPTION OF THE CODE	PART NUMBER
continued...		
GR	Contact, shielded	249-2203-000
GS	Contact, Quick disconnect	1841-1-5620
GT	Sleeve, Crimp adapter	252-0128-000
GV	Contact, socket	249-1983-000, 249-1400-000
GW	Terminal, High Temp	321894, 322338, 323750
GX	Terminal, High Temp	Stud size 10, 322338
GY	Terminal, High Temp	322320, 322341, 323751
GZ	Terminal, High Temp	Stud size 10, 323750
HG	Adapter, solder	BACA14AB-164
IC	Burndy Dual Hole Stud	YAV2C2L-38NK
IH	Dual Stud-hole Copalum (04 AL, 06 CU), 3/8" Stud	55833-2
IL	Dual Stud-hole Copalum (*1 AL, 02 CU), 3/8" Stud	55837-1
IT		YAV25-2L38-NK
JK	Contact	BACC47EG2
JS	Contact, splice & pin	48-7190, BACC47CN-2
JT	Contact, splice & socket	48-7191, BACC47CP-2T
JU	Contact, splice & socket	48-7191, BACC47CP-2T
JV	Contact, splice & pin	48-7190, BACC47CN-2
JW	Stow per BAC 5153	BACC47CP1A
JY	Sleeve & Stow	BACC47ER1
LA	Amphenol	331456
LB	Terminal, 90 deg.	Stud 5/16 or 3/8
LL	AMP No. 6 Stud	320634
LR	Terminal	BACT12E
OI	STANDARD #8 LUG	324915
OJ	Contact	203841-1
PA	Connector, M26500	280T1007-1
PB	Terminal, High Temp	280U0010-1
PL	Wire Wrap Post Insulator	T-FIT063-2
RA	Terminal, Right Angle	Stud 3/8, YAV25RSNK
RB	Terminal, Right Angle	Stud 3/8, YAV4RS2NK
SD	Soldered Terminals & connectors	Stud size All
SM	Contact, pin	CQMEM-200
SN	Contact, socket	CQMEF-200

INTRODUCTION

TERM TYPE CODE	DESCRIPTION OF THE CODE	PART NUMBER
continued...		
SY	Contact, pin	CQMEM-503
SZ	Contact, socket	CQMEF-503
VH	High temp sealed splice assembly for shielded wire and shielded cable	See Chapter 20 (D6-54446) for more information
VL	Sealed splice assembly for shielded wire and shielded cable	See Chapter 20 (D6-54446) for more information
WH	Contact	031-9134-004
WL	Closed end Splice	
XR	AMP Long Spring spade, #6 Stud	52409

C. Single alphabetical letter + symbol

TERM TYPE CODE	DESCRIPTION OF THE CODE	PART NUMBER
E/	Terminal, Aluminum wire	52834-1 or 277154-1
E-	Terminal, Flag type	BACT12G10
E*	Terminal, Flag type	BACT12G81
G*	Splice, Aluminum to copper	277027-1
H*	Terminal, Aluminum to copper	1-52521-0 or 277152-4

D. Single alphabetical letter + number

TERM TYPE CODE	DESCRIPTION OF THE CODE	PART NUMBER
D1		YAV14G82 No. 8 Stud
D2	For 767 Only	BACT12M-173, USE #14 OR #16 WIRE TO A #8 STUD
D2	For 747 Only	YAV14H1 NO.8 STUD
D4	Terminal, Aluminum wire	52835 or 277149-5
D6	Terminal, Aluminum wire	52834 or 277148-5
E1		YAV14G88 No. 10 Stud
E3	For 767 Only	BACT12M-140, USE #10 OR #12 WIRE TO A #10 STUD
E3	For 747 Only	YAV14H NO.10 STUD
E4	Terminal, Aluminum wire	52835-1 or 277149-1
E5	Terminal	YAV25-2L38-NK
E6	Contact, Shielded socket	48-1227-02
E7	Terminal	YAV4C-2L38-NK
E8	Terminal, Aluminum wire	52516

INTRODUCTION

TERM TYPE CODE	DESCRIPTION OF THE CODE	PART NUMBER
continued...		
F2	Terminal, Aluminum wire	52836 or 277155-1
F3	Terminal	MS20659-109
F4	Terminal, Aluminum wire	52835-2 or 277149-2
F6	Terminal, Aluminum wire	52834-2
F7	Terminal, Flag type	BACT12G62
F8	Terminal, Flag type	BACT12G23
G1	Terminal, High Temp	323749
G2	Terminal, High Temp	322341
G3	Terminal, High Temp	321893, 322337, 323749
G4	Terminal, Aluminum wire	52518-2 or 277149-3
G5	AMP #5/16 Ring Term	324112
G6	Terminal, Aluminum wire	277148-3
G7	Terminal, High Temp	321892, 322332
H0	Amp Copalum Terminal	277151-1
H1	Terminal, Aluminum wire	52520-4 or 277151-2
H2	Terminal, Aluminum wire	52519-2 or 277150-3
H3	Terminal, Aluminum wire	277153-1
H4	Terminal, Aluminum wire	52518-3
H5	Terminal	69B40570-2
H6	Terminal, Aluminum wire	52517-4 or 277148-4
H7	Terminal, Flag type	BACT12G44
H8	Terminal, Flag type	BACT12G102
J1	Contact, socket	BACC47EU3
J2	Contact, socket	BACC47EU4
L1	Terminal, High Temp	MS20659-102
L2	Terminal, High Temp	MS20659-104
L3	Terminal, High Temp	MS20659-105
N1	Terminal, High Temp	BACT12M8-2 NO. 10 Stud
N2	Terminal, High Temp	BACT12M6-1
O4	Contact	BACC47DJ3
S1	Contact, pin	CQMEM-501
S2	Contact, socket	CQMEF-501A
S3	Contact, pin	CQMEM-502
S4	Contact, socket	CQMEM-502A
S5	Contact, pin	CRMEM-501
S6	Contact, socket	CRMEF-502
S7	Contact, pin	CRMEM-502

INTRODUCTION

TERM TYPE CODE	DESCRIPTION OF THE CODE	PART NUMBER
continued...		
S8	Contact, socket	CRMEF-502
Z1	Terminal, Slide on	61048-1, .148 flat
Z2	Terminal, Slide on	60789-2, .058 round

E. Number + alphabetical letter

TERM TYPE CODE	DESCRIPTION OF THE CODE	PART NUMBER
1A	Contact, Socket	M39029/1-101
1B	Contact, Socket	M39029/1-100
1C	Contact, Socket	M39029/1-103
1D	Terminal Splice	M81714/11-20D
1F	Terminal Block Contact	M39029/58–360
1M	Socket	M39029/57–358
1N	Socket	M39029/57–359
2C	Contact, Terminal Block	Capacitor, BACC47DE
2D	Contact, Terminal Block	Diode, BACC47DE
2F	Contact, Terminal Block	Fuse, BACC47DE
2R	Contact, Terminal Block	Resistor, BACC47DE
4A	Contact Pin, Alumel	5000-070-116
4B	Contact Socket, Alumel	M39029/10-521
4C	Contact Pin, Chromel	5000-070-216
4D	Contact Socket, Chromel	M39029/10-522
4E	Contact Pin, Alumel	ZZL-4020-10R
4F	Contact Socket, Alumel	ZZL-4120-10R
4G	Contact Pin, Alumel	ZZL-4016-10R
4H	Contact Socket, Alumel	ZZL-4116-10R
4I	Contact Pin, Chromel	ZZL-4020-10P
4J	Contact Socket, Chromel	ZZL-4120-10P
4K	Contact Pin, Chromel	ZZL-4016-10P
4L	Contact Socket, Chromel	ZZL-4116-10P
4M	Contact Pin, Constantan	ZZL-4020-10N
4N	Contact Socket, Constantan	ZZL-4120-10N
4O	Contact Pin, Constantan	ZZL-4016-10N
4P	Contact Socket, Constantan	ZZL-4116-10N
4Q	Contact Socket, Alumel	10-40799-2S
4R	Contact Socket, Chromel	10-40799-1S
4U	Terminal, Chromel	1387-3 or 1-321897-0

INTRODUCTION

TERM TYPE CODE	DESCRIPTION OF THE CODE	PART NUMBER
continued...		
4V	Terminal, Alumel	1387-4 or 1-321898-0
4W	Contact Socket, Constantan	5100-108-416
4X	Contact Pin, Constantan	5000-070-416
4Y	Contact Socket, Chromel	5100-108-220
4Z	Contact Socket, Constantan	5100-108-420
5A	Contact, Coaxial	BACC47EN2
5B	Contact, Alumel	5000-042-116
5C	Contact, Chromel	5000-042-216
5G	Contact, Pin, Coaxial	CQMEM-316, CQ ( )
5H	Contact, Pin, Coaxial	CQMEM-502, CQ ( )
5M	Coax Contact, D-sub	CQMEM-200()
5N	Coax Socket, D-sub	CQMEF-200
5P	Coax Contact, Right Angle	CMX010-P502
5Q	Coax Contact, Right Angle	CMX010-S502
5R	Coax Socket	618 040
6P	Contact Pin, Alumel	016-0007-106
6Q	Contact Pin, Chromel	016-0007-107
7O	Terminal, Flag	BACT12G82
7S	Flat Lug, 1/4 Stud	BACT12G-42
7T	Contact Pin, Alumel	030-1878-007
7U	Contact Pin, Chromel	030-1878-006
7X	Contact Pin	48-100-4012P-02
7Y	Contact Socket	48-100-5007S-02

F. Numbers

TERM TYPE CODE	DESCRIPTION OF THE CODE	PART NUMBER
1	Contact	M39029/1-102
2	Cotact, Terminal block	BACC47DE ( )
3	SM0099 (1-9)	
4	Terminal, Right angle	1/4, BACT12E11
5	Terminal, Right angle	3/8, BACT12E2
6	Contact	BACC47CN2
7	Contact	BACC47CP2T
8	Splice, High temp	BACT12C (20), (15), (11)
9	Splice, Moisture proof	D-436-36, -37-38-40-41
61	Pin, Chromel	030-1900-000

TERM TYPE CODE	DESCRIPTION OF THE CODE	PART NUMBER
continued...		
62	Pin, Alumel	030-1975-009
63	Pin, Chromel	030-1975-101
65	Pin	330–5291–001

G. Symbols

TERM TYPE CODE	DESCRIPTION OF THE CODE	PART NUMBER
-	Lug & Stow	Terminal Size 4
*	Lug & Stow	Terminal Size 6
+	Lug & Stow	Terminal Size 8
=	Lug & Stow	Terminal Size 10
#	Lug & Stow	Contact BACC47DE( )
**	Lug & Stow	Contact BACC47EF1
%		Contact M39029/11-145
%A		Contact M39029/1-101
%B		Contact M39029/22-192
$	Solder Connection: all size lugs	
$D	Solder Connection: all size contacts	

4. WIRE SEPARATION CATEGORY CODES

The Wire Separation Category is a three character code. Each character position is defined as follows:

- Functional Separation
- EMC Separation
- Sub-function Separation

Functional Separation Values	EMC Separation Values	Sub-Functional Separation Values
L–Left Bus Powered Circuits	1–Source of Interference Circuits	A–Group‘‘A’’(Separate from Group‘‘B’’of same category)
R–Right Bus Powered Circuits	2–Passive Circuits	B–Group‘‘B’’(Separate from Group‘‘A’’of same category)
C–Center Bus Powered Circuits	3–Sensitive (EMI Susceptible) Circuits	Etc.–As many characters as necessary to separate (Do not use‘‘S’’or‘‘N’’to avoid confusion with Functional)
A–APU Control and APU Generator Control and Protection	* - Special Condition	* - Special Condition
H–Hydraulic Motor Generator (HMG) Powered Circuits, Control, and Protection		

INTRODUCTION

Functional Separation Values	EMC Separation Values	Sub-Functional Separation Values
continued...		
S–Standby Circuits–Circuits Powered by the Main/APU Battery System (Hot Battery Bus, Battery Bus, and AC Standby Bus) and control		
F–Circuits associated with Fuel Quantity Indication System		
N–Neutral Circuits		
1–Circuits Powered by Bus No. 1		
2–Circuits Powered by Bus No. 2		
3–Circuits Powered by Bus No. 3		
4–Circuits Powered by Bus No. 4		

INTRODUCTION

1. METHODS USED TO FIND INFORMATION

A. How To Locate A Diagram From A Wire Found In The Airplane

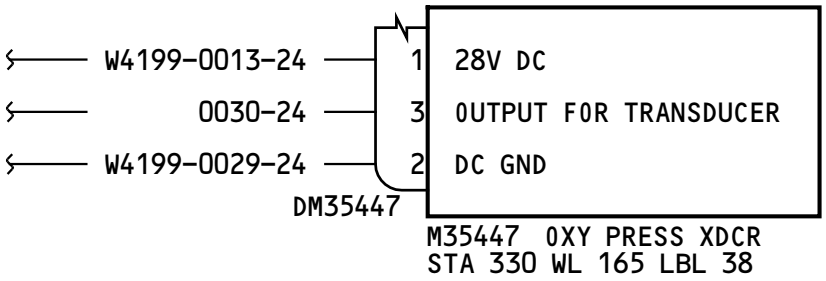
(a) As an example, take wire number W4199-0013-24.

(b) Knowing the wire bundle number W4199, refer to the Wire List in Chapter 91

(c) Using Self Indexing wire list shown, locate wire bundle W4199.

(d) Locate wire number 0013-24 and on the same line under the "Diagram" heading locate the diagram number 35-11-11.

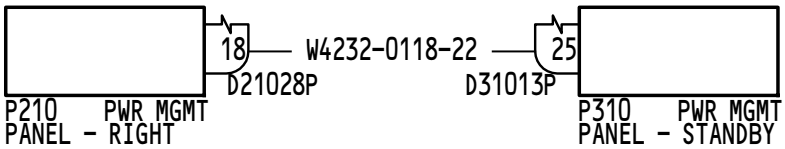
(e) Refer to Chapter 35 and locate the information needed on diagram 35-11-11.



B. How To Locate, In The Airplane, A Wire Found On A Wiring Diagram

(a) Wire number W4232-0118-22 appears on Wiring Diagram 28-21-11.

(b) Both ends of the wire are identified, disconnect D21028P at P210 panel and disconnect D31013P at P310 panel.



(c) Another method is to locate the bundle and wire number in the Wire List. The title of the bundle usually provides Station or Area for Airframe Bundles.

INTRODUCTION

C. How To Locate Spare Wires Within A Wire Bundle

(a) As an example, use wire bundle W487.

(b) Knowing the wire bundle, refer to the Wire List in Chapter 91.

(c) Using Self Indexing Wire List shown, locate wire bundle W487. In the "DIAGRAM' column you will find the wires that are spare wires are labeled "SPARE".

(d) On the same line as the wire number, both end terminations will be indicated for all spare wires. (Check applicable airplane effectivity under the effectivity column.) Ground, Terminal Strip, Splice, and Hook-Up Lists will also show spare wires.

(e) Spare wires are not shown on the wiring diagrams, only Airline Reserved Wires are shown, which are reserved for customer modifications.

(f) Wires that become spare through an engineering change are identified by "SPARE" and are not part of the Customer spares equipment. Their use should be on an individual airplane basis.

D. How To Locate Unused Pins In A Connector

(a) As an example use connector number DM31202A.

(b) Knowing the connector number, refer to the Hook-Up List located Chapter 91

(c) Using Self Indexing Hook-UP List shown, locate connector DM31202A.

(d) Pin numbers 4-9 in the example are unused pins.

E. How To Determine The Number Of Pins In A Connector

(a) To determine the number of pins in connector D01339J refer to the Equipment List.

(b) Using Self Indexing Equipment List shown, locate connector D01339J.

(c) To the right of D01339J the Part Number BACC45FN18-8P is shown. The number preceding "P" is 8 indicating there are a total of 8 pins in the connector.

(d) For example, the graphic in the preceding section 1.D, connector DM31202A has 12 pins 6 used and 6 unused. For Non BACC45 type connectors, the number of pins in a connector can be determined by referring to:

Vendor Catalog

The number of pins in a BACC45 and a Non BACC45 type connector can also be determined by referring to the Hook-Up List.

F. Electrical Wiring Assembly and Installation Process How To Identify Lower Case Lettered Pins

Lower case lettered pins in disconnects are identified as A-.

INTRODUCTION

G. How To Locate And Identify All Terminating Wires To A Terminal Strip

For a terminal module, the designator that represents all of the contact cavities in specific bus is the contact cavity with the lowest alphanumeric value. For example, if the bus indicator of the terminal module groups contact cavities A, B, and C, the item designator A is used to identify all three contact cavities.

(a) As an example use Terminal Strip TB4301, and wires W5103-0002-*1 and W8100-0023-*1.

(b) Knowing the terminal strip number TB4301, refer to Terminal Strip List in Chapter 91.

(c) Using Self Indexing Terminal Strip List shown, locate terminal TB4301 at STA, WL, BL.

(d) Locate the Wires terminating at Pins 2 as W5103-0002-*1 and W8100-0023-*1 and they are shown to be on diagram 24-21-11.

(e) Refer to the Equipment List for complete information regarding TB4301.

H. How To Find The Remaining Wires Passing Through A Connector That Are Not Shown On The Particular Diagram Being Used.

(a) As an example use connector DM31202A.

(b) Note the connector equipment number and find that equipment number in the Hook-Up Charts as shown.

(c) All wires in the connector are listed. The diagram for each wire is also shown.

I. How To Determine Splice Numbers Of Splices Found On The Airplane.

(a) Determine the wire number of any wire terminating at the splice in question. As an example use wire number W0022-A-A.

(b) Knowing the wire number, refer to the Wire List in Chapter 91-21-11.

(c) Using the Self Indexing Wire List shown below, locate wire number W0022-A-A. Under the "EQUIP" column note the splice number SP00211.

(d) The wiring diagram the splice is depicted on is listed under the "DIAGRAM" column. Refer to the Charts & Lists Section for more information.

J. How To Locate A Splice On The Airplane Which Is Shown On A Wiring Diagram

(a) There are several types of splices shown on wiring diagrams.

"SP" and "SPZ" splices connect wire from different wire bundles.
"SM" and "SMZ" splices connect wires of the same wire bundle.
"SPZ" and "SPZ" reflect customer assigned splice numbers.

(b) "SP" and "SPZ" splice location information is derived from the Splice List in Chapter 91. For example, use "SP25005" and locate it in the self indexing Splice List shown.

1) Read the station – "STA", water line – "WL", and buttock line – "LBL" or "RBL".

2) SP25005 is located at STA 1450, WL 300 and RBL 030. If more than one splice is at that location compare the airplane wire numbers to those listed in the Splice List to assure the correct splice has been found.

(c) "SM" and "SMZ" splice location information is determined by noting the wire number of a wire terminating at the splice in question.

1) Knowing the wire number W1071-2027R-22 locate it in the self indexing wire list shown.

2) The end points of W1071-2027R-22 are listed under the "EQUIP" column as SM00006 and DS31105. The length of the wire is given under "FT/IN" column.

3) Locate DS31105 in the Equipment List shown. Note the location of the equipment under "STATION-WL-BL" column. In this example the equipment is located in the P007 panel.

4) If the location of the P007 panel is not known refer to the Equipment List. Locate P007 in the Equipment List example shown.

5) Knowing P007 is at STA 0174, WL 250, LBL 000 go to the aircraft and locate it.

6) Locate DS31105 inside the P007 panel. Refer to the wire list example below and note the wire length between SM00006 and DS31105 is 2 ft. The wire length given in the wire list is the finished wire length when feet and inches are listed. If only feet are listed then the finished length can be +/- 18 inches.

7) Locate wire W1071-2027R-22 at DS31105 and trace it 2 ft +/- 6 inches and locate SM00006. Verify the wire leading away from splice is W1071-2027R-22.

K. How To Determine Part Numbers For Equipment Depicted On A Wiring Diagram

Electrical and electronic equipment shown on wiring diagrams are assigned alphanumeric designators. These designators are used as cross reference symbols to the Equipment List where the part numbers and part descriptions are shown. Splices, grounds, wire bundles and vendor controlled equipment numbers are not included in the Equipment List.

(a) Part Numbers For Special Contacts Used On Connectors

Special contacts for connectors are identified by a code in the Term Type (TT) column of the wire list. These codes and contact part number for each are listed in the Codes section.

(b) Part Numbers For Standard Contacts Used On Connectors

Standard contacts for connectors are not assigned term type codes. Part numbers are determined by locating the connector equipment number (i.e. D02516) in the Equipment List and its part number (i.e. BACS16W1). The connector part number and assembly are located in the Chapter 20 Standard Wiring Practices Manual, D6-54446. The contact number can then be determined by reviewing the connector assembly section.

(c) Part Numbers For Terminals

Part numbers for terminals depicted on wiring diagrams can be found in Chapter 20 Standard Wiring Practices Manual, D6-54446. The part numbers are based on the gage and type of wire.

INTRODUCTION

(d) Part Numbers For Contacts Used On Terminal Blocks

The terminal block module part number must be determined by locating it in the Equipment List. Once this is known, refer to the Cross Reference Index in Chapter 20 to locate the contact part number and installation information.

L. How To Determine The Location Of Equipment Listed In The Equipment List

Each equipment location is defined by the following three dimensional coordinate system: Station Line, Water Line and Buttock Line.

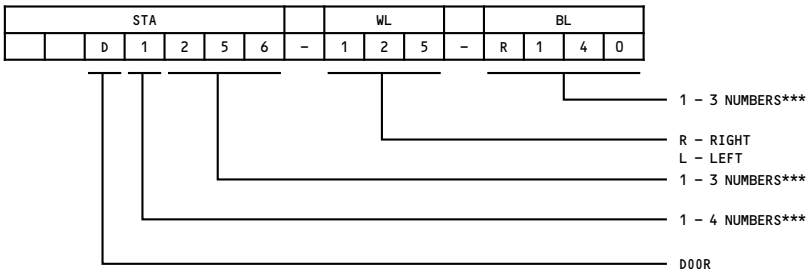
The airplane is divided into six different areas, each with its unique set of coordinates: (1) Body, (2) Wing, (3) Wing Tip, (4) Stabilizer, (5) Fin and (6) Nacelle.

The coordinate interrelations are defined in Chapter 91.

(a) The format of characters as indicated below represent the possible alpha-numeric combinations which define the different area coordinates.

1) Door Location

DOOR LOCATION

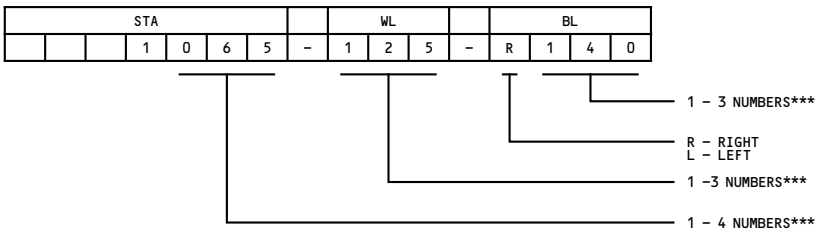


***INCLUDE LEADING ZEROS

INTRODUCTION

2) Body Location

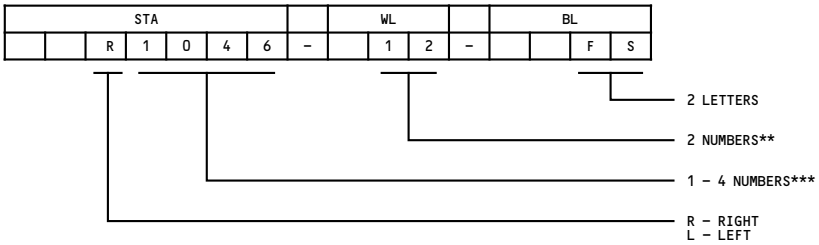
BODY LOCATION



***INCLUDE LEADING ZEROS

3) Wing Location

WING LOCATION



**12 IF ABOVE WING CORD PLANE
14 IF BELOW WING CORD PLANE
***INCLUDE LEADING ZEROS

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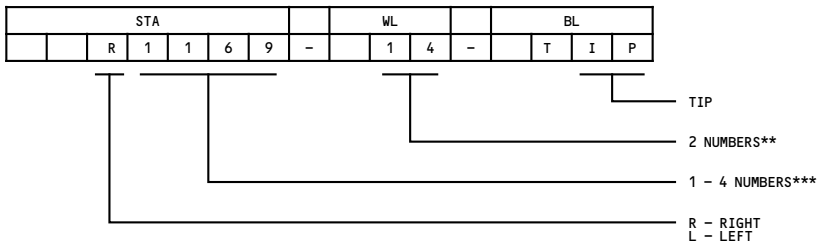
4) Wing Tip Location

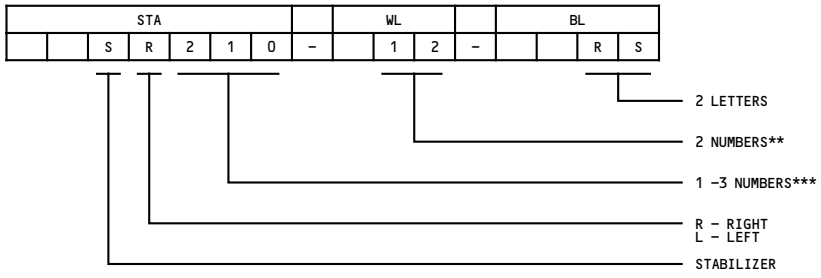
WING TIP LOCATION



**12 IF ABOVE WING CORD PLANE
14 IF BELOW WING CORD PLANE
***INCLUDE LEADING ZEROS

5) Stabilizer Location

STABILIZER

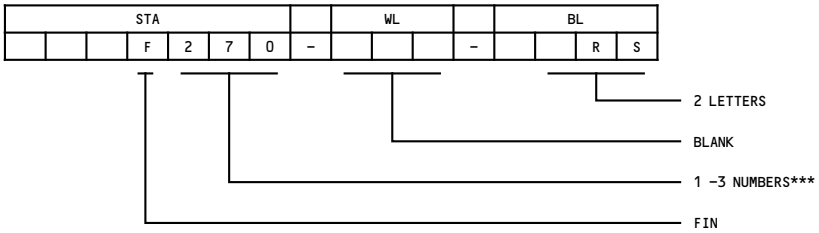


** 12 IF ABOVE WING CORD PLANE
14 IF BELOW WING CORD PLANE
***INCLUDE LEADING ZEROS

INTRODUCTION

6) Fin Location

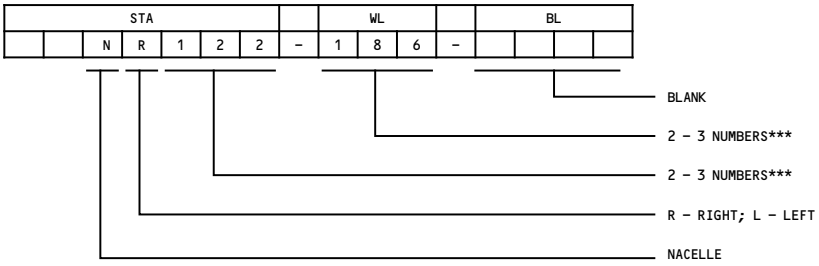
FIN LOCATION



***INCLUDE LEADING ZEROS

7) Nacelle Location

NACELLE LOCATION**



**NACELLE LOCATIONS INCLUDE BOTH ENGINE AND STRUT LOCATIONS

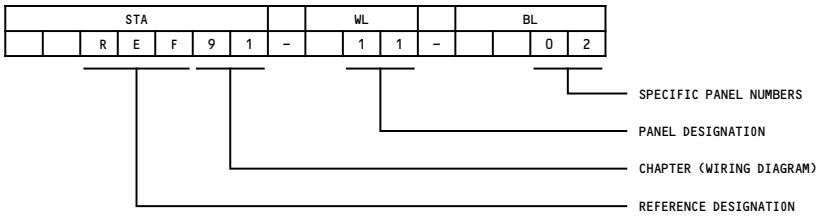
***INCLUDE LEADING ZEROS

INTRODUCTION

(b) In addition to the aforementioned location definitions, the following special location definitions are necessary:

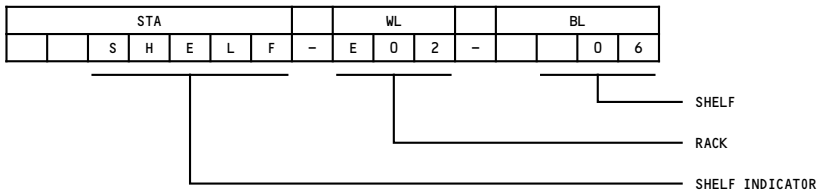
1) Chapter 91 Cross Reference For Circuit Breaker

CHAPTER 91 CROSS REFERENCE FOR CIRCUIT BREAKER



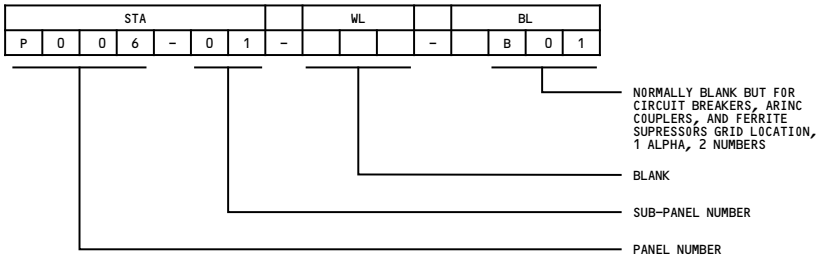
2) Shelves -E1, E2, E3, etc.

SHELVES - E1,E2,E3,ETC.



3) Panels -P1, P2, P3, etc.

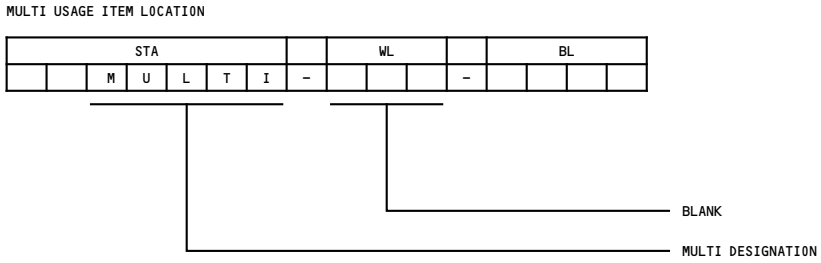
PANEL - P1,P2,P3,ETC.



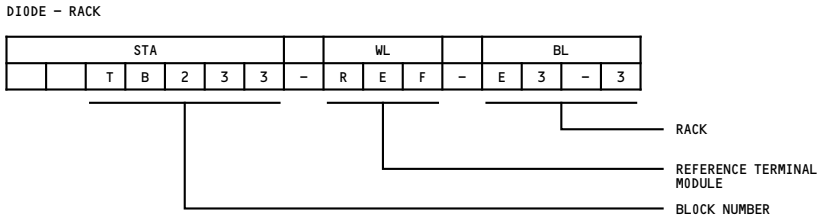
INTRODUCTION

4) Multiple Location For Identical Units

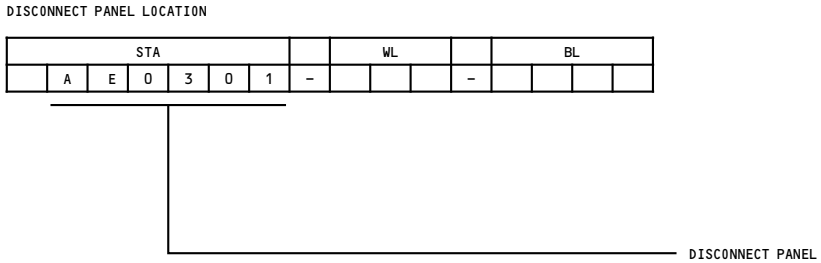
Nomenclature Of Item Denotes Location Usage



5) Diode-Rack



6) Disconnect Panel Location



INTRODUCTION

7) The following areas and their codes give forward and aft positioning on wings, stabilizers, and fins.

IDENTIFIED AREA	CODE
Leading Edge	LE
Front Spar	FS
Mid Spar	MS
Rear Spar	RS
Trailing Edge	TE
Extended Trailing Edge	ET
Plus	P
Minus	M

P or M define position, above or below respectively, of the wing or stabilizer chord plane.

2. METHODS USED TO ORDER A WIRE BUNDLE

A. How to Determine Wire Bundle (Harness) Information for Ordering a Wire Bundle

The Wire Bundle part numbers have been added to the Wire List for use when ordering a Wire Bundle form Boeing.

(a) Find the Wire Bundle (ie. W0041) of interest in the Wire List.

Find the Part Number of the Wire Bundle, the second entry of the header row of each Wire Bundle.

(b) Verify the Wire Bundle is applicable to the airplane of interest (Effectivity)

(c) Provide Boeing the Wire Bundle Part Number and the airplane's Boeing Variable Number when ordering.

INTRODUCTION

Chapter 20 consists of standard practices used to remove, repair and/or install wiring and equipment associated with wiring and its termination.

(This information is covered in D6-54446, the CHAPTER 20 STANDARD WIRING PRACTICES MANUAL.)