



767-200/300

SYSTEM SCHEMATIC MANUAL SCANDINAVIAN AIRLINES SYSTEM

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9E991

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DOCUMENT D280T232

Original Issue Date: Mar 18/1997
Published by Boeing Commercial Airplanes Group, Seattle, Washington, USA
A Division of The Boeing Company
PAGE DATE: Aug 05/2009



767-200/300 SYSTEM SCHEMATIC MANUAL

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
767-383ER	HXL	163	VN164	24847	315	PH-AHX
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

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767-200/300 SYSTEM SCHEMATIC MANUAL

SCANDINAVIAN AIRLINES SYSTEM
Revision No. 35

Aug 05/2009

To: All holders of this Boeing Document D280T232

Attached is the current revision to the 767 System Schematic Manual (SSM).

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.

TRANSMITTAL LETTER

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Location of Change

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Description of Change

25-0325 R02 Title updated
25-0325 R03 Title updated
25-0325 R04 Title updated
25-0325 R07 Title updated
25-0325 R14 Title updated
25-0325 Title updated

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23	MAR 09/2006	COMMUNICATIONS
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25	JUN 28/2006	EQUIPMENT / FURNISHINGS
26	MAR 07/2008	FIRE PROTECTION
R 27	AUG 05/2009	FLIGHT CONTROLS
R 28	AUG 05/2009	FUEL
29	FEB 06/2009	HYDRAULIC POWER
R 30	AUG 05/2009	ICE AND RAIN PROTECTION
31	MAR 14/2007	INDICATING / RECORDING SYSTEMS
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34	FEB 06/2009	NAVIGATION
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0	Basic	Mar 18/1997	VF071-VF072, VN151-VN158, VN163-VN168, VN221-VN225, VN672
1		Jun 17/1997	
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REVISION RECORD



767-200/300 SYSTEM SCHEMATIC MANUAL

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Number	Incorporated	Started/ Completed	Effectivity	ATA	Subject
21-0076 R01	Sep 04/2008	S	050 150-154 275-276	21-50-01 21-50-02 21-50-03	AIR CONDITIONING - COOLING - EICAS - MESSAGE DELETION
21-0078	Mar 18/1997	C	150-154 275-276	21-28-01	AIR CONDITIONING - HEATING - FORWARD CARGO COMPARTMENT HEATING SYSTEM WIRING REVISION
21-0085	Mar 18/1997	C	150-152	21-60-06 21-60-07	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	21-26-04 21-43-01	AIR CONDITIONING - VENTILATION - FORWARD CARGO COMPARTMENT - WIRING MODIFICATION
21-0105 R01	Mar 18/1997	C	162-164	21-50-02	AIR CONDITIONING - VENTILATION - AFT EQUIPMENT/LAVATORY/GALLEY VENTILATION FAN WIRING CHANGE
21-0106 R01	Mar 18/1997	C	153-154	21-50-02	AIR CONDITIONING - COOLING - EQUIPMENT COOLING CONTROL CIRCUIT CHANGE
21-0111 R01	Sep 17/1997	C	050-051 150-157 162-167 275-277	21-45-00 21-45-02 21-45-05	AIR CONDITIONING - HEATING - AFT DOOR SUPPLEMENTAL HEATER ADDITION
21-0139 R01	Jun 05/2003	C	275-278 280	21-45-02 24-51-02	AIR CONDITIONING - HEATING - RIGHT FORWARD DOOR SUPPLEMENTAL HEATER REVISION
21A0098 R01	Mar 18/1997	C	051	21-44-01 21-44-03	AIR CONDITIONING - PRESSURIZATION CONTROL - BULK CARGO VENTILATION FLAPPER VALVE - DELETION
21A0098 R01	Jun 17/1997	C	150-154	21-44-01 21-44-03	AIR CONDITIONING - PRESSURIZATION CONTROL - BULK CARGO VENTILATION FLAPPER VALVE - DELETION

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22-0046	Mar 18/1997	S	050-051 150-156 162-166	22-10-02	AUTOFLIGHT - AUTOPILOT (FLIGHT CONTROL) - FLIGHT CONTROL COMPUTER WIRE CHANGE
22-0062	Mar 18/1997	S	050 150-157 162-167	22-21-00 22-21-01 22-21-02 34-61-04	AUTOFLIGHT - YAW DAMPER MODULE REPLACEMENT AND WIRING MODIFICATION
22-0062	Oct 23/2001	S	051	22-21-00 22-21-01 22-21-02 34-61-04	AUTOFLIGHT - YAW DAMPER MODULE REPLACEMENT AND WIRING MODIFICATION
22-0062	Jun 17/1997	C	275-278 280	22-21-00 22-21-01 22-21-02 34-61-04	AUTOFLIGHT - YAW DAMPER MODULE REPLACEMENT AND WIRING MODIFICATION
23-0032 R01	Mar 18/1997	C	150	23-51-01	COMMUNICATIONS - AUDIO - INTEGRATING - AUDIO SELECTOR PANEL REPLACEMENT
23-0032 R01	Dec 18/1997	C	151-152	23-51-01	COMMUNICATIONS - AUDIO - INTEGRATING - AUDIO SELECTOR PANEL REPLACEMENT
23-0041	Mar 18/1997	C	275-276	23-31-01	COMMUNICATIONS - AUDIO INTEGRATING - E2-5 SHELF DIODE REMOVAL
24-0059	Mar 18/1997	C	050-051 150-154 275-276	24-11-01 76-11-01	ELECTRICAL POWER - GENERATOR DRIVE - INTEGRATED DRIVE GENERATOR (IDG) - DISCONNECT MODIFICATION
24-0064	Mar 18/1997	C	150-154 275-276	24-31-01 24-51-03	ELECTRICAL POWER - ELECTRICAL LOAD DISTRIBUTION - CENTER BUS ISOLATION WIRE CHANGE

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24-0069 R03	Mar 18/1997	C	050-051 150-155 162-165 275-276	24-51-01 34-53-01	ELECTRICAL POWER - AC GENERATION - HYDRAULIC MOTOR GENERATOR (HMG) - POWER FOR LEFT AIR TRAFFIC CONTROL (ATC) TRANSPONDER - REVISION
24-0080 R01	Jun 06/2008	S	050-051 150-157 162-167 275-278 280	24-11-01	ELECTRICAL POWER - AC GENERATION - IDG LOW OIL LEVEL EICAS MESSAGE - WIRING INSTALLATION
24-0103	Jan 07/1999	C	050-051 150-157 162-167	24-20-03	ELECTRICAL POWER - AC GENERATION - P61 PANEL APU GENERATOR CONTROL AND ANNUNCIATION MODIFICATION
24-0103	Sep 17/1997	S	275-278	24-20-03	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	24-11-01	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	24-11-01	ELECTRICAL POWER - GENERATOR DRIVE - INTERGRATED DRIVE GENERATOR (IDG) AIR/OIL COOLER VALVE POSITION INDICATOR ELECTRICAL POWER CHANGE
25-0113 R04	Mar 18/1997	C	150-154 275	21-45-00 21-45-02 21-45-03 24-51-01 32-09-02	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	25-33-01	EQUIPMENT/FURNISHINGS - BUFFET/GALLEY - REFRIGERATION - GALLEY CHILLER LATCH RELAY WIRE DELETION

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25-0180 R05	Jun 05/2003	C	277	25-33-01	EQUIPMENT/FURNISHINGS - BUFFET/GALLEY - REFRIGERATION - GALLEY CHILLER LATCH RELAY WIRE DELETION
R 25-0325	Jan 21/2005	S	050-051	33-10-00 33-13-01 33-16-01 52-51-01	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	33-10-00 33-13-01 33-16-01 52-51-01	EQUIPMENT AND FURNISHINGS - FLIGHT COMPARTMENT DOOR - FLIGHT COMPARTMENT DOOR REPLACEMENT
R 25-0325 R02	Jun 05/2003	S	163-165	33-10-00 52-51-01	EQUIPMENT AND FURNISHINGS - FLIGHT COMPARTMENT DOOR - FLIGHT COMPARTMENT DOOR REPLACEMENT
R 25-0325 R03	Jun 05/2003	S	162	33-10-00 33-13-01 33-16-01 52-51-01	EQUIPMENT AND FURNISHINGS - FLIGHT COMPARTMENT DOOR - FLIGHT COMPARTMENT DOOR REPLACEMENT
R 25-0325 R04	Jun 05/2003	S	167	33-10-00 33-13-01 33-16-01 52-51-01	EQUIPMENT AND FURNISHINGS - FLIGHT COMPARTMENT DOOR - FLIGHT COMPARTMENT DOOR REPLACEMENT
R 25-0325 R07	Jun 05/2003	S	156	33-10-00 33-13-01 33-16-01 52-51-01	EQUIPMENT AND FURNISHINGS - FLIGHT COMPARTMENT DOOR - FLIGHT COMPARTMENT DOOR REPLACEMENT

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25-0332	Jun 28/2006	C	150 153	33-10-00 33-13-01 33-16-01 52-51-01	EQUIPMENT AND FURNISHING - FLIGHT COMPARTMENT DOOR - FLIGHT COMPARTMENT DOOR REPLACEMENT
25-0332	Jun 05/2003	S	151-152 275	33-10-00 33-13-01 33-16-01 52-51-01	EQUIPMENT AND FURNISHING - FLIGHT COMPARTMENT DOOR - FLIGHT COMPARTMENT DOOR REPLACEMENT
25-0332	Jan 21/2005	X	163-165		EQUIPMENT AND FURNISHING - FLIGHT COMPARTMENT DOOR - FLIGHT COMPARTMENT DOOR REPLACEMENT
25-0332 R02	Jun 05/2003	S	154	33-10-00 33-13-01 33-16-01 52-51-01	EQUIPMENT AND FURNISHINGS - FLIGHT COMPARTMENT DOOR - FLIGHT COMPARTMENT DOOR REPLACEMENT
25-0332 R09	Mar 14/2007	S	150 275	33-45-01	EQUIPMENT AND FURNISHINGS- FLIGHT COMPARTMENT DOOR - FLIGHT COMPARTMENT DOOR REPLACEMENT
25A0285 R03	Jun 06/2008	S	280	21-45-03	EQUIPMENT/FURNISHINGS - EMERGENCY - OFF- WING ESCAPE SYSTEM - TYPE III ESCAPE HATCH HEATER BLANKET AND INSULATION CHANGE
26-0047	Mar 18/1997	C	150-154	26-21-01 26-23-01	FIRE PROTECTION - EXTINGUISHING - ENGINE EXTINGUISHING AND CARGO COMPARTMENT EXTINGUISHING - WIRE AND PLUMBING MODS FOR -300 AIRPLANES WITH 120 MINUTE SYSTEM

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26-0066	Mar 18/1997	C	050-051 150-155 162-165 275-276	26-22-01	FIRE PROTECTION - APU FIRE DETECTION - APU REMOTE CONTROL PANEL LIGHT ASSEMBLY REPLACEMENT
26-0079	Mar 18/1997	S	050-051 150-157 162-167 275-278 280	26-18-01	FIRE PROTECTION - DETECTION - DUCT LEAK DETECTION SYSTEMS - STRUT OVERHEAD TEST - WIRE CHANGE
26A0074	Mar 18/1997	C	162-164	25-33-01	FIRE PROTECTION - EXTINGUISHING CARGO COMPARTMENT FIRE EXTINGUISHING ARMED SWITCHES WIRING MODIFICATION
27-0102 NSC03	Apr 26/2002	S	050-051 150-157 162-166	27-40-01	FLIGHT CONTROLS - HORIZONTAL STABILIZER - STABILIZER TRIM CUTOFF SWITCH ADDITION
27-0108 R02	Mar 18/1997	C	050-051 150-157 162-166 275-277	27-50-01 27-51-02 27-81-02 27-88-01	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	27-50-01 27-51-02 27-51-04	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	27-51-04 27-81-03	FLIGHT CONTROLS - TRAILING EDGE FLAP AND LEADING EDGE SLAT SYSTEMS - BYPASS VALVE CONTROL WIRING REVISION
27-0140	Oct 08/1999	S	050	27-32-01 27-32-02 27-89-01 27-89-11	FLIGHT CONTROLS - LEADING EDGE SLAT SYSTEM - SLAT SKEW DETECTION SYSTEM INSTALLATION
27-0140	Jan 28/2002	S	051	27-32-01 27-32-02 27-89-01 27-89-11	FLIGHT CONTROLS - LEADING EDGE SLAT SYSTEM - SLAT SKEW DETECTION SYSTEM INSTALLATION

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27-0140	Apr 07/1999	S	151	27-32-01 27-32-02 27-89-01 27-89-11	FLIGHT CONTROLS - LEADING EDGE SLAT SYSTEM - SLAT SKEW DETECTION SYSTEM INSTALLATION
27-0145	Jun 26/1998	S	050-051 150-157 162-167 275-278 280	27-09-06	FLIGHT CONTROLS - RUDDER - CHANGE THE RUDDER RATIO CHANGER HYDRAULIC PRESSURE SWITCH WIRING
27-0165	Jun 05/2003	C	150 152-157 162-167 275-278 280	27-32-01 27-32-02 27-89-11	FLIGHT CONTROLS - LEADING EDGE SLAT SYSTEM - SLAT SKEW DETECTION SYSTEM DEACTIVATION
27A0140 R01	Apr 07/1999	C	150 152-157 162-167 275-278 280	27-32-01 27-32-02 27-89-11	FLIGHT CONTROLS - LEADING EDGE SLAT SYSTEM - SLAT SKEW DETECTION SYSTEM INSTALLATION
27A0140 R02	Apr 22/2004	C	150 152-157 162-167	27-89-01 27-89-11 31-51-04	FLIGHT CONTROLS - LEADING EDGE SLAT SYSTEM - SLAT SKEW DETECTION SYSTEM INSTALLATION
27A0140 R02	Dec 20/2000	S	151	27-89-01 27-89-11 31-51-04	FLIGHT CONTROLS - LEADING EDGE SLAT SYSTEM - SLAT SKEW DETECTION SYSTEM INSTALLATION
27A0160	Apr 26/2002	C	050 150 152-157 162-167 275-278 280	27-62-01 30-34-01 30-81-01 32-09-02	FLIGHT CONTROLS - SPOILERS AND DRAG DEVICES - AUTO SPEEDBRAKE CONTROL SYSTEM - INSTALLATION OF THE MAIN LANDING GEAR TRUCK TILT SENSOR AND WIRING

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27A0160 R01	Mar 09/2006	C	050-051 150-157 162-167 275-278 280	27-62-01 30-31-01 30-34-01 30-81-01 32-09-02	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	34-61-01 34-61-03	FUEL - FUEL JETTISON SYSTEM - ACTIVATE LOW FLOW SYSTEM
28-0031	Apr 07/1999	S	050-051 150-156 162-166 275-276	28-21-01	FUEL - DISTRIBUTION - FUELING CONTROL PANEL LIGHT CIRCUIT BREAKER INSTALLATION
28-0034 R02	Mar 18/1997	S	050-051 150-157 162-167 275-278 280	24-54-03 28-00-00 28-22-01 28-25-01	FUEL - DISTRIBUTION - DUAL CROSSFEED VALVE INSTALLATION
28-0038 R02	Sep 17/1997	S	155-157 165-167 277-278 280	28-31-01 28-31-02	FUEL - DUMP - FUEL JETTISON SYSTEM ACTIVATION
28-0066 R01	Mar 14/2007	S	155 163 275-278 280	28-22-01	FUEL - DISTRIBUTION - FUEL SPAR SHUTOFF VALVE WIRING REVISION
28A0083 R01	Feb 06/2009	S	050-051 150-157 162-167 275-278 280	28-22-01	FUEL SYSTEM - ENGINE FUEL FEED SYSTEM - FUEL PUMP INLET PROTECTION - AUXILIARY FUEL TANK PUMP AUTOMATIC SHUT OFF INSTALLATION

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30-0017	Mar 18/1997	S	150-154	24-51-01 24-51-02 30-11-01 30-21-01 30-81-01 32-09-02 32-09-03 33-13-01 33-16-01 73-21-01 73-21-02 73-21-03 73-21-04	ICE AND RAIN PROTECTION - AIRFOIL - WING THERMAL ANTI-ICING - INSTALL AUTOMATIC ACTIVATION OF WING AND ENGINE ANTI-ICING SYSTEMS
30-0024	Jun 17/1997	S	050-051	30-71-02	ICE AND RAIN PROTECTION - WATER LINES - RIBBON HEATER AND THERMOSTAT INSTALLATION
30-0024	Mar 18/1997	S	150-157 162-167 275-278 280	30-71-02	ICE AND RAIN PROTECTION - WATER LINES - RIBBON HEATER AND THERMOSTAT INSTALLATION
30-0028	Apr 07/1999	C	050-051 150-157 162-167	30-43-01	ICE AND RAIN PROTECTION - WINDOWS, WINDSHIELD AND DOORS - WINDSHIELD RAIN REPELLENT SYSTEM - RAIN REPELLENT SYSTEM TEMPORARY DEACTIVATION
31-0031	Mar 18/1997	C	150-154	23-22-01 31-35-00 34-61-01 34-61-02 34-61-03 34-61-04	INDICATING/RECORDING - INDEPENDENT INSTRUMENTS - AIRBORNE DATA LOADER/ RECORDER INSTALLATION
31-0040 R01	Mar 18/1997	C	275-276	31-31-01	INDICATING/RECORDING - CONTROL WHEEL - POSITION TRANSMITTER - ACTIVATION

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31-0100 R02	Dec 20/2000	C	150 152-157 162-167	31-41-01 31-41-04 31-41-05	INDICATING/RECORDING SYSTEMS - CENTRAL COMPUTERS - ENGINE INDICATING AND CREW ALERTING SYSTEM - EICAS COMPUTER AND WIRE CHANGE PRATT AND WHITNEY 4000 ENGINES
31-0208	Apr 22/2004	S	153	28-41-01 34-61-01 34-61-03	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	28-41-01 34-61-01 34-61-03	FUEL QUANTITY INDICATION SYSTEM(FQIS), EICAS, FMCS - METRIC UNITS IN LIEU OF ENGLISH
32-0085	Mar 18/1997	C	275-276	31-41-07 31-41-08 32-45-01	LANDING GEAR - TIRE PRESSURE INDICATION SYSTEM INSTALLATION
32-0214	Mar 14/2007	S	157 162	32-45-01	DEACTIVATE TIRE PRESSURE MONITORING SYSTEM (TPIS)-RETROFIT DATA KIT
33-0037	Jun 17/1997	C	150	33-26-01	LIGHTS - LAVATORY LIGHTS - P19 LIGHTING PANEL WIRE MODIFICATION
33-0054	Mar 18/1997	C	275-277 280	33-21-01	LIGHTS - PASSENGER COMPARTMENT LIGHTS - PASSENGER COMPARTMENT ILLUMINATION - FORWARD INDIRECT CEILING LIGHT CHANGES
34-0082	Mar 18/1997	C	150-154	24-51-02 24-54-01 34-53-01 34-53-02 34-53-03	NAVIGATION - DEPENDENT POSITION DETERMINING - ATC MODE S SYSTEM INSTALLATION
34-0086	Mar 18/1997	C	150-152	34-24-01	NAVIGATION - ATTITUDE AND DIRECTION - STANDBY ATTITUDE INDICATOR - BACKCOURSE MODE REMOVAL

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34-0091 R01	Mar 18/1997	C	150-152 275-276	23-12-02 24-51-01 27-61-01 32-09-02 32-42-01 32-61-01 34-21-01 34-33-01 34-33-02 34-45-01 34-53-01 34-53-02 34-55-01 34-55-02	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	34-21-01 34-21-02 34-21-03	NAVIGATION - ATTITUDE AND DIRECTION - INERTIAL REFERENCE UNIT REPLACEMENT
34-0131	Mar 18/1997	C	277-278 280	23-11-01 23-12-01 23-12-02 23-12-03 31-51-05 34-60-01 34-60-02 34-61-01 34-61-02 34-61-03 34-61-04	NAVIGATION - POSITION COMPUTING - FLIGHT MANAGEMENT COMPUTER SYSTEM - SOFTWARE AND WIRE CHANGES
34-0133	Mar 18/1997	S	153-154	23-12-02 31-51-05 32-61-01 34-33-01 34-33-02	NAVIGATION - INDEPENDENT POSITION DETERMINING - TRAFFIC ALERT AND COLLISION AVOIDNACE SYSTEM II (TCAS) - PROVISIONS UPGRADE

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34-0137	Mar 18/1997	C	275-276	34-60-01 34-60-02 34-61-01 34-61-03	NAVIGATION - POSITION COMPUTING - FLIGHT MANAGEMENT COMPUTER SYSTEM - PRODUCT IMPROVEMENT PACKAGE (PIP)
34-0167	Mar 18/1997	C	275-276	34-22-02 34-55-01 34-55-02 34-61-02 34-61-04	NAVIGATION - DEPENDENT POSITION DETERMINING - FMCS PRODUCT IMPROVEMENT PACKAGE (PIP) - DME SYSTEM ACTIVATION
34-0168	Mar 18/1997	C	275-276	34-22-02 34-22-06 34-61-01 34-61-03 34-61-04	NAVIGATION - POSITION COMPUTING - FLIGHT MANAGEMENT COMPUTER SYSTEM - PRODUCT IMPROVEMENT PACKAGE (PIP) - DUAL INDEPENDENT MAP DISPLAY ACTIVATION
34-0202	Mar 18/1997	S	275-278 280	34-21-01 34-21-02 34-21-03	NAVIGATION - ATTITUDE AND DIRECTION - INERTIAL REFERENCE SYSTEM - UPDATED MAGNETIC VARIATION TABLE ACTIVATION
34-0206 R01	Mar 18/1997	C	150-157 162-167	34-21-01 34-21-02 34-21-03	NAVIGATION - ATTITUDE AND DIRECTION - INERTIAL REFERENCE SYSTEM - UPDATED AND EXTENDED MAGNETIC VARIATION TABLE ACTIVATION
34-0241	Dec 18/1997	C	275-278 280	34-61-01 34-61-02 34-61-03 34-61-04	FMC/ACARS INTERFACE (PIP)
34-0243	Mar 18/1997	S	150 153-157 162-167	34-61-01 34-61-03	FMC EXTENDED MAGVAR TABLES
34-0243	Dec 18/1997	S	151-152	34-61-01 34-61-03	FMC EXTENDED MAGVAR TABLES

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34-0253 R01	Oct 23/2001	C	050 150 152-157 162-167	27-32-01 27-32-02 34-61-04	NAVIGATION - FLIGHT MANAGEMENT COMPUTING - FLIGHT MANAGEMENT SYSTEM - FMC INPUT TO STALL WARNING CARD
34-0544	Mar 14/2007	S	157	34-61-01 34-61-03	NAVIGATION - FLIGHT MANAGEMENT COMPUTER SYSTEM - REPLACEMENT OF THE NON-PRODUCT IMPROVEMENT PACKAGE FLIGHT MANAGEMENT COMPUTERS WITH PEGASUS FLIGHT MANAGEMENT COMPUTERS
36-0026	Jan 07/1999	C	050-051 150-156 162-166	24-54-01 24-54-02 36-11-05 36-11-06 36-11-07 36-11-08	PNEUMATIC - DISTRIBUTION - BLEED AIR SUPPLY LOGIC - CHANGE TO COWL THERMAL ANTI-ICE (TAI) OVERRIDE LOGIC
36-0027	Mar 18/1997	C	150-154 275	24-54-01 24-54-02 36-11-05 36-11-06 36-11-07 36-11-08	PNEUMATIC - DISTRIBUTION - BLEED AIR SYSTEM - BLEED CONTROLLERS WIRING MODIFICATION
36-0029 R05	Mar 18/1997	S	050-051 150-155 162-165 275-276	36-11-04 36-11-07 36-11-08 36-21-01 36-23-01	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	36-11-07	PNEUMATIC - AIR SUPPLY DISTRIBUTION SYSTEM - HIGH PRESSURE SHUTOFF VALVE AND PRESSURE REGULATING VALVE - WIRE CHANGE (PW4000 ENGINES)

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38-0026	Mar 18/1997	C	050 150-154 275-276	38-30-01 38-30-02 38-30-03	WATER/WASTE - WASTE DISPOSAL - WASTE SERVICE PANEL SENSOR FOULED LIGHT ADDITION
38-0031	Mar 18/1997	C	150-154 275-276	38-30-01 38-30-02 38-30-03	WATER/WASTE - WASTE DISPOSAL - WASTE LEVEL MEASUREMENT SYSTEM MODIFICATION
38-0035	Mar 18/1997	C	275-276	24-51-06 38-30-01 38-30-02 38-30-03	WATER/WASTE - WASTE DISPOSAL - ROSEMOUNT CONTINUOUS WASTE LEVEL MEASUREMENT SYSTEM INSTALLATION
38-0038	Mar 18/1997	S	156 166	38-30-01 38-30-02 38-30-03	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	38-30-01 38-30-03	WATER/WASTE - TOILET SYSTEM - WASTE TANK LEVEL SENSORS - LEVEL TRANSFER RELAY MODIFICATION
71-0117	Aug 30/2004	S	166	22-30-02 31-41-01 34-61-01	PRATT & WHITNEY ENGINES - PW4060 TO PW4062 (INCREASE TAKEOFF THRUST RATING FROM 60,000 LBS TO 62,000 LBS.)
71-0118	May 20/2005	S	165	22-30-02 31-41-01 34-61-01	PRATT & WHITNEY ENGINES - PW4060 TO PW4062 (INCREASE THRUST RATING FROM 60,000 TO 62,000 LBS.)
71-0118	Aug 30/2004	S	167	22-30-02 31-41-01 34-61-01	PRATT & WHITNEY ENGINES - PW4060 TO PW4062 (INCREASE THRUST RATING FROM 60,000 TO 62,000 LBS.)
72-0037	Oct 08/1999	S	050	22-30-01 22-30-02 34-61-01	PRATT AND WHITNEY ENGINES - PW4056 TO PW4060 - (INCREASE TAKEOFF THRUST RATING FROM 56,750 TO 60,000 LBS THRUST)

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72-0037	Jan 06/2000	S	051	22-30-01 22-30-02 34-61-01	PRATT AND WHITNEY ENGINES - PW4056 TO PW4060 - (INCREASE TAKEOFF THRUST RATING FROM 56,750 TO 60,000 LBS THRUST)
72-0038	Jul 08/1999	S	050	73-21-01 73-21-03	PW4060 ENGINE MANUAL THRUST BUMP
72-0038	Jan 06/2000	S	051	73-21-01 73-21-03	PW4060 ENGINE MANUAL THRUST BUMP
73-0036	Mar 18/1997	C	050-051 150-154 275-276	77-00-01	ENGINE FUEL AND CONTROL - CONTROLLING STANDBY ENGINE INDICATOR (SEI) WIRE CONNECTION MODIFICATION
73-0036	Jun 17/1997	C	162-165	77-00-01	ENGINE FUEL AND CONTROL - CONTROLLING STANDBY ENGINE INDICATOR (SEI) WIRE CONNECTION MODIFICATION
73-0041	Jan 07/1999	C	050-051 150-157 162-167	73-21-02 73-21-04	ENGINE FUEL AND CONTROL (PW4000) - FUEL CONTROL SYSTEM - MINIMUM IDLE REACTIVATION
73-0041	Jun 26/1998	S	275-278 280	73-21-02 73-21-04	ENGINE FUEL AND CONTROL (PW4000) - FUEL CONTROL SYSTEM - MINIMUM IDLE REACTIVATION
73-0044 R01	Jan 07/1999	C	050-051 150-157 162-167	73-21-02 73-21-04 74-31-01 80-11-01	IGNITION (PW4000 ENGINES) - IGNITION GENERAL - ENGINE IGNITION CONTROL MINIMUM IDLE REVISION
73-0044 R01	Jul 23/2001	C	275-278 280	73-21-02 73-21-04 74-31-01 80-11-01	IGNITION (PW4000 ENGINES) - IGNITION GENERAL - ENGINE IGNITION CONTROL MINIMUM IDLE REVISION
73A0033	Sep 17/1997	C	051	73-21-02 73-21-04	ENGINE FUEL AND CONTROL (PW4000 ENGINES) - CONTROLLING - IDLE SYSTEM MODIFICATION

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73A0033	Jun 17/1997	C	150-154	73-21-02 73-21-04	ENGINE FUEL AND CONTROL (PW4000 ENGINES) - CONTROLLING - IDLE SYSTEM MODIFICATION
73A0033	Mar 18/1997	C	275-276	73-21-02 73-21-04	ENGINE FUEL AND CONTROL (PW4000 ENGINES) - CONTROLLING - IDLE SYSTEM MODIFICATION
76-0024	Mar 18/1997	C	050 150-154	76-11-01	ENGINE CONTROLS (PW4000 ENGINES) - POWER CONTROL - ENGINE CONTROL SYSTEM - FUEL CONDITION CONTROL MOTOR ACTUATOR REPLACEMENT
76-0026	Mar 18/1997	C	275-276	24-51-06 24-54-01 24-54-02 28-25-01 31-35-00 31-41-01 32-09-03 73-21-02 73-21-04 77-00-01	ENGINE CONTROLS (PW4000 ENGINES) - ENGINE CONTROL SYSTEM - ADDITION OF ENGINE DATA MULTIPLEXING POWER CONDITIONING
76-0030 R02	Mar 18/1997	C	150-154	24-51-06 24-54-01 24-54-02 28-25-01 73-21-02 73-21-04 77-00-01	ENGINE CONTROLS (PW4000 ENGINES) - ENGINE CONTROL SYSTEM - ADDITION OF ENGINE DATA MULTIPLEXING POWER CONDITIONING
77-0007	Mar 18/1997	S	150-154 275-276	77-35-01	ENGINE INDICATING (PW4000 ENGINES) - ANALYZERS - PROPULSION INTERFACE AND MONITOR UNIT (PIMU) REPLACEMENT
77-0013	Mar 18/1997	C	150-154	77-31-01	ENGINE INDICATING - ANALYZERS - AIRBORNE VIBRATION MONITORING (AVM) SYSTEM - SIGNAL CONDITIONERS REPLACEMENT

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77-0017	Feb 06/2009	S	050-051 150-155 162-165 275-276	77-00-01 77-00-02	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	24-54-03 32-09-01 32-09-02 32-09-03 32-61-01 78-34-01 78-34-02 78-36-01 78-36-02	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	24-54-03 24-54-04 32-09-02 32-09-03 78-30-01 78-34-01 78-34-02 78-36-01 78-36-02	EXHAUST (PW4000 ENGINES) - THRUST REVERSER - THRUST REVERSER HYDRAULIC ACTUATOR - SYNCHRONOUS LOCK INSTALLATION
SL-21-26	Mar 18/1997	C	275-276	21-44-03	DEACTIVATION OF BULK CARGO COMPARTMENT VENTILATION FLAPPER VALVE
SL-31-030-A	Mar 18/1997	S	050-051 150-157 162-167 275-278 280	28-40-01 31-41-04 31-41-05 31-41-07	PRODUCT IMPROVEMENTS TO THE ENGINE INDICATION AND CREW ALERTING SYSTEM (EICAS)

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EAD89-0704-00	Oct 23/2001	C	150 153 157 165-167	24-51-01 25-25-24	PRIMEX LAPTOP POWER SUPPLY (EMPOWER)
ECO EB34-0360-02	Mar 14/2007	C	275-278 280	22-10-01 34-21-01 34-21-02 34-53-01 34-53-02	ATC TRANSPONDER SYSTEM UPGRADE FOR ELEMENTARY SURVEILLANCE
EOC EB34-0359-02	Mar 14/2007	C	275-278 280	34-53-01 34-53-02 34-61-04	ATC TRANSPONDER SYSTEM UPGRADE FOR ELEMENTARY SURVEILLANCE
MTO-230596	Dec 20/2000	C	152-157 162-167	23-19-11 23-19-12	CLAIRCOM TELEPHONE SYSTEM
MTO-230589	Apr 07/1999	C	275-278 280	23-22-01 34-61-01 34-61-02 34-61-03 34-61-04 34-61-05	INSTALLATION OF ACARS
MTO-230607	Apr 04/2000	C	150 152-157 162-167	23-21-01 23-22-01 31-35-00 31-36-01 33-13-01	INSTALLTION OF ACARS
MTO-230695	Dec 20/2000	C	150	23-19-11 23-19-12 24-32-01 24-51-01	CLAIRCOM TELEPHONE SYSTEM

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MTO-230718	Jul 23/2001	C	150 152-157 162-167	23-32-01 23-32-02 24-51-02 24-54-02 33-24-01	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	23-12-01 23-12-02 23-12-03	COMMUNICATION - VHF COMMUNICATION 8.33 KHZ CHANNEL SPACING
MTO-340961	Apr 26/2002	C	150 152-157 162-167 275-278 280	24-54-01 33-13-01 34-22-06 34-22-07 34-43-01 34-45-01 34-46-01	ENHANCED GROUND PROXIMITY WARNING SYSTEM, EGPWS, INSTALLATION
MTO 210353	Sep 17/1997	C	150 152-157	21-58-06 21-66-03 21-66-04 24-51-01 24-51-02 24-54-01 24-54-02 26-13-01 26-13-02	TEMPERATURE CONTROL CABIN CREW REST AND CREW REST DETECTION SYSTEM
MTO 230432-1	Mar 18/1997	C	276	23-31-01	PUBLIC ADDRESS SYSTEM OVERRIDE DIODE REMOVAL
MTO 230441	Mar 18/1997	C	150-154	23-32-01	VIDEO ENTERTAINMENT SYSTEM - MODIFICATION
MTO 230452A	Mar 18/1997	C	050-051 150-155 162-165	23-31-01	VIDEO SOUND OVER PUBLIC ADDRESS ZONE SELECTOR SWITCH

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MTO 230485B	Mar 18/1997	C	050 150 154-157 162-167	23-31-01	PUBLIC ADDRESS CHANGE VCC PA ZONE SELECTOR SWITCH FUNCTION
MTO 230523	Mar 18/1997	C	150 153-157 162-167	23-32-01 23-32-02	VIDEO ENTERTAINMENT SYSTEM
MTO 230524	Mar 18/1997	C	150 153-157 162-167	23-32-01 23-32-02	VIDEO ENTERTAINMENT SYSTEM
MTO 230532	Mar 18/1997	C	150 153-157 162-167	23-32-01 23-32-02	VIDEO ENTERTAINMENT SYSTEM
MTO 230540	Mar 18/1997	C	050-051	23-22-01 23-32-01 23-32-02 23-42-01 33-20-00 33-21-01 33-21-03 33-22-01	VIDEO CONTROL CENTER
MTO 230541A	Mar 18/1997	C	050-051	23-22-01 23-31-01 23-31-02 23-34-01 33-20-00 33-21-01 33-21-03 33-22-01 33-26-02	VIDEO CONTROL CENTER

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MTO 230591	Dec 18/1997	C	156-157 166-167	23-25-01	SATCOM INSTALLATION
				23-25-02	
				23-25-04	
				24-51-01	
				24-54-01	
				33-16-01	
				34-21-01	
				34-61-01	
				34-61-02	
				34-61-03	
MTO 230592	Dec 18/1997	C	162-165	34-61-04	SATCOM INSTALLATION
				23-25-01	
				23-25-02	
				23-25-04	
				23-51-01	
				24-51-01	
				24-54-01	
				33-13-01	
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MTO 230593	Dec 18/1997	C	150 153-157 166	23-21-01 23-25-01 23-25-02 23-25-04 23-51-01 24-51-01 24-54-01 33-13-01 33-16-01 34-21-01 34-61-01 34-61-02 34-61-03 34-61-04	SATCOM INSTALLATION
MTO 240500	Jul 08/1999	C	150 153-157 162-167	24-51-01 25-25-23	PASSENGER SEAT POWER SUPPLY
MTO 240500	Oct 23/2001	S	152	24-51-01 25-25-23	PASSENGER SEAT POWER SUPPLY
MTO 253681	Sep 17/1997	C	050-051 150-157 162-167 275-278 280	25-53-02	TBD
MTO 260264	Sep 17/1997	C	150-157 162-167 275-278 280	26-17-01	FIRE DETECTION - MAIN WHEEL WELL BLOCKING DIODE ADDITION
MTO 310197	Mar 18/1997	C	151	31-41-01	EICAS - COMPUTER PROGRAM PIN INPUTS - REVISION
MTO 330286	Mar 18/1997	C	150-154 162-165	33-26-02	REVISE S9 AND GROUND WIRE AT PURSER STATION
MTO 330286 R01	Mar 18/1997	C	050-051 155	33-26-02	REVISE S9 AND GROUND WIRE AT PURSER STATION
MTO 330296	Mar 18/1997	C	162-163	33-21-03	CABIN SIDEWALL WASHLIGHT - L342 - REWIRE

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MTO 330339	Mar 18/1997	C	275-277 280	33-21-01	CEILING LIGHTS - FORWARD INDIRECT
MTO 330342B	Mar 18/1997	C	150 153-157	33-21-03 33-22-01	CABIN LIGHT MODIFICATION
MTO 330348	Mar 18/1997	C	162-167	33-21-03 33-22-01	CABIN LIGHT MODIFICATION
MTO 330354	Mar 18/1997	C	050-051	23-22-01 33-20-00 33-21-01 33-21-03 33-22-01	VIDEO CONTROL CENTER
MTO 330370	Sep 17/1997	C	150-157 162-167	33-21-02 33-21-03 33-22-02	AFT SIDEWALL LIGHTS AND LEFT BALLASTS
MTO 340514C	Mar 18/1997	C	150-154	34-53-02	ATC TRANSPONDER
MTO 340537	Mar 18/1997	C	150-154 275-276	34-22-07 34-46-01	REVISIONS TO THE GROUND PROXIMITY COMPUTER - M147
MTO 340537 R01	Mar 18/1997	C	050-051 155-157 162-166 277-278 280	34-22-07 34-46-01	GPW SYSTEM - CHANGE OF ALTITUDE CALLOUTS
MTO 340652	Mar 18/1997	C	050-051 150-152 155-157 162-167 275-278 280	31-51-05 31-51-06 32-61-01 34-22-03 34-45-01 34-55-01 34-55-02	TCAS/VSI INSTALLATION
MTO 340652 R01	Mar 18/1997	C	153-154	34-45-01 34-53-01 34-53-02	TCAS/VSI INSTALLATION - ADDITION OF NEW AIRPLANES

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MTO 340723	Mar 18/1997	C	050-051 150 152 155-157 162-167 275-278 280	34-45-01	TCAS AUDIO LEVELS AND TA/RA
MTO 340723	Apr 26/2002	C	151	34-45-01	TCAS AUDIO LEVELS AND TA/RA
MTO 340796/797/798	Sep 17/1997	C	150-157 162-167 275-278 280	34-24-01	RE-INSTALL BACKCOURSE OPTION FOR STBY ATT IND
PR 00113	Sep 25/2003	C	150 152-157 162-167	33-51-01	INTERIOR EMERGENCY LIGHTS EXIT SIGN
PR 21-02-98	Jan 07/1999	S	275-278 280	21-74-01 24-51-01 24-54-01	ZONAL DRYERS INSTALLATION
TD 3302	Mar 18/1997	C	150-154	23-34-01	REVISION TO M170 WIRING

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CH-SC-SU	Title
24-51-04	115V AC FLIGHT INSTRUMENT TRANSFER BUS
24-51-05	115V AC GROUND SERVICE BUS
24-51-01	115V AC POWER DISTRIBUTION- LEFT
24-51-02	115V AC POWER DISTRIBUTION- RIGHT
24-51-03	115V AC/28V DC POWER DISTRIBUTION- CENTER
75-32-03	2.9 BLEED CONTROL
75-32-04	2.9 BLEED CONTROL
24-53-01	28V AC POWER DISTRIBUTION
24-54-01	28V DC POWER DISTRIBUTION LEFT
24-54-02	28V DC POWER DISTRIBUTION RIGHT
00-06-10	767 CONFIGURATION
24-28-01	AC METERS
24-20-00	AC POWER GENERATION- SIMPLIFIED
23-22-01	ACARS
52-35-01	AFT CARGO DOOR CONTROL
27-10-01	AILERON
27-10-02	AILERON LOCKOUT
33-31-02	AIR CONDITIONING AUX POWER UNIT AND TAIL CONE COMPARTMENT LIGHTS
21-00-00	AIR CONDITIONING- SIMPLIFIED

CH-SC-SU	Title
34-12-01	AIR DATA COMPUTER- LEFT
34-12-02	AIR DATA COMPUTER- RIGHT
34-13-01	AIR DATA INSTRUMENTS LEFT AND RIGHT
21-20-00	AIR DISTRIBUTION- SIMPLIFIED
29-00-05	AIR DRIVEN PUMP
36-23-01	AIR SUPPLY BITE
36-22-01	AIR SUPPLY OVERHEAT INDICATION
36-22-02	AIR SUPPLY PRECOOLER TEMPERATURE INDICATION
34-53-01	AIR TRAFFIC CONTROL SYSTEM- LEFT
34-53-02	AIR TRAFFIC CONTROL SYSTEM- RIGHT
32-09-02	AIR/GROUND RELAYS SYSTEM 1
32-09-03	AIR/GROUND RELAYS SYSTEM 2
34-61-05	AIRBORNE DATA LOADER INPUTS/OUTPUTS
77-00-02	AIRBORNE VIBRATION MONITORING
77-31-01	AIRBORNE VIBRATION MONITORING
31-35-00	AIRCRAFT INTEGRATED DATA SYSTEM SIMPLIFIED
31-35-01	AIRPLANE CONDITION MONITORING SYSTEM
00-06-21	AIRPLANE STATIONS - BODY WING AND STABILIZERS
34-16-01	ALTITUDE ALERT

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30-32-01	ANGLE OF ATTACK PROBE HEAT
33-44-01	ANTI-COLLISION LIGHTS
32-42-01	ANTISKID- LEFT
32-42-02	ANTISKID- RIGHT
32-42-04	ANTISKID/AUTOBRAKE- BITE
32-42-00	ANTISKID/AUTOBRAKE- SIMPLIFIED
27-62-01	AUTO SPEED BRAKE
32-42-03	AUTOBRAKE
22-00-00	AUTOFLIGHT- SIMPLIFIED
34-57-01	AUTOMATIC DIRECTION FINDER- LEFT
34-57-02	AUTOMATIC DIRECTION FINDER- RIGHT
22-10-01	AUTOMATIC FLIGHT CONTROL SYSTEM MODE CONTROL PANEL
22-22-01	AUTOMATIC STABILIZER TRIM
22-32-01	AUTOTHROTTLE
49-00-05	AUXILIARY POWER UNIT AIR
24-31-02	AUXILIARY POWER UNIT BATTERY
49-00-06	AUXILIARY POWER UNIT CONTROL AND BITE
49-00-07	AUXILIARY POWER UNIT DISCONNECTS
49-00-01	AUXILIARY POWER UNIT ENGINE

CH-SC-SU	Title
49-00-03	AUXILIARY POWER UNIT FUEL
49-00-04	AUXILIARY POWER UNIT IGNITION AND STARTING
49-00-02	AUXILIARY POWER UNIT OIL
49-00-00	AUXILIARY POWER UNIT SIMPLIFIED
36-11-04	AUXILIARY POWER UNIT VALVE-CONTROL
24-54-03	BATTERY POWER DISTRIBUTION
31-51-07	BELL/CHIME AURAL WARNING
32-46-01	BRAKE TEMPERATURE MONITOR
32-41-01	BRAKES
52-36-01	BULK CARGO DOOR
24-20-04	BUS POWER CONTROL UNIT
23-29-01	CABIN DATA TERMINAL
23-42-01	CABIN INTERPHONE
21-31-01	CABIN PRESSURIZATION
21-33-01	CABIN PRESSURIZATION- INDICATING AND WARNING
21-30-00	CABIN PRESSURIZATION- SIMPLIFIED
23-19-11	CABIN TELECOMMUNICATIONS CTU
23-19-12	CABIN TELECOMMUNICATIONS STAND ALONE PHONE
23-32-02	CABIN VIDEO INFORMATION SYSTEM

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25-53-05	CARGO HANDLING LD2, LD3 LATERAL GUIDES & ROLLOUT STOPS-AFT LOWER LOBE
25-53-02	CARGO HANDLING LD2, LD3 LATERAL GUIDES & ROLLOUT STOPS-LOWER LOBE
25-53-04	CARGO HANDLING POWER DISTRIBUTION- AFT LOWER LOBE
25-53-06	CARGO HANDLING POWER DRIVE UNITS- AFT LOWER LOBE
25-53-03	CARGO HANDLING POWER DRIVE UNITS- FORWARD LOWER LOBE
25-53-01	CARGO HANDLING- POWER DISTRIBUTION- FORWARD LOWER LOBE
25-53-00	CARGO HANDLING- SIMPLIFIED
33-31-04	CARGO LOAD EXTERIOR LIGHTS
33-14-01	CHART MAP AND UTILITY LIGHTS
31-25-01	CLOCKS
23-00-00	COMMUNICATIONS- SIMPLIFIED
27-09-01	CONTROL SYSTEM ELECTRONIC UNIT AC POWER- LEFT
27-09-02	CONTROL SYSTEM ELECTRONIC UNIT AC POWER- RIGHT
27-09-06	CONTROL SYSTEM ELECTRONIC UNIT AIR/GROUND HYDRAULIC INPUTS
27-09-03	CONTROL SYSTEM ELECTRONIC UNIT DC POWER- LEFT

CH-SC-SU	Title
27-09-04	CONTROL SYSTEM ELECTRONIC UNIT DC POWER- RIGHT
27-09-05	CONTROL SYSTEM ELECTRONIC UNIT MAINTENANCE ANNUNCIATION
27-09-00	CONTROL SYSTEM ELECTRONIC UNIT POWER DISTRIBUTION SIMPLIFIED
21-50-00	COOLING PACKS- SIMPLIFIED
35-11-01	CREW OXYGEN
26-13-02	CREW SMOKE DETECTION SYSTEM
24-34-01	DC METERS
28-26-01	DEFUELING
31-31-01	DIGITAL FLIGHT RECORDER
33-22-02	DIRECT CEILING LIGHTS
34-55-01	DISTANCE MEASURING EQUIPMENT- LEFT
34-55-02	DISTANCE MEASURING EQUIPMENT- RIGHT
33-11-02	DOME LIGHTS
25-66-01	DOOR MOUNTED ESCAPE SLIDES
52-70-01	DOOR WARNING
30-71-01	DRAIN MAST HEATERS
26-18-01	DUCT LEAK DETECTION
36-21-01	DUCT PRESSURE INDICATION

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34-22-06	EFIS BUS INPUTS
34-22-08	EFIS ELECTRONIC ATTITUDE DIRECTOR INDICATOR
34-22-07	EFIS ELECTRONIC HORIZONTAL SITUATION INDICATOR
34-22-05	EFIS POWER DISTRIBUTION AND INSTRUMENTS LIGHTING
34-22-04	EFIS SYMBOL GENERATOR
31-41-05	EICAS STATUS AND MAINTENANCE ANALOG DISCRETES
31-41-04	EICAS WARNING CAUTION AND ADVISORY ANALOG DISC
33-31-03	ELECTRICAL AND ELECTRONIC EQUIPMENT CENTER LIGHTS
24-51-07	ELECTRICAL LOAD SHED (GROUND)/AUTO RESET (AIR)
24-00-00	ELECTRICAL POWER- SIMPLIFIED
73-21-10	ELECTRONIC ENGINE CONTROL
73-21-02	ELECTRONIC ENGINE CONTROL AND FLIGHT GROUND IDLE- LEFT
73-21-04	ELECTRONIC ENGINE CONTROL AND FLIGHT GROUND IDLE- RIGHT
73-21-01	ELECTRONIC ENGINE CONTROL DISCRETE INPUTS- LEFT
73-21-03	ELECTRONIC ENGINE CONTROL DISCRETE INPUTS- RIGHT

CH-SC-SU	Title
77-35-01	ELECTRONIC ENGINE CONTROL MONITOR
73-21-06	ELECTRONIC ENGINE CONTROL RESET- LEFT ENGINE
73-21-07	ELECTRONIC ENGINE CONTROL RESET- RIGHT ENGINE
27-30-01	ELEVATOR
25-63-01	EMERGENCY EVACUATION SIGNAL
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23-24-01	EMERGENCY LOCATOR TRANSMITTER
76-11-01	ENGINE CONTROL
75-23-01	ENGINE EXTERNAL ACCESSORY COOLING
26-11-01	ENGINE FIRE AND OVERHEAT DETECTION- LEFT
26-11-02	ENGINE FIRE AND OVERHEAT DETECTION- RIGHT
73-00-00	ENGINE FUEL AND CONTROL- SIMPLIFIED
73-34-01	ENGINE FUEL FILTER BYPASS WARNING
73-33-01	ENGINE FUEL PRESSURE INDICATION
36-11-07	ENGINE HIGH PRESSURE CONTROL- LEFT
36-11-08	ENGINE HIGH PRESSURE CONTROL- RIGHT
74-31-01	ENGINE IGNITION CONTROL
77-00-01	ENGINE INDICATING
31-40-01	ENGINE INDICATION & CREW ALERTING SYSTEM COMPUTER

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31-41-07	ENGINE INDICATION & CREW ALERTING SYSTEM DISPLAYS
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31-41-01	ENGINE INDICATION & CREW ALERTING SYSTEM POWER AND CONTROL
31-41-08	ENGINE INDICATION & CREW ALERTING SYSTEM SIGNAL CONSOLIDATION
31-41-02	ENGINE INDICATION AND CREW ALERTING SYSTEM ANALOG INPUTS
31-41-03	ENGINE INDICATION AND CREW ALERTING SYSTEM DIGITAL INPUTS
30-21-01	ENGINE INLET THERMAL ANTI-ICING
30-34-01	ENGINE MACH PROBE HEAT
73-21-05	ENGINE N2 DISCRETES
79-00-01	ENGINE OIL
79-00-00	ENGINE OIL- SIMPLIFIED
71-00-01	ENGINE QUICK DISCONNECTS
71-00-00	ENGINE SIMPLIFIED
80-11-01	ENGINE STARTING
33-22-01	ENTRY CLOSET AND WORK LIGHTS
52-11-01	ENTRY DOORS

CH-SC-SU	Title
52-48-01	EQUIPMENT COMPARTMENT EXTERIOR DOORS
21-58-01	EQUIPMENT COOLING- CONTROL AND INDICATION
21-58-05	EQUIPMENT COOLING- EXHAUST FAN
21-58-03	EQUIPMENT COOLING- GROUND VALVES
21-58-06	EQUIPMENT COOLING- INBOARD VALVES
21-58-02	EQUIPMENT COOLING- OVERRIDE
21-58-00	EQUIPMENT COOLING- SIMPLIFIED
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36-11-09	FAN AIR VALVE CONTROL
26-00-01	FIRE DETECTION ENGINE IND AND CREW ALERTING SYSTEM INDICATOR
26-15-01	FIRE DETECTION- AUXILIARY POWER UNIT
26-10-00	FIRE DETECTION- SIMPLIFIED
26-17-01	FIRE DETECTION- WHEEL WELL
26-23-01	FIRE EXTINGUISHER- LOWER CARGO COMPARTMENT
26-22-01	FIRE EXTINGUISHING- AUXILIARY POWER UNIT
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26-00-00	FIRE PROTECTION- SIMPLIFIED
26-20-01	FIRE SWITCHES-ENGINE AUXILIARY POWER UNIT
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27-50-01	FLAPS/SLATS ELECTRONICS UNIT
33-10-00	FLIGHT COMPARTMENT LIGHTS SIMPLIFIED
30-41-01	FLIGHT COMPARTMENT WINDOW ANTI-ICING-LEFT FORWARD & RIGHT SIDE
30-41-02	FLIGHT COMPARTMENT WINDOW ANTI-ICING-RIGHT FORWARD & LEFT SIDE
22-10-04	FLIGHT CONTROL COMPUTER INTERFACE- CENTER
22-10-02	FLIGHT CONTROL COMPUTER INTERFACE- LEFT
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27-00-01	FLIGHT CONTROLS- HYDRAULIC DISTRIBUTION
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34-22-00	FLIGHT INSTRUMENTS - SIMPLIFIED
34-22-09	FLIGHT INSTRUMENTS SWITCHING AND MONITOR
23-51-01	FLIGHT INTERPHONE
34-60-01	FLIGHT MANAGEMENT COMPUTER
34-61-01	FLIGHT MANAGEMENT COMPUTER INPUTS- LEFT

CH-SC-SU	Title
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34-61-02	FLIGHT MANAGEMENT COMPUTER OUTPUTS- LEFT
34-61-04	FLIGHT MANAGEMENT COMPUTER OUTPUTS- RIGHT
34-60-02	FLIGHT MANAGEMENT COMPUTER SYSTEM MAINTENANCE INDEX
38-30-02	FLUSH CONTROL AND PRECHARGE FORWARD TANK
52-34-01	FORWARD CARGO DOOR CONTROL
21-26-04	FORWARD CARGO GROUND EXHAUST FAN
21-43-01	FORWARD CARGO HEATING
25-31-01	FORWARD GALLEY
28-40-01	FUEL ENGINE INDICATION & CREW ALERTING SYSTEM WARNING
28-25-01	FUEL FEED- AUXILIARY POWER UNIT
28-22-01	FUEL FEED- ENGINE
73-31-01	FUEL FLOW INDICATION
24-51-08	FUEL JETTISON LOAD SHED
28-31-01	FUEL JETTISON NOZZLE VALVE AND TRANSFER VALVE CONTROL
28-31-02	FUEL JETTISON PUMPS LOW PRESSURE SWITCH
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28-13-01	FUEL VENT
28-00-00	FUEL- SIMPLIFIED
33-27-01	GALLEY LIGHTS
25-33-01	GALLEY REFRIGERATION
21-24-01	GASPER AIR
24-20-03	GENERATOR CONTROL- AUXILIARY POWER UNIT
24-20-01	GENERATOR CONTROL- LEFT
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23-43-01	GROUND CREW CALL
24-51-06	GROUND HANDLING BUS
34-46-01	GROUND PROXIMITY WARNING
30-46-01	HEATER- VIEWPORT ENTRY/SERVICE DOOR
21-44-01	HEATING- AFT CARGO
21-44-02	HEATING- BULK CARGO
21-44-03	HEATING- FLAPPER VALVE
21-45-02	HEATING- FORWARD DOOR AREA
21-45-03	HEATING- OVERWING ESCAPE HATCHES

CH-SC-SU	Title
21-40-00	HEATING- SIMPLIFIED
21-45-01	HEATING- SUPPLEMENTAL
23-11-01	HF COMMUNICATIONS
27-50-00	HIGH-LIFT DEVICES- SIMPLIFIED
27-40-01	HORIZONTAL STABILIZER TRIM
24-20-05	HYDRAULIC GENERATOR CONTROL
29-00-04	HYDRAULIC POWER- CENTER
29-00-02	HYDRAULIC POWER- LEFT
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29-00-01	HYDRAULIC SUPPLY FILL AND MONITOR
29-00-07	HYDRAULICS ENGINE IND AND CREW ALERTING SYSTEM INDICATION
29-00-00	HYDRAULICS- SIMPLIFIED
30-81-01	ICE DETECTOR
25-25-23	IN-SEAT POWER OUTLETS
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33-21-01	INDIRECT CEILING AND PARTITION LIGHTS
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34-31-03	INSTRUMENT LANDING SYSTEM CENTER
34-31-01	INSTRUMENT LANDING SYSTEM LEFT
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24-10-02	INTEGRATED DRIVE GENERATOR
24-10-01	INTEGRATED DRIVE GENERATOR INSTALLATION
24-11-01	INTEGRATED DRIVE GENERATOR OIL COOLING
36-11-03	ISOLATION VALVE CONTROL- CENTER
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31-51-04	LANDING CONFIGURATION WARNING
32-30-01	LANDING GEAR EXTENSION AND RETRACTION
32-61-01	LANDING GEAR POSITION INDICATION
33-42-01	LANDING LIGHTS
33-25-01	LAVATORY CALL
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27-89-11	LEADING EDGE SLAT SKEW DETECTION
27-89-01	LEADING EDGE SLAT SKEW DETECTION-SIMPLIFIED
27-81-03	LEADING EDGE SLATS ALTERNATE DRIVE
27-88-01	LEADING EDGE SLATS POSITION INDICATION
27-81-01	LEADING EDGE SLATS PRIMARY DRIVE
27-81-02	LEADING EDGE SLATS SHUTOFF VALVE
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33-37-01	LOWER CARGO COMPARTMENT LIGHTS- FORWARD
21-28-01	LOWER FORWARD CARGO AIR CONDITIONING
21-43-02	LOWER FORWARD CARGO TEMPERATURE INDICATION
33-37-02	LOWER LOBE CARGO COMPARTMENT LIGHTS- AFT
22-24-01	MACH TRIM
24-31-01	MAIN BATTERY
22-41-01	MAINTENANCE CONTROL AND DISPLAY PANEL
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33-16-01	MASTER DIM AND TEST
31-51-02	MASTER WARNING
00-00-00	MECHANICAL SYMBOLS

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25-31-04	MID GALLEY
34-53-03	MODE S ANTENNA SWITCHING & PROGRAM PINS
31-36-01	MULTI INPUT PRINTER
33-21-02	NIGHT LIGHTS
32-51-01	NOSEWHEEL STEERING
25-65-01	OFF-WING ESCAPE SLIDES
52-21-01	OVERWING ESCAPE HATCH
21-50-03	PACK AUTO CONTROL- LEFT
21-50-04	PACK AUTO CONTROL- RIGHT
21-50-01	PACK FLOW CONTROL- LEFT
21-50-02	PACK FLOW CONTROL- RIGHT
21-52-03	PACK FLOW INDICATION
21-50-05	PACK STANDBY CONTROL- LEFT
21-50-06	PACK STANDBY CONTROL- RIGHT
21-50-07	PACK TEMPERATURE INDICATION- LEFT
21-50-08	PACK TEMPERATURE INDICATION- RIGHT
33-11-01	PANEL FLOOD LIGHTS
00-06-30	PANEL LOCATIONS AND MAJOR EQUIPMENT CENTER

CH-SC-SU	Title
23-31-01	PASSENGER ADDRESS
33-20-00	PASSENGER COMPARTMENT LIGHTS- SIMPLIFIED
23-32-03	PASSENGER ENTERTAINMENT SYSTEM PASSENGER FLIGHT INFO DISPLAY SYSTEM
23-34-01	PASSENGER ENTERTAINMENT/ PASSENGER SERVICE
35-21-01	PASSENGER OXYGEN
23-34-02	PASSENGER SERVICE SYSTEM PASSENGER ENTMT SYSTEM MULTIPLEX DISTR
33-24-01	PASSENGER SIGNS
73-21-08	PERFORMANCE SOLENOIDS- LEFT AND RIGHT ENGINE
34-11-01	PITOT STATIC
30-31-01	PITOT STATIC PROBE ANTI-ICING
36-00-00	PNEUMATICS- SIMPLIFIED
33-43-01	POSITION LIGHTS
38-10-01	POTABLE WATER
25-11-01	POWER SEAT- CAPTAIN
25-11-02	POWER SEAT- FIRST OFFICER
29-00-08	POWER TRANSFER UNIT CONTROL
23-31-02	PRE-RECORDED ANNOUNCEMENTS
28-21-01	PRESSURE FUELING

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36-11-06	PRESSURE REGULATION AND SHUTOFF VALVE- RIGHT
30-30-01	PROBE HEAT ENGINE IND AND CREW ALERTING SYSTEM INDICATION
32-09-01	PROXIMITY SWITCH ELECTRONICS UNIT (PSEU)
34-33-03	RADIO ALTIMETER- CENTER
34-33-01	RADIO ALTIMETER- LEFT
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INTRODUCTION

1. APPLICABILITY

This System Schematic 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

This System Schematic Manual (SSM) is a collection of diagrams which define the airplane systems. These data are prepared essentially in accordance with 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.

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Every effort has been made to ensure that the information presented on these schematics is complete and correct. However, in the event of conflict between this manual and Boeing Wiring Diagrams or other engineering drawings, the wiring diagrams or drawings shall be the controlling definition.

A. Purpose of Introduction Section

This Introduction Section is intended to provide the user with an overview of the SSM, an explanation of symbols used, and assumptions made while developing these schematics. Without an understanding of these symbols and assumptions, the user may not get the full value from the enclosed schematics.

B. Purpose of System Schematic Manual

The System Schematic Manual (SSM) was prepared to serve as a source of information to assist in understanding system function and to facilitate fault isolation to the Line Replaceable Unit (LRU) level. It is not intended for use as a substitute for other maintenance documentation (i.e., Fault Isolation Manual, Maintenance Manual, Wiring Diagram Manual). The SSM does not include information for testing. The procedures in the Fault Isolation Manual should be used for any fault isolation requiring testing. The procedures in the Maintenance Manual should be used to support removal and installation of components. The Wiring Diagram Manual (WDM) should be used as a reference to isolate faults in wiring and in-line disconnects.

The data contained in this manual are customized for each airline. Except for those features added by service bulletin or specifically requested by the airline, these data include coverage for only those features that are part of the airplane as delivered by Boeing.

3. BOEING CHANGE DEFINITIONS

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

GENERAL INFORMATION

INTRODUCTION**A. Customer Originated Changes (COC)**

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

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B. Service Bulletin (SB)

Service Bulletins provide information for accomplishing a Boeing engineering change on in-service airplanes.

C. 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.

4. 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.

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.

5. 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 an 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.

GENERAL INFORMATION

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
ACCESS	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
ARINC	Aeronautical Radio Incorporated
ASA	Autoland Status Annunciator
ASCP	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

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INTRODUCTION

BTMU	Brake Temperature Monitor Unit	COM/NAV	Communication/Navigation
C	Cold	COR	Corrector
CACTS	Cabin Air Conditioning & Temperature Control System	CP	Control Panel
CADS	Central Air Data System	CPCS	Cabin Pressure Control System
CALIB	Calibrator	CRKG	Cranking
CAP	Capture	CSB	Compressor Stability Bleed
CAP	Contact Authorized Proposal	CSMU	Cabin System Management Unit
CAPC	Cabin Area Control Panel	CT	Control Transformer
CAPT	Captain	CTC	Cabin Temperature Controller
CCA	Central Control Actuator	CTS	Cabin Temperature Selector
CCL	Cargo Control Logic	CTS	Conversational Terminal System
CCM	Cargo Control Module	CVR	Cockpit Voice Recorder
CCU	Cargo Control Unit	CWS	Control Wheel Steering
CDU	Control Display Unit	DAA	Digital/Analog Adapter
CFDS	Centralized Fault Detection System	DADC	Digital Air Data Computer
CFE	Customer Furnished Equipment	DAR	Digital Aids Recorder
CHKPT	Checkpoint	DED	Dead Ended Shield
CHSP	Course Heading Select Panel	DEL	Diagram Equipment List
CIC	Cabin Interphone Controller	DFCS	Digital Flight Control System
CIWS	Central Instrument Warning System	DFDAU	Digital Flight Data Acquisition Unit
CMC	Central Maintenance Computer	DFDR	Digital Flight Data Recorder
CMD	Command	DH	Decision Height
CMM	Component Maintenance Manual	DIU	Digital Interface Unit
CMS	Cabin Management System	DMU	Data Management Unit
COC*	Customer Originated Change	DP	Differential Protection
COF MKR	Coffee Maker	DPA	Digital Pre-Assembly
COLL	Collision	DPCT	Differential Protective Current Transformer

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INTRODUCTION

DPLY	Deploy	EXTD	Extend
DSP	Display Select Panel	F/D	Flight Director
E/E	Electrical/Electronics	F/E	Flight Engineer
EADI	Electronic Attitude Director Indicator	F/F	Fuel Flow
ECS	Environmental Control System	F/O	First Officer
EDIU	Engine Data Interface Unit	FADEC	Full Authority Digital Engine Control
EDP	Engine Driven Pump	FAFC	Full Authority Fuel Control
EEC	Electronic Engine Control (Unit)	FAR	Federal Aviation Regulations
EFIS	Electronic Flight Instrument System	FBW	Fly-by-Wire
EHSI	Electronic Horizontal Situation Indicator	FCC	Flight Control Computer
EICAS	Engine Indicating and Crew Alerting System	FCU	Flap Control Unit
EIU	EFIS/EICAS Interface Unit	FDAU	Flight Data Acquisition Unit
ELCCR*	Electrical Liaison Change Commitment Record	FLMTR	Flowmeter
ELCU	Electrical Load Control Unit	FMC	Flight Management Computer
ELMS	Electrical Load Management System	FMCS	Flight Management Computer System
EMC	Electromagnetic Compatibility	FMU	Fuel Metering Unit
EMP	Electric Motor Pump (See also ACMP)	FMV	Fuel Metering Valve
ENTMT	Entertainment	FOC	Fuel/Oil Cooler
ENWY	Entryway	FQIS	Fuel Quantity Indication System
EPR	Engine Pressure Ratio	FQPU	Fuel Quantity Processor Unit
EPRL	Engine Pressure Ratio Limit	FSEU	Flap/Slat Electronics Unit
ESCC	Electrical Supply and Control Center	GCB	Generator Circuit Breaker
ESNTL	Essential	GCR	Generator Control Relay
ESS	Essential	GCU	Generator Control Unit
ETC	Electronic Temperature Control	GPWS	Ground Proximity Warning System
ETOPS	Extended Twin (Engine) Operations	GS	Glide Slope
EXCHR	Exchanger	GSB	Ground Service Bus

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GSPR	Gasper	LO	Lock Out
H	Hot	LP	Lightning Protector
HLCU	High Lift Control Unit	LPT	Low Pressure Turbine
HMU	Hydromechanical Unit	LRRA	Low Range Radio Altimeter
HND	Hand	LRU	Line Replaceable Unit
HPC	High Pressure Compressor (N2 Rotor)	LSDA	Low Speed Digital To Analog
HPSOV	High Pressure Shutoff Valve	M	Mach
HPT	High Pressure Turbine	M MUX	Main Multiplexer
HYDIM	Hydraulic Interface Module	MAI	Multiplexer Action Item
HYQUIM	Hydraulic Quantity Interface Module	MAWEA	Modularized Avionics and Warning Electronics Assembly
HZ	Hertz (Cycles Per Second)	MC*	Master Change
IBIT	Initiated Built In Test	MCDP	Maintenance Control and Display Panel
IBVSU	Instrument Bus Voltage Sense Unit	MCDU	Multipurpose Control and Display Unit
IDG	Integrated Drive Generator	MCP	Mode Control Panel
IDS	Integrated Display System	MGSCU	Main Gear Steering Control Unit
ILES	Inboard Leading Edge Station	MHRS	Magnetic Heading Reference System
INS	Inertial Navigation System	MHZ	Megahertz
INTC	Interconnect	MIDU	Multipurpose Interactive Display Unit
IOEU	Inboard Overhead Electronics Unit	MKR BCN	Marker Beacon
IPC	Illustrated Parts Catalog	MLS	Microwave Landing System
IPL	Illustrated Parts List	MNFST	Manifest
IRS	Inertial Reference System	MOSFET	Metallic Oxide Semiconductor Field Effect Transistor
JPR	Jumper	MR*	Modification Revision
KHZ	Kilohertz	MTCHG	Matching
KVA	Kilovolt Ampere	MTG	Muting
LGHTNG	Lightning	NBR	Number
LMP	Lamp	ND	Navigation Display

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NGT	Night	PRCLR	Precooler
OAP	Output Audio Processor	PROT	Protection
OFCR	Officer	PRR*	Production Revision Record
OFL	Outflow	PRSOV	Pressure Regulating Shut-Off Valve
OMS	Onboard Maintenance System	PSA	Power Supply Assembly
OOEU	Outboard Overhead Electronics Unit	PSEU	Proximity Switch Electronics Unit
OPAS	Overhead Panel ARINC 629 System	PSU	Passenger Service Unit
OPBC	Overhead Panel Bus Controller	PTT	Press To Talk/Push To Talk
OVDR	Overdoor	PVD	Paravirtual Display
OVFL	Overfill	PYL	Pylon
OVHT	Overheat	QAM	Quadrature Amplitude Modulation Unit
OVWG	Overwing	QAR	Quick Access Recorder
PA	Passenger Address	QDT	Quadrantal
PA/CI	Passenger Address/Cabin Interphone	RAT	Ram Air Turbine
PCH	Patch	RDMI	Radio Distance Magnetic Indicator
PCT	Percent	RDP	Roller Drive Power
PDU	Power Drive Unit	RDU	Remote Display Unit
PES	Passenger Entertainment System	REP	Repellent
PFC	Primary Flight Computer	RFLNG	Refueling
PFD	Primary Flight Display	RGLTN	Regulation
PFIDS	Passenger Flight Information Display System	RMCP	Radio Management Control Panel
PIS	Passenger Information Sign	RR*	Rapid Revision
PKG	Parking	RST	Reset
PMA	Permanent Magnet Alternator	RSV	Reserve
PMG	Permanent Magnet Generator	RTC	Rudder Trim Control
PMS	Performance Management System	RVSG	Reversing
POR	Point of Regulation	RVT	Rotational Variable Transformer

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INTRODUCTION

SAARU	Standby Attitude/Air Data Reference Unit	TBV	Turbine Bypass Valve
SAT	Static Air Temperature	TCA	Turbine Cooling Air
SATCOM	Satellite Communications	TCAS	Traffic Collision Avoidance System
SB*	Service Bulletin	TCC	Turbine Case Cooling
SCF	System Cardfile	TDL	Time Delay Logic
SCM	Spoiler Control Module	TDX	Torque Differential Transmitter
SCU	Seat Control Unit	TERM BLK	Terminal Block
SDI	Source Destination Identifier	TGT	Turbine Gas Temperature
SEB	Seat Electronics Box	THSHD, THRSH	Threshold
SEB/ST	Seat Electronics Box With Self Test	TL	Tilt
SEI	Standby Engine Instruments	TLA	Thrust Lever Angle
SEU	Seat Electronics Unit	TMC	Thrust Management Computer
SHVR	Shaver	TMS	Thrust Management System
SL*	Service Letter	TO	Turn-off
SN	Sign	TPIS	Tire Pressure Indication System
SO	Shut-off	TPMU	Tire Pressure Monitor Unit
SO	Standard Option	TR	Torque Receiver
SPL	Splice List	TR	Transformer Rectifier
SRM	Stabilizer Trim/Rudder Ratio Module	TRA	Thrust Resolver Angle
SUP-NUM	Supernumerary	TRC	Thermatic Rotor Control
SVU	Seat Video Unit	TRU	Transformer Rectifier Unit
SWDL	Software Data Loader	TS	Terminal Strip
SWL	Sidewall	TTG	Time To Go
T/M	Torque Motor	TURB	Turbulence
T/R	Thrust Reverser	TX	Torque Transmitter
TAI	Thermal Anti-Ice	UNLK	Unlock
TAT	Total Air Temperature	VBV	Variable Bypass Valve

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INTRODUCTION

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.

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INTRODUCTION

1. LEVELS OF SCHEMATICS

Three levels of schematics may be drawn to represent the system functions:

Level 1	BLOCK DIAGRAM: Provides a broad overview of the system, or part of a system, showing major functions and components, functional groupings and pertinent interfaces.
Level 2	SIMPLIFIED SCHEMATIC: Provides a simplified view of the functions, components and interfaces. Broader in scope, showing more detail than level 1 schematics. Functions are shown without regard to their location in the aircraft or to pin-to-pin circuits.
Level 3	SCHEMATIC: Shows the system in sufficient depth for fault isolation to the LRU level. Provides a detailed view of the functions, components, pin-to-pin connectivity and interfaces. Provides a link between the function and the physical implementation. Provides the location reference for the components in the airplane.

2. CONTENT OF SCHEMATICS

The schematics show each system in a functionally integrated presentation that:

- Identifies and locates all LRU's and shows their functional internal circuitry in a simplified manner.
- Identifies connections between LRU's with cross reference to all interfacing system schematics.
- Provides signal flow for primary functions which require airplane wiring or observable indications.

The preferred schematic layout is power on the left and load on the right; signal source on the left, and signal destination/indication on the right. After satisfying proper left to right flow, the equipment is shown in relation to its position in the airplane, when possible. Left is forward, right is aft, top is right, bottom is left.

Unless otherwise noted, all schematics are shown with the airplane on the ground, after a normal flight, and with the post-flight checklist completed (power off). Instruments, indicators and monitors may reflect other conditions where clarity of presentation is improved.

Schematics may contain information relating to the nominal actuating pressure, temperature, or quantity values of certain devices, as well as dimensional relationships and operational notes. Such information is provided for reference only as an aid in systems understanding and is not intended for use to do rigging, calibration, adjustment, or functional testing. Refer to the Maintenance Manuals for this data.

A. Schematic Organization/Numbering System

ATA Specification 2200 assigns chapters to each major system (e.g., Hydraulics) of functional group of systems (e.g., Navigation). Each chapter is assigned a two-digit number (e.g., Hydraulics is Chapter 29 and Navigation is Chapter 34).

SYSTEM SCHEMATICS

INTRODUCTION

Additionally, ATA Specification 2200 divides each chapter into sections. The section number is the third and fourth digits in the ATA number. Boeing assigns each subsystem the fourth digit in the ATA number. These same four-digit ATA numbers are used throughout the System Schematic Manual, Wiring Diagram Manual, Fault Isolation Manual, Maintenance Manuals, and Maintenance Training documents. The schematic numbers in the SSM are assigned following this four-digit ATA number assignment and with a two-digit suffix to make each schematic of that subsystem unique using a six-digit number. The schematics are further defined in the following manner: Schematic number (six-digit ATA number), Page number, and as required SCHEM number and/or Sheet number.

Complex subsystems may require more than one schematic sheet. In general, the subsystem shows the related functions on one schematic. Multiple schematics may also be used to show the function of the subsystem. "SCHEM" numbers may also be assigned to schematics depicting subfunctions of primary function.

Additionally, each schematic may require multiple sheets. Odd-numbered sheets are printed on the left side of the binding and even-numbered sheets on the right. This allows the schematic to be read across the binding edge.

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.

The airplane effectivity code, Customer or Boeing assigned, of each schematic is noted in a box in the lower left corner of the schematic. All sheets of a multiple-sheet schematic must have the same effectivity.

B. Equipment Numbers

Equipment numbers (reference designators) are assigned to each airplane component with wiring attached, all Line Replaceable Units (LRU), panels and racks. Not all components with equipment numbers are LRU's and not all LRU's are assigned an equipment number. The equipment number uniquely identifies a component. However, if a component is part of an assembly, the equipment number will be the same for each use of the assembly in the airplane.

C. Equipment Description

The Equipment Description used in the SSM and WDM consists of the component name, followed by a location modifier (e.g., VHF Radio-Left).

D. Depiction of Equipment on Schematics

The schematic identifies which equipment is a Line Replaceable Unit (LRU) by the width of the box representing the equipment. Equipment that is not an LRU is identified with a solid thin line. The LRU is identified with the solid wide line if it is shown in the home ATA system. It is identified by a wide cross-hatched line if the circuit functions are duplicated in another interfacing ATA system. Provisional equipment not installed on an airplane at the time of delivery is identified by dash equipment boxes; however, the wiring has been installed to allow installation of the equipment at a later date.

SYSTEM SCHEMATICS

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The schematic which shows the primary function of the LRU is the home for that LRU. If the LRU is not shown in its entirety on its home schematic, a continuation break (Z-break) is used to indicate that the LRU is shown incomplete. In this case, a reference to the "home schematic" is placed in the top center of the LRU box. LRU's with multiple primary functions shown in multiple systems are identified with Z-breaks. References are not included on the home schematic.

In the SSM, the following definition of a LRU has been used:

A Line Replaceable Unit is a unit which can be readily changed on an aircraft during Line Maintenance operations. Line Maintenance includes a routine check, inspection and malfunction correction performed en route and at base stations during transit, turnaround, or night stop.

Most LRU's do not contain line replaceable components. These "closed" LRU's generally do not show internal equipment item numbers, connectors and pin numbers. "Open" LRU's contain line replaceable components and components that are easily accessible. These line replaceable subcomponents are also depicted as LRU equipment items.

In selected instances, multiple equipment may share the same graphic box. Each equipment number, description and location are listed under the box. All connections go to identical interfaces on each box, except that the connector numbers will be unique for each box.

E. Circuits and References

The lines between the equipment boxes on schematics show all pin-to-pin connections between the LRU's and do not show individual wire segments or indicate the complete wiring hookup. When possible, the complete circuit is shown on the home schematic. When the circuit can not be shown complete on the home schematic, a reference is made to indicate where the user will find the other portion(s). For all incomplete circuits, a branched wire off a common point is shown with an ATA reference to the schematic showing the other portions of the circuit. The referenced schematic will repeat at least one pin of the circuit and have a reference back to the home schematic to complete the circuit. Schematic references in wires/lines indicate the circuit may not be shown complete, but is shown on another system schematic and is duplicated on this schematic.

To improve clarity, some wires are grouped into a single wire with a brace at each end. The pins on each end correlate one for one at each end of the wire.

Circuits that cross the binding edge to an adjacent schematic sheet are drawn to line up at the edge of the schematic and are lettered. Mechanical lines that cross the binding edge are numbered.

To improve clarity, connections between points on a schematic which are remote from each other, may be shown with circles around them (bubbles). Bubbles may also be used to connect points from one schematic to another. Combining bubbles connects the circuit. The letters in the bubbles are unique for that schematic and all referenced schematics. Tubing and mechanical lines that are referenced using bubbles are numbered.

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F. Connectors

The connector equipment number is shown for connectors mating to each LRU. This equipment number is placed just above the pin numbers and usually begins with the letter "D". If multiple connectors mate with the equipment, a letter suffix is added to correlate the connector to the LRU receptacle (e.g., A = J1, B = J2). If this correlation is not followed, the receptacle number is added in parentheses next to the connector number. ARINC 600 connector equipment item numbers are shown on schematics without a suffix letter. In the WDM Equipment List an ARINC 600 connector equipment item number is shown without a suffix letter followed by the same equipment item number with suffix letters. The first suffix letter indicates the section of the connector, e.g. A, B, C. The second letter indicates the kind of contact(s) in that section. See the WDM Equipment List for a description of contacts.

Where the connector numbers differ on each half of a disconnect, both numbers are shown separated by a / (slash).

Pin and socket lower case letter identifiers are indicated by an upper case letter followed by a minus sign (-), (e.g. F- = f). If there is no terminal number marked on the part, the pin number is assigned by Boeing and is prefaced with an = (equal), (e.g., =P for power, =G for ground). Coaxial contacts are identified with the contact number followed by a T (for Tip) or TR (for Tip Ring).

Where the access to the connector pin is very limited and the LRU is easily replaceable (i.e., a Line Replaceable circuit card in a card cabinet), the connector number and the pin numbers for the card interface are not shown.

In-line disconnects and pin numbers are shown on system schematics only if required for fault isolation (i.e., component pigtails are removed at the disconnect).

G. Locations

The location of each Equipment Item is shown through the use of illustrations and/or in parentheses following the Equipment Description. This location may be a panel or rack number, a general word location based on airplane zone or door location, or three-point coordinates based on one of the airplane reference planes. Word locations or three-point coordinates may not be shown when an illustration is used to show location.

H. Data Buses

A parallel line data bus symbol, with an arrow to indicate the direction of the data flow, represents the data bus connection between the LRU's. To depict connectivity, the pin numbers on each bus termination are listed in the same order (i.e., the top pin shown on an LRU physically connects to the top pin shown on every other connected LRU). The pin(s) are arranged in a logical order (i.e., the signal "high" is on top, the ARINC 429 "A" connections are on top, or the most significant to the least significant bit). Note that this logical order may sometimes result in pin numbers being out of numerical sequence. To improve clarity, data buses that are internal to the equipment are shown as single lines with an arrow.

I. Airplane Illustrations

General airplane dimensions and locations are included in the 00 section of the SSM. These are intended to provide a general overview of the airplane along with location information for common equipment. Examples of the items found in this section are:

- Flight deck panel locations, including illustrations of the front of the panels.
- Equipment rack locations, including the location of the equipment on the rack.

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- Circuit breaker panel locations, including the location of the circuit breakers.

J. Purpose of Illustrations on Schematics

Illustrations are included on many schematics to assist the user in locating and recognizing the component in the airplane. These illustrations are to be used in conjunction with the introductory illustrations. They are not intended to provide sufficient detail to allow component removal or installation information; these details are included in the Boeing Airplane Maintenance Manuals.

K. Wire Diagram Reference Box

To assist the user in cross referencing to the appropriate wire diagram(s), a wire diagram reference box is placed in the upper-right corner on each schematic that depicts wiring connectivity. This box contains a listing of all of the wire diagrams that depict the circuits shown on that schematic. Circuits duplicated on this schematic are not listed in the reference box; they are listed on the home schematic for the circuit.

3. SYMBOLS

Symbols are used wherever possible to convey system function. The most commonly used symbols are shown on the Symbol pages in the General Chapter, 00-00-00.