

CABLE ASSEMBLIES								
DRAWING NO	REV	SYSTEM	EQUIP TYPE	QUANTITY			PRE A/W MOD DELETIONS	CL I ECR
				STD	OPT	SER		
8600200	A	AVIONICS SYSTEMS REF INFO	CESSNA	REF				
8601101-1	C	DUAL RMJ & STANBY CNTRL	HONEYWELL	1				
8601103-1	B	COMM 2 (RCZ-851E)	HONEYWELL	1				
8601107-1	B	COMM 1 (RCZ-851E)	HONEYWELL	1				
8601110-1	A	MAGNASTAR W/PERM HDSET	TELEDYNE		1			
8602101-1	C	ELT (ELT110-4)	ARTEX	1				
8603005-1	E	AIRCRAFT SYS PROGRAMMING	HONEYWELL	1				
8603101-1	D	NAV 1 (RNZ-850)	HONEYWELL	1				
8603102-1	A	NAV 2 (RNZ-850B)	HONEYWELL	1				
8604104-1	-	ADF 1 (DF-850)	HONEYWELL	1				
8607101-1	-	DME 1 (DM-850)	HONEYWELL	1				
8607102-1	-	DME 2 (DM-850)	HONEYWELL	1				
8608103-1	-	DUAL MODE S XPDR (XS-852)	HONEYWELL	1				
8608111-1	B	TCAS 2000 W/HW RADIOS	HONEYWELL		1			
8610101-1	E	HF COMM (KHF-950)	ALLIEDSIGNAL			1		
8611101-1	D	WEATHER RADAR	HONEYWELL	1				
8611103-1	C	RADAR ADAPTER CABLE	PRIMUS 880	1				
8611107-1	-	WX-950 STORMSCOPE	BF GOODRICH			1		
8612110-1	-	PILOT'S P-1000 DSPL/GUID	HONEYWELL	1				
8612102-1	E	CPLT'S P-1000 DSPL/GUID	HONEYWELL	1				
8612103-1	A	PILOT'S CONTROL WHEEL	CESSNA	1				
8612104-1	A	COPILOT'S CONTROL WHEEL	CESSNA	1				
8612105-1	C	PILOT'S CONTROL COLUMN	CESSNA	1				
8612106-1	B	COPILOT'S CONTROL COLUMN	CESSNA	1				
8612107-1	A	PILOT'S REV&AHS SWITCHES	CESSNA	1				
8612108-1	A	CPLT'S REV&AHS SWITCHES	CESSNA	1				
8612109-1	-	GO-AROUND SWITCH	CESSNA	REF				
8613101-1	E	DUAL MADC (AZ-850)	HONEYWELL	1				
8613102-1	F	B&D CABIN DISPLAY DISC	CESSNA	1				
8614101-1	-	DATA BUS (3-TUBE)	HONEYWELL	1				
8614103-1	-	MFD W/EGPWS	HONEYWELL		1			
8615109-1	A	AUDIO LH SIDE CONSOLE	CESSNA	REF				
8615110-1	A	AUDIO RH SIDE CONSOLE	CESSNA	REF				
8615111-1	-	MIC SELECT SWITCH	CESSNA	REF				
8615112-1	G	DUAL AUDIO W/ SPKR MUTE	HONEYWELL		1			
8615115-1	-	RADIO/AUDIO RSB BUSSING	HONEYWELL	1				
8616106-1	-	RAD ALT (ALT-55B) W/EGPWS	COLLINS		1			
8616110-1	-	EGPWS W/TCAS/DUAL FMS/OBS	ALLIEDSIGNAL		1			
8617101-1	H	AHRS 1 (LCR-93)	LITEF	1				
8617105-1	A	AHRS 2 (LCR-93 W/SYNCHRO)	LITEF	1				
8618102-1	C	5VDC LIGHTING DIST	CESSNA	1				
8618103-1	-	AVIONICS GROUND BLOCKS	CESSNA	1				
8618115-1	-	26VAC STATIC INVERTER	CESSNA			1		
8618128	-	AVN PWR DIST W/STORMSCOPE	CESSNA			REF		
8619101-1	F	EMERGENCY HSI (HSI-315B)	AERONETICS	1				
8622103-1	-	CVR (A-200S)	LORAL	1				
8623123-1	-	PERM DTU (UNS-1CSP)	UNIVERSAL		1			
8623156-1	A	UNS-1CSP FMS SYS PROG	UNIVERSAL	1				
8623143-1	-	FMS 1 (UNS-1SCP)	UNIVERSAL	1				
8623144-1	-	FMS 1 ADAPTER (UNS-1CSP)	UNIVERSAL	1				
8623145-1	A	FMS 2 (UNS-1CSP)	UNIVERSAL		1			
8623146-1	-	FMS 2 ADAPTER (UNS-1CSP)	UNIVERSAL		1			
8624101-1	B	AIRSHOW NETWORK FDC	AIRSHOW			1		

② AVIONICS CABLE KIT - XL-5075

REVISIONS			
SHT	LTR	DESCRIPTION	DATE APPROVED
2	A	BY REVISION: 1)ADDED 8654003-15. 2)ADDED NOTE FLAG 1. 3)DELETED NOTE FLAG 1. EFF:EC 565075 (B1)	10/07/99 SAS
1	B	BY REVISION: 1)EC 565075 WAS 565039. 2)ADDED TCAS 2000 MOD 7 TO SPECIAL SYS INSTL. 3)ADDED 8654006-39 DELETED 8654006-25. EFF:EC 565075	02/28/00 RRF

NOTES:

① HIRF ASSEMBLY TECHNIQUES ARE REQUIRED FOR ALL WIRES THAT TERMINATE AT THE IC-600 COMPUTER FROM INDICATED SYSTEMS INCLUDING WIRES GOING TO THE AVIONICS J-BOX BEFORE TERMINATING AT THE IC-600. THE HIRF HARDENED WIRES FROM INDICATED SYSTEMS MUST BE BUNDLED TOGETHER, IDENTIFIED WITH MS3367-1-0 BLACK TIE STRAPS AND ROUTED SEPERATELY FROM OTHER AVIONIC AND ELECTRICAL BUNDLES. DO NOT USE THESE BLACK TIE STRAPS TO SECURE BUNDLES TO OTHER BUNDLES OR STRUCTURE. SHIELD TERMINATION SHALL BE IN ACCORDANCE WITH CSAM012.

OPTIONAL SYSTEMS INSTALLED			
SYSTEM	VENDOR	TYPE	CL I ECR
CKPT SPKR MUTE	CESSNA	CTR PANEL	
DBL WIDE PED	CESSNA		
DIGITAL PHONE	MAGNASTAR	C-2000	
FMS 2 (PROV)	UNIVERSAL	UNS-1CSP	
GPWS	ALLIEDSIGNAL	ENHANCED	
PERM DTU	UNIVERSAL	1405-01-1	
RMT CABIN TEMP	CESSNA	CTR PANEL	
TCAS 2000	HONEYWELL	TCAS 2000	
APU	CESSNA	RH PANEL	

SPECIAL SYSTEMS INSTALLED			
SYSTEM	VENDOR	TYPE	CL I ECR
STORMSCOPE	BF GOODRICH	WX-950	
COLD SPARE AP	HONEYWELL	IC-600	
HF PROVISIONS	ALLIEDSIGNAL	KHF-950	
FDC	AIRSHOW	AS-400	
AFT BAG SMOKE DET	CESSNA	CTR PANEL	
TCAS 2000	HONEYWELL	S/W MOD 7	

PRE A/W MODIFICATIONS - SYSTEMS INSTALLED				
A/C/D	SYSTEM	VENDOR	TYPE	CL I ECR

A = ADDITIONS C = CHANGES D = DELETIONS

2. BOTH AURAL WARNING UNITS & PRIMUS II AUDIO PANELS REQUIRE ADJUSTMENT AS FOLLOWS:

1287-1-2 AURAL WARN UNIT ONLY HAS A SINGLE AMPLITUDE ADJUSTMENT. LOAD OUTPUT WITH 600Ω RESISTIVE LOAD OR PRIMUS II AUDIO PANEL.

SIGNAL	INPUT PIN	SIGNAL OUTPUT PINS	SIGNAL**
AP/OFF	5	GND 13(H)&25(L)	3.0 -0, +0.4Vpp
O'SPEED*	17	GND 13(H)&25(L)	3.0 -0, +0.4Vpp
ALT ALRT	18	GND 13(H)&25(L)	3.0 -0, +0.4Vpp

* GATED ON/OFF @ APPROX 3.8 Hz
** MEASURE WITH OSCILLOSCOPE

PRIMUS II AUDIO PANEL. USE HONEYWELL RTSU & PROCEDURES TO MAKE ADJUSTMENTS.

OUTPUT SIGNAL-CKOCPIT SPEAKERS

INPUT SIGNAL	ADJUSTMENT	OUTPUT SIGNAL-SPEAKER
2.5 ±0.1Vrms INTO WARN #2	WARN #2(TCAS)	2.0 ±0.1Vrms
2.5 ±0.1Vrms INTO WARN #3	WARN #3(AURALS)	0.8 ±0.05Vrms
2.5 ±0.1Vrms INTO WARN #5	WARN #5(EGPWS)	1.2 ±0.1Vrms

OUTPUT SIGNAL-HEADPHONES

INPUT SIGNAL	ADJUSTMENT	OUTPUT SIGNAL-HEADPHONES
2.5 ±0.1Vrms INTO WARN #2	PHONE WARN LEVEL	2.2 ±0.1Vrms

3. TEMPORARILY INSTALL CDBR-1 P/N 724864-801 (REF), CAS P/N 725256-801 (REF), & HANDSET P/N 724866-806WH (REF) FOR IN-LINE TEST PURPOSES. PROVIDE APPROPRIATE WIRE LENGTHS TO REACH PERMANENT EQUIPMENT INSTALLATION LOCATIONS.

④ HF IS PARTIAL PROVISIONS. THE ANTENNA AND ASSOCIATED HARDWARE ARE TO BE REMOVED AND DELIVERED WITH THE AIRCRAFT. BAG AND STOW ALL LOOSE CONNECTIONS AND/OR CONNECTORS.

CCD DWG DO NOT SCALE / ~~XXXXXXXXXX~~

DATE	09/14/99	CITATION EXCEL AVIONICS INSTALLATION KIT XL-5075
DRAWN	ANDY SEATON	
GROUP		SEE AUTHORIZED SIGNATURE PAGE
CHECK		
SECT		8685075
PROJ		
M. E.		D71379
FABRICATE PER		
PROCESS PER		8685075
WIRE TERMINATION PER		
SIZE	CODE IDENT. NO. DRAWING NO.	SHEET 1 OF 2
SCALE	0	

8685075 B

EQUIPMENT INSTALLATION							
DRAWING NO	SYSTEM	EQUIP TYPE	QUANTITY			PRE A/W MOD DELETIONS	CL I ECR
			STD	OPT	SER		
6665135	DOUBLE WIDE PEDESTAL INSTL	CESSNA		REF			
8612001-2	WARNING HORN BRACKET INSTL	CESSNA	1				
8612001-3	DIGITAL PHONE HORN INSTL	CESSNA		1			
8613001-1	TEMPERATURE PROBE INSTL	ROSEMONT	1				
8613001-2	TEMP PROBE RELAY INSTL	CESSNA	1				
8615001-1	COCKPIT MICROPHONE INSTL	TELEX	1				
8615001-2	RH MIC JACK & HEADSET INSTL	TELEX	1				
8615001-3	LH MIC JACK & HEADSET INSTL	TELEX	1				
8617002-1	FLUX DET SHIELD INSTL LH	CESSNA	1				
8617002-2	FLUX DET SHIELD INSTL RH	CESSNA	1				
9617034-1	FLUX DETECTOR INSTL LH	FX-220	1				
9617034-2	FLUX DETECTOR INSTL RH	FX-220	1				
8654002-1	RADIO ALTIMETER EQUIP INSTL	ALT-55B	1				
8654005-2	CVR INSTL	A200S	1				
8654005-4	EGPWS EQUIP INSTL	CESSNA		1			
8654005-5	STRUCTURE INSTL- UPPER TC	CESSNA	1				
8654005-18	HF COMM INSTL (PROV)	ALLIEDSIGNAL			1		
8654006-7	MAGNASTAR ARTU INSTL	CM-2000		1			
8654006-39	TCAS 2000 INSTL(CHANGE 7)	HONEYWELL			1	8654006-25	
8654008-3	AUDIO DISCRETE MODULE INSTL	CESSNA	1				
8654008-10	CABIN LOGIC BOX INSTL	CESSNA	1				
8654008-11	HF RELAY BOX INSTL	CESSNA			1		
8654014-4	PEDESTAL CONN BRACKET INSTL	CESSNA	1				
8654015-1	AURAL WARNING BOX INSTL	CESSNA	1				
8654022-2	DU-870 TRAY INSTL - RH	HONEYWELL	1				
8654022-3	DU-870 TRAY INSTL - CTR	HONEYWELL	1				
8654022-24	DU-870 TRAY INSTL - LH	HONEYWELL	1				
8654023-7	NAV #1 W/ADF INSTL	HONEYWELL	1				
8654023-9	NAV #2 INSTL	HONEYWELL	1				
8654023-11	COMM INSTL W/DIV (8.33)	HONEYWELL		1			
8654023-16	IC-600 W/TCAS/AP INSTL	HONEYWELL			1		
8654023-17	STD AVIONICS NOSE EQUIP	CESSNA	1				
8654023-26	AHRS #1 INSTL	LITEF	1				
8654023-28	AHRS #2 INSTL W/SYNCHRO	LITEF			1		
8654070-2	ICB/RS232 TEST PORT INSTL	DUAL-PED		1			
8654111-11	STATIC INVERTER INSTL	CESSNA			1		
8654500-1	GROUND BLOCK/STUD INSTL	CESSNA	1				
8654501-14	AVN NOSE WIRE ROUTING	CESSNA	1				
8654505-13	AVN CABIN WIRE ROUTING	CESSNA	1				
8654506-2	AVN TAILCONE WIRE ROUTING	CESSNA	1				
8664103-1	LH FWD FDTHRU PLATE INSTL	CESSNA		1			
8664213-1	RH FWD FDTHRU PLATE INSTL	CESSNA		1			
8664304-1	LH AFT FDTHRU PLATE INSTL	CESSNA	1				
8664423-1	RH AFT FDTHRU PLATE INSTL	CESSNA			1		
8685075-2	AVIONICS CABLE KIT				1		
9654610-1	CTRL COLUMN BUSHING INSTL	CESSNA	1				
9602010-15	EMERGENCY LOC XMTR INSTL	ELT110-4	1				

① AVIONICS INSTALLATION KIT - XL-5075

PANEL ASSEMBLIES

REVISIONS	
ZONE/LTR	DESCRIPTION

DRAWING NO	PANEL	EQUIP TYPE	QUANTITY			PRE A/W MOD DELETIONS	CL I ECR
			STD	OPT	SER		
8651026-1	LH INSTR PNL	CESSNA		1			
8652095-1	CTR INSTR PNL	CESSNA			1		
8653041-1	RH INSTR PNL	CESSNA		1			
8659062-1	PEDESTAL	CESSNA			1		

C/B INSTL


DRAWING NO	SYSTEM	QUANTITY			PRE A/W MOD DELETIONS	CL I ECR
		OPT	SER	SER		
8654003-1	FMS #2		1			
8654003-2	TCAS		1			
8654003-3	EGPWS		1			
8654003-7	HF COMM			1		
8654003-15	AHRS 2 AC			1		
8654003-23	STORMSCOPE			1		
8654003-24	INVERTER			1		
8654003-26	DIGITAL PHONE		1			

ANTENNA INSTALLATION

DRAWING NO	SYSTEM	EQUIP TYPE	QUANTITY			PRE A/W MOD DELETIONS	CL I ECR
			STD	OPT	SER		
8601005-1	COMM 1	S65-8282-1	1				
8601002-4	COMM 2	21-38-1RF/36	1				
8601004-1	DIGITAL PHONE	MAGNASTAR		1			
8602001-1	LOCATOR BCN	DM018-3	1				
8603002-2	GLIDESLOPE	RGS10-48	1				
9603035-1	NAV 1 & 2	DMN4-17/P	1				
8604001-1	ADF 1	AT-860	1				
8605001-4	MARKER BEACON	31-10-01	1				
8607001-1	DME 1	DMN150-2-2	1				
8607002-1	DME 2	DMN150-2-2	1				
8608001-1	XPDR 2	DMN150-2-2	1				
8608002-1	XPDR 1	DMN150-2-2	1				
8608005-1	DIV XPDR 1	DMN150-2-2		1			
8608005-2	DIV XPDR 2	DMN150-2-2		1			
8608007-1	TCAS LOWER	7514081-910		1			
8608008-1	TCAS UPPER	7514081-910		1			
8610001-5	HF COMM	KHF-950			1		
8610017-55	HF ANT COVER	CESSNA			1		
8611001-2	RADAR R/T	PRIMUS 880	1				
8611006-1	STORMSCOPE	WX-950			1		
8616001-1	RAD ALT	S67-2002	1				
8623001-1	GPS 1	071-01553-0200	1				
8623002-1	GPS 2	071-01553-0200		1			

④

CCD DWG DO NOT SCALE / SEE SEPARATE PARTS LIST

DATE	09/14/99	CESSNA AIRCRAFT COMPANY AIRCRAFT DIVISION P.O. BOX 7704 WICHITA KANSAS 67277		
DRAWN	ANDY SEATON	TITLE: CITATION EXCEL AVIONICS INSTALLATION KIT XL-5075		
GROUP		SIZE		
CHECK		CODE IDENT. NO.		
SECT		DRAWING NO.		
PROJ		SCALE		
M. E.		FABRICATE PER		
		PROCESS PER		
		WIRE TERMINATION PER		
		SCALE 0		
		D71379		8685075
		SHEET 2 OF 2		

8685075 B