EAGLE TECHNICAL BULLETIN

REF. TCCA STC: SH21-44

Eagle Technical Bulletin Number: TB-E212-2006-1

Purpose: To provide instructions for the Installation of the Garmin GTN 650 / 750 Systems while the approved GTN 650H Xi / 750H Xi are reviewed by JCAB.

Eligible Serial Numbers: 31265

<u>Compliance:</u> Temporary until Garmin GTN 650H Xi / 750H Xi receives JCAB approval.

Description: This Technical Bulletin (TB) provides the information required for the installation of the Garmin GTN 650 / 750 Systems.

Parts List:

ITEM	QTY -011	QTY -013	PART NUMBER	DESCRIPTION
	Х		TB-E212-2006-011	Garmin GTN 650 GPS/COM/NAV
		Х	TB-E212-2006-013	Garmin GTN 750 GPS/COM/NAV
1	1		011-02256-00 *	GTN 650
2		1	011-02282-00 *	GTN 750

* MOD 7 (Garmin P/N 011-04950-01) must be incorporated to meet the exclusions for DO-227A.

Weight and Balance:

ITEM	WEIGHT	LATERAL		LONGITUDINAL	
		Arm	Moment	Arm	Moment
E2006-99-3 Garmin GPS / NAV / COMM Kit	20.37	-0.47	-9.59	73.99	1507.22
Removed GTN 650H Xi and GTN 750H Xi	-12.60	-	-	-	-
Installed GTN 650 and GTN 750	12.90	-	-	-	-
E2006-99-3 Garmin GPS / NAV / COMM Kit (New Total)	20.67	-0.47	-9.71	73.99	1529.37

AVIONICS DESIGN SERVICES APPROVED FOR RELEASE

28-Jan-2022 DATE

ORIGINAL IN RED

В	REVISE	ED APPENDIX	B TO ADD A PAGE TO FMS	KB	2022-01-27
A	NEW IS	SUE		KB	2022-01-04
REV		DE	SCRIPTION	BY	DATE
DESIGN	l	KB	EAGLE COPTERS LTD		
DRAWN	DRAWN		CALGARY, AB, CANADA		
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MFG. APPR.		CD	TB-E212-2006-1		SHEET 1 OF 18
RELEAS	RELEASED		TITLE		
DE APP	DE APPR.		GARMIN GIN 650 / 75	USYSTE	MINSIL
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Installation Procedure:

- 1. Remove the GTN 750H Xi from the Center Instrument Panel in accordance with Section 4.10.2 of the Garmin GTN Xi Series TSO Installation Manual.
- 2. Install the GTN 750 in the Center Instrument Panel in accordance with Section 4.10.2 of the Garmin GTN 725/750 TSO Installation Manual.
- 3. Remove the GTN 650H Xi from the Center Instrument Panel in accordance with Section 4.10.2 of the Garmin GTN Xi Series TSO Installation Manual.
- 4. Install the GTN 650 in the Center Instrument Panel in accordance with Section 4.10.2 of the Garmin GTN 625/635/650 TSO Installation Manual.
- 5. Configure the GTN 650 and GTN 750 in accordance with the Configuration Section below.
- 6. Complete the test procedure for the GTN 650 and GTN 750 in accordance with Section 6 of TR-E212-2006-3 Rev. A.
- Complete the EMI/EMC/RFI Test for the GTN 750 in in accordance with Section 11.5 of TR-E212-2006-3 Rev. A
- Complete the EMI/EMC/RFI Test for the GTN 650 in in accordance with Section 11.6 of TR-E212-2006-3 Rev. A
- 9. Insert the temporary ICA revision as indicated in Instructions for Continued Airworthiness Section.
- 10. Insert the temporary FMS revision as indicated in Flight Manual Supplement Section.
- 11. Insert the temporary Electrical Load Analysis (ELA) as indicated in Electrical Load Analysis Section.
- 12. Make an entry into the aircraft technical reports to indicate TB-E212-2006-1 has been completed.
- 13. Notify Eagle Copters that this Technical Bulletin has been accomplished by filling out the attached form (Sheet 18) and emailing it to Eagle Copters.

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MFG. APPR.	CD	TB-E212-2006-1	SHEET 2 OF 18
RELEASED	KB		
DE APPR.		GARMIN GTN 650 / 750 SYSTEM INSTL	
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Garmin GTN 650 Configuration:

GTN SETUP		
ARINC 429 MENU		
PARAMETER	CONFIGURATION	
	SPEED	DATA
ARINC 429 IN 1	LOW	OFF
ARINC 429 IN 2	HIGH	OFF
ARINC 429 OUT 1	LOW	OFF
ARINC 429 OUT 2	LOW	OFF
SDI	COMMON	·
SERIAL (RS-232) MENU		
PARAMETER	CONFIGURATION	
	INPUT	OUTPUT
RS-232 1	OFF	OFF
RS-232 2	OFF	OFF
RS-232 3	OFF	OFF
RS-232 4	OFF	OFF
HSDB MENU		
PARAMETER	CONFIGURATION	
ETHERNET PORT 1	NOT CONNECTED	
ETHERNET PORT 2	CONNECTED	
ETHERNET PORT 3	NOT CONNECTED	
ETHERNET PORT 4	NOT CONNECTED	
INTERFACED EQUIPMENT	MENU	
UNIT	PRESENT	SETTINGS
CROSS-SIDE NAVIGATOR	PRESENT	GTN
GDL 69/69A	NOT PRESENT	N/A
GDL 88	NOT PRESENT	N/A
ADS-B IN SOURCE	NOT PRESENT	N/A
GDU #1	PRESENT	GDU TXi
GDU #2	PRESENT	GDU TXi
GDU #3	NOT PRESENT	N/A
GDU #4	NOT PRESENT	N/A
GI 275	NOT PRESENT	N/A
TRANSPONDER #1	PRESENT (1)	GTX MODE S+ (2)
TRANSPONDER #2	NOT PRESENT	N/A
GSR 56	NOT PRESENT	N/A

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MAIN INDICATOR MENU					
PARAMETER		CONFIGURATION			
SELECTED COURSE		CONFIGURATION NOT REQUIRED			
CALIBRATE OBS RESOLVER		CALIBRATE			
CDI KEY		ENABLED			
SELECTED COURSE FOR GPS	3	ALLOWED			
SELECTED COURSE FOR		ALLOWED			
VOR/LOC					
V-FLAG STATE		NORMAL			
ENHANCED LIGHTING MENU					
SOURCE SETTING					
SOURCE SELECTION	INF	PUT TYPE	RESPONSE TIME		
LIGHTING BUS 1	28	/ DC	2 SEC		
LIGHTING BUS 2	28	/ DC	2 SEC		
PHOTOCELL	N/A	A	2 SEC		
DISPLAY SOURCE	LIC	HTING BUS 1			
KEYS SOURCE	LIC	HTING BUS 1			
DAY MODE OPERATION					
DISPLAY WINDOW					
PARAMETER	CO	NFIGURATION			
MINIMUM LEVEL	1.0	0%			
MAXIMUM LEVEL	80.	00%			
PHOTOCELL OVERRIDE WINI	DOM	1			
PARAMETER	CO	NFIGURATION			
PHOTOCELL TRANSITION	5.0	%			
KEY BACKLIGHT CUTOFF	80.	0%			
KEYS WINDOW					
PARAMETER	CO	NFIGURATION			
MINIMUM LEVEL 10.		00%			
MAXIMUM LEVEL 80.		.00%			
DISPLAY CONFIGURE CURVE	SU	B-MENU			
PARAMETER	CO	NFIGURATION			
VERTEX 1	6.0	, 1.0			
VERTEX 2	40.	0, 5.0			
VERTEX 3	85.	0, 17.5			
VERTEX 4	99.	0, 80.0			

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KEYS CONFIGURE CURVE SI	JB-MENU	
PARAMETER	CONFIGU	IRATION
VERTEX 1	20.0, 20.0	
VERTEX 2	40.0, 40.0	
VERTEX 3	60.0, 40.0	
VERTEX 4	80.0, 40.0	
Configuration of the dimming cu	irve may ne	ed to be adjusted per aircraft. Use the instructions
contained in Garmin GTN 725/7	'50 TSO Ins	tallation Manual Section 6.6.6 to make any
necessary adjustments to match	n the display	response to the other indicators and displays.
AUDIO MENU		
PARAMETER CONFIG	URATION	
ALERT VOLUME 77% (OF	R AS DESIR	RED TO BE WELL HEARD IN HEADSETS)
Configuration of the audio funct	ion may nee	ed to be adjusted per aircraft. Make the level
adjustment as desired. Audio al	erts must be	e loud, attention getting, and clearly intelligible
under all cockpit noise condition	is. Audio ale	erts should be set slightly louder than the normal
Volume of COM and intercom tra	ansmissions	s and cannot mask higher priority aircraft alerts or
norns.		
VOICE COMMAND PARAMET		
TRAFFIC MENU	RED	
		NEIGURATION
GTN CONTROL OF TRAFFIC	VES	λ
SYSTEM		
MAIN SYSTEM MENU		
PARAMETER		CONFIGURATION
AIRFRAME TYPE		ROTORCRAFT
AIR/GROUND THRESHOLD		20 KTS
AIR GROUND DISCRETE		ACTIVE FOR GROUND
GPS ANTENNA HEIGHT ABO	/E	
GROUND		17.0 FT
FUEL TYPE		JET A
GPS SELECT		AUTO
HEADING SOURCE INPUT		CONNECTED
RADIO ALTIMETER INPUT		CONNECTED (3)
ALTITUDE SOURCE INPUT		CONNECTED
ENHANCED LIGHTING MODE		ENABLED
CROSSEILL STATUS ALERT		ENABLED

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DATABASE SYNC		ENABLED			
AIRSPACE LABELS		ENABLED			
CHECKLIST PAGE TITLE		CHECKLIST			
BLACKOUT MODE		DISABLED			
EXTERNAL FLIGHT PLAN		DISABLED			
REMOTE DB CONFIRMATION	١	DISABLED			
COM MENU					
PARAMETER	CONFIG	URATION			
COM RADIO	ENABLE	D			
RX SQUELCH MODE	ADVANC	ED			
MIC 1 GAIN	+ 18 dB				
SIDESTONE SOURCE	INTERN/	AL			
SIDESTONE VOLUME	+ 20.0 dE	3			
SIDETONE PILOT	ENABLE	D			
CONTROL					
RX SQUELCH SUB-MENU					
		25 KHz			
LOW	30%				
MID	30%				
HIGH	57%				
8.33 KHz					
LOW	57%				
MID	57%				
HIGH 57%					
CARRIER SQUELCH SUB-MENU					
25KHZ CARRIER SQUELCH	0%				
8.33KHZ CARRIER	0%				
SQUELCH					
VOR/LOC/GS MENU					
PARAMETER		CONFIGURATION			
NAV RADIO		ENABLED			
SELECTED COURSE					
CALIBRATE OBS RESOLVER		CALIBRATE			
ARINC 429 CONFIGURATION	Γx	HIGH			
SPEED					
ARINC 429 CONFIGURATION	SDI	VUR/ILS 2			
DME MODE		DIRECTED FREQ 1 (4)			
DME CHANNEL MODE		KING SERIAL (4)			
FILTERED LOC/GS		DISABLED			
NAV RADIO DISPLAY TIMEO	UT	ENABLED			
ARINC 708 MENU					
NO CONFIGURATION REQUI	RED				

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DISCRETES MENU		
PARAMETER	FUNCTION	DIRECTION
J1001-16	OFF	IN
J1001-36	OFF	IN
J1001-37	OFF	IN
J1001-38	OFF	IN
J1001-39	OFF	IN
J1002-01	DEMO MODE SELECT	IN
J1002-10	OFF	IN
J1002-11	OFF	IN
J1001-14	OFF	OUT
J1001-15	GPS ANNUNCIATE	OUT
J1001-33	OFF	OUT
J1001-34	OFF	OUT
	TAWS AUDIO ACTIVE	OUT
J1001-35	ANNUNCIATE	001
J1001-52	VLOC ANNUNCIATE	OUT
J1001-53	OFF	OUT
J1001-54	OFF	OUT
J1001-55	OFF	OUT
J1001-56	ILS/GPS APPROACH ANNUNCIATE	OUT
J1001-57	OFF	OUT
J1001-71	OFF	OUT
J1001-72	OFF	OUT
J1001-73	OFF	OUT
J1001-74	OFF	OUT
J1001-75	OFF	OUT
J1002-76	OFF	OUT
J1002-03	OFF	OUT
J1002-12	OFF	OUT
NAVIGATION FEATURES ME	NU	•
PARAMETER	CONFIGURATION	
MARK ON TARGET	DISABLED	
RF PROCEDURE LEGS	DISABLED	

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VERTICAL NAVIGATION CO	NFIGURE	E SUB-MENU
VERTICAL NAVIGATION TYP	PE WIND	OW
PARAMETER	CONFIG	GURATION
VCALC	OFF / D	DISABLED (GREEN BAR EXTINGUISHED)
VNAV	ON / EN	NABLED (GREEN BAR ILLUMINATED)
TRANSITION TO APPROACH	ON / EN	NABLED (GREEN BAR ILLUMINATED)
TRANSITION ALTITUDE	FL180	
VDI SCALE	500 FT	
OWNSHIP MENU		
PARAMETER	CONFIG	GURATION
COLOR OWNSHIP	WHITE	
AIRCRAFT PICTURE	2-BLAD	E ROTORCRAFT
FLIGHT STREAM MENU		
PARAMETER		CONFIGURTAION
STREAM ACTIVE FLIGHT DA	TA	ENABLED
TRANSFER PAST FLIGHT DA	ATA	ENABLED
LOGS		
GTN OPTIONS		
TERRAIN MENU		
PARAMETER	CONFIG	GURATION
HTERRAIN PROXIMITY	ON / EN	VABLED (GREEN BAR ILLUMINATED)
HTERRAIN ALERTING	OFF / D	DISABLED (GREEN BAR EXTINGUISHED)
HTAWS	OFF / D	DISABLED (GREEN BAR EXTINGUISHED)
ALERT CONFIGURATION W	NDOW	
PARAMETER	CONFIG	GURATION
AUDIO CLIPS	GREYE	DOUT
ALERT SETTINGS	GREYE	D OUT
CHARTS MENU		
PARAMETER	CONFI	GURATION
NONE	ON / EN	NABLED (GREEN BAR ILLUMINATED)
FLITECHARTS	OFF / D	DISABLED (GREEN BAR EXTINGUISHED)
CHARTVIEW	OFF / D	DISABLED (GREEN BAR EXTINGUISHED)
COM TRANSMIT POWER ME	NU	
PARAMETER	CONFI	GURATION
NORMAL	ON / EN	NABLED (GREEN BAR ILLUMINATED)
16W	OFF / D	DISABLED (GREEN BAR EXTINGUISHED)
WEATHER RADAR MENU		
PARAMETER	CONFI	GURATION
DIGITAL RADAR	OFF / D	DISABLED (GREEN BAR EXTINGUISHED)
TURBULENCE DETECTION	OFF / D	DISABLED (GREEN BAR EXTINGUISHED)
GROUND CLUTTER SUPPRESSION	OFF / D	DISABLED (GREEN BAR EXTINGUISHED)

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FLIGHT SIMULATOR MENU				
PARAMETER	CONFIGURATION			
FLIGHT SIMULATOR	OFF / DISABLED (GREEN BAR EXTINGUISHED)			
SEARCH AND RESCUE				
PARAMETER	CONFIGURATION			
SEARCH AND RESCUE	OFF / DISABLED (GREEN BAR EXTINGUISHED)			
SAR PATTERNS WINDOW				
PARALLEL TRACK	OFF / DISABLED (GREEN BAR EXTINGUISHED)			
EXPANDING SQUARE	OFF / DISABLED (GREEN BAR EXTINGUISHED)			
SECTOR SEARCH	OFF / DISABLED (GREEN BAR EXTINGUISHED)			
ORBIT	OFF / DISABLED (GREEN BAR EXTINGUISHED)			
SAR STATUS	LOCKED			
GTN DIAGNOSTICS				
NO CONFIGURATION REQUI	RED			
GTN EXTERNAL SYSTEMS				
GDL 69 MENU				
NO CONFIGURATION REQU	RED			
STORMSCOPE MENU				
NO CONFIGURATION REQUI	RED			
IRAFFIC MENU				
NO CONFIGURATION REQUI	RED			
GAD 42 MENU				
NO CONFIGURATION REQUI	RED			
SYSTEM CONFIGURED USIN				
AUDIO PANEL MENU				
NO CONFIGURATION REQUI	RED			
GSR 56 MENU				
NO CONFIGURATION REQUIRED				
WEATHER RADAR MENU				
NO CONFIGURATION REQUI	RED			
1) For LRU Options -101/-107/-109 : "NOT PRESENT"				
2) For LRU Options -101/-107/-109 : N/A				
4) For LRU Options -101/-103/-105/-105/-107/-11	1/-115 : Default settings			
5) For LRU Options -101/-107/-109 : "NO C	ONFIGURATION REQUIRED"			

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Garmin GTN 750 Configuration:

GTN SETUP		
ARINC 429 MENU		
PARAMETER	CONFIGURATION	
	SPEED	DATA
ARINC 429 IN 1	LOW	OFF
ARINC 429 IN 2	LOW	OFF
ARINC 429 IN 3	LOW	OFF
ARINC 429 IN 4	LOW	OFF
ARINC 429 OUT 1	HIGH	ARINC 429
ARINC 429 OUT 2	LOW	OFF
ARINC 429 OUT 3	LOW	OFF
SDI	COMMON	
SERIAL (RS-232) MENU		
PARAMETER	CONFIGURATION	
	INPUT	OUTPUT
RS-232 1	GTX Mode S+ #1 (1)	GTX Mode S+ #1 (1)
RS-232 2	OFF	OFF
RS-232 3	OFF	OFF
RS-232 4	OFF	OFF
RS-232 5	OFF	OFF
RS-232 6	OFF	OFF
MORE RS-232 SETUP	FORWARD ALT TO GTX ENABLED	
HSDB MENU		
PARAMETER	CONFIGURATION	
ETHERNET PORT 1	NOT CONNECTED	
ETHERNET PORT 2	CONNECTED	
ETHERNET PORT 3	CONNECTED	
ETHERNET PORT 4	NOT CONNECTED	
INTERFACED EQUIPMENT N	NENU	
UNIT	PRESENT	SETTINGS
CROSS-SIDE NAVIGATOR	PRESENT	GTN
GDL 69/69A	NOT PRESENT	N/A
GDL 88	NOT PRESENT	N/A
ADS-B IN SOURCE	NOT PRESENT	N/A
GDU #1	PRESENT	GDU TXi
GDU #2	PRESENT	GDU TXi
GDU #3	NOT PRESENT	N/A
GDU #4	NOT PRESENT	N/A
GI 275	NOT PRESENT N/A	
TRANSPONDER #1	PRESENT (2)	GTX MODE S+ (3)
TRANSPONDER #2	NOT PRESENT	N/A

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DE APPR.		GARMIN GTN 650 / 750 SY	STEMINSTL
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GSR 56	NOT	PRESENT	N/A
GWX	NOT	PRESENT	N/A
MAIN INDICATOR MENU			
PARAMETER		CONFIGURATION	
SELECTED COURSE		CONFIGURATION NOT	REQUIRED
CALIBRATE OBS RESOLVE	ER	CALIBRATE	
CDI KEY		ENABLED	
SELECTED COURSE FOR	GPS	ALLOWED	
SELECTED COURSE FOR		ALLOWED	
VOR/LOC			
V-FLAG STATE		NORMAL	
ENHANCED LIGHTING ME	NU		
SOURCE SETTINGS			
PARAMETER	CON	IFIGURATION	
DISPLAY SOURCE	LIGH	ITING BUS 1	
KEYS SOURCE	LIGH	ITING BUS 1	
PARAMETER	INPU	JT TYPE	RESPONSE TIME
LIGHTING BUS 1	28V	DC	2 SEC
LIGHTING BUS 2	28V	DC	2 SEC
PHOTOCELL N/A			2 SEC
DAY MODE OPERATION			
PHOTOCELL OVERRIDE V	VINDOW	1	
PARAMETER	CON	IFIGURATION	
PHOTOCELL TRANSITION 5.0%		0	
KEY BACKLIGHT CUTOFF 80.0		%	
DISPLAY WINDOW			
PARAMETER	CON	IFIGURATION	
MINIMUM LEVEL	10.0	0%	
MAXIMUM LEVEL	80.0	0%	
KEYS WINDOW			
PARAMETER	CON	IFIGURATION	
MINIMUM LEVEL	10.0	0%	
MAXIMUM LEVEL	80.0	0%	
DISPLAY CONFIGURE CU	RVE SU	B-MENU	
PARAMETER	CONFI	GURATION	
VERTEX 1	10.5, 10	0.0	
VERTEX 2	16.0, 20	6.5	
VERTEX 3	35.0, 53	3.0	
VERTEX 4	99.0, 80	0.0	

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KEYS CONFIGURE CURV	E SUB-ME	NU	
PARAMETER	CONFIG	URATION	
VERTEX 1	10.5, 10.0	0	
VERTEX 2	16.0, 26.	5	
VERTEX 3	35.0, 53.0	0	
VERTEX 4	99.0, 80.0	0	
Configuration of the dimmin	g curve ma	ay need to be ad	justed per aircraft. Use the instructions
contained in Garmin GTN 6	25/635/650	TSO Installatio	n Manual Section 6.6.6 to make any
necessary adjustments to n	natch the di	isplay response	to the other indicators and displays.
AUDIO MENU			
PARAMETER COM	NFIGURAT	ION	
ALERT VOLUME 52%	o (OR AS D	ESIRED TO BE	WELL HEARD IN HEADSETS)
Configuration of the audio f	unction ma	y need to be adj	usted per aircraft. Make the level
adjustment as desired. Aud	io alerts mι	ust be loud, atte	ntion getting, and clearly intelligible
under all cockpit noise conc	litions. Aud	lio alerts should	be set slightly louder than the normal
volume of COM and interco	m transmis	sions and canno	ot mask higher priority aircraft alerts or
horns.			
VOICE COMMAND PARAI	METERS		
NO CONFIGURATION REC			
TRAFFIC MENU			
PARAMETER		CONFIGURAT	ION
TRAFFIC INTRUDER SYM	BOL	CYAN	
COLOR			
GTN CONTROL OF TRAFF	FIC	YES	
SYSTEM			
MAIN SYSTEM MENU			
PARAMETER			CONFIGURATION
AIRFRAME TYPE			ROTORCRAFT
AIR/GROUND THRESHOL	D (0 TO 99	9)	20 KTS
AIR GROUND DISCRETE			ACTIVE FOR GROUND
GPS ANTENNA HEIGHT (F	FT) ABOVE	GROUND	
(0.0-99.9)			8.0 FT
FUEL TYPE			JET A
SYNCHRO HEADING INPU	JT		NOT CONNECTED
GPS SELECT			AUTO
HEADING SOURCE INPUT			CONNECTED
RADIO ALTIMETER INPUT	-		CONNECTED (4)
ALTITUDE SOURCE INPU	Т		CONNECTED
ENHANCED LIGHTING MC	DDE		ENABLED
PILOT POSITION			RIGHT
CROSSFILL STATUS ALE	RT		ENABLED
SYSTEM ID			GTN 1

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DATABASE SYNC SETTINGS	;		PILOT CONTROL
AIRSPACE LABELS			ENABLED
CHECKLIST PAGE TITLE			CHECKLIST
BLACKOUT MODE			DISABLED
EXTERNAL FLIGHT PLAN			DISABLED
REMOTE DATABASE CONFI	RMATION		DISABLED
COM MENU			
PARAMETER	CONFIG	URATION	
COM RADIO	ENABLE	Ð	
RX SQUELCH MODE	ADVANO	CED	
MIC 1 GAIN	+ 12 dB		
SIDESTONE SOURCE	INTERN	AL	
SIDESTONE VOLUME	+ 25.0 d	В	
SIDETONE PILOT	ENABLE	Ð	
CONTROL			
RX SQUELCH SUB-MENU			
		25 KHz	
LOW	30%		
MID	30%		
HIGH	30%		
	. <u></u>	8.33 KHz	
LOW	30%		
MID	30%		
HIGH	30%		
CARRIER SQUELCH SUB-MI	ENU		
25KHZ CARRIER SQUELCH	0%		
8.33KHZ CARRIER	0%		
SQUELCH			
VOR/LOC/GS MENU			
PARAMETER		CONFIGURA	TION
NAV RADIO		ENABLED	
SELECTED COURSE			
CALIBRATE OBS RESOLVER	1	CALIBRATE	
ARINC 429 CONFIGURATION	I Tx	HIGH	
SPEED			
ARINC 429 CONFIGURATION	SDI	VOR/ILS 1	
DME MODE		DIRECTED F	REQUENCY 1 (5)
DME CHANNEL MODE		KING SERIA	L (5)
FILTERED LOC/GS		DISABLED	
NAV RADIO DISPLAY TIMEOUT		ENABLED	

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ARINC 708 MENU			
PARAMETER		CONFIGURATION	
PORT 1: EXTERNAL V	VEATHER	OFF	
RADAR			
DISCRETES MENU			
PARAMETER	FUNCTI	ON	DIRECTION
J1001-16	OFF		IN
J1001-36	TAWS A		IN
J1001-37	OFF		IN
J1001-38	OFF		IN
J1001-39	OFF		IN
J1002-01	DEMO N	NODE SELECT	IN
J1002-10	OFF		IN
J1002-11	OFF		IN
J1005-33	SYNCH	RO VALID - LOW	IN
J1005-53	OFF		IN
J1005-54	SYNCH	RO VALID - HIGH	IN
J1001-14	OFF		OUT
J1001-15	GPS AN	INUNCIATE	OUT
J1001-33	OFF		OUT
J1001-34	OFF		OUT
	TAWS A	UDIO ACTIVE	
J1001-35	ANNUN	CIATE	001
J1001-52	VLOC A	NNUNCIATE	OUT
J1001-53	OFF		OUT
J1001-54	OFF		OUT
J1001-55	OFF		OUT
	ILS/GPS	S APPROACH	
J1001-56	ANNUN	CIATE	OUT
J1001-57	OFF		OUT
J1001-71	OFF		OUT
J1001-72	OFF		OUT
J1001-73	OFF		OUT
J1001-74	OFF		OUT
J1001-75	OFF		OUT
J1001-76	OFF		OUT
J1002-03	OFF		OUT
J1002-12	OFF		OUT
J1005-13	OFF		OUT
J1005-34	OFF		OUT

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NAVIGATION FEATURES MENU			
PARAMETER	CONFIGURATION		
MARK ON TARGET	DISABLED		
RF PROCEDURE LEGS	DISABLED		
VERTICAL NAVIGATION CONFIGU	JRE SUB-MENU		
VERTICAL NAVIGATION TYPE WI	NDOW		
PARAMETER	CONFIGURATION		
VCALC	OFF / DISABLED (GREEN BAR EXTINGUISHED)		
VNAV	ON / ENABLED (GREEN BAR ILLUMINATED)		
TRANSITION TO APPROACH	ON / ENABLED (GREEN BAR ILLUMINATED)		
TRANSITION ALTITUDE	FL180		
VDI SCALE	500 FT		
OWNSHIP MENU			
PARAMETER	CONFIGURATION		
COLOR OWNSHIP	WHITE		
AIRCRAFT PICTURE	2-BLADE ROTORCRAFT		
FLIGHT STREAM MENU			
PARAMETER	CONFIGURTAION		
STREAM ACTIVE FLIGHT DATA	ENABLED		
TRANSFER PAST FLIGHT DATA	ENABLED		
LOGS			
GTN OPTIONS			
TERRAIN MENU			
PARAMETER	CONFIGURATION		
HTERRAIN PROXIMITY	ON / ENABLED (GREEN BAR ILLUMINATED)		
HTERRAIN ALERTING	OFF / DISABLED (GREEN BAR EXTINGUISHED)		
HTAWS	OFF / DISABLED (GREEN BAR EXTINGUISHED)		
ALERT CONFIGURATION WINDO	N		
PARAMETER	CONFIGURATION		
AUDIO CLIPS	GREYED OUT		
ALERT SETTINGS	GREYED OUT		
CHARTS MENU			
PARAMETER	CONFIGURATION		
NONE	ON / ENABLED (GREEN BAR ILLUMINATED)		
FLITECHARTS	OFF / DISABLED (GREEN BAR EXTINGUISHED)		
CHARTVIEW	OFF / DISABLED (GREEN BAR EXTINGUISHED)		
COM TRANSMIT POWER MENU			
PARAMETER	CONFIGURATION		
NORMAL	ON / ENABLED (GREEN BAR ILLUMINATED)		
16W	OFF / DISABLED (GREEN BAR EXTINGUISHED)		

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WEATHER RADAR MENU				
PARAMETER	CONFIG	URATION		
DIGITAL RADAR	OFF / DI	SABLED (GREEN BAR EXTINGUISHEI))
TURBULENCE DETECTION	OFF / DI	SABLED (GREEN BAR EXTINGUISHEI	$\vec{\Sigma}$
GROUND CLUTTER				
SUPPRESSION	OFF / DI	SABLED (GREEN BAR EXTINGUISHEI) (כ
FLIGHT SIMULATOR MENU				
PARAMETER	CONFIG	URATION		
FLIGHT SIMULATOR	OFF / DI	SABLED (GREEN BAR EXTINGUISHE	<u>))</u>
SEARCH AND RESCUE				- /
PARAMETER	CONFIG	URATION		
SEARCH AND RESCUE	OFF / DI	SABLED (GREEN BAR EXTINGUISHE	1
SAR PATTERNS WINDOW				
		SARLED (GREEN BAR EXTINGUISHE	
		SABLED (CREEN BAR EXTINGUISHE	
				<i>)</i>
SAR STATUS	LUCKED)		
NO CONFIGURATION REQUIRE	:D			
GIN EXTERNAL SYSTEMS				
GDL 69 MENU				
NO CONFIGURATION REQUIRE	:D			
STORMSCOPE MENU				
NO CONFIGURATION REQUIRE	D			
TRAFFIC MENU				
NO CONFIGURATION REQUIRE	D			
GAD 42 MENU				
NO CONFIGURATION REQUIRE	D			
XPDR MENU				
SYSTEM CONFIGURED USING	GTX 3X5 INS	STALL TOO	DL <mark>(6)</mark>	
AUDIO PANEL MENU				
NO CONFIGURATION REQUIRE	D			
GDL 88 MENU				
NO CONFIGURATION REQUIRE	D			
GSR 56 MENU				
NO CONFIGURATION REQUIRE	D			
WEATHER RADAR MENU				
NO CONFIGURATION REQUIRE	D			
 For LRU Options -101/-107/-109 : "OFF" For LRU Options -101/-107/-109 : "NOT PRE For LRU Options -101/-107/-109 : N/A For LRU Options -101/-103/-105/-109/-113/-1 For LRU Options -101/-103/-105/-107/-111/-1 For LRU Options -101/-103/-105/-107/-111/-1 For LRU Options -101/-107/-109 : "NO CONF 	SENT" 17 : "NOT CONNE 15 : Default setting IGURATION REQ	ECTED" gs WIRED"		
		1		
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Instructions for Continued Airworthiness:

 Insert the temporary ICA revision (located in Appendix A of this TB) into the ICA at the pages indicated and remove the previous pages. Retain the removed pages to re-insert once the GTN 650 and GTN 750 are removed and replaced with the GTN 650H Xi and the GTN 750H Xi

Flight Manual Supplement:

 Insert the temporary FMS revision (located in Appendix B of this TB) into the FMS at the pages indicated and remove the previous pages. Retain the removed pages to re-insert once the GTN 650 and GTN 750 are removed and replaced with the GTN 650H Xi and the GTN 750H Xi

Electrical Load Analysis:

 Insert the temporary ELA revision (located in Appendix C of this TB) into the aircraft ELA at the pages indicated and remove the previous pages. Retain the removed pages to reinsert once the GTN 650 and GTN 750 are removed and replaced with the GTN 650H Xi and the GTN 750H Xi

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DATE TB-E212-2006-1 WAS INCORPORATED ON THE ABOVE AIRCRAFT:

SIGNATURE OF PERSON RESPONSIBLE FOR ENTRY INTO AIRCRAFT TECHNICAL RECORD:

PRINT NAME OF PERSON RESPONSIBLE FOR ENTRY INTO AIRCRAFT TECHNICAL RECORD:

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APPENDIX A TEMPORARY ICA REVISION

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TEMPORARY REVISION FOR TB-E212-2006-1

Mid-Continent MD 302 Standby Attitude Module	 a) Visually inspect the equipment, mounting hardware and surrounding structure for installation security and damage such as fastener deterioration, cracks, corrosion, paint exfoliation, and other signs of structural deterioration. b) Check the equipment and external connectors for damage, corrosion, and correct installation. c) Examine electrical wiring harness and circuit breaker for condition and correct installation and any evidence of damage, fraying, chafing, overheating, damage, or corrosion. d) Check equipment bonding to the airframe. e) Follow the pitot static system inspect schedule and process in accordance with ICA-D212-725 Chapter 5 and Chapter 95.
	E2006-99-3 Garmin GPS / NAV / COMM KIT
Garmin GTN 750 GPS/COM/NAV	 a) Visually inspect the equipment, mounting hardware and surrounding structure for installation security and damage such as fastener deterioration, cracks, corrosion, paint exfoliation, and other signs of structural deterioration. b) Check the equipment and external connectors for damage, corrosion, and correct installation. c) Examine electrical wiring harness and circuit breaker for condition and correct installation and any evidence of damage, fraying, chafing, overheating, damage, or corrosion. d) Check equipment bonding to the airframe.
Garmin GTN 650 GPS/COM/NAV	 a) Visually inspect the equipment, mounting hardware and surrounding structure for installation security and damage such as fastener deterioration, cracks, corrosion, paint exfoliation, and other signs of structural deterioration. b) Check the equipment and external connectors for damage, corrosion, and correct installation. c) Examine electrical wiring harness and circuit breaker for condition and correct installation and any evidence of damage, fraying, chafing, overheating, damage, or corrosion. d) Check equipment bonding to the airframe.
Comant CI-2480-200 VHF/GPS Antenna	 a) Inspect the antenna for proper installation and condition of the sealant around the antenna. b) Perform a visual inspection of the surrounding structure. Check for damage such as fastener deterioration, cracks, corrosion, paint exfoliation, and other signs of structural deterioration of the skin structure. c) Check antenna coaxial connectors for signs of corrosion and verify securely connected. d) Check antenna bonding to the airframe.
Comant CI-292-2 COMM Antenna	 a) Inspect the antenna for proper installation and condition of the sealant around the antenna. b) Perform a visual inspection of the surrounding structure. Check for damage such as fastener deterioration, cracks, corrosion, paint exfoliation, and other signs of structural deterioration of the skin structure. c) Check antenna coaxial connectors for signs of corrosion and verify securely connected. d) Check antenna bonding to the airframe.
Garmin GA 35 GPS Antenna	 a) Inspect the antenna for proper installation and condition of the sealant around the antenna. b) Perform a visual inspection of the surrounding structure. Check for damage such as fastener deterioration, cracks, corrosion, paint exfoliation, and other signs of structural deterioration of the skin structure. c) Check antenna coaxial connectors for signs of corrosion and verify securely connected. d) Check antenna bonding to the airframe.
Tail Rotor Gearbox GPS Bracket	 a) Visually inspect the bracket, mounting hardware and surrounding structure for installation security and damage such as fastener deterioration, cracks, corrosion, paint exfoliation, and other signs of structural deterioration. ^[1] b) Check bracket bonding to the airframe.
	E2006-99-5 Garmin Transponder Kit
Garmin GTX 345R Transponder	 a) Visually inspect the equipment, mounting hardware and surrounding structure for installation security and damage such as fastener deterioration, cracks, corrosion, paint exfoliation, and other signs of structural deterioration. b) Check the equipment and external connectors for damage, corrosion, and correct installation. c) Examine electrical wiring harness and circuit breaker for condition and correct installation and any evidence of damage, fraying, chafing, overheating, damage, or corrosion. d) Check equipment bonding to the airframe.
Comant CI-105 Transponder Antenna	 a) Inspect the antenna for proper installation and condition of the sealant around the antenna. b) Perform a visual inspection of the surrounding structure. Check for damage such as fastener deterioration, cracks, corrosion, paint exfoliation, and other signs of structural deterioration of the skin structure. c) Check antenna coaxial connectors for signs of corrosion and verify securely connected. d) Check antenna bonding to the airframe.



CHAPTER 08 – WEIGHING AND BALANCE (08-00-00)

NOTE: The following table shows the weight increase associated with each of the E2006 Kits. All weights are net, except where indicated by "*".

Item	Weight	LA	TERAL	LONGITUDINAL		
	lingin	Arm	Moment	Arm	Moment	
E2006-99-1 Garmin G500H TXi PFD / MFD Kit*	22.82	0	0	47.62	1086.68	
E2006-99-3 Garmin GPS / NAV / COMM Kit	20.67	-0.47	-9.71	73.99	1529.37	
E2006-99-5 Garmin Transponder Kit	3.75	8.69	32.58	20.93	78.50	
E2006-99-7 Garmin TCAS I Kit	15.15	-5.78	-87.60	17.28	261.84	
E2006-99-9 Garmin RADAR Altimeter Kit	4.20	22.02	92.50	220.93	927.92	
E2006-99-11 DME Kit	5.89	3.31	19.49	14.62	86.11	

Table 8-1 – Weight and Balance

* Weights indicated are gross weight increases. Subtract the weight of the removed parts to determine the net weight change.



CHAPTER 95 - INSTRUMENT SYSTEM (95-00-00)

95.1 E2006-99-1 Garmin G500H TXi PFD / MFD Kit



Figure 95-1 – Instrument Panel Installation.

<u>CAUTION</u>: OBSERVE ALL SAFETY PRECAUTIONS AND FOLLOW APPROVED PROCEDURES WHEN APPLYING OR REMOVING AIRCRAFT ELECTRICAL POWER AS NOTED IN THE AIRCRAFT MAINTENANCE MANUAL (AMM).

	Table 95-1 – Instrument Panel Equipment									
ltem	Description	Part Number								
1	Instrument Panel Assembly	E2006-02-1-041								
2	Garmin GDU 1060 PFD / MFD	011-03308-20								
3	Garmin GTN 750 GPS / COMM / NAV	011-04634-00								
4	Mid-Continent MD 302 SAM	6420302-7								
5	Overlay	E2006-03-1-001								



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97.2 E2006-99-3 Garmin GPS / NAV / COMM Kit



Figure 97-1 – GPS / NAV / COMM System Installation.

<u>CAUTION</u>: OBSERVE ALL SAFETY PRECAUTIONS AND FOLLOW APPROVED PROCEDURES WHEN APPLYING OR REMOVING AIRCRAFT ELECTRICAL POWER AS NOTED IN THE AIRCRAFT MAINTENANCE MANUAL (AMM).

	Table 97-6 – GPS / NAV / COMM System Equipment										
ltem	Description	Part Number									
1	Garmin GTN 750 GPS / COMM / NAV	011-02282-00*									
2	Garmin GTN 650 GPS / COMM / NAV	011-02256-00*									
3	GPS/COMM Antenna	CI2480-200									
4	COMM Antenna	CI292-2									
5	GPS Antenna	013-00235-00									

* MOD 7 (Garmin P/N 011-04950-01) must be incorporated to meet the exclusions for DO-227A.



97.2.1 Garmin GTN 750 – Removal / Installation

A. APPLICABLE DOCUMENTS

TB-E212-2006-1 Appendix B Garmin GTN 650 / 750 Wiring Diagram ICA-D212-725 Eagle Single Instruction for Continuing Airworthiness BHT-212-MM Bell 212 Maintenance Manual BHT-ELEC-SPM Bell Electrical Standard Practices Manual

- B. SPECIAL TOOLS None
- C. CONSUMABLE MATERIALS None
- D. ROUTINE REPLACEMENT PARTS None
- E. JOB SET UP
- E.1 Comply with the general safety instructions for the electrical power supply system (ICA-D212-725, BHT-212-MM, and BHT-ELEC-SPM).
- E.2 Comply with the general safety instructions for the mechanical assemblies (ICA-D212-725 and BHT-212-MM).

F. PROCEDURE

- F.1 Removal
 - a. Ensure that the NO 1 VHF and the NO 1 NAV/GPS circuit breakers, located on the ESS AVIONICS BUSS are pulled out (opened) and collared.
 - b. Remove the GTN 750 by locating the unit retention mechanism access hole at the bottom-left corner of the unit face.
 - c. Insert a 3/32" hex tool into the access hole and turn the fastener counter clockwise until the unit is forced out about 3/8 inches and can be freely pulled from the rack.
 - d. Gently pull the GTN 750 out.
- F.2 Installation
 - a. Ensure that the NO 1 VHF and the NO 1 NAV/GPS circuit breakers, located on the ESS AVIONICS BUSS are pulled out (opened) and collared.
 - b. Slide the GTN 750 straight into the rack until it stops about 1 inch short of the fully seated position.
 - c. Insert a 3/32" hex drive into the unit retention mechanism access hole at the bottom of the unit face and turn the tool clockwise while pressing the bezel until the unit is firmly seated in the rack.
 - d. Ensure that the NO 1 VHF and the NO 1 NAV/GPS circuit breakers have the collar removed and are pushed in (closed).
 - e. Apply power to the GTN 750
 - f. Ensure the configuration has been completed IAW Section 1.6.
 - g. Function test the GTN 750 IAW Section 97.2.5 Steps D.1, D.2, and D.3.



97.2.2 Garmin GTN 650 – Removal / Installation

A. APPLICABLE DOCUMENTS

TB-E212-2006-1 Appendix B Garmin GTN 650 / 750 Wiring Diagram ICA-D212-725 Eagle Single Instruction for Continuing Airworthiness BHT-212-MM Bell 212 Maintenance Manual BHT-ELEC-SPM Bell Electrical Standard Practices Manual

- B. SPECIAL TOOLS None
- C. CONSUMABLE MATERIALS None
- D. ROUTINE REPLACEMENT PARTS None
- E. JOB SET UP
- E.1 Comply with the general safety instructions for the electrical power supply system (ICA-D212-725, BHT-212-MM, and BHT-ELEC-SPM).
- E.2 Comply with the general safety instructions for the mechanical assemblies (ICA-D212-725 and BHT-212-MM).

F. PROCEDURE

- F.1 Removal
 - a. Ensure that the NO 2 VHF and the NO 2 NAV/GPS circuit breakers, located on the NON-ESS AVIONICS BUSS are pulled out (opened) and collared.
 - b. Remove the GTN 650 by locating the unit retention mechanism access hole at the bottom-left corner of the unit face.
 - c. Insert a 3/32" hex tool into the access hole and turn the fastener counter clockwise until the unit is forced out about 3/8 inches and can be freely pulled from the rack.
 - d. Gently pull the GTN 650 out.
- F.2 Installation
 - a. Ensure that the NO 2 VHF and the NO 2 NAV/GPS circuit breakers, located on the NON-ESS AVIONICS BUSS are pulled out (opened) and collared.
 - b. Slide the GTN 650 straight into the rack until it stops about 1 inch short of the fully seated position.
 - c. Insert a 3/32" hex drive into the unit retention mechanism access hole at the bottom of the unit face and turn the tool clockwise while pressing the bezel until the unit is firmly seated in the rack.
 - d. Ensure that the NO 2 VHF and the NO 2 NAV/GPS circuit breakers have the collar removed and are pushed in (closed).
 - e. Ensure the configuration has been completed IAW Section 1.6.
 - f. Function test the GTN 650 IAW Section 97.2.5 Steps D.1, D.2, and D.3.



97.2.3 Garmin GTN 750 GPS/COMM #1 Antenna – Removal / Installation

A. APPLICABLE DOCUMENTS

E2006-01-6 GPS/COMM 1 Antenna Installation TB-E212-2006-1 Appendix B Garmin GTN 650 / 750 Wiring Diagram ICA-D212-725 Eagle Single Instruction for Continuing Airworthiness BHT-212-MM Bell 212 Maintenance Manual BHT-ELEC-SPM Bell Electrical Standard Practices Manual

- B. SPECIAL TOOLS None
- C. CONSUMABLE MATERIALS None
- D. ROUTINE REPLACEMENT PARTS None
- E. JOB SET UP
- E.1 Comply with the general safety instructions for the electrical power supply system (ICA-D212-725, BHT-212-MM, and BHT-ELEC-SPM).
- E.2 Comply with the general safety instructions for the mechanical assemblies (ICA-D212-725 and BHT-212-MM).

F. PROCEDURE

- F.1 Removal
 - a. Ensure that the NO 1 VHF and the NO 1 NAV/GPS circuit breakers, located on the ESS AVIONICS BUSS are pulled out (opened) and collared.
 - b. Disconnect the coax connector, put a protective cover on the GPS/COMM antenna connector and cap and stow the antenna cable.
 - c. Remove sealant from around the antenna and the fastener holes with a non-metallic tool (to prevent scribing or scratching of the airframe).
 - d. Remove the four (4) fasteners. Retain the mounting hardware.

CAUTION: DO NOT PULL ON THE ANTENNA WHILE THE CABLES ARE STILL ATTACHED.

e. Remove and retain the GPS/COMM antenna from the top of the fuselage.



F.2 Installation

- a. Ensure that the NO 1 VHF and the NO 1 NAV/GPS circuit breakers, located on the ESS AVIONICS BUSS are pulled out (opened) and collared.
- b. Unstow the GPS/COMM antenna coax cable.
- c. Remove the dust caps from the GPS/COMM antenna connector and the coax cable.
- d. Connect the coax cable to the GPS/COMM antenna connector.
- e. Install the GPS/COMM antenna using four (4) fasteners, antenna gasket, and O-ring that were previously retained. Torque all fasteners IAW Section 1.5.
- f. Ensure that the GPS/COMM antenna bonding to adjacent airframe structure is 0.003Ω or less. All electrical grounding and bonding is to be done IAW BHT-ELEC-SPM.
- g. Dome seal the antenna fasteners and fillet seal the edges of GPS/COMM antenna IAW Bell BHT-ALL-SPM Chapter 8.
- h. Ensure that the NO 1 VHF and the NO 1 NAV/GPS circuit breakers have the collar removed and are pushed in (closed).
- i. Function test the GTN 750 IAW Section 97.2.5 Steps D.2 and D.3.



97.2.4 Garmin GTN 650 GPS Antenna – Removal / Installation

A. APPLICABLE DOCUMENTS

E2006-01-4 GPS Antenna Installation TB-E212-2006-1 Appendix B Garmin GTN 650 / 750 Wiring Diagram ICA-D212-725 Eagle Single Instruction for Continuing Airworthiness BHT-212-MM Bell 212 Maintenance Manual BHT-ELEC-SPM Bell Electrical Standard Practices Manual

- B. SPECIAL TOOLS None
- C. CONSUMABLE MATERIALS None
- D. ROUTINE REPLACEMENT PARTS None
- E. JOB SET UP
- E.1 Comply with the general safety instructions for the electrical power supply system (ICA-D212-725, BHT-212-MM, and BHT-ELEC-SPM).
- E.2 Comply with the general safety instructions for the mechanical assemblies (ICA-D212-725 and BHT-212-MM).
- F. PROCEDURE
- F.1 Removal
 - a. Ensure that the NO 2 VHF and the NO 2 NAV/GPS circuit breakers, located on the NON-ESS AVIONICS BUSS are pulled out (opened) and collared.
 - b. Disconnect the coax connector, put a protective cover on the GPS antenna connector and cap and stow the antenna cable.
 - c. Remove sealant from around the antenna and the fastener holes with a non-metallic tool (to prevent scribing or scratching of the airframe).
 - d. Remove the four (4) fasteners. Retain the mounting hardware.

CAUTION: DO NOT PULL ON THE ANTENNA WHILE THE CABLES ARE STILL ATTACHED.

e. Remove and retain the GPS antenna from the top of the tail rotor gear box mount.



F.2 Installation

- a. Ensure that the NO 2 VHF and the NO 2 NAV/GPS circuit breakers, located on the NON-ESS AVIONICS BUSS are pulled out (opened) and collared.
- b. Unstow the GPS antenna coax cable.
- c. Remove the dust caps from the GPS antenna connector and the coax cable.
- d. Connect the coax cable to the GPS antenna connector.
- e. Install the GPS antenna using four (4) fasteners, antenna gasket, and O-ring that were previously retained. Torque all fasteners IAW Section 1.5.
- f. Ensure that the GPS antenna bonding to adjacent airframe structure is 0.003Ω or less. All electrical grounding and bonding is to be done IAW BHT-ELEC-SPM.
- g. Dome seal the antenna fasteners and fillet seal the edges of GPS antenna IAW Bell BHT-ALL-SPM Chapter 8.
- h. Ensure that the NO 2 VHF and the NO 2 NAV/GPS circuit breakers have the collar removed and are pushed in (closed).
- i. Function test the GTN 650 IAW Section 97.2.5 Step D.3.



97.2.5 Garmin GTN 750 / 650 – Functional Test

A. APPLICABLE DOCUMENTS

ICA-D212-725 Eagle Single Instruction for Continuing Airworthiness BHT-212-MM Bell 212 Maintenance Manual BHT-ELEC-SPM Bell Electrical Standard Practices Manual

B. SPECIAL TOOLS None

C. JOB SET UP

- C.1 Comply with the general safety instructions for the electrical power supply system (ICA-D212-725, BHT-212-MM, and BHT-ELEC-SPM).
- C.2 Comply with the general safety instructions for the mechanical assemblies (ICA-D212-725 and BHT-212-MM).
- D. PROCEDURE
- D.1 Power Up Self-test Ground Check
 - a. Ensure that the rotorcraft is in a serviceable configuration, all circuit breaker collars are removed, and all circuit breakers are pushed in (closed).
 - b. Apply ground power to the aircraft.
 - c. Power up the GTN 750 and / or GTN 650 and touch continue until the Instrument Panel Self-Test page is displayed.
 - d. Ensure all outputs match Table 97-7.
 - e. Turn off power to the GTN 750 and / or GTN 650.
 - f. Disconnect power from the aircraft.

Table 97-7 - Self-Test Values								
PARAMETER	SELF-TEST VALUE							
Course Deviation	Half-scale left deviation, TO indication, flag pulled							
Glideslope/Vert. Deviation	Half-scale up deviation, flag pulled							
Annunciators	All On							
Selected Course (OBS)	The GTN Xi displays the OBS value (149.5° if							
Desired Treek	140.5° (Diaplayed as 450°)							
Desired Track	149.5° (Displayed as 150°)							
Items below are not displayed	on the Instrument Panel Self-Test page							
Distance to Go	10.0 nautical miles							
Time to Go	4 minutes							
Bearing to Waypoint (RMI)	135°							
Active Waypoint	"GARMN"							
Groundspeed	150 knots							
Present Position	N 39°04.05', W 94°53.86'							
Waypoint Alert	Active							
Phase of Flight	En Route							
Message Alert	Active							
Leg/OBS Mode	Leg Mode							
GPS Integrity	Invalid							

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D.2 COMM / NAV Audio Ground Check

- a. Apply ground power to the aircraft.
- b. Power up all the avionics systems.
- c. Connect a headset to the pilot's headset output and mic input jack.
- d. Using a handheld radio, verify that the GTN 750 and/or GTN 650 radio can receive audio when selected on the audio control panel.
- e. Verify that the GTN 750 and/or GTN 650 radio sidetone is appropriate and can be heard under all operating conditions.
- f. Using a handheld radio, verify that the GTN 750 and/or GTN 650 radio keys for transmission and transmits clear audio from the pilot's mic when selected for on the audio control panel.
- g. Tune the GTN 750 and / or GTN 650 (NAV) receiver to a local VOR station.
- h. On the GTN 750 and/or GTN 650 verify that the navigation morse code identifier audio is being received over the crew headsets and ensure the volume is sufficient for all anticipated cockpit noise conditions.
- i. Move the headset to the co-pilot's headset jacks and repeat steps d through h.
- j. Repeat steps c through i on the GTN650H Xi.
- k. Power down all the rotorcrafts avionics systems.
- I. Disconnect power from the aircraft.
- D.3 GPS Antenna Ground Check
 - a. Apply ground power to the aircraft.
 - b. Ensure the GTN Xi is able to acquire sufficient satellites to compute a GPS position by performing the following steps:
 - 1. Tap System > GPS Status.
 - 2. Under GPS Solution, ensure that a 3D NAV or 3D DIFF NAV fix is obtained.
 - 3. If the unit is unable to acquire satellites, move the aircraft away from obstructions which might be shading GPS reception. If the situation does not improve, check the GPS antenna installation.
 - c. Once GPS position information is available, perform the following steps:
 - 1. Verify the LAT/LON agree with a known reference position.



97.2.6 Garmin GTN 750 / 650 – Fault Isolation

A. APPLICABLE DOCUMENTS

TB-E212-2006-1 Appendix B Garmin GTN 650 / 750 Wiring Diagram ICA-D212-725 Eagle Single Instruction for Continuing Airworthiness BHT-212-MM Bell 212 Maintenance Manual BHT-ELEC-SPM Bell Electrical Standard Practices Manual

- B. SPECIAL TOOLS None
- C. CONSUMABLE MATERIALS None
- D. ROUTINE REPLACEMENT PARTS None
- E. JOB SET UP
- E.1 Comply with the general safety instructions for the electrical power supply system (ICA-D212-725, BHT-212-MM, and BHT-ELEC-SPM).
- E.2 Comply with the general safety instructions for the mechanical assemblies (ICA-D212-725 and BHT-212-MM).
- F. PROCEDURE
- F.1 Continuity Checks
 - a. To determine cause of problem, troubleshoot wiring for continuity IAW the E2006-11-3 Garmin 750 Xi and 650 Xi Wiring Diagram. Inspect connectors for bent, pushed-back or damaged pins. If problem persists, perform system component check as describe in step F.2.
- F.2 System Component Checks
 - a. If a problem remains after conducting a continuity check, continue troubleshooting rotorcraft systems IAW AMM or other OEM documents. Faulty items are identified through observation and/or performance.
 - b. Repair is accomplished through the removal and replacement of faulty items with knownserviceable items. Remove and replace defective components IAW Removal and Installation Section of this manual.
 - c. Verification of repair is accomplished through observation and performing a system functional test IAW Section 97.2.5.



TEMPORARY REVISION FOR TB-E212-2006-1

F.3 Fault Isolation Table Troubleshooting

	Table 97-8 - FAULT ISOLATION - GTN 750 / 650								
FAILURE	PROBABLE CAUSE	CORRECTIVE ACTION							
No system power	Ground Power is not connected	Apply power IAW ICA-D212-725, BHT-212-MM							
	Power switched off	Ensure all Switches are ON							
	Wiring Installation inoperative	Inspect electrical wiring							
Rotorcraft power on but	Check if circuit breakers open	Push in (close) circuit breaker							
system will not operate	Check if circuit breakers fail	Replace THE circuit breaker							
Equipment failure	Connector disconnected	Trouble shoot IAW TB-E212-2006-1 Appendix B							
	Power or signal wire is damaged	Connect, repair or replace wire							
	Equipment inoperative	Remove equipment for servicing							

APPENDIX B TEMPORARY FLIGHT MANUAL SUPPLEMENT

DESIGN	KB	EAGLE COPTER	S LTD						
DRAWN	KB	CALGARY, AB, CANADA							
CHECKED	WK	DRAWING NO.	REV. B						
MFG. APPR.	CD	TB-E212-2006-1	APPENDIX B						
RELEASED	KB	TITLE							
DE APPR.		GARMIN GTN 650 / 750 SYSTEM INSTL							
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TEMPORARY CHANGE

INSERT AFTER PAGE 4 OF 8 IN FMS21011-2

When Eagle Copters Technical Bulletin TB-E212-2006-1 is incorporated, the Garmin GTN 750Xi and GTN 650Xi GPS/WAAS/NAV/COM Navigators are replaced with standard GTN 750 and GTN 650 GPS/WAAS/NAV/COM Navigators.

Page 4 is amended as shown below.

GENERAL INFORMATION

This flight manual supplement (FMS) is intended to supplement Eagle Single Flight Manual Supplement FMS-D212-725-1.

This installation consists of the following systems / equipment:

Garmin GTN 650 GPS/WAAS/NAV/COM Navigator (Qty 1) Garmin GTN 750 GPS/WAAS/NAV/COM Navigator (Qty 1) GPS/COMM Antenna (Qty 1) GPS Antenna (Qty 1) COMM Antenna (Qty 1) VOR/LOC Antenna (Qty 1) GTX 345R Transponder (Qty 1) Transponder Antenna (Qty 1)

This flight manual is divided into six sections as follows:

Section 1 Limitations Section 2 Normal Procedures Section 3 Emergency and Malfunction Procedures Section 4 Performance Data Section 5 Weight and Balance Data Section 6 Systems Description

Sections 1 through 4 contain Transport Canada approved data necessary to operate the helicopter in a safe and efficient manner.

ALL REFERENCES TO GTN 750Xi AND GTN 650Xi IN THE REMAINDER OF THIS SUPPLEMENT ARE APPLICABLE TO THE GTN 750 AND GTN 650, RESPECTIVELY.

TEMPORARY CHANGE

REPLACE PAGE 5 OF 8 IN FMS21011-2

When Eagle Copters Technical Bulletin TB-E212-2006-1 is incorporated, the Garmin GTN 750Xi and GTN 650Xi GPS/WAAS/NAV/COM Navigators are replaced with standard GTN 750 and GTN 650 GPS/WAAS/NAV/COM Navigators.

Page 5 is amended as shown below.

SECTION 1 LIMITATIONS

The Limitations of Section 1 remain applicable with the addition of the following:

GARMIN GTN 650 / GTN 750 NAVIGATION SYSTEM

1. The GTN 650 and GTN 750 must utilize the following software versions or later FAA approved versions:

SUB-SYSTEM	GTN 650 SOFTWARE	GTN 750 SOFTWARE			
Main Sw Version	6.7 (or later approved)	6.7 (or later approved)			
GPS Sw version	8.1 (or later approved)	8.1 (or later approved)			

- 2. The Fuel Planning page of the GTN 650 / GTN 750 shall not be used to determine actual fuel on board the aircraft.
- 3. Operating the GTN 650 / 750 for primary navigation for latitudes above 89.00° N and below 89.00° S is prohibited.

TERRAIN PROXIMITY LIMITATIONS

1. Rotorcraft Maneuvers and navigation shall not be predicated upon the use of the terrain display.

APPENDIX C TEMPORARY ELECTRICAL LOAD ANALYSIS

DESIGN	KB	EAGLE COPTERS LTD							
DRAWN	KB	CALGARY, AB, CANADA							
CHECKED	WK	DRAWING NO.	REV. B						
MFG. APPR.	CD	TB-E212-2006-1	APPENDIX C						
RELEASED	KB	TITLE							
DE APPR.		GARMIN GTN 650 / 750 SY	STEMINSTL						
DATE 2022-0	1-27	COPYRIGHT © 2022 BY EAGLECC THIS DOCUMENT IS PRIVET AND CONFIDENTIAL AND IS SUPPO THAT IT IS NOT TO BE USED FPR ANY PURPOSE OR COPIED O PERSON WITHOUT WRITTEN PERMISSION FROM	PTERS LTD. IED ON THE EXPRESS CONDITION R COMMUNICATED TO ANY OTHER EAGLECOPTERS LTD.						

Total Units Amps 1 unit Amps 1 unit GROUND (EATT CR GPU) CRUN - STARTING FLUGHT - TALE OFF 0 FLAND FLUGHT - CRUESE FLUGHT																			
Concer Equipment Added Ammae Tomin Family Tomin Form 6 SEC 2 MIN CONT 5 SEC 2 MIN CONT <t< td=""><td></td><td>Total Unite</td><td>Amps/ Init</td><td>Amps Total</td><td>GROUNI</td><td>D (BATT (</td><td>DR GPU)</td><td>GROU</td><td>ND - STA</td><td>RTING</td><td>FLIGHT</td><td>- TAKE O</td><td>FF OR LAND</td><td>FLIG</td><td>SHT - CRI</td><td>JISE</td><td>FLIGHT</td><td>- EMER</td><td>GENCY</td></t<>		Total Unite	Amps/ Init	Amps Total	GROUNI	D (BATT (DR GPU)	GROU	ND - STA	RTING	FLIGHT	- TAKE O	FF OR LAND	FLIG	SHT - CRI	JISE	FLIGHT	- EMER	GENCY
Core Equipment Added Core Equi		Total Offics	Ampsi Onic	Amps rotar	5 SEC	2 MIN	CONT.	5 SEC	2 MIN	CONT.	5 SEC	2 MIN	CONT.	5 SEC	2 MIN	CONT.	5 SEC	2 MIN	CONT.
ESSENTIAL AVIONE'S BUS HEIMEP (GSU 75) 1 3.80	Core Equipment Added																		
PFD/MFD (SQU 1060) 1 3.80	ESSENTIAL AVIONICS BUS																		
ADAHRS (GSU 75). 1 1 0.38 0.38 0.38 0.38 0.38 0.38 0.38 0.38	PFD/MFD (GDU 1060)	1	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80
MAGNETOMETER (GMU 44) 1 0.38 0	ADAHRS (GSU 75)	1	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38
ADDED ESSENTIAL AVIONICS BUS TOTAL LOADS 4.56 Image: Control of the control of th	MAGNETOMETER (GMU 44)	1	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38
NON-ESSENTIAL AVIONICS BUS Image: control of the second seco	ADDED - ESSENTIAL AVION	ICS BUS TO	TAL LOADS	4.56															
PFD/MPD (GDU 1060) 1 3.80	NON-ESSENTIAL AVIONICS BUS			•		•													•
ADAMRS (GSU 75) 1 0.38	PFD/MFD (GDU 1060)	1	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80
MAGNETOMETER (GMU 44) 1 0.38 0	ADAHRS (GSU 75)	1	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38
ADDED - NON-ESSENTIAL AVIONICS BUS TOTAL LOADS 4.56 Iman C BUS SAM MD 302) See Note 1 2 0.22 0.44<	MAGNETOMETER (GMU 44)	1	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38
Total DOE B/S Control Contro Control Contr Contro Control	ADDED - NON-ESSENTIAL AVION	ICS BUS TO	TAL LOADS	4.56															
SAM (MD 302) See Note 1 21 0.22 0.44	MAIN DC BUS																		
ADDED - MAIN DC BUS TOTAL LOADS 0.44 Image: constraint of the c	SAM (MD 302) See Note 1	2	0.22	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
ADDED TOTAL CORE LOADS TO MAIN DC BUS 9.56	ADDED - MAIN DC BUS	TOTAL LOA	DS	0.44															
ADDED TOTAL CORE LOADS TO MAIN DC BUS 9.56		r																·	
% GENERATOR CAPACITY 3.2%<	ADDED TOTAL CORE	LOADS TO P	MAIN DC BU	S	9.56	9.56	9.56	9.56	9.56	9.56	9.56	9.56	9.56	9.56	9.56	9.56	9.56	9.56	9.56
Total Units Amps/Unit	% GENERAT	OR CAPAC		-	3.2%	3.2%	3.2%	3.2%	3.2%	3.2%	3.2%	3.2%	3.2%	3.2%	3.2%	3.2%	3.2%	3.2%	3.2%
Total Units Amps/Unit Amps/Total GROUND (BATT OR GPU) GROUND - STARTING FLIGHT - TAKE OFF OR LAND FLIGHT - CRUISE FLIGHT - EMERGENCY Optional Equipment Added 5SEC 2 MIN CONT. 5 SEC 2 MIN	N OEITEIV.	011 0/11 / 10			0.270	0.270	0.270	0.270	0.270	0.270	0.270	0.270	0.2 /0	0.270	0.270	0.270	0.270	0.270	0.270
Total Unit Amps/ Unit Amps / Data 5 SEC 2 MIN CONT. 5 SEC<					GROUN) (BATT (OR GPU)	GROU	ND - STA	RTING	FUGHT	- TAKE O	FF OR LAND	ELIG	SHT - CR	JISE	FLIGHT	- EMER	GENCY
Optional Equipment Added Doc Doc <thdoc< th=""> Doc <thdoc< th=""></thdoc<></thdoc<>		Total Units	Amps/ Unit	Amps Total	5 SFC	2 MIN	CONT	5 SEC	2 MIN		5 SFC	2 MIN	CONT	5 SEC	2 MIN	CONT	5 SEC	2 MIN	CONT
ESSENTIAL AVIONICS BUS COMM 1 (GTN 750) See Note 2 1 1.76	Optional Equipment Added																		
COMM (GTN 750) See Note 2 1 1.76 <	ESSENTIAL AVIONICS BUS																	·	
NAV/GPS 1 (GTN 750) 1 1.80 1.70 1.70 1.70 1.70 1.7	COMM 1 (GTN 750) See Note 2	1	1.76	1.76	1.76	1.76	1.76	1.76	1.76	1.76	1.76	1.76	1.76	1.76	1.76	1.76	1.76	1.76	1.76
TRANSPONDER (GTX 345R) 1 0.65	NAV/GPS 1 (GTN 750)	1	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80
TCAS (GTS 865) 1 1.70 <td>TRANSPONDER (GTX 345R)</td> <td>1</td> <td>0.65</td>	TRANSPONDER (GTX 345R)	1	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65
ADDED - ESSENTIAL AVIONICS BUS TOTAL LOADS 5.91 Image: Colored and the colored and th	TCAS (GTS 855)	1	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
NON-ESSENTIAL AVIONICS BUS COMM 2 (GTN 650) See Note 2 1 1.76	ADDED - ESSENTIAL AVIONIC	S BUS TOTA		5.91															Î
COMM 2 (GTN 650) See Note 2 1 1.76 1.50	NON-ESSENTIAL AVIONICS BUS	<u> </u>																	
NAV/GPS 2 (GTN 650) 1 1.50 1.5	COMM 2 (GTN 650) See Note 2	1	1.76	1.76	1.76	1.76	1.76	1.76	1.76	1.76	1.76	1.76	1.76	1.76	1.76	1.76	1.76	1.76	1.76
RAD ALT (GRA 5500) 1 0.50	NAV/GPS 2 (GTN 650)	1	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
DME (KN 63) 1 0.62	RAD ALT (GRA 5500)	1	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
ADAPTER (GAD 43E) 1 0.59<	DME (KN 63)	1	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
ADDED - NON-ESSENTIAL AVIONICS BUS TOTAL LOADS 4.97 Image: Mail of the system of	ADAPTER (GAD 43E)	1	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59
ADDED TOTAL OPTIONAL LOADS TO MAIN DC BUS 10.88	ADDED - NON-ESSENTIAL AVION	ICS BUS TO	TAL LOADS	4.97															
ADDED TOTAL OPTIONAL LOADS TO MAIN DC BUS 10.88																			
% GENERATOR CAPACITY 3.6% <th< td=""><td>ADDED TOTAL OPTIONA</td><td>L LOADS TO</td><td>O MAIN DC E</td><td>BUS</td><td>10.88</td><td>10.88</td><td>10.88</td><td>10.88</td><td>10.88</td><td>10.88</td><td>10.88</td><td>10.88</td><td>10.88</td><td>10.88</td><td>10.88</td><td>10.88</td><td>10.88</td><td>10.88</td><td>10.88</td></th<>	ADDED TOTAL OPTIONA	L LOADS TO	O MAIN DC E	BUS	10.88	10.88	10.88	10.88	10.88	10.88	10.88	10.88	10.88	10.88	10.88	10.88	10.88	10.88	10.88
ALL ADDED TOTAL LOADS TO MAIN DC BUS 20.44	% GENERAT	OR CAPAC	ITY		3.6%	3.6%	3.6%	3.6%	3.6%	3.6%	3.6%	3.6%	3.6%	3.6%	3.6%	3.6%	3.6%	3.6%	3.6%
ALL ADDED TOTAL LOADS TO MAIN DC BUS 20.44																			
% GENERATOR CAPACITY 6.8%<	ALL ADDED TOTAL I	OADS TO M	AIN DC BUS		20 44	20 44	20 44	20 44	20 44	20 44	20 44	20 44	20 44	20 44	20 44	20 44	20 44	20 44	20 44
	% GENERAT	OR CAPAC	ITY		6.8%	6.8%	6.8%	6.8%	6.8%	6.8%	6.8%	6.8%	6.8%	6.8%	6.8%	6.8%	6.8%	6.8%	6.8%

Note 1: MD 302 Standby SAM max current draw is 1.43 amp when charging and heating the battery. For load calculations, it is assumed the MD 302 internal battery is fully charged. The load provided represents a fully charged battery and normal loading with bus power supplied.

Note 2: GTN 750/650 (Transmit load 1.76 AMP, Standby Load 0.21 AMP). Loads are based on a 10% transmit duty cycle.

APPENDIX D TEMPORARY WIRING DIAGRAM REVISION

DESIGN	KB	EAGLE COPTERS LTD					
DRAWN	KB	CALGARY, AB, CAN	IADA				
CHECKED	WK	DRAWING NO.	REV. B				
MFG. APPR.	CD	TB-E212-2006-1	APPENDIX D				
RELEASED	KB	TITLE					
DE APPR.		GARMIN GTN 650 / 750 SYSTEM INSTL					
DATE 2022-0	1-27	COPYRIGHT © 2022 BY EAGLEC THIS DOCUMENT IS PRIVET AND CONFIDENTIAL AND IS SUP THAT IT IS NOT TO BE USED FPR ANY PURPOSE OF COPIED PERSON WITHOUT WRITTEN PERMISSION FROM	OPTERS LTD. PLIED ON THE EXPRESS CONDITION OR COMMUNICATED TO ANY OTHER # EAGLECOPTERS LTD.				

	8	7	6	5	4	3
D						
+	<u></u> <u>NOTES:</u>	NEW WIRE / UNIT	ΙΙТ			
3	 PERFORM ALL WORK IN ALL NEW UNSHIELDED BE ACHIEVED WITH THE 6 INCHES. ALL NEW SHIELDED WIF CAN BE ACHIEVED WITH ALL SHIELD TERMINATION INDIVIDUAL SHIELD EXT ALL AIRFRAME GROUND CHASSIS GROUNDS, SIG ALL EQUIPMENT BONDI THE LATEST REVISION 	I ACCORDANCE WITH BELL HELICO WIRE USE M22759/41-(XX)-9 OR EQ PROPER SOLDER. USE CRIMP SP THE PROPER SOLDER. USE CRIM ONS SHALL BE INSTALLED PER MIL ENSIONS SHALL BE SPLICED AT A DS SHALL BE VIA AMP LUG OR GRO GNAL GROUNDS AND SHIELD GROU NG TO ADJACENT AIRFRAME STRU OF BHT-ELEC-SPM CHAPTER 8.	PTER STANDARD PRACTICES MAN UIVALENT TYPE WIRE. (M22759/41- LICES FOR REPAIR). ALL WIRES 22 QUIVALENT TYPE WIRE. (M27500-(P SPLICES FOR REPAIR). SOLDER -S-83519 OR EQUIVALENT. SHIELD COMMON TIE POINT TO THE TERM DUNDING BLOCK AND PROVIDE SE JNDS. ICTURE TO BE 0.003 OHM OR LESS	NUAL BHT-ELEC-SPM. (XX)-9 IS NOT INTENDED TO BE US 2 AWG UNLESS OTHERWISE SPECI XX)SM(X)N23 IS NOT INTENDED TO SLEEVES SHALL USE SN96 SOLDE 0 TERMINATIONS SHOWN AS "DAISY MINATING WIRES. THE BACK SHELL PARATE GROUND STUD LOCATION 3. ALL ELECTRICAL GROUNDING AN	ED IN SOLDER APPLICATIONS, SOL FIED BY WIRE CODE. ALL JUMPERS BE USED IN SOLDER APPLICATION R, USE P/N S200-X-00 OR EQUIVALE (-CHAINED'' ARE FOR DRAWING CL OR AIRFRAME GROUND MAY BE U IS FOR DC POWER GROUNDS, AC I	LDERABILITY CAN TO BE LESS THAN NS, SOLDERABILITY ENT. ARITY ONLY. SED. POWER GROUNDS, ACCORDANCE WITH
_	 ALL TERMINALS TO BE ALL CONNECTORS TO B (GARMIN DOCUMENT 19 BULKHEAD MOUNTED C ENSURE ALL SWITCHES CONSISTENT AS EXISTI BOUTE ALL MARES AND 	INSTALLED IN ACCORDANCE WITH BE INSTALLED IN ACCORDANCE WITH 00-00313-12). ENSURE ALL UNUSED CONNECTORS ARE PROPERLY BON 6, CIRCUIT BREAKERS, AND REMOT NG LABELS. CARLES WITH EXISTING MURE POL	THE LATEST REVISION OF BHT-ELE TH THE LATEST REVISION OF BHT- CONNECTOR CONTACTS ARE FILL DED TO AIRFRAME. TE MOUNTED BOXES ARE LABELED	EC-SPM CHAPTER 4 PARAGRAPH 4 ELEC-SPM CHAPTER 5 AND / OR CI LED WITH SPARE PINS/SOCKETS O WITH A CONSISTENT SIZE, FONT,	-9. RCULAR CONNECTOR INSTALLATI R PLASTIC GROMMET SEALING PL COLOR, BACKGROUND AND ARE IL	ON INSTRUCTIONS UGS. ENSURE ALL LUMINATED
4	 10. KOUTE ALL WIKES AND MUST BE ROUTED WITH 11. INSTALL SYSTEM IN ACC 12. LOWERCASE LETTER C 13. INCLUDED IN KIT PN: 01 14. INCLUDED IN KIT PN: 01 15. THE CUMULATIVE COAX 16. THE CUMULATIVE COAX 16. THE CUMULATIVE COAX 17. POWER WIRES NOT TO 18. GARMIN OPTIONAL MOD 	A MINIMUM OF 6 INCHES OF SEPA CORDANCE WITH THE LATEST REV ONNECTOR PIN DESIGNATORS ARI 1-02325-02 (CABLE LENGTH BETWEEN LRU AN CABLE LENGTH BETWEEN LRU AN EXCEED 20 FT FROM A 5A CIRCUIT O 7 (LOW CAPACITY BATTERY OPTI	ND ANTENNA NOT TO EXCEED 30 F ND ANTENNA NOT TO EXCEED 30 F ND ANTENNA NOT TO EXCEED 30 F ND ANTENNA NOT TO EXCEED 35 F BREAKER. ON, GARMIN P/N 011-04950-01) MUS	TT IN ACCORDANCE WITH THE LATE D LINES (MIN 2 INCHES IF WIRES IN NSTALLATION MANUAL. CASE LETTERS. TT WHEN USING P/N S44193 FOR GP T WHEN USING P/N RG142B FOR GI ST BE INCORPORATED.	CONDUIT). S. PS.	TAFIER D. VVIKED

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	BILL OF MATERIALS								
D	ITEM	QTY PER	PART NUMBER		DESCRIPTION	POTENTIAL SUPPLIER			
	1	1	011-02282-00	GTN 750		GARMIN	18	,	
	2	4	MS22073-5	CIRCUIT BREA	KER, 5A	MIL SPEC			
	3	2	330-00185-78	CONNECTOR,	PLUG	GARMIN	13>	• 14	
	4	2	330-00185-26	CONNECTOR,	PLUG	GARMIN	13	• 14	
	5	2	330-00185-44	CONNECTOR,	PLUG	GARMIN	13	• 14	
	6	2	330-00185-62	CONNECTOR,	PLUG	GARMIN	13>	• 14	
	7	AR (420)	336-00021-00	CONTACT, PIN		GARMIN	13	• 14	
	8	2	125-00085-00	BACKSHELL		GARMIN	13>	• 14	
	9	2	125-00082-00	BACKSHELL		GARMIN	13>	• 14	
	10	2	125-00083-00	BACKSHELL		GARMIN	13>	• 14	
_	11	2	125-00084-00	BACKSHELL		GARMIN	13>	• 14	
С	12	2	011-00979-03	KIT, CONFIGUI	RATION MODULE	GARMIN			
	13		NOT REQUIRED	NOT REQUIRE	D	NOT REQUIRED			
	14	1	011-02256-00	GTN 650		GARMIN	18>	•	
	15	1	CI 507	ANTENNA, DIP	LEXER	COMANT			
	16	1	ZFSC-2-1B+	COAXIAL POW	ER SPLITTER	MINI CIRCUITS			
	17	1	CI-292-1	ANTENNA, GP	S/COMM	COMANT			
	18	REF (1)	DMN4-4	ANTENNA, VO	R/LOC	DORNE AND MARGOLIN			
	19	1	013-00235-00	ANTENNA, GPS	S	GARMIN			
	20	1	CI-292-2	ANTENNA, CO	ММ	COMANT			
	21	AR (40)	S44193	CABLE, COAX		PIC	15>	•	
	22	16	190112	CONNECTOR,	BNC	PIC			
	23	AR (20)	392404	CABLE, ETHER	RNET	CARLISLE			
	24	1	RHT-615-0236	CONNECTOR,	BULKHEAD TNC	AMHPENOL			
	25	REF (1)	RGS10-48	ANTENNA, GLI	DESLOPE	DAYTON-GRANGER			
	26	6	190108	CONNECTOR,	TNC	PIC			
	27	1	011-00878-04	16 WATT COM	ENABLEMENT CARD	GARMIN			
	28	1	011-02045-41	SD DATACARD	W/ NAVIGATION	GARMIN			
	29	1	UG-914/U	CONNECTOR,	BULKHEAD BNC	AMHPENOL			
В	30	AR (260)	M17/60-RG142	CABLE, COAX		MIL SPEC	16>	,	

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