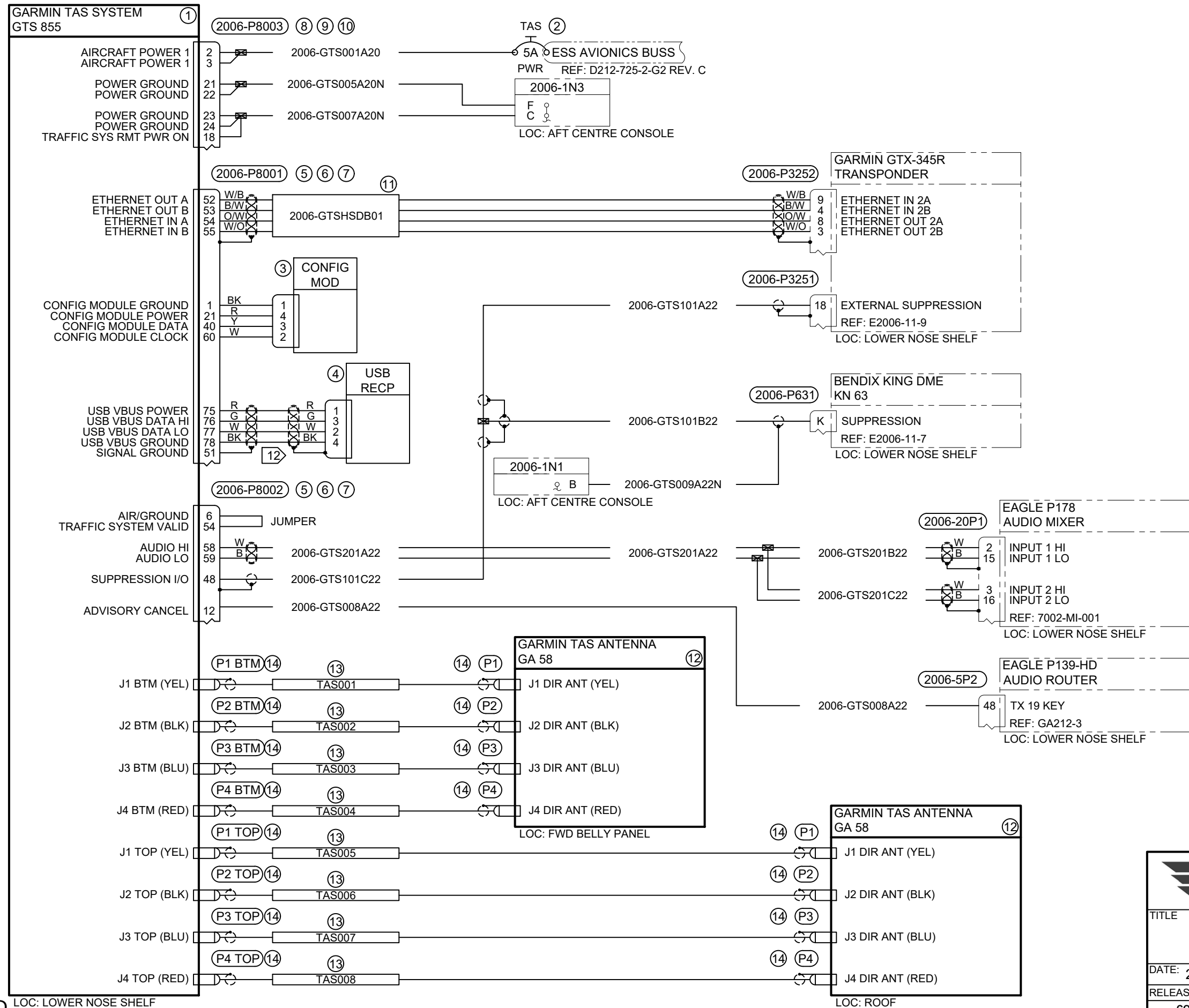


BILL OF MATERIALS					REV		DESCRIPTION		INITIAL		YYYY-MM-DD																										
ITEM	QTY PER	PART NUMBER	DESCRIPTION	POTENTIAL SUPPLIER	A		NEW ISSUE		EB		2021-09-09																										
1	1	011-02571-00	GTS 855	GARMIN	15																																
2	1	MS22073-5	CIRCUIT BREAKER, 5A	MIL SPEC																																	
3	1	011-00979-20	CONFIGURATION, MODULE	GARMIN																																	
4	1	011-01782-00	USB-B PIGTAIL	GARMIN																																	
5	A/R (19)	336-00021-00	CONTACT, PIN (ALT P/N:M39029/58-360)	GARMIN/MIL SPEC																																	
6	2	330-00776-78	CONNECTOR, PLUG (J8001/J8002)	GARMIN																																	
7	2	011-01855-04	BACKSHELL	GARMIN																																	
8	A/R (9)	336-00022-00	CONTACT, SOCKET (ALT P/N:M39029/63-368)	GARMIN/MIL SPEC																																	
9	1	330-00853-37	CONNECTOR, PLUG (J8003)	GARMIN																																	
10	1	011-01855-03	BACKSHELL	GARMIN																																	
11	1	392404	CABLE, ETHERNET	CARLISLE																																	
12	2	010-10720-02	GA 58 DIRECTIONAL ANTENNA	GARMIN																																	
13	AR (200)	S44193	CABLE, COAX	PIC																																	
14	16	190108	CONNECTOR, STRAIGHT	PIC																																	
NOTES: 1. PERFORM ALL WORK IN ACCORDANCE WITH BELL HELICOPTER STANDARD PRACTICES MANUAL BHT-ELEC-SPM. 2. ALL NEW UNSHIELDED WIRE USE M22759/41-(XX)-9 OR EQUIVALENT TYPE WIRE. (M22759/41-(XX)-9 IS NOT INTENDED TO BE USED IN SOLDER APPLICATIONS, SOLDERABILITY CAN BE ACHIEVED WITH THE PROPER SOLDER. USE CRIMP SPLICES FOR REPAIR). ALL WIRES 22 AWG UNLESS OTHERWISE SPECIFIED BY WIRE CODE. ALL JUMPERS TO BE LESS THAN 6 INCHES. 3. ALL NEW SHIELDED WIRE USE M27500-(XX)SM(X)N23 OR EQUIVALENT TYPE WIRE. (M27500-(XX)SM(X)N23 IS NOT INTENDED TO BE USED IN SOLDER APPLICATIONS, SOLDERABILITY CAN BE ACHIEVED WITH THE PROPER SOLDER. USE CRIMP SPLICES FOR REPAIR). SOLDER SLEEVES SHALL USE SN96 SOLDER, USE P/N S200-X-00 OR EQUIVALENT. 4. ALL SHIELD TERMINATIONS SHALL BE INSTALLED PER MIL-S-83519 OR EQUIVALENT. SHIELD TERMINATIONS SHOWN AS "DAISY-CHAINED" ARE FOR DRAWING CLARITY ONLY. INDIVIDUAL SHIELD EXTENSIONS SHALL BE SPLICED AT A COMMON TIE POINT TO THE TERMINATING WIRES. THE BACK SHELL OR AIRFRAME GROUND MAY BE USED. 5. ALL AIRFRAME GROUNDS SHALL BE VIA AMP LUG OR GROUNDING BLOCK AND PROVIDE SEPARATE GROUND STUD LOCATIONS FOR DC POWER GROUNDS, AC POWER GROUNDS, CHASSIS GROUNDS, SIGNAL GROUNDS AND SHIELD GROUNDS. 6. ALL EQUIPMENT BONDING TO ADJACENT AIRFRAME STRUCTURE TO BE 0.003 OHM OR LESS. ALL ELECTRICAL GROUNDING AND BONDING TO BE INSTALLED IN ACCORDANCE WITH THE LATEST REVISION OF BHT-ELEC-SPM CHAPTER 8. 7. ALL TERMINALS TO BE INSTALLED IN ACCORDANCE WITH THE LATEST REVISION OF BHT-ELEC-SPM CHAPTER 4 PARAGRAPH 4-9. 8. ALL CONNECTORS TO BE INSTALLED IN ACCORDANCE WITH THE LATEST REVISION OF BHT-ELEC-SPM CHAPTER 5 AND / OR CIRCULAR CONNECTOR INSTALLATION INSTRUCTIONS (GARMIN DOCUMENT 190-00313-12). ENSURE ALL UNUSED CONNECTOR CONTACTS ARE FILLED WITH SPARE PINS/SOCKETS OR PLASTIC GROMMET SEALING PLUGS. ENSURE ALL BULKHEAD MOUNTED CONNECTORS ARE PROPERLY BONDED TO AIRFRAME. 9. ENSURE ALL SWITCHES, CIRCUIT BREAKERS, AND REMOTE MOUNTED BOXES ARE LABELED WITH A CONSISTENT SIZE, FONT, COLOR, BACKGROUND AND ARE ILLUMINATED CONSISTENT AS EXISTING LABELS. 10. ROUTE ALL WIRES AND CABLES WITH EXISTING WIRE ROUTES WHERE POSSIBLE AND CLAMP IN ACCORDANCE WITH THE LATEST REVISION OF BHT-ELEC-SPM CHAPTER 6. WIRES MUST BE ROUTED WITH A MINIMUM OF 6 INCHES OF SEPARATION FROM OXYGEN AND FLUID LINES (MIN 2 INCHES IF WIRES IN CONDUIT). 11. INSTALL SYSTEM IN ACCORDANCE WITH THE LATEST REVISION OF THE MANUFACTURERS INSTALLATION MANUAL. 12. LOWERCASE LETTER CONNECTOR PIN DESIGNATORS ARE SHOWN AS UNDERLINED UPPERCASE LETTERS. 13. AS THE DRAIN WIRE IS UN-INSULATED, A TEFLON SLEEVE (18 AWG OR HIGHER) IS REQUIRED OVER THE EXPOSED AREA BACK TO THE OUTER INSULATION OF THE CABLE. REFERENCE GARMIN GTS 855 INSTALLATION MANUAL, PN: 190-00587-50 REV. M, APPENDIX B, PAGE B-6, NOTE 5. 14. EACH SET OF COAX CABLE MUST BE A MATCHING SET WITH EACH INDIVIDUAL CABLE THE SAME LENGTH (WITHIN +/- 6 INCHES) AND THE LENGTH BETWEEN LRU AND ANTENNA NOT TO EXCEED 35 FT. 15. INCLUDED IN KIT PN: 011-01360-11 16. POWER WIRES NOT TO EXCEED 20 FT FROM A 5A CIRCUIT BREAKER. 17. WHEN THE GARMIN GTS 825 IS UPGRADED WITH AN APPROPRIATE (TCAS I) GARMIN ENABLEMENT CARD IT BECOMES THE GARMIN GTS 855.																																					
AVIONICS DESIGN SERVICES APPROVED FOR RELEASE BY DATE 12 Oct 2021 ORIGINAL IN RED																																					
<table><tr><td>DESIGN</td><td>EB</td><td rowspan="5"></td><td rowspan="5">TITLE: GARMIN GTS 855 TCAS WIRING DIAGRAM</td></tr><tr><td>DRAWN</td><td>EB</td></tr><tr><td>CHECKED</td><td>WK</td></tr><tr><td>MFG. APPR.</td><td>LJ / CD</td></tr><tr><td>DM RLSED.</td><td>EB</td></tr><tr><td>DE RLSED.</td><td>N/A</td><td rowspan="2">NO: E2006-11-11</td><td rowspan="2">REV: A</td><td rowspan="2">SHEET 1 OF 2</td></tr><tr><td colspan="2">SCALE: NTS</td></tr><tr><td colspan="2">DATE: 2021-09-09</td></tr><tr><td colspan="5">COPYRIGHT © 2021 BY EAGLE COPTERS MAINTENANCE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM EAGLE COPTERS MAINTENANCE LTD.</td></tr></table>												DESIGN	EB		TITLE: GARMIN GTS 855 TCAS WIRING DIAGRAM	DRAWN	EB	CHECKED	WK	MFG. APPR.	LJ / CD	DM RLSED.	EB	DE RLSED.	N/A	NO: E2006-11-11	REV: A	SHEET 1 OF 2	SCALE: NTS		DATE: 2021-09-09		COPYRIGHT © 2021 BY EAGLE COPTERS MAINTENANCE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM EAGLE COPTERS MAINTENANCE LTD.				
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CALGARY, ALBERTA, CANADA			
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WIRING DIAGRAM			
DATE:	2021-09-09	DWG:	REV
RELEASED:		E2006-11-11	A
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			2 OF 2
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