

REV	DESCRIPTION	INITIAL	YYYY-MM-DD
A	NEW ISSUE	EB	2021-09-09
B	REVISED TO GSU 75H AND ITEM 13 P/N	KB	2021-11-30

_____ NEW WIRE / UNIT
----- EXISTING WIRE / UNIT

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. INCLUDED IN KIT PN: 011-03527-00
14. INCLUDED IN KIT PN: 011-04038-00
15. INCLUDED IN KIT PN: 011-03109-00
16. INCLUDED IN KIT PN: 011-00871-00
17. POWER WIRES NOT TO EXCEED 20 FT.
18. POWER WIRES NOT TO EXCEED 30 FT.

RELEASED

EC ECN 22-120

2022-02-24 MC

AVIONICS DESIGN SERVICES
APPROVED FOR RELEASE

01-Dec-2021
BY _____ DATE

ORIGINAL IN RED

DESIGN	EB	 CALGARY, ALBERTA, CANADA
DRAWN	EB	
CHECKED	WK	
MFG. APPR.	LJ / CD	
DM RLSED.	<i>KB</i>	
DE RLSED.	N/A	TITLE: GARMIN G500H TXI WIRING DIAGRAM
SCALE: NTS		NO: E2006-11-1
DATE: 2021-11-30		
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REV: B		SHEET 1 OF 5

BILL OF MATERIALS				
ITEM	QTY PER	PART NUMBER	DESCRIPTION	POTENTIAL SUPPLIER
1	2	011-03308-20	GDU 1060	GARMIN
2	2	MS22073-5	CIRCUIT BREAKER, 5A	MIL SPEC
3	2	330-00366-26	CONNECTOR, PLUG	GARMIN
4	2	330-00366-44	CONNECTOR, PLUG	GARMIN
5	2	330-00366-62	CONNECTOR, PLUG	GARMIN
6	2	330-00366-78	CONNECTOR, PLUG	GARMIN
7	A/R (250)	336-00021-00	CONTACT, PIN	GARMIN
8	2	011-01855-01	BACKSHELL	GARMIN
9	2	011-01855-02	BACKSHELL	GARMIN
10	2	011-01855-03	BACKSHELL	GARMIN
11	2	011-01855-04	BACKSHELL	GARMIN
12	2	011-04038-00	CONFIGURATION MODULE	GARMIN
13	2	011-03094-20	GSU 75H	GARMIN
14	2	MS22073-3	CIRCUIT BREAKER, 3A	MIL SPEC
15	A/R (154)	M39029/58-360	CONTACT, PIN	MIL SPEC
16	2	330-00776-78	CONNECTOR, PLUG	GARMIN
17	2	011-01855-04	BACKSHELL	GARMIN
18	2	011-00979-20	CONFIGURATION MODULE	GARMIN
19	2	011-00870-10	GMU 44 MAGNETOMETER	GARMIN
20	1	MS3474W12-10SW	CONNECTOR, JACK	MIL SPEC
21	2	330-00360-00	CONNECTOR, PLUG	GARMIN
22	2	330-90005-01	BACKSHELL	GARMIN
23	2	M39029/63-368	CONTACT, PIN	MIL SPEC
24	2	011-00978-00	OAT PROBE, KIT	GARMIN
25	2	010-03716-20	DATABASE SD CARD	GARMIN
26	A/R	392404	CABLE, ETHERNET	CARLISLE
27	1	M39029/31-240	CONTACT, PIN	MIL SPEC
28	1	M39029/32-259	CONTACT, SOCKET	MIL SPEC
29	1	M39029/31-228	CONTACT, PIN	MIL SPEC
30	1	M39029/32-247	CONTACT, SOCKET	MIL SPEC
31	1	MS3474W12-10P	CONNECTOR, PLUG	MIL SPEC
32	A/R (20)	M39029/4-110	CONTACT, PIN	MIL SPEC
33	1	MS3474W12-10S	CONNECTOR, JACK	MIL SPEC
34	A/R (20)	M39029/5-115	CONTACT, SOCKET	MIL SPEC
35	1	MS3474W12-10PW	CONNECTOR, PLUG	MIL SPEC
36	1	010-00769-60	INSTALLER ENABLEMENT SD CARD	GARMIN
37	1	010-03716-33	HELICOPTER ENABLEMENT SD CARD	GARMIN
38	1	010-01477-4A	RAD ALT ENABLEMENT SD CARD	GARMIN
39	1	010-03716-4J	METRIC PFD ENABLEMENT SD CARD	GARMIN
40	1	010-01476-47	HSV T ENABLEMENT SD CARD	GARMIN

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CALGARY, ALBERTA, CANADA

TITLE

GARMIN G500H TXI
WIRING DIAGRAM

DATE: 2021-11-30

RELEASED: *AB*

DWG: E2006-11-1

REV B

SHEET 2 OF 5

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GARMIN ADAHRS
PILOT GSU 75H

AIRCRAFT POWER 1
AIRCRAFT POWER 2
POWER GROUND
POWER GROUND

CONFIG MODULE GROUND
CONFIG MODULE POWER OUT
CONFIG MODULE DATA
CONFIG MODULE CLOCK

RS-422 IN A
RS-422 IN B

RS-232 OUT AHRS 3
MAGNETOMETER POWER OUT
MAGNETOMETER GROUND

SYSTEM ID 1*
SIGNAL GROUND

OAT POWER
RS-422 IN B
RS-422 IN B

RS-232 OUT ADC 2
RS-232 ADC 2 GROUND

ARINC 429 OUT ADAHRS 1A
ARINC 429 OUT ADAHRS 1B

RS-232 OUT ADC 1
RS-232 IN ADC 1
RS-232 ADC 1 GROUND

RS-232 OUT AHRS 1
RS-232 IN AHRS 1
RS-232 AHRS 1 GROUND

ARINC 429 OUT 3A
ARINC 429 OUT 3B

ARINC 429 OUT ADAHRS 2A
ARINC 429 OUT ADAHRS 2B

LOC: UPPER NOSE SHELF

2006-1P751 15 16 17

18 CONFIG
MOD

2006-1ADHRS001A20

2006-1ADHRS003A20N

JUMPER

2006-1ADHRS302A22

2006-XPDR202A22

2006-1GDU202A22

2006-1GDU301A22

2006-1GDU302A22

2006-DME301A22

2006-DME202A22

2006-2SAM203A22

2006-1N3
G 2

LOC: AFT CENTRE CONSOLE

2006-8P1

2006-8J1 20 34

A B C
D E F G

LOC: TAILBOOM

2006-P3251

GARMIN TRANSPONDER
GTX 345R

RS-232 IN 1
RS-232 GROUND 1

REF: E2006-11-9
LOC: LOWER NOSE SHELF

2006-P431

GARMIN GAD 43E
DME INTERFACE

RS 232 IN
RS 232 OUT
RS 232 GROUND

ARINC 429 IN 3A
ARINC 429 IN 3B

REF: E2006-11-7
LOC: LOWER NOSE SHELF

PILOT

3A 3B 3C 3D 3E 3F 3G 3H 3I 3J 3K 3L 3M 3N 3O 3P 3Q 3R 3S 3T 3U 3V 3W 3X 3Y 3Z 3AA 3AB 3AC 3AD 3AE 3AF 3AG 3AH 3AI 3AJ 3AK 3AL 3AM 3AN 3AO 3AP 3AQ 3AR 3AS 3AT 3AU 3AV 3AW 3AX 3AY 3AZ 3BA 3BB 3BC 3BD 3BE 3BF 3BG 3BH 3BI 3BJ 3BK 3BL 3BM 3BN 3BO 3BP 3BQ 3BR 3BS 3BT 3BU 3BV 3BW 3BX 3BY 3BZ 3CA 3CB 3CC 3CD 3CE 3CF 3CG 3CH 3CI 3CJ 3CK 3CL 3CM 3CN 3CO 3CP 3CQ 3CR 3CS 3CT 3CU 3CV 3CW 3CX 3CY 3CZ 3DA 3DB 3DC 3DD 3DE 3DF 3DG 3DH 3DI 3DJ 3DK 3DL 3DM 3DN 3DO 3DP 3DQ 3DR 3DS 3DT 3DU 3DV 3DW 3DX 3DY 3DZ 3EA 3EB 3EC 3ED 3EE 3EF 3EG 3EH 3EI 3EJ 3EK 3EL 3EM 3EN 3EO 3EP 3EQ 3ER 3ES 3ET 3EU 3EV 3EW 3EX 3EY 3EZ 3FA 3FB 3FC 3FD 3FE 3FF 3FG 3FH 3FI 3FJ 3FK 3FL 3FM 3FN 3FO 3FP 3FQ 3FR 3FS 3FT 3FU 3FV 3FW 3FX 3FY 3FZ 3GA 3GB 3GC 3GD 3GE 3GF 3GH 3GI 3GJ 3GK 3GL 3GM 3GN 3GO 3GP 3GQ 3GR 3GS 3GT 3GU 3GV 3GW 3GX 3GY 3GZ 3HA 3HB 3HC 3HD 3HE 3HF 3HG 3HH 3HI 3HJ 3HK 3HL 3HM 3HN 3HO 3HP 3HQ 3HR 3HS 3HT 3HU 3HV 3HW 3HX 3HY 3HZ 3IA 3IB 3IC 3ID 3IE 3IF 3IG 3IH 3II 3IJ 3IK 3IL 3IM 3IN 3IO 3IP 3IQ 3IR 3IS 3IT 3IU 3IV 3IW 3IX 3IY 3IZ 3JA 3JB 3JC 3JD 3JE 3JF 3JG 3JH 3JI 3JJ 3JK 3JL 3JM 3JN 3JO 3JP 3JQ 3JR 3JS 3JT 3JU 3JV 3JW 3JX 3JY 3JZ 3KA 3KB 3KC 3KD 3KE 3KF 3KG 3KH 3KI 3KJ 3KK 3KL 3KM 3KN 3KO 3KP 3KQ 3KR 3KS 3KT 3KU 3KV 3KW 3KX 3KY 3KZ 3LA 3LB 3LC 3LD 3LE 3LF 3LG 3LH 3LI 3LJ 3LK 3LL 3LM 3LN 3LO 3LP 3LQ 3LR 3LS 3LT 3LU 3LV 3LW 3LX 3LY 3LZ 3MA 3MB 3MC 3MD 3ME 3MF 3MG 3MH 3MI 3MJ 3MK 3ML 3MN 3MO 3MP 3MQ 3MR 3MS 3MT 3MU 3MV 3MW 3MX 3MY 3MZ 3NA 3NB 3NC 3ND 3NE 3NF 3NG 3NH 3NI 3NJ 3NK 3NL 3NM 3NO 3NP 3NQ 3NR 3NS 3NT 3NU 3NV 3NW 3NX 3NY 3NZ 3OA 3OB 3OC 3OD 3OE 3OF 3OG 3OH 3OI 3OJ 3OK 3OL 3OM 3ON 3OO 3OP 3OQ 3OR 3OS 3OT 3OU 3OV 3OW 3OX 3OY 3OZ 3PA 3PB 3PC 3PD 3PE 3PF 3PG 3PH 3PI 3PJ 3PK 3PL 3PM 3PN 3PO 3PP 3PQ 3PR 3PS 3PT 3PU 3PV 3PW 3PX 3PY 3PZ 3QA 3QB 3QC 3QD 3QE 3QF 3QG 3QH 3QI 3QJ 3QK 3QL 3QM 3QN 3QO 3QP 3QQ 3QR 3QS 3QT 3QU 3QV 3QW 3QX 3QY 3QZ 3RA 3RB 3RC 3RD 3RE 3RF 3RG 3RH 3RI 3RJ 3RK 3RL 3RM 3RN 3RO 3RP 3RQ 3RR 3RS 3RT 3RU 3RV 3RW 3RX 3RY 3RZ 3SA 3SB 3SC 3SD 3SE 3SF 3SG 3SH 3SI 3SJ 3SK 3SL 3SM 3SN 3SO 3SP 3SQ 3SR 3SS 3ST 3SU 3SV 3SW 3SX 3SY 3SZ 3TA 3TB 3TC 3TD 3TE 3TF 3TG 3TH 3TI 3TJ 3TK 3TL 3TM 3TN 3TO 3TP 3TQ 3TR 3TS 3TT 3TU 3TV 3TW 3TX 3TY 3TZ 3UA 3UB 3UC 3UD 3UE 3UF 3UG 3UH 3UI 3UJ 3UK 3UL 3UM 3UN 3UO 3UP 3UQ 3UR 3US 3UT 3UU 3UV 3UW 3UX 3UY 3UZ 3VA 3VB 3VC 3VD 3VE 3VF 3VG 3VH 3VI 3VJ 3VK 3VL 3VM 3VN 3VO 3VP 3VQ 3VR 3VS 3VT 3VU 3VV 3VW 3VX 3VY 3VZ 3WA 3WB 3WC 3WD 3WE 3WF 3WG 3WH 3WI 3WJ 3WK 3WL 3WM 3WN 3WO 3WP 3WQ 3WR 3WS 3WT 3WU 3WV 3WW 3WX 3WY 3WZ 3XA 3XB 3XC 3XD 3XE 3XF 3XG 3XH 3XI 3XJ 3XK 3XL 3XM 3XN 3XO 3XP 3XQ 3XR 3XS 3XT 3XU 3XV 3XW 3XX 3XY 3XZ 3YA 3YB 3YC 3YD 3YE 3YF 3YG 3YH 3YI 3YJ 3YK 3YL 3YM 3YN 3YO 3YP 3YQ 3YR 3YS 3YT 3YU 3YV 3YW 3YX 3YY 3YZ 3ZA 3ZB 3ZC 3ZD 3ZE 3ZF 3ZG 3ZH 3ZI 3ZJ 3ZK 3ZL 3ZM 3ZN 3ZO 3ZP 3ZQ 3ZR 3ZS 3ZT 3ZU 3ZV 3ZW 3ZX 3ZY 3ZZ 4A 4B 4C 4D 4E 4F 4G 4H 4I 4J 4K 4L 4M 4N 4O 4P 4Q 4R 4S 4T 4U 4V 4W 4X 4Y 4Z 5A 5B 5C 5D 5E 5F 5G 5H 5I 5J 5K 5L 5M 5N 5O 5P 5Q 5R 5S 5T 5U 5V 5W 5X 5Y 5Z 6A 6B 6C 6D 6E 6F 6G 6H 6I 6J 6K 6L 6M 6N 6O 6P 6Q 6R 6S 6T 6U 6V 6W 6X 6Y 6Z 7A 7B 7C 7D 7E 7F 7G 7H 7I 7J 7K 7L 7M 7N 7O 7P 7Q 7R 7S 7T 7U 7V 7W 7X 7Y 7Z 8A 8B 8C 8D 8E 8F 8G 8H 8I 8J 8K 8L 8M 8N 8O 8P 8Q 8R 8S 8T 8U 8V 8W 8X 8Y 8Z 9A 9B 9C 9D 9E 9F 9G 9H 9I 9J 9K 9L 9M 9N 9O 9P 9Q 9R 9S 9T 9U 9V 9W 9X 9Y 9Z 10A 10B 10C 10D 10E 10F 10G 10H 10I 10J 10K 10L 10M 10N 10O 10P 10Q 10R 10S 10T 10U 10V 10W 10X 10Y 10Z 11A 11B 11C 11D 11E 11F 11G 11H 11I 11J 11K 11L 11M 11N 11O 11P 11Q 11R 11S 11T 11U 11V 11W 11X 11Y 11Z 12A 12B 12C 12D 12E 12F 12G 12H 12I 12J 12K 12L 12M 12N 12O 12P 12Q 12R 12S 12T 12U 12V 12W 12X 12Y 12Z 13A 13B 13C 13D 13E 13F 13G 13H 13I 13J 13K 13L 13M 13N 13O 13P 13Q 13R 13S 13T 13U 13V 13W 13X 13Y 13Z 14A 14B 14C 14D 14E 14F 14G 14H 14I 14J 14K 14L 14M 14N 14O 14P 14Q 14R 14S 14T 14U 14V 14W 14X 14Y 14Z 15A 15B 15C 15D 15E 15F 15G 15H 15I 15J 15K 15L 15M 15N 15O 15P 15Q 15R 15S 15T 15U 15V 15W 15X 15Y 15Z 16A 16B 16C 16D 16E 16F 16G 16H 16I 16J 16K 16L 16M 16N 16O 16P 16Q 16R 16S 16T 16U 16V 16W 16X 16Y 16Z 17A 17B 17C 17D 17E 17F 17G 17H 17I 17J 17K 17L 17M 17N 17O 17P 17Q 17R 17S 17T 17U 17V 17W 17X 17Y 17Z 18A 18B 18C 18D 18E 18F 18G 18H 18I 18J 18K 18L 18M 18N 18O 18P 18Q 18R 18S 18T 18U 18V 18W 18X 18Y 18Z 19A 19B 19C 19D 19E 19F 19G 19H 19I 19J 19K 19L 19M 19N 19O 19P 19Q 19R 19S 19T 19U 19V 19W 19X 19Y 19Z 20A 20B 20C 20D 20E 20F 20G 20H 20I 20J 20K 20L 20M 20N 20O 20P 20Q 20R 20S 20T 20U 20V 20W 20X 20Y 20Z 21A 21B 21C 21D 21E 21F 21G 21H 21I 21J 21K 21L 21M 21N 21O 21P 21Q 21R 21S 21T 21U 21V 21W 21X 21Y 21Z 22A 22B 22C 22D 22E 22F 22G 22H 22I 22J 22K 22L 22M 22N 22O 22P 22Q 22R 22S 22T 22U 22V 22W 22X 22Y 22Z 23A 23B 23C 23D 23E 23F 23G 23H 23I 23J 23K 23L 23M 23N 23O 23P 23Q 23R 23S 23T 23U 23V 23W 23X 23Y 23Z 24A 24B 24C 24D 24E 24F 24G 24H 24I 24J 24K 24L 24M 24N 24O 24P 24Q 24R 24S 24T 24U 24V 24W 24X 24Y 24Z 25A 25B 25C 25D 25E 25F 25G 25H 25I 25J 25K 25L 25M 25N 25O 25P 25Q 25R 25S 25T 25U 25V 25W 25X 25Y 25Z 26A 26B 26C 26D 26E 26F 26G 26H 26I 26J 26K 26L 26M 26N 26O 26P 26Q 26R 26S 26T 26U 26V 26W 26X 26Y 26Z 27A 27B 27C 27D 27E 27F 27G 27H 27I 27J 27K 27L 27M 27N 27O 27P 27Q 27R 27S 27T 27U 27V 27W 27X 27Y 27Z 28A 28B 28C 28D 28E 28F 28G 28H 28I 28J 28K 28L 28M 28N 28O 28P 28Q 28R 28S 28T 28U 28V 28W 28X 28Y 28Z 29A 29B 29C 29D 29E 29F 29G 29H 29I 29J 29K 29L 29M 29N 29O 29P 29Q 29R 29S 29T 29U 29V 29W 29X 29Y 29Z 30A 30B 30C 30D 30E 30F 30G 30H 30I 30J 30K 30L 30M 30N 30O 30P 30Q 30R 30S 30T 30U 30V 30W 30X 30Y 30Z 31A 31B 31C 31D 31E 31F 31G 31H 31I 31J 31K 31L 31M 31N 31O 31P 31Q 31R 31S 31T 31U 31V 31W 31X 31Y 31Z 32A 32B 32C 32D 32E 32F 32G 32H 32I 32J 32K 32L 32M 32N 32O 32P 32Q 32R 32S 32T 32U 32V 32W 32X 32Y 32Z 33A 33B 33C 33D 33E 33F 33G 33H 33I 33J 33K 33L 33M 33N 33O 33P 33Q 33R 33S 33T 33U 33V 33W 33X 33Y 33Z 34A 34B 34C 34D 34E 34F 34G 34H 34I 34J 34K 34L 34M 34N 34O 34P 34Q 34R 34S 34T 34U 34V 34W 34X 34Y 34Z 35A 35B 35C 35D 35E 35F 35G 35H 35I 35J 35K 35L 35M 35N 35O 35P 35Q 35R 35S 35T 35U 35V 35W 35X 35Y 35Z 36A 36B 36C 36D 36E 36F 36G 36H 36I 36J 36K 36L 36M 36N 36O 36P 36Q 36R 36S 36T 36U 36V 36W 36X 36Y 36Z 37A 37B 37C 37D 37E 37F 37G 37H 37I 37J 37K 37L 37M 37N 37O 37P 37Q 37R 37S 37T 37U 37V 37W 37X 37Y 37Z 38A 38B 38C 38D 38E 38F 38G 38H 38I 38J 38K 38L 38M 38N 38O 38P 38Q 38R 38S 38T 38U 38V 38W 38X 38Y 38Z 39A 39B 39C 39D 39E 39F 39G 39H 39I 39J 39K 39L 39M 39N 39O 39P 39Q 39R 39S 39T 39U 39V 39W 39X 39Y 39Z 40A 40B 40C 40D 40E 40F 40G 40H 40I 40J 40K 40L 40M 40N 40O 40P 40Q 40R 40S 40T 40U 40V 40W 40X 40Y 40Z 41A 41B 41C 41D 41E 41F 41G 41H 41I 41J 41K 41L 41M 41N 41O 41P 41Q 41R 41S 41T 41U 41V 41W 41X 41Y 41Z 42A 42B 42C 42D 42E 42F 42G 42H 42I 42J 42K 42L 42M 42N 42O 42P 42Q 42R 42S 42T 42U 42V 42W 42X 42Y 42Z 43A 43B 43C 43D 43E 43F 43G 43H 43I 43J 43K 43L 43M 43N 43O 43P 43Q 43R 43S 43T 43U 43V 43W 43X 43Y 43Z 44A 44B 44C 44D 44E 44F 44G 44H 44I 44J 44K 44L 44M 44N 44O 44P 44Q 44R 44S 44T 44U 44V 44W 44X 44Y 44Z 45A 45B 45C 45D 45E 45F 45G 45H 45I 45J 45K 45L 45M 45N 45O 45P 45Q 45R 45S 45T 45U 45V 45W 45X 45Y 45Z 46A 46B 46C 46D 46E 46F 46G 46H 46I 46J 46K 46L 46M 46N 46O 46P 46Q 46R 46S 46T 46U 46V 46W 46X 46Y 46Z 47A 47B 47C 47D 47E 47F 47G 47H 47I 47J 47K 47L 47M 47N 47O 47P 47Q 47R 47S 47T 47U 47V 47W 47X 47Y 47Z 48A 48B 48C 48D 48E 48F 48G 48H 48I 48J 48K 48L 48M 48N 48O 48P 48Q 48R 48S 48T 48U 48V 48W 48X 48Y 48Z 49A 49B 49C 49D 49E 49F 49G 49H 49I 49J 49K 49L 49M 49N 49O 49P 49Q 49R 49S 49T 49U 49V 49W 49X 49Y 49Z 50A 50B 50C 50D 50E 50F 50G 50H 50I 50J 50K 50L 50M 50N 50O 50P 50Q 50R 50S 50T 50U 50V 50W 50X 50Y 50Z 51A 51B 51C 51D 51E 51F 51G 51H 51I 51J 51K 51L 51M 51N 51O 51P 51Q 51R 51S 51T 51U 51V 51W 51X 51Y 51Z 52A 52B 52C 52D 52E 52F 52G 52H 52I 52J 52K 52L 52M 52N 52O 52P 52Q 52R 52S 52T 52U 52V 52W 52X 52Y 52Z 53A 53B 53C 53D 53E 53F 53G 53H 53I 53J 53K 53L 53M 53N 53O 53P 53Q 53R 53S 53T 53U 53V 53W 53X 53Y 53Z 54A 54B 54C 54D 54E 54F 54G 54H 54I 54J 54K 54L 54M 54N 54O 54P 54Q 54R 54S 54T 54U 54V 54W 54X 54Y 54Z 55A 55B 55C 55D 55E 55F 55G 55H 55I 55J 55K 55L 55M 55N 55O 55P 55Q 55R 55S 55T 55U 55V 55W 55X 55Y 55Z 56A 56B 56C 56D 56E 56F 56G 56H 56I 56J 56K 56L 56M 56N 56O 56P 56Q 56R 56S 56T 56U 56V 56W 56X 56Y 56Z 57A 57B 57C 57D 57E 57F 57G 57H 57I 57J 57K 57L 57M 57N 57O 57P 57Q 57R 57S 57T 57U 57V 57W 57X 57Y 57Z 58A 58B 58C 58D 58E 58F 58G 58H 58I 58J 58K 58L 58M 58N 58O 58P 58Q 58R 58S 58T 58U 58V 58W 58X 58Y 58Z 59A 59B 59C 59D 59E 59F 59G 59H 59I 59J 59K 59L 59M 59N 59O 59P 59Q 59R 59S 59T 59U 59V 59W 59X 59Y 59Z 60A 60B 60C 60D 60E 60F 60G 60H 60I 60J 60K 60L 60M 60N 60O 60P 60Q 60R 60S 60T 60U 60V 60W 60X 60Y 60Z 61A 61B 61C 61D 61E 61F 61G 61H 61I 61J 61K 61L 61M 61N 61O 61P 61Q 61R 61S 61T 61U 61V 61W 61X 61Y 61Z 62A 62B 62C 62D 62E 62F 62G 62H 62I 62J 62K 62L 62M 62N 62O 62P 62Q 62R 62S 62T 62U 62V 62W 62X 62Y 62Z 63A 63B 63C 63D 63E 63F 63G 63H 63I 63J 63K 63L 63M 63N 63O 63P 63Q 63R 63S 63T 63U 63V 63W 63X 63Y 63Z 64A 64B 64C 64D 64E 64F 64G 64H 64I 64J 64K 64L 64M 64N 64O 64P 64Q 64R 64S 64T 64U 64V 64W 64X 64Y 64Z 65A 65B 65C 65D 65E 65F 65G 65H 65I 65J 65K 65L 65M 65N 65O 65P 65Q 65R 65S 65T 65U 65V 65W 65X 65Y 65Z 66A 66B 66C 66D 66E 66F 66G 66H 66I 66J 66K 66L 66M 66N 66O 66P 66Q 66R 66S 66T 66U 66V 66W 66X 66Y 66Z 67A 67B 67C 67D 67E 67F 67G 67H 67I 67J 67K 67L 67M 67N 67O 67P 67Q 67R 67S 67T 67U 67V 67W 67X 67Y 67Z 68A 68B 68C 68D 68E 68F 68G 68H 68I 68J 68K 68L 68M 68N 68O 68P 68Q 68R 68S 68T 68U 68V 68W 68X 68Y 68Z 69A 69B 69C 69D 69E 69F 69G 69H 69I 69J 69K 69L 69M 69N 69O 69P 69Q 69R 69S 69T 69U 69V 69W 69X 69Y 69Z 70A 70B 70C 70D 70E 70F 70G 70H 70I 70J 70K 70L 70M 70N 70O 70P 70Q 70R 70S 70T 70U 70V 70W 70X 70Y 70Z 71A 71B 71C 71D 71E 71F 71G 71H 71I 71J 71K 71L 71M 71N 71O 71P 71Q 71R 71S 71T 71U 71V 71W 71X 71Y 71Z 72A 72B 72C 72D 72E 72F 72G 72H 72I 72J 72K 72L 72M 72N 72O 72P 72Q 72R 72S 72T 72U 72V 72W 72X 72Y 72Z 73A 73B 73C 73D 73E 73F 73G 73H 73I 73J 73K 73L 73M 73N 73O 73P 73Q 73R 73S 73T 73U 73V 73W 73X 73Y 73Z 74A 74B 74C 74D 74E 74F 74G 74H 74I 74J 74K 74L 74M 74N 74O 74P 74Q 74R 74S 74T 74U 74V 74W 74X 74Y 74Z 75A 75B 75C 75D 75E 75F 75G 75H 75I 75J 75K 75L 75M 75N 75O 75P 75Q 75R 75S 75T 75U 75V 75W 75X 75Y 75Z 76A 76B 76C 76D 76E 76F 76G 76H 76I 76J 76K 76L 76M 76N 76O 76P 76Q 76R 76S 76T 76U 76V 76W 76X 76Y 76Z 77A 77B 77C 77D 77E 77F 77G 77H 77I 77J 77K 77L 77M 77N 77O 77P 77Q 77R 77S 77T 77U 77V 77W 77X 77Y 77Z 78A 78B 78C 78D 78E 78F 78G 78H 78I 78J 78K 78L 78M 78N 78O 78P 78Q 78R 78S 78T 78U 78V 78W 78X 78Y 78Z 79A 79B 79C 79D 79E 79F 79G 79H 79I 79J 79K 79L 79M 79N 79O 79P 79Q 79R 79S 79T 79U 79V 79W 79X 79Y 79Z 80A 80B 80C 80D 80E 80F 80G 80H 80I 80J 80K 80L 80M 80N 80O 80P 80Q 80R 80S 80T 80U 80V 80W 80X 80Y 80Z 81A 81B 81C 81D 81E 81F 81G 81H 81I 81J 81K 81L 81M 81N 81O 81P 81Q 81R 81S 81T 81U 81V 81W 81X 81Y 81Z 82A 82B 82C 82D 82E 82F 82G 82H 82I 82J 82K 82L 82M 82N 82O 82P 82Q 82R 82S 82T 82U 82V 82W 82X 82Y 82Z 83A 83B

GARMIN ADAHRS
CO PILOT GSU 75H

AIRCRAFT POWER 1
AIRCRAFT POWER 2
POWER GROUND
POWER GROUND

CONFIG MODULE GROUND
CONFIG MODULE POWER OUT
CONFIG MODULE DATA
CONFIG MODULE CLOCK

RS-422 IN A
RS-422 IN B

RS-232 OUT AHRS 3
MAGNETOMETER POWER OUT
MAGNETOMETER GROUND

SYSTEM ID 2*
SIGNAL GROUND

OAT POWER
OAT HI
OAT LO

ARINC 429 OUT ADAHRS 1A
ARINC 429 OUT ADAHRS 1B

RS-232 OUT ADC 1
RS-232 IN ADC 1
RS-232 ADC 1 GROUND

RS-232 OUT AHRS 1
RS-232 IN AHRS 1
RS-232 AHRS 1 GROUND

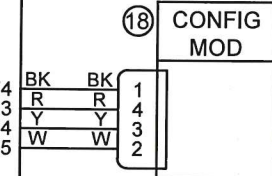
ARINC 429 OUT ADAHRS 2A
ARINC 429 OUT ADAHRS 2B

LOC: UPPER NOSE SHELF

(2006-2P751) (15) (16) (17)

2006-2ADHRS001A20

2006-2ADHRS003A20N



10 W
11 B

12 W
13 B
33 O

57
48 JUMPER

6 W
5 B
4 O

27 W
7 B

69 W
70 B
68 O

51 W
52 B
32 O

49 W
50 B

2006-2ADHRS302A22

2006-2GDU301A22

2006-2GDU302A22

2006-1SAM203A22

2006-1N3
D 2

LOC: AFT CENTRE CONSOLE

(32) (31) (2006-8P2)

(2006-8J2) (33) (34)

A
B
C
D
E
F
G

LOC: TAILBOOM

COPLT

3A NON-ESS AVIONICS BUSS
ADAHRS REF: D212-725-2-G2 REV. C

(23) (22) (21) (2006-2P441)

4 W
2 B
1 O

8 W
9 B
6 O
3 N/C
5 N/C
7 N/C

W
B
O

LOC: BELLY AFT CTR PED

(2006-2P4)

1 W
21 B

19 W
20 B
18 O

16 W
17 B
15 O

CONT. FROM SHEET 3
GARMIN GDU 1060
CO-PILOT PFD / MFD

ARINC 429 IN 1A
ARINC 429 IN 1B

RS-232 IN 5
RS-232 OUT 5
RS-232 GND 5

RS-232 IN 6
RS-232 OUT 6
RS-232 GND 6

LOC: INST PNL

(2006-5P1)

12 W
13 B

STANDBY ATTITUDE MODULE
PLT INSTRUMENT

ARINC IN 1 A
ARINC IN 1 B

REF: E2006-11-13
LOC: INST PNL



TITLE
GARMIN G500H TXI
WIRING DIAGRAM

DATE: 2021-11-30 DWG: E2006-11-1 REV B SHEET 5 OF 5

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