



Approach Fast Stack

Customer:

Brett Ferrell 09-275

Serial :

P0922275-01

Pin Designations:

- CDI LT
- CDI RT
- VDI UP
- VDI DN
- CDI VALID +
- CDI VALID -
- VDI VALID+
- VDI VALID -
- ANALOG IN 4 / OBS
- ANALOG IN 3 / VLOC
- ANALOG IN 2 / GPS
- ANALOG IN 1 / ILS
- FUTURE AUDIO OUT
- ARINC IN 1A #1
- ARINC IN 1B #1
- ARINC IN 2A #1
- ARINC IN 2B #1
- ARINC OUT 1A #1
- ARINC OUT 1B #1
- SERIAL OUT-5 #1
- SERIAL IN-5 #1
- SERIAL OUT-6 #1
- SERIAL IN-1 #1
- SERIAL OUT-1 #1
- SERIAL IN-6 #1
- SERIAL IN-6 #1 to IN-6 #2
- SERIAL IN-1 #1 to IN-1 #2
- SERIAL IN-5 #1 to IN-5 #2
- SERIAL IN-4 #1 to IN-4 #2
- SERIAL IN-4 #2 PIGTAIL TO EIS
- EFIS #1 IN-2 to AHRS-1
- EFIS #1 OUT-2 to AHRS-1
- EFIS #1 IN-3 to AHRS-2
- EFIS #2 IN-3 to AHRS-1
- EFIS #2 IN-2 to AHRS-2
- EFIS #2 OUT-2 to AHRS-2
- EFIS #1 OUT-7 to CO Guardian
- EFIS #1 IN-7 to CO Guardian
- EFIS #2 OUT-7 to CO Guardian
- EFIS #2 IN-7 to CO Guardian
- EFIS #1 OUT-8
- EFIS #1 IN-8
- EFIS #2 OUT-8
- EFIS #2 IN-8
- PULL-UP RESISTORS**
- #1 12-40V POWER
- #1 12-40V BATTERY PWR
- #1 GROUND
- #2 12-40V POWER
- #2 12-40V BATTERY PWR
- #2 GROUND

A1 NAV IND 1 HD26M	A2 MFD HD44M	B1 (A) EFIS #1 W ARINC DB25F	B2 (B) EFIS #1 W ARINC DB25M	B3 (C) EFIS #1 W ARINC DB9M	C1 (A) EFIS #2 W GPS DB25F	C2 (B) EFIS #2 W ARINC DB25M	SHIELD
11					6		
12					7		
13					9		
14					8		
7					11		
8					10		
15					13		
16					12		
23			18 (+10K)			18	
18			19 (+10K)			19	
17			20 (+10K)			20	
24			21 (+10K)			21	
	8		24				1-1
	42(bl)			1			2-1
	43(wh)			2			2-2
	39(bl)			3			3-1
	38(wh)			4			3-2
	36(bl)			5			4-1
	37(wh)			9			4-2
	7	3					5-1
	6	22					6-1
	1	1					7-1
	19	20					8-1
	2	2					9-1
	3	24					10-1
		24			24		11-1
		20			20		12-1
		22			22		13-1
		21			21		14-1
					21		15-1
		19(bl)					16-1
		4(wh)					16-2
		23					17-1
					23		17-1
					19(bl)		18-1
					4(wh)		18-2
			22(bl)				19-1
			23(wh)				19-2
						22(bl)	20-1
						23(wh)	20-2
			6(bl)				21-1
			7(wh)				21-2
						6(bl)	22-1
						7(wh)	22-2
			(4-10k)				#20 Red
		14,15,16					3- #20 Red
		18					#20 Red
		17					#20 Black
					14,15,16		3- #20 Red
					18		#20 Red
					17		#20 Black

See NOTES

Required hub mod

TO AUTOPILOT
GPS DATA
FUEL/AIR DATA

SL-30 / 40

TIS from GTX-330

Connect shields at B1 to B1 pin 17. Connect shields of wires going to the same pin together.

PIGTAIL TO EIS OUTPUT

To AHRS-1 pin 1
To AHRS-1 pin 5
To AHRS-2 pin 3
To AHRS-1 pin 3
To AHRS-2 pin 1
To AHRS-2 pin 5

See NOTE

RS232 Pigtails to CO Guardian - Connect Shields to GROUND at CO Guardian.

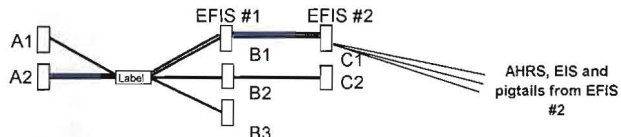
For Possible Future Use

Customer Specific Instructions:

NOTE: Cable designed for use as NAV IND 1 only. Customer must cross-connect the EFIS HX screens with an ethernet cable. The dual AHRS should be connected shown in the block diagram if a GPS MODULE is installed then Serial port 1 may only be used for GPS data (it may not be used for other data). The HX use Ethernet rather than Serial ports for Inter Display Unit communications. The WX Works receiver connects to an HX by USB interface and cable, rather than one of the eight serial ports. Insulate and tuck away any unused wires. Grayed out items not wired.

Special Instructions:

Length from A1/A2 to B1/B2/B3 (EFIS #1) - 44"
Length from B1/B2 (EFIS #1) to C1/C2 (EFIS #2) - 18"
Length from AHRS1 and 2 from EFIS #2 - 24" (add length between units)
Length EIS pigtail from EFIS #2 - 16 feet
Power / Ground / Other pigtails - 48"
Connect A1-26, A2-44 to shields, braid and connector shell.
Milspec connectors with gray backshells used on client.



NOTE: Connect one end of each 10k 1/4w pull-up resistor to B2 pin 18, 19, 20 and 21. Connect the other end of these resistors to a single 4 foot long #22 red wire labeled PULL-UP RESISTORS. Connect all AHRS wire shields to the GROUND (pin 17) at the associated connectors and run them from EFIS #2. Multiple wires connected to some pins.

Cable Name:	DUAL GRT EFIS HX		
Cable Part Number:	7120-0544	Voltage:	14
Hub Compatibility:	PRO	Revision:	B1
Updated By:	djm	Date:	3/31/2009
ENG. Approval:	tnh	Date:	3/31/2009
MFG. Approval:	tnh	Date:	3/31/2009
QC Approval:		Date:	
ECO:		Date:	
Printed:	5/29/2009		