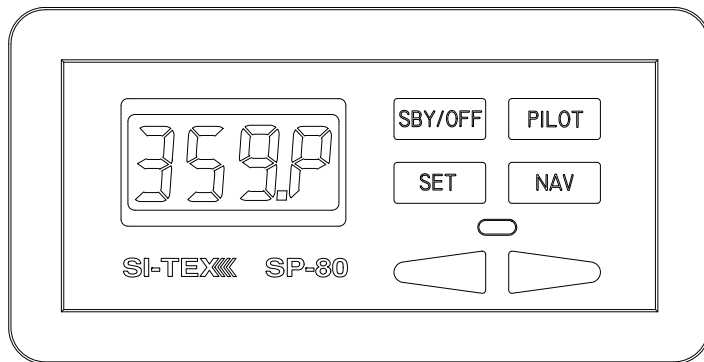


# SI-TEX MARINE ELECTRONICS INC

#800 - 11001 Roosevelt Blvd  
St. Petersburg, Florida 33716  
Phone (727) 576-5995

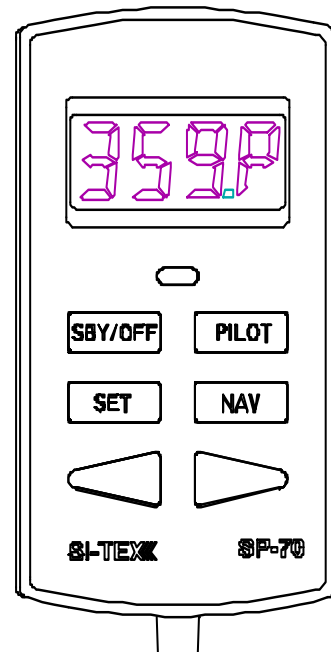
## INSTALLATION and OPERATION MANUAL SI-TEX SP-70 AND SP-80 AUTOPILOTS

### Addendum 1 Wiring the Control Unit & Compass *(New Cable Colour Codes)*



**SP-80 AUTOPILOT**

**SP-70 AUTOPILOT**



## **Introduction**

There is an alternate new cable type for the SP-80 Control Unit cable and the Fluxgate Compass cable. This cable has a different colour code than the original cable type, although it is otherwise identical.

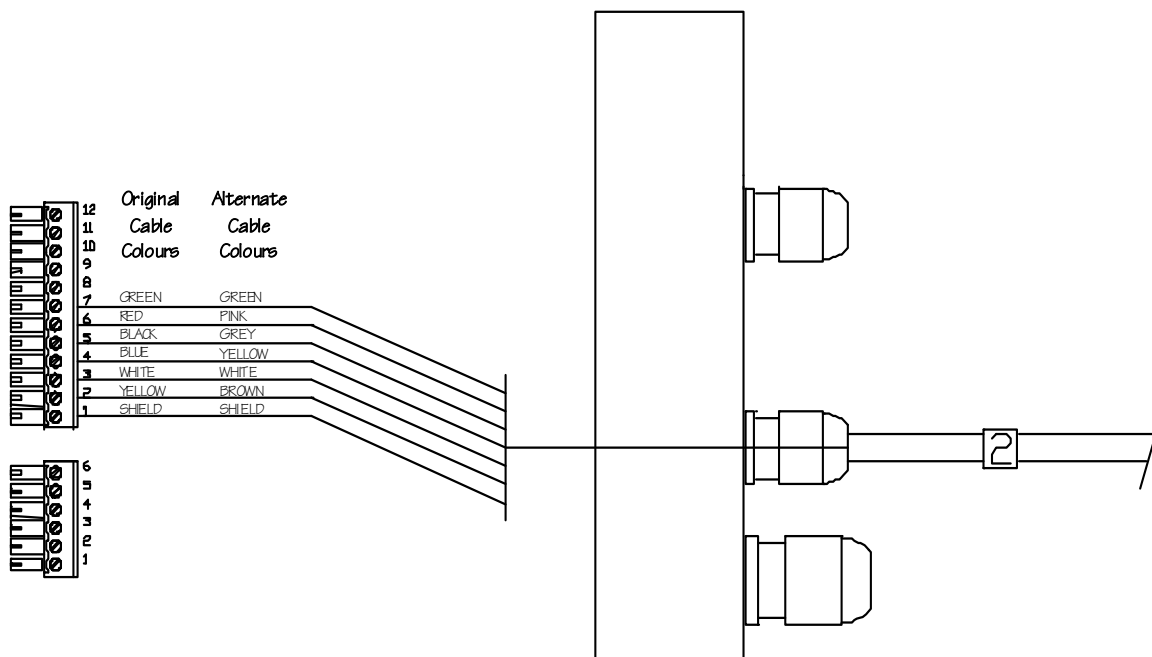
As well, there is now an alternate SP-70 Control Unit Receptacle cable, with a different colour code than the original cable.

Starting with systems manufactured in the Summer of 2009, either the original or the alternate type of cable may be used, for any of the items above.

As a result, the wiring information for the SP-70 Control Unit Receptacle cable, the SP-80 Control Unit and the Fluxgate Compass, in the Installation & Operation manual (PN 20910049, version 1.2, April 2004) must be revised.

Please use the next two pages of this Addendum, instead of pages 37 & 38 in the current manual.





**Right Side, Cable 2 (Compass) to J6**

**Be Careful**

*The entire stripped end – but no portion of the insulation – of all wires into the terminal strip plugs must be completely inside the plugs. The stripped ends of wire must not be able to touch each other.*

*Every wire must be connected to the correct terminal on its plug!*

**Connections For Fluxgate Compasses**

J6 PIN	Cable 2		Signal Function	
	Original Wire Colours	Alternate Wire Colours	SP-70/80 Fluxgate Compass	Other Compass
1	SHIELD	SHIELD	GROUND	GND
2	YELLOW	BROWN	COSINE	COSINE *
3	WHITE	WHITE	REF	REF
4	BLUE	YELLOW	SINE	SINE *
5	BLACK	GREY	DRIVE P2	N/C **
6	RED	PINK	DRIVE P1	N/C **
7	GREEN	GREEN	+12V	+12V

\* If the compass reading is reversed, swap these two wires

\*\* These wires must not be connected to any compass other than the one supplied with the SP-70/80