- All 3 conductor jacketed non-shielded wire may be replaced with twisted wires of the same AWG size and the same wire color.

- Do not cover wires with wire net. Harnesses are to be bundled with lacing chord, with the exception of blue tie-wraps used at bulkhead stations.

- Harness must be tested with all avionics in accordance with the "Electrical System Bench Test Procedure". Results are to be recorded.

- Use only Nor-Comp backshells on D-sub connectors (with the exception of 50-pin connectors) ESSA01017 sockets or ESSA-1018 pins. All crimps to be made per MIL-C-22520F (1.2.2) using a type 1 tool.

- Connect all 20-24 AWG wires to D-subs using ESSA01017 sockets or ESSA-1018 pins. Permissible to strip 18 AWG wire to fit.

- Use MIL-I-23053 Heatshrink. Contact Van's about using other equivalents.

WIRE HARNESS NOTES

1. Check Stall Warning
2. Check NAV/Strobe Lights
3. Check Landing Lights (Both if applicable)
4. Check Wig Wag Function
5. Check Co-Pilot Trim Buttons (Both Directions)
6. Check Pilot AP Disconnect Switch
7. Check Co-Pilot TX Button
8. Check Pilot Mic Jack for Xmit
9. Check PFD recognizes COM, and can push frequencies to COM radio
10. Check Dimmer (Note PCB portion will be checked during AV-60000 Check)
11. Check canopy latch switch
12. Check flap motor function both directions
13. Check for power output at USB connectors / Power Outlet
14. If installed check XM music output to headset.

WARNING EMERGENCY LIGHTING SOURCE 14V

- 1 USER LISTS - 2 TUNE EMERGENCY SOFTKEY SETUP

D-SUB PIN NUMBER

ORANGE: MATCHED DATA PAIR
WHITE: DATA
RED: POWER
BLUE: AUDIO
GREEN: 100V MAX
WHT: 40V MAX
...

CONNECTORS)

NAME LENGTH

TC RADIO CONTROL
TP BEACON TQ TRANSMITOR RECEIVER
PCB TRACE
GBU
EDC-10A GND
A CONNECTOR BY BUILDER

WARNING EMERGENCY LIGHTING SOURCE 14V

- 1 USER LISTS - 2 TUNE EMERGENCY

SOFTKEY SETUP

D-SUB PIN NUMBER

ORANGE: MATCHED DATA PAIR
WHITE: DATA
RED: POWER
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GREEN: 100V MAX
WHT: 40V MAX
...

CONNECTORS)

NAME LENGTH
SEE WH-00032 AND WH-00033 RV-12iS WING HARNESS DRAWINGS.

THESE COMPONENTS NOT INCLUDED IN AVIONICS KIT, NOR PART OF THE WH-00133.

APPROVED DATE

DESCRIPTION

REV

REVISIONS