**ELECTRICAL SYSTEM BRANCH TEST PROCEDURE**

- **Articulation Group**
  - Check Key switch connects HIC connector start pins
  - Check Stall Warning
  - Check for power output at USB connectors / Power Outlet
  - Check flap motor function both directions
  - Check canopy latch switch
  - Configure COM radio in accordance with "GTR 200B Internal Presets" or "Trig TY96 Internal Presets"

- **Avionics Group**
  - Setup AP servos if installed
  - Turn on all switches. Check that all lighted switches lights turn on and dim. (Ignore wires going to cabin light.)
  - Verify proper trim direction movement on screen indicator and servo with input

- **Audio Group**
  - MIC 1 GAIN:
  - MIC 2 GAIN:
  - INTERCOM SQLCH:
  - MUSIC IN VOLUME:
  - SIDETONE VOLUME:

- **Control Group**
  - Check Pilot TX Button
  - Check Co-Pilot AP Disconnect Switch
  - Check fuel pump A and B switches for function

- **Discrete Setup**

- **Hazardous Notes**
  - WARNING: Refer to the wiring diagrams and caution labels included with the unit before attempting any repair or maintenance work.
  - CRIMPED SOLDERED: PVC, & AMP TERMINALS are to be crimped with the manufacturer's recommended crimping tool.
  - CRIMPED TERMINALS are to be soldered individually with no flux.

- **Notes**
  - Not all switches are used. Some are switches are inactive or used for other purposes.
  - All conductors have been pre-terminated and shielding added to the harnesses as required.
  - Not all wires in the harness are identified in this drawing. Refer to Van's internal wiring diagram for complete wiring information.

- **Special Electronic**
  - All harnesses are supplied to Van's for each harness.

- **Tolerances**
  - All crimped terminals are to be made per MIL-C-22520F (1.2.2) using a Type 1 tool.

- **Wire Number**
  - The wire number is stated in the drawing as applicable.

- **Wiring Notes**
  - Use MIL-I-23053 HEAT SHRINK. Contact Van's about using other equivalent.
  - Use M22759/16 or M27500 TEFZEL AIRCRAFT WIRE. Contact Van's about using other equivalent.

- **Wiring System**
  - All harnesses are to be individually pulled.

- **Wires**
  - All wires are to be identified with wire tags.
  - All wires are to be marked with wire numbers.

- **Wiring Key**
  - All wire colors shown in this drawing are representative.
  - All crimped terminals are to be made per MIL-C-22520F (1.2.2) using a Type 1 tool.
  - All crimped terminals are to be made with the manufacturer's recommended crimping tool.

- **Wiring Zones**
  - Orange: Electrical System
  - Green: Engine Group
  - Red: Wing Group

**DISCRETE SETUP**

**GTR 200B PRESET NOTES**

- THE ABOVE SETTINGS CORRESPOND TO ALL SETTINGS NOT DEFINED BY THIS DRAWING
- 2 DISABLED
- 1 USER LISTS
- PILOT RT NO
- AUX 2 VOL 50%
- AUX 2 SQLCH 30%
- RECIEVE OUT GAIN 100%
- MON SWAP ON
- MIC GAIN 05
- SIDETONE 05
- CONTRAST +0
- KEY BEEP VOL 50%
- ICS 3D ON
- ICS MUTE MUSIC OFF
- COM MUTE ON
- ICS SQLCH AUTO
- MUSIC VOL 75%
- "MENU" BUTTON OPTIONS

**TRIG TY96 INTERNAL PRESETS**

- ARE ACCEPTABLE AS CONFIGURED FROM MANUFACTURER.

**GTR 200B INTERNAL PRESETS**

- ARE ACCEPTABLE AS CONFIGURED FROM MANUFACTURER.

**Tyro 912/S SkyView**

**ELECTRICAL SYSTEM**

**Van's Aircraft, Inc.**

**ROTAX 912/S SKYVIEW**
THESE COMPONENTS NOT INCLUDED IN AVIONICS KIT, NOR PART OF THE WH-00133.

SEE WH-00032 AND WH-00033 RV-12iS WING HARNESS DRAWINGS.
COM-RADIO - TRIG TY96

1. TRIG TY96 MUST BE INSTALLED IN FLATPLUG HARNESS OR USE BACK SHELL ONLY.
2. COVER UNUSED HARNESS WITH HEAT SHRINK AND SECURE TO HARNESS NEAR TY96 CONNECTOR.

COM RADIO - GTR 200B

CO-PILOT HEADSET JACKS

- Co-Pilot Headset Jacks
- Co-Pilot Mic
- Audio Power for LEMO (If Installed)

PILOT HEADSET JACKS

- Pilot Headset Jacks
- Pilot Mic
- Audio Power for LEMO (If Installed)

OAT PROBE

- Optional Audio Output
- Optional LEMO Jack

OPTIONAL AUDIO OUTPUT

- Connects to audio output from com radio

OPTIONAL LEMO JACK

- Connects to LEMO connector for overhead audio

PHOTO CLIP CABLE

- Connects to overhead audio cable

HEADPHONE (R)

- Headphone (Right)

HEADPHONE (L)

- Headphone (Left)

MIC GND

- Microphone Ground

AUDIO GND

- Audio Ground

AUDIO PWR

- Audio Power

INCHES

- Measurements in inches

VAN'S AIRCRAFT, INC.

R0TAX 912/S SKYVIEW ELECTRICAL SYSTEM

Page: 1 of 1

WH-00133

06/11/18

Revision: NONE

Dimensions: 22" x 17"

Drawing Created by: John Johnson

Drawing Number: WH-00133

Drawing Date: 06/11/18

Drawing Sheet: Page 4 of 11

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NOTE: THE HIC CONNECTOR MODULE MUST BE ATTACHED TO F-1202B WITH STAR WASHERS UNDER THE SCREWS.