Certified Power / Cirus Freedom 2

Written By: Alkesh Dhak

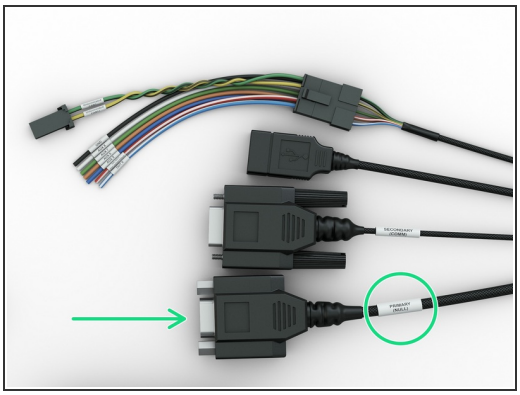


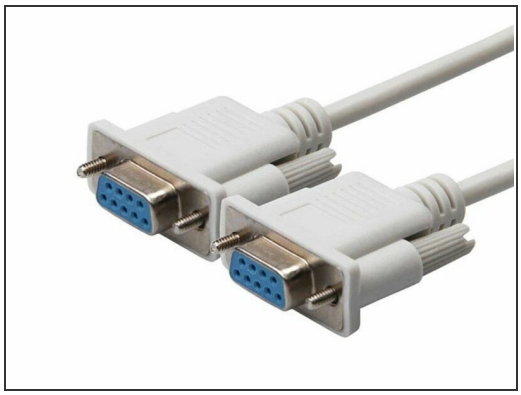
© 2024 - Uncontrolled If Printed

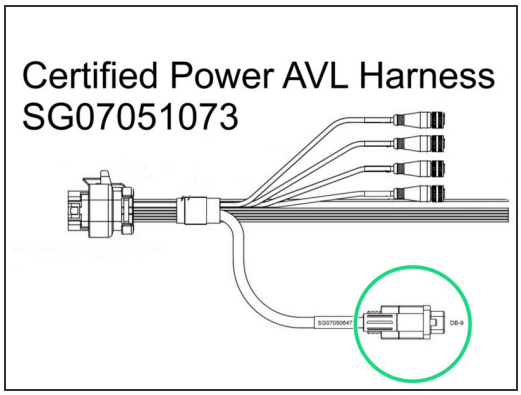
— Requirements

- The Certified Power / Cirus Freedom 2 and 2.1 both require firmware and, the addition of the Certified Power / Cirus SG07051073 AVL harness.
- The Certified Power / Cirus SG07051073 AVL harness must be installed by a Certified Power / Cirus technician.
- Only the Certified Power / Cirus Freedom 2.2 is AVL ready (having both firmware and harness).
- Confirm that the firmware on the main power-up screen is version 6 or greater.
- Prior to installation, contact your Certified Power representative for instructions on how to enter the menu system as an administrator.

— Installation







- The IOX-WRKS primary port connects to the AVL DB9 serial port on the Certified Power AVL Harness using the standard null cable HRN-DB9NM.

© 2024 - Uncontrolled If Printed

— Controller Configuration

ⓘ Confirm that the data format is “String 1".

- Select [System Setup].
- Select [Telematics].
- Set to "String 1" and save settings.
- Reboot the controller.

ⓘ The data will now be correctly formatted and the baud rate will be set to "9600".

ⓘ Set the controller to 10 second reporting intervals.

- Login to the controller as "admin" (password is “admin”).
- Select [Setup].
- Select [Telematics].
- Use the drop down menu to change [Breadcrumb Rates] to "10".
- Save the settings and exit the menu.

Ensure the IOX-WRKS has the correct controller configuration loaded before proceeding to verification / simulation mode.

© 2024 - Uncontrolled If Printed

— Simulation Mode



- Using the buttons and the LCD screen, follow the instructions below to place the Certified Power / Cirus Freedom 2 into Simulation Mode for verification.

ⓘ Place the controller in “Manual” mode. This will simulate ground speed and allow for data capture and verification. Return the controller to "Auto" mode after verification is complete.

⚠ If "Manual" mode is unavailable on the operator screen, follow the instructions below.

- Press and hold the MODE button on the operator panel, or touch the side bar on the screen.
- Select [Technician] and enter the password (default is blank). Press "Okay".
- Set the [Test Speed] to "30MPH" and make sure you are in "Auto Pause".
- Set the [Material Rate] on screen to "200lbs/mi". Press "Pause".
- Perform data capture and verification.
- Place the controller back into its original settings after verification is complete.

⚠ **Never leave a controller in simulation mode!**

This document was generated on 2024-12-26 11:33:37 PM (MST).

This document was generated on 2024-12-26 11:33:37 PM (MST).

© 2024 - Uncontrolled If Printed