Force America 5100EX

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INTRODUCTION

[video: https://youtu.be/_0tk-Dq2JZA]

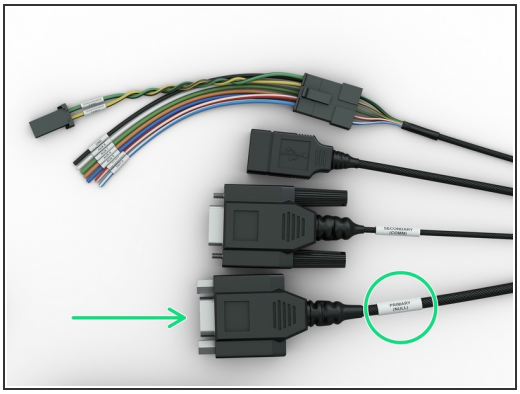
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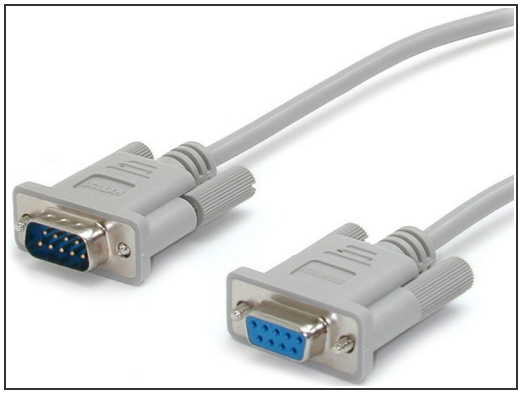
— Requirements

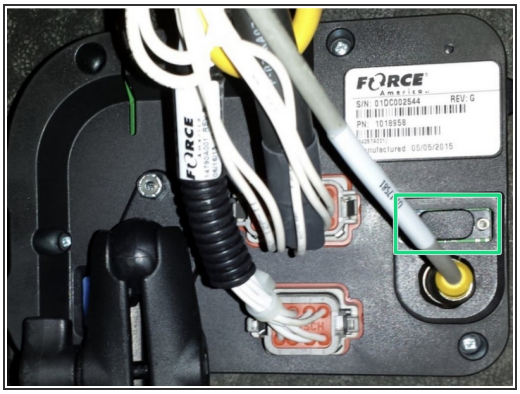


- If the Force America 5100EX is installed with the joystick control, then the Force America part number 1104107 - COM Port “Y” cable is required to allow dual COM connections for both the joystick control and IOX-WRKS.
- The Force America part number 1104107 - COM Port “Y” cable is available from Force America.

— Installation







- The IOX-WRKS primary port "must" connect to the serial port on the back of the Force America 5100EX with the HRN-FAI cable. Interference with the controller will occur if an improper cable is used.

— Controller Configuration



- Connect the IOX-WRKS primary port to the serial port on the Force America 5100EX using the HRN-FAI cable.
- Power on the Force America 5100EX controller.
- Enter the [Calibration] menu.

An access code may be required and can be obtained from your Force America representative.

- Under the [Calibration > Config] menu, set [Event Logging] to "AVL".
- Press "Ok" to save the setting and exit the calibration menu.

The Force America 5100EX controller is now configured to stream data to the IOX-WRKS.

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

— Simulation Mode

- Set [Spinner], [Conveyor] and [Liquid] to desired settings.
- Press the green knob (on and off) on the controller to trigger an event change.
- Verify the data.

— Troubleshooting

ⓘ A computer can be used to confirm data is flowing from the serial port on the Force America 5100EX controller.

- Connect your computer's COM port using a using the HRN-FAI cable to the serial port on the Force America 5100EX controller.
- Open up a Terminal application, select the correct COM port on your computer and set the baud rate to "9600".
- Press the green knob (on and off) on the controller to trigger an event change.
- Each time the controller sends data you will be able to see it in the Terminal application.

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