

**To: All Distributors  
Regional Sales Managers and National Sales Manager**

**From: Technical Support**

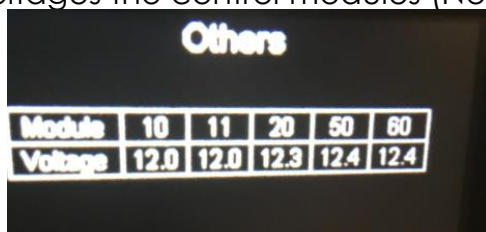
**Model: All with IFM Multiplex Control System**

**Subject: Control Module (Node) Supply Voltage**

A benefit to the IFM multiplex control systems used on Labrie and Wittke products is the ability to verify inputs and outputs through the display screen quickly, without the need to connect a diagnostic reader or laptop PC. However, prior to checking the status of these outputs, the supply power voltage for each control module (Node) must be checked to ensure that it is at least 12 volts.

Effective on production models manufactured in early 2017, the diagnostic features of the IFM multiplex control system have been further enhanced; supply voltages for the control modules (Nodes) may now be checked through the on-board display, as follows:

1. Turn the ignition switch to the "run" position, activating the IFM display.
2. On the IFM display, select "Menu", then select "I/O Status".
3. Using the up/down arrows on the directional pad, scroll down and select "Others".
4. The real-time supply voltages the control modules (Nodes) will be displayed:



Others					
Module	10	11	20	50	80
Voltage	12.0	12.0	12.3	12.4	12.4

If voltage(s) are below 12 volts, check the supply power to the module; if all voltages are below 12 volts, check the chassis battery voltage.

This helps diagnose error messages such as a module disconnected or functions of a module not receiving their outputs. Once the supply voltages have been verified, further troubleshooting of various outputs may then be investigated.

**Please contact LabriePlus at (800) 231-2771 with any questions or for further information.**