

To: All Distributors
Regional Sales Managers and National Sales Manager

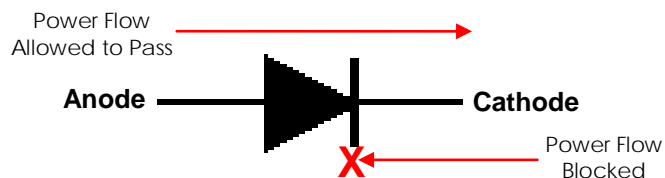
From: Technical Service

Model: All

Subject: Diode Testing

A diode is a one way electrical "check valve", that will only allow electrical power to pass in one direction. This is used when multiple circuits are connected together with a single point of contact, either power or ground, to allow each circuit to act independently without supplying power to other circuits.

To test a diode or diode pack, a digital multimeter with a resistance and/or a diode test setting is required. To test a diode we must first understand the power's path of flow within the diode. The diode symbol on wiring schematics is:



The " | " is "blocking" the power from going against the direction of the arrow as a visual reference for path of flow within the circuit.

To test, set the multimeter to resistance or diode test, and put the positive (red) lead on the anode side, and the negative (black) lead on the cathode side. With the multimeter should read very low ohms of resistance, roughly 0.1. This verifies the diode is allowing power to flow from anode to cathode (following the direction of the arrow). If the resistance is high, the diode is damaged and must be replaced.

Next, reverse the location of the test leads by putting the negative (black) test lead on the anode side and the positive (red) lead on the cathode side. The multimeter should read very high ohms of resistance (k-ohm or open range). If the resistance is low, the diode is damaged and must be replaced.

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