Technote 21006

Proximity sensor testing

10 Jun 2021

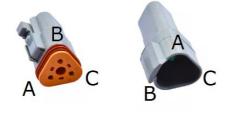
Symptoms

Erratic sensor speed readings Loss of sensor speed Incorrect application rates

Notes

The sensors read metal, NOT magnets LED on sensor, shows when it is activated, with metal in front of the tip Sensor adjustment, tip to metal gap should be 2mm Tighten gently, sensors will split if overtightened

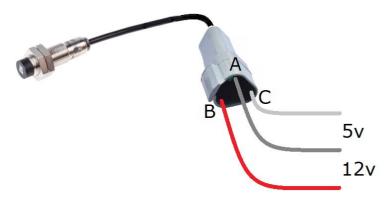
Connector Pin A = Ground, Pin B = 12v Power, Pin C = Sensor Signal



Sensor Testing

Do the tests below with the sensors connected to the harness (use breakout wires) Replace the sensor if the readings below don't match

Test 1: No metal in front of tip, LED is off, multimeter on A+B shows 12v, multimeter on A+C shows 5v



Test 2: Metal in front of tip, LED is on, multimeter on A+B shows 12v, multimeter on A+C shows 0v to 1v

