

**This page describes how to test your alternator diodes.**

The following test is a static test and you will require a digital multi meter (DMM) selected onto DIODE mode

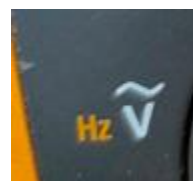


### **Alternator test static**

- Disconnect any terminals on the B+ (battery) terminal
- Using the red and black test leads probe between B+ and alternator ground, Red to B+ Black to Ground, note reading, should be 0
- Reverse those two connections, Black to B+ and Red to Ground, note reading, should be 0
- If this is the case i.e. both read the same then the diodes are good, if they read as per the following images then the diodes are bad



### Another test if Alternator is still fitted on engine



- Using a digital volt meter, set to AC volts
- Using the red and black test leads probe between B+ and alternator ground, Red to B+ Black to Ground, note reading, should be 0
- Voltage should be below 0.5v AC
- Reverse those two connections, Black to B+ and Red to Ground, note reading, should be 0
- If any greater than 0.5vAC your alternator diodes are at fault and need to be rectified as they will damage delicate electronics on board, including the ZM5