

Causes of unwanted voltage drops

Corrosion

From: normal ageing (oxide formation /road salt)

From: electrolysis - use of dissimilar metals

From: corroded wires someone else pierced long ago and never sealed.

Mis-matched connectors.

Loose connections on the voltage feed side.

Loose connections on the ground side.

Symptoms of unwanted voltage drops

- 1. Dash gauges that tell lies (full fuel tank when it is not).**
- 2. False computer codes.**
- 3. Intermittent loss of an accessory.**
- 4. Intermittent ignition misfires.**
- 5. Lean misfire of injector.**
- 6. Intermittent injector misfires.**
- 7. High computer sensor voltage values.**
- 8. Low voltage power to and computer or module forcing it into back-up mode.**
- 9. Sluggish alternator operation.**
- 10. Static noise in the radio from electromagnetic Interference.**
- 11. Sluggish starter operation.**
- 12. Headlights, tail lights, dome light, etc. that are dim.**

Do a feed and ground side voltage drop check of the chassis, block, accessories, as a first priority when troubleshooting electrical problems.