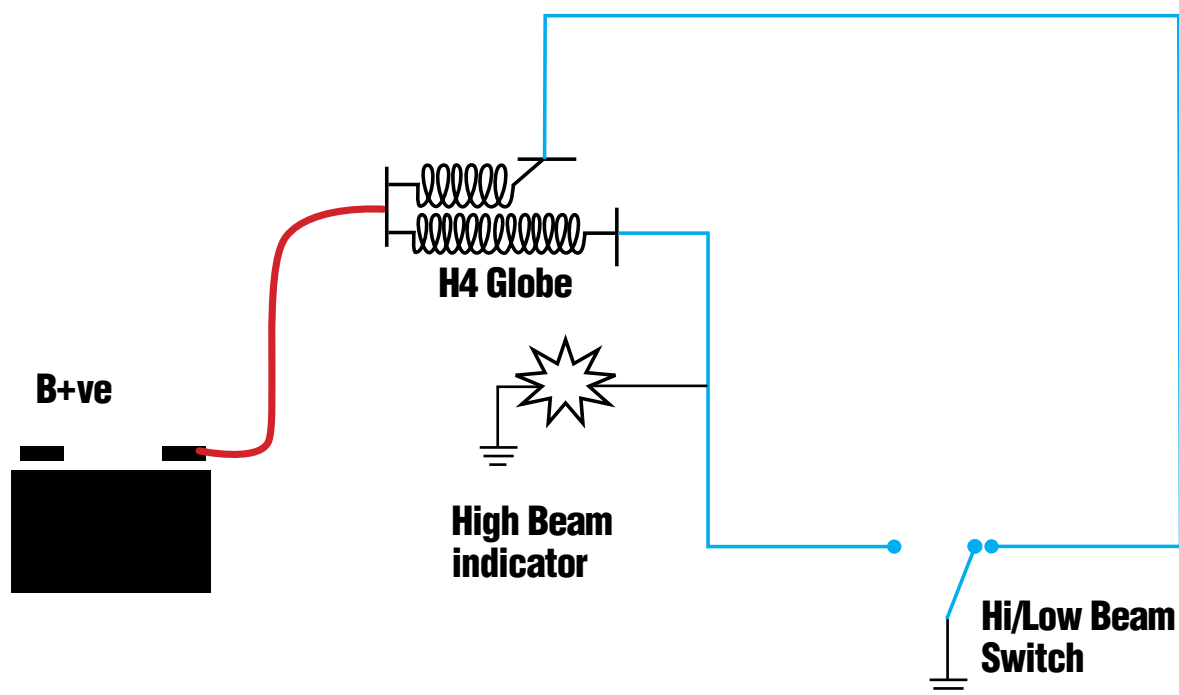


## What does MPPT mean in Solar Terminology?

Positive Switching for headlights is now common and we have covered the issue of wiring up Driving Lights in Tech Tip 75.

This is one problem associated with Positive switching, another one can come about when fitting LED Headlights and there is insufficient resistance on the low beam circuit to operate the High Beam warning light in the dash.

Looking at the circuit below you will see that the High Beam indicator is normally connected in many vehicles (particularly Toyota) to the low beam circuit that is essentially "alive" when High Beam is on due to the low resistance of the Low Beam filament compared to the load of the High Beam indicator Lamp. In other words the current available through the 55Watt Low beam filament is more than adequate to illuminate the High Beam indicator with no effect on the Low Beam filament.



A Simple plug and play fix for this is to use an LV9322 Resistor Kit that is made for use with H4 Canbus to provide a load, and can also be used here to provide a load that will allow the High Beam indicator to operate correctly.



LV9322