

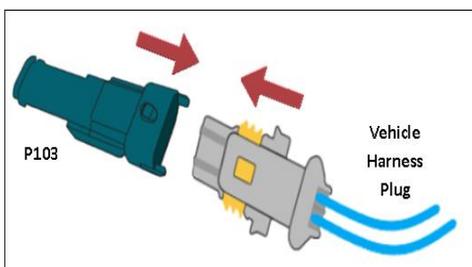
## Alternator installation instructions for 2005 and newer GM trucks with RVC System.

The MechMan alternator you have purchased has a different style plug on it for a reason. We use this standard GM internal regulator, and include the necessary single wire P101 pigtail harness, so that the MechMan alternator bypasses the engine computer's ability to lower the charging voltage setpoint so that charging voltage is more consistent. This modification will also simplify your battery cable wiring, as you will no longer need to run the battery ground cable through the OEM RVC sensor located on the original negative (ground) battery cable. This modification also makes the entire charging system work better, especially if you have multiple batteries installed.

### Installation Steps:

Simply plug the **P101** pigtail into the alternator. Connect the yellow wire from the **P101** to a 12 volt ignition switched source. This can be any circuit in the fuse box that supplies battery voltage when the ignition is in the "RUN" position, and supplies zero volts when the ignition switch is in the off position. Use a standard multimeter to find your ignition switched 12V+ source. There are many different circuits in the engine compartment that will work. Note: The original 2-pin alternator harness on your vehicle can't be used to provide the ignition switched 12v+ turn on source for the **P101**.

Helpful hint: You can tap into any existing fuse in the fusebox that is 12V+ ignition switched, as the alternator requires less than 1 amp to activate. Fuse taps should be installed on the load side of the fuse rather than the power supply, so that the turn on wire to the alternator is still fused.



Insert the factory 2 pin plug from your vehicle's alternator harness into the supplied **P103** module. This will prevent a charging error/check battery light from being displayed on the gauge cluster. Be aware that your vehicle will no longer inform you of a charging failure. You can simply monitor the voltage gauge in the dash to see if an alternator problem occurs.

Using cable ties or similar, secure the **P103** safely out of the way from any obstructions or high heat.

1. Refer to MechMan general instructions for appropriate wiring of your battery charge and ground cables. It is imperative that you use correctly sized battery cables, ring terminals for the amperage alternator that you are installing.
2. PLEASE REFER TO MECHMAN GENERAL ALTERNATOR INSTALLATION GUIDELINES.



Items included: **P101** Pigtail & **P103** Module.

