



P/N H103

## INSTALLATION OF NEW ALTERNATOR ON CHRYSLER & JEEP VEHICLES.

- 1 Disconnect the factory negative battery cable from the negative battery post.
- 2 Remove all wires from stock alternator.
- 3 Remove belt(s) and remove original alternator.
- 4 Install new alternator loosely in it's bracket. NOTE: Some vehicles will require minor on the inside of the alternator bracket in order to clear the slightly larger alternator.
- 5 If your vehicle has the correct plug on the original alternator harness to plug in to the alternator, plug it in and discard the included adapter harness.
- 6 If your vehicle is an earlier model with a two-stud terminal block on the back of the original alternator, use the included adapter harness and connect the two original ring terminal wires to the two ring terminal wires on the harness adapter using the two included screws and nuts. Use heat shrink to seal these two connections and prevent them from shorting against each other. Plug the harness adapter into the alternator
- 7 Connect the original charge cable to the large output stud of the alternator. On some models, it may be necessary to enlarge the hole on the factory charge cable ends to 5/16" diameter, so that it will fit the stud on the alternator.
- 8 Make up a new supplemental 2 gauge or larger charge cable that runs from the alternator output stud directly to the positive terminal of the battery. It is critical that the ring terminals used on the supplemental cables fit the output stud and battery terminals tightly. The hole in the ring terminals must be no larger than necessary to fit whatever bolt or stud you are attaching it to. **NOTE: Do not skip this step or you may cause a fire!**
- 9 Make up a new supplemental 2 gauge or larger ground cable and connect it to one of the alternator mounting bolts. Connect the other end directly to the negative terminal of the battery. **NOTE: Do not skip this step or you may cause a fire!**
- 10 Make sure that the battery is resting above 12.5 volts. If it is not, use a proper battery charger to fully charge the battery. DO NOT start the engine if the battery is below 12.5 volts.
- 11 Install a new serpentine belt that is 1/2 inch to 1 inch shorter than the stock length belt.
- 12 Start the engine and measure the voltage at the battery with the engine running. Voltage should be 13.6—14.9 volts. If it is outside this range, there is a problem with the installation. In this circumstance, please contact Tech support for troubleshooting instructions.

Insert the original stock plug into the adapter plug. If the alternator does not charge, the two wires need to be reversed. Just pull out the spade connectors and reconnect them in the reverse manner in which they came from the factory. The alternator will then charge properly.

