



Safeguard Your Warranty

1

Accurately diagnose the problem

- Test the core – over 30% of the alternator and starter cores are fully functional
- Check the cables and connections – ensure all cables and connections are secure and free of corrosion
- Charged battery – a fully charged battery is mandatory for rotating electrical system performance. The battery voltage should be between 12.4 volts to 12.6 volts
- Damaged unit – check the core for external damage
 - Oil or fluid covered. Repair leaks as needed
 - Broken gear teeth. Check flywheel ring gear
 - Damaged housing and/or mounting
 - Check for incorrect timing or engine kickback
 - Broken or corroded wiring and terminals. Clean or replace as needed
- Damaged or failing tensioner – check the belt tensioner for damage or failure. A failing tensioner will lead to bearing and pulley failures
- Worn belt – check the belt for cracks, damage, glazing and other signs of wear

2

Before Leaving the Store

- Compare the old unit with the new unit
 - Check to ensure the new unit is the same size as the old unit
 - Check the mounting hole alignment on the old unit and new unit
 - Make sure the new unit has the same pulley as the old unit
 - Ensure that the starter gears on the new unit are the same as the old unit
 - Check the amperage and Kw output on the new unit to make sure it's the same as the old unit
- Check to ensure the in box instructions are included in the package



Safeguard Your Warranty: Continued

3

Prior to Installation

- Use a memory keeper for your car's electronic devices. Disconnecting the battery will erase the vehicle's computer memory, PIN codes and settings for the radio and other electronic devices, unless you use a memory keeper. If you don't have this device make sure you have all of the PIN numbers for your electronic equipment before you start
- Disconnect the negative battery cable
- Never disconnect battery cables while the vehicle is running
- Compare the old unit to the new unit

4

Tools Needed

- Screwdriver (Phillips and flat head)
- Wrenches and sockets
- New alternator belt
- Repair instructions
- Volt meter
- Torque wrench