



ELECTRIC VACUUM PUMP INSTALLATION GUIDE

To ensure full core credit, if applicable, the core must be returned in the replacement unit box.



Top things to do to ensure successful installation

1. Ensure power and ground circuits are correct and functioning properly.
2. Check that the vacuum pump relay (if applicable) is working properly.
3. Before installing the replacement vacuum pump, ensure that there are no cracked or leaking vacuum lines that could cause the pump to run on continuously causing premature failure.
4. Be sure that the vacuum reservoir is able to retain vacuum (if so equipped).
5. Verify that the vacuum brake booster and its vacuum check valve are working correctly (if vehicle is so equipped).

Precautions and Notices

- This replacement unit should be installed by applying all required safety precautions, using proper tools and following the removal, installation and testing procedures described in the vehicle's service manual or similar reference. If you lack the installation experience or do not have the proper tools or reference material, you should seek the services of a qualified technician.
- Instruction material supplied with this unit is only intended as a supplement to the vehicle service manual; it is not the sole information required for successful installation and proper operation of the replacement unit.
- This unit is guaranteed to fit and function in the applications for which it is listed. Carefully verify that the replacement unit part number is correct for your application.
- Most units do not wear out; they fail because of some other cause. Make sure the original unit failure was not caused by some external problem. Replace or repair whatever caused the failure before installing and operating the replacement unit.

- Before removing the original unit, be sure to note the location and position of fittings, connectors and other components that may be attached to the original unit.
- Do not allow dirt or fluids to contaminate fittings or connectors. Make every effort to prevent debris from entering the system or contacting operating surfaces or connections.
- Be sure to replace any damaged components or accessories. Damaged fasteners should be replaced with components of equal or better quality.
- Use only OE approved fluids and lubricants. Be sure to use, as applicable, the correct adhesives and sealants as specified by the vehicle service manual.

Electric Vacuum Pump Installation Guide

Use only original quality hardware to replace broken or defective bolts, nuts, washers or other components. Check all vacuum hoses and electric lines for any deterioration or damage; replace as necessary. Mark the position of hoses and the orientation of the original components to help ensure correct installation of the replacement unit. Reassemble all mounting hardware and components in their proper order. Please refer to the vehicle service manual for the removal, installation (including fastener and fitting torque specifications) and testing procedures specific to your vehicle. **DO NOT OVER-TIGHTEN fittings!** Excessive torque can damage the replacement unit and will VOID THE WARRANTY.

REMOVAL:

1. Raise vehicle and remove splash shield if applicable.
2. Disconnect electrical connections and vacuum hoses at the pump.
3. Remove mounting fasteners and remove the pump.

INSTALLATION:

1. To install, reverse the removal procedure. **IMPORTANT:** The vacuum inlet and outlet port hoses **MUST** be properly installed and secured. Sufficient vacuum will not be produced if any line leaks.
2. Check vacuum operated accessories or components for proper operation.
3. For vacuum brake applications, verify proper vacuum pump operation before moving vehicle by operating brakes. If low vacuum warning light stays on, check vacuum switch for proper operation, then check vacuum level with a gauge.

Complete the installation by referring to any additional instructions that may be supplied with the replacement unit.