



NAPA Tech TIPS

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Hydro-Vac Booster Requires Diaphragm Oil

Application: Various Ford, Chevy, Dodge, GMC, International, Mack medium-duty trucks, and heavy equipment using Hydro-Vac Boosters (51-8028, 8056, 8060, 8091)

Problem: While most boosters have a rubber diaphragm, these four units have a leather diaphragm. While in service, the oil dries out, causing the diaphragm to harden and eventually fail.

Cause: Units having a leather diaphragm require oiling, a critical step that is often overlooked when replacing this type of booster.

Solution: During installation, pour approximately 1 oz. of oil into the booster. Use mineral oil, hydraulic jack oil, or oil intended for leather goods. Refer to your vehicle service manual for specific oil type, amount and frequency.

Remove the filler plug to add oil. Be sure filler plug creates an air-tight seal when replaced. The oil can also be added at the air inlet (air filter) tube or port. The photo below shows the typical location of the filler plug.

**Filler plug
typical location**



Note: This Tech Tip bulletin is supplied as technical information only and is not an authorization for repair.