



4505 GENERAL COMPRESSOR INSTALLATION

IMPORTANT: If compressor has failed, replacement of the condenser is strongly recommended.

THIS UNIT IS DESIGNED TO BE USED WITH R134a SYSTEMS.

1. Remove the compressor, receiver/drier or accumulator, orifice tube or expansion valve, from the vehicle.
2. Flush the condenser, evaporator, and hose assemblies without mufflers using non-oil based A/C flush.
 - Flush the condenser from outlet to inlet.
 - If the compressor had a major failure, the condenser and any hose with a muffler should be replaced. *The manufacturer recommends all parallel flow condensers be replaced as they are impossible to flush.*
 - On systems with an expansion valve, remove the valve before flushing the evaporator.
 - Flush the evaporator from inlet to outlet.
3. Drain the oil from the new compressor at the suction & discharge ports or drain plug. Verify correct oil type. Before adding oil charge, check specific application system requirements. *(Before installing the R12 unit it is critical that you drain out the 6 oz of 100 PAG oil from the unit and replace it with 6 oz of mineral oil.)*
 - Refer to the under-hood decal or OEM service manual for total oil and refrigerant charge.
 - Install half of the new oil charge into the new compressor.
 - Turn the compressor shaft 8-10 full rotations using a spanner wrench. This will ensure proper lubrication for the front seal and internal parts on initial startup.
 - Install the remaining required oil in the receiver drier, condenser, and evaporator.
4. Install the new compressor, receiver/drier or accumulator, new orifice tube or expansion valve, and replace O-rings.
 - If your original compressor comes with a pressure switch, you will have to remove this switch from your original compressor and install it in your new compressor. If the pressure switch is held in by a snap ring, it also must be removed and reinstalled with the pressure switch.
5. Using a vacuum pump, evacuate the A/C system for a minimum of 1 hour.
 - After evacuating the system for 1 hour, check to see if the pressure gauges are holding below 0 on both the low and high side. Let system rest for 10 minutes. To ensure that the system is properly sealed, the vacuum readings should not change more than 5 PSI.
6. Confirm and then start the engine, open the doors & windows, and set the A/C controls on MAX AIR with high blower speed.
7. Install the proper amount of refrigerant into the system and let the gauges equalize. This will allow the refrigerant to spread the oil more evenly.