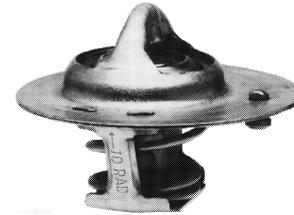
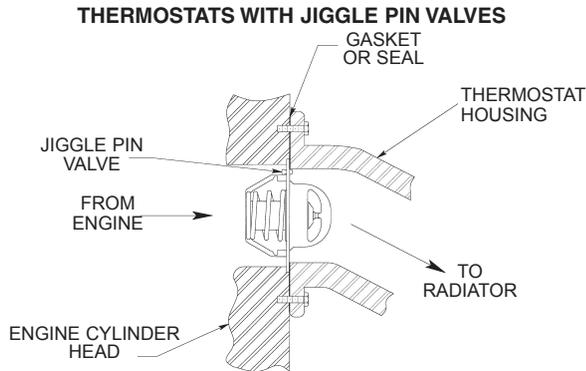


Offset Thermostats

Many Japanese and American car models now use the offset flange thermostat design as original equipment. These thermostats are equipped with a jiggle pin valve in the flange. This valve prevents air lock from occurring in the cooling system by allowing trapped air to escape while also reducing coolant leakage through the flange. Air lock and leakage hinder the operation of a thermostat during engine warm up. The offset design with the jiggle pin valve helps the engine to reach its designated operating temperature more quickly and precisely.



Installation Instructions

For Offset Thermostats With Jiggle Pin Valves

Caution: Failure to comply with these instructions may result in serious injury.

1. Allow cooling system to cool before servicing.
2. Prevent accidental starting of the engine by removing the ignition key.
3. Drain and flush cooling system.
4. Remove the outlet housing and take out old thermostat and gasket.
5. Clean gasket mounting surfaces.
6. Install thermostat so that the jiggle pin valve is positioned toward the high side of the housing with the copper pellet toward the engine (see installation sketch).
7. Install new gasket or rubber seal.
8. Replace outlet housing. Tighten bolts evenly.
9. Refill cooling system and run engine with radiator cap removed to normal operating temperature while checking for leaks.
10. After engine has reached normal operating temperature, shut off engine and allow engine to cool and recheck coolant level. Add coolant if needed. Test radiator pressure cap and replace if needed. Install radiator pressure cap.

NOTE: If the thermostat has a jiggle pin, check valve, or other feature to assist in bleeding air from the system in a vertical installation, the jiggle pin should be located at the north or 12 o'clock location.