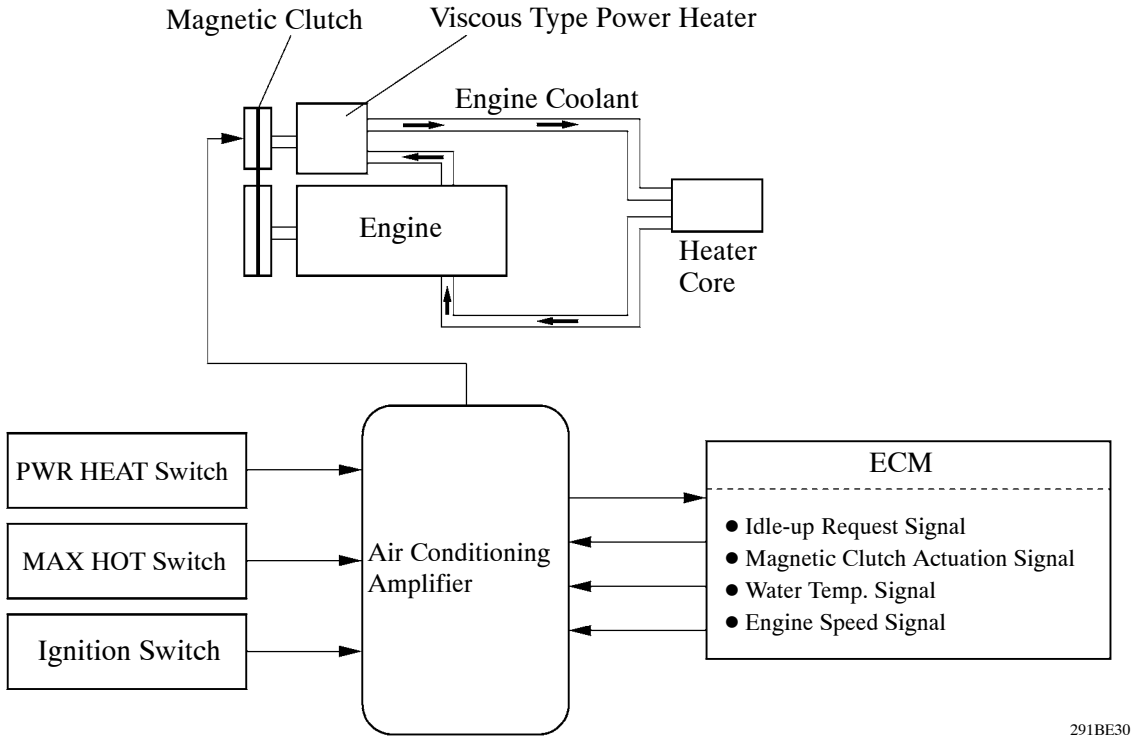
■VISCOUS TYPE POWER HEATER

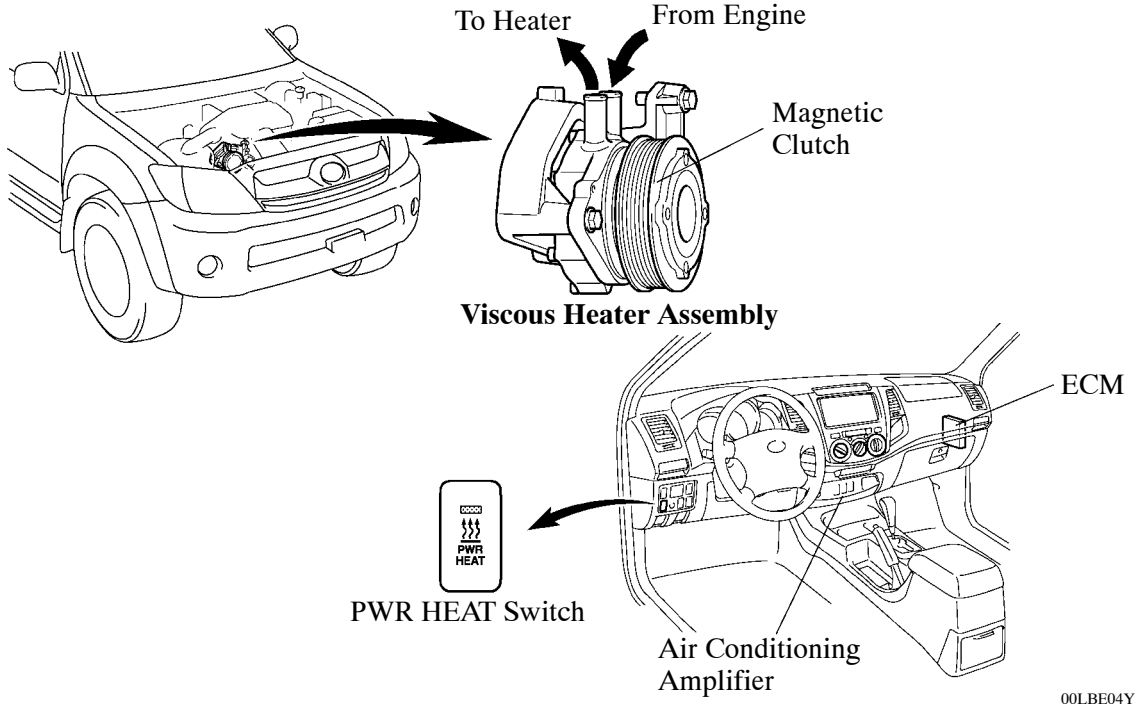
1. General

The power heater increases the water temperature by utilizing the sheer heat of the silicon oil and by increasing the engine load.

▶ System Diagram ◀

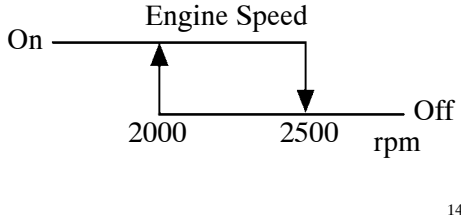


2. Layout of Main Components

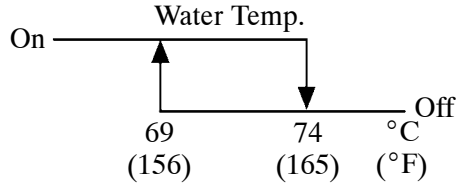


3. Construction and Operation

- The viscous type power heater, which is located on the top of the engine, is driven by a drive belt. Pressing the PWR HEAT switch provided in the instrument panel engages the magnetic clutch, causing the rotor in the power heater to rotate and the silicon oil to mix. The sheer heat that is generated heats the water.
- The viscous type power heater is controlled in accordance with engine speed and water temperature as described below. While the power heater is engaged, the engine idling speed increases to 1200 rpm.



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However, the power heater is turned off when the engine is cranking or the vehicle is accelerating (for 5 seconds while the vehicle speed is under 30 km/h (19 mph) and the throttle opening angle is more than 45%).