

A/C Clutch Inoperative and Fan won't turn off. Check the Water Temperature Switch.

CONDITION:

The vehicle's compressor clutch will not engage and/or the condenser fan motor will not turn off. Historically, a failed temperature switch will result in this scenario.

Failed Switch Confirmation:

- With the A/C system on, provide a ground signal to the lead wire of the water temperature switch, the compressor clutch should engage.
- Using a multimeter, check the switch for continuity between the housing and the water temperature switch terminal at room temperature. If the switch is open, it has failed and must be replaced.

CAUSE:

The A/C water temperature switch may have been damaged, causing the circuit to open.

CORRECTION:

When installing A/C water temperature switch, tighten and torque* the switch using only hand tools with a deep socket. Do not over torque the switch assembly during installation. Do not use air tools because the high-speed ratcheting motion can damage the switch. Be careful not to drop or strike the switch during the installation process. Do not use sealing tape.

*Torque: 120 kg•cm (8.6 lbf•ft)

Product Group	Assembly	Category
Electrical Switches & Relays	Water Temperature Switch	Technical
Year	Make	Model
1989	Suzuki	Swift