

For the Controller

Run the Battery wire, pump and water temp sensor wiring harness through the firewall.

Find a wire with 12V when the key is in the Ignition position that has 12 volts, splice the Green IGN wire into the 12V with key on source

Hook up the brown "earth" wire to a secure ground location on the chassis of the car

find a good location for your controller and run the wiring harness to that location.

In the engine bay, hook the 12V Red battery wire to the battery using the supplied connector.

Plug in the wiring harness into the controller, turn the key on, verify the controller turns on.

Gates water pump

Drain coolant from the system

Remove the lower and upper radiator hoses

Disconnect both radiator fan connectors

Remove the radiator

Remove the accessory belts from the front of the engine

Remove the crank pulley

Remove the plastic cam gear covers

Remove the tensioner

Put the tensioner in a vice to compress it, make sure to put a pin in to keep it compressed

Remove the water pump from the engine block and remove the thermostat housing from the pump

Insure the thermostat gasket is seated correctly without the thermostat, and install the thermostat housing to the pump.

Install the new pump onto the engine

Make sure the timing belt is correctly installed and reverse the steps above

Mounting the pump.

We recommend mounting the pump on the lower radiator hose position, but you may use any location

Remove the lower radiator hose, hold the pump up to find a suitable location near the lower radiator outlet.

Cut the radiator hose to size to accommodate the EWP

Using the supplied clamps, secure the EWP to the modified radiator hose.

Run the wiring harness for the EWP to the EWP and click it into place.

Secure the wiring harness out of the way.

Installing the water temp adapter.

Remove the upper radiator hose.

Cut roughly .8 inch or 21mm out of the hose to accommodate the coolant temp adapter.

Thread coolant temp sensor into the adapter and install adapter into the modified upper radiator hose.

Run the wiring harness for the coolant temp sensor over to the sensor and click it into place.

Secure the wiring harness out of the way.

Testing the system:

Fill the system with fresh coolant and make sure there are no visible leaks.

Turn the ignition to On and verify the EWP is kicking on, here you can set up where you want the “ideal” water temp to be set at.

Once ideal temp is set, warm up the car and make sure the pump cycles from low to high speed once up to desired temperature. If you hooked up your fans to the pump using the supplied relay, make sure your fan(s) kick on as well.