



WATER TEMPERATURE SENSOR 'ALL-IN-ONE' ADAPTOR INSTALLATION INSTRUCTIONS (Part No. 0409)

BEFORE BEGINNING INSTALLATION, READ THESE INSTRUCTIONS FULLY.

'ALL-IN-ONE' ADAPTOR APPLICATIONS

As with other Davies, Craig products the 'All-in-One' adaptor has universal application.

Top Radiator Hose:

30 to 35 mm inside diameter -- use adaptor without sleeves.

36 to 42 mm inside diameter – use sleeves included in the kit.

42+ mm inside diameter – contact Davies, Craig

Sensor Fittings:

To suit Davies, Craig Thermal Switch part # 0401 or 0404 with brass sensor OR EWP Controllers part #8010 or 8020 – use 1/4" (larger) olive fitting supplied installed inside the compression fitting.

To suit Davies, Craig Thermal Switch part # 0401 or 0404 with stainless steel sensor – use **6 mm** (smaller) olive fitting supplied loose in the kit.

Temperature Sender units with 1/4" BSPT thread (not supplied in kit) will readily screw into the 'All-in-One' adaptor. For other sizes, the threaded hole can be sealed with a 1/4" BSPT plug, available from most plumbing outlets. Drill and tap a thread to suit the specific sender unit type.

'ALL-IN-ONE' ADAPTOR INSTALLATION

1. Sensor Fitting

Remove lock nut and olive of compression fitting body supplied in the kit. Fit the brass compression fitting body into the threaded black nylon adaptor and tighten.

Select olive required, to suit sensor, (ie 1/4" or 6 mm diameter) – see specific information above.

Slide sensor through lock nut then olive. Insert sensor through compression fitting so that about 15 mm will be located in coolant flow. Tighten lock nut. It is important that whilst tightening lock nut, the compression fitting body is held stationary to avoid over tightening.

2. Hose Fitting

When the cooling system is cold, remove top radiator hose and confirm that the inside diameter of your top radiator hose is between 30 to 42 mm prior to cutting hose.

If the parts (adaptor and sleeves) provided in the kit are not suitable for your top radiator hose diameter please contact Davies, Craig before proceeding any further.

If the parts supplied (adaptor and/or sleeves) are suitable, cut your radiator hose to remove around 17 mm in length at

an appropriate location. Preferably select a location in a straight section of the hose.

Temporarily slide radiator hose clamps on each end of the hose. Fit both cut ends of hose onto adaptor (with or without sleeves as appropriate). If fitting is tight, use silicon base grease or petroleum jelly to assist fitment of adaptor to hoses.

Refit top radiator hose, ensure no twisting of hose and tighten all hose clamps.

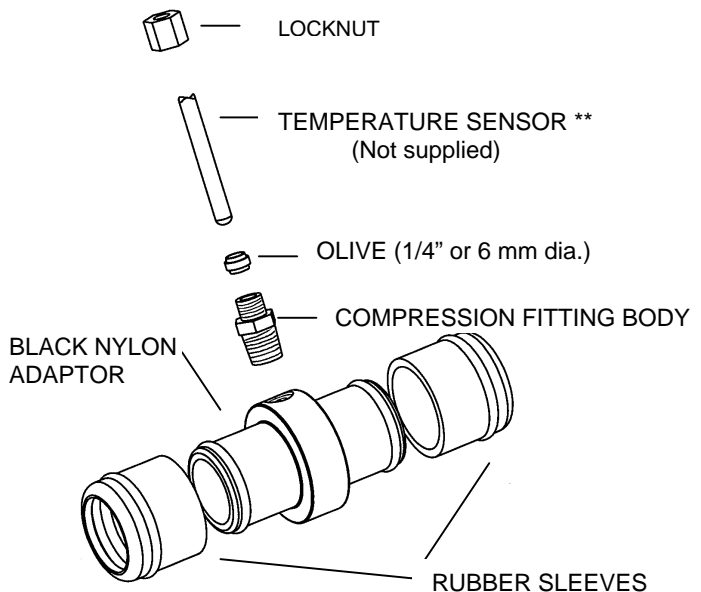
Start engine to confirm no leakage at radiator hose, compression fitting or sensor.

After running vehicle, again, confirm no leakages and re-torque radiator hose clamps.

COMPLETION OF INSTALLATION

On completion of 'All-in One' adaptor, installation of Thermal Sensor or EWP Controller should be completed in accordance with separately supplied fitting instructions.

ILLUSTRATION



** TEMPERATURE SENSOR INCLUDED IN THERMO
SWITCH KITS (0401 & 0404) OR EWP CONTROLLER KITS
(8010 & 8020

DAVIES,CRAIG ELECTRIC WATER PUMPS (EWP)



The revolutionary EWP pump is made from anti-corrosive, lightweight, glass filled nylon and is a performance accessory that improves engine cooling control and capacity while giving you more power and improved fuel economy. Old mechanical, belt driven, water pumps run directly off the motor and sap engine power, while EWP is wired into your electrical system. The EWP is universal fit by mounting in the bottom radiator hose.

The kit comes with everything you need for easy installation. Davies Craig now has two EWP models to choose from:

- The EWP80 (80 litres/min.) for cars with engine

capacity up to 5 litres and

- The new high volume EWP110 (110 litres/min.) for larger, high performance engines and 4WDs.

The EWP is the most economical way to increase horsepower and save on fuel consumption while caring for your engine.

The EWP is available from all good automotive parts stockists.

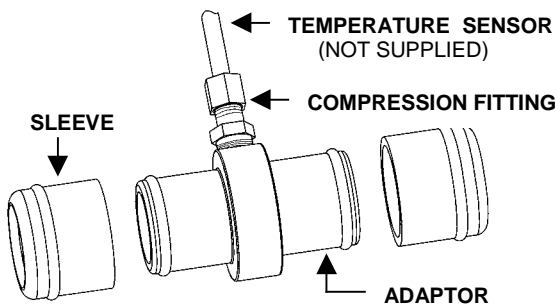
EWP110 Shown Above

EWP 80 KIT PART No. 8005

EWP 110 KIT PART No. 8015

'ALL-IN-ONE' WATER TEMPERATURE SENSOR ADAPTOR

1. **HOSE ADAPTOR:**
Select the condition to fit top radiator hose.
Up to 35 mm ID: No sleeves required
Up to 42 mm ID: Use sleeves supplied in kit



2. **SENSOR FITTING:**
Suits all Davies,Craig Temperature Sensors for Thermal (mechanical) Switches (part no. 0401 & 0404) and EWP Controllers (part no. 8010 & 8020).
Suits all temperature sensors with a 1/4" or 6 mm outside diameter and temperature gauge senders with 1/4" BSPT thread.

**INSTALLATION
INSTRUCTIONS**

EWP DIGITAL ELECTRONIC CONTROLLER

Davies, Craig now has an all new 'Digital' electronic controller to complement its complete range of universal fit Electric Water Pumps.

This latest generation 'Digital' Controller allows you to electronically set the target temperature and it adjusts the rate of flow, hunting for and then locking onto, the temperature you set. The actual coolant temperature and other operational information is displayed at all times to keep you informed and in control.

To overcome the effects of 'heat soak' the controller automatically continues to run the EWP after ignition OFF for a period of 2 minutes or until the engine temperature is 5 degC below the target temperature, whichever occurs first.

This 'smart' Digital Controller has a range of diagnostic capabilities on-board, which will analyse and report the state of your cooling system.

As with all Davies, Craig products, the 'Digital' Electronic Controller comes with everything you need for do-it-yourself installation.



