

EWP HEADER-ADAPTOR KIT – INSTALLATION INSTRUCTIONS

Part # 8600 – Holden V8 – 253/308 Engine

Congratulations on your purchase of the Davies, Craig EWP® Header-Adaptor Kit which has been designed for use with EWP® Electric Water Pumps, #8025, #8040, #8060 and EWP® Combo Kits, Parts #8030, #8050 and #8070 to replace your existing belt-driven, mechanical water pump on Holden 253/308 V8 engines. Further, if your belt-driven, mechanical water pump has a mechanical fan, you will need to replace this fan with a suitable Davies, Craig Thermatic Fan. If you've purchased one of the EWP® Electric Water Pump Combo Kits, then your EWP/Fan Digital Controller has a built-in thermal switch that will control an electric Thermatic Fan in unison with your new Electric Water Pump. Details relating to the most suitable Davies, Craig Thermatic Fan for your vehicle are listed on the Davies, Craig website www.daviescraig.com.au.

If your vehicle is not listed you may follow the guidelines listed to identify the most suitable Thermatic Fan for your vehicle. Remember, a strong air flow, Cubic Feet per Minute (CFM) through your engine's radiator is the one vital factor that helps achieve efficient engine cooling. Ensure the electric Thermatic Fan you select has sufficient air flow, (CFM). Some fan manufacturers inflate air flow rate figures. If you're not able to confirm the CFM of the fan you plan to purchase – DON'T BUY IT!

KIT CONTENTS

Item	Description	Quantity
1	Adaptor Plate	1
2	Adaptor Gasket	1



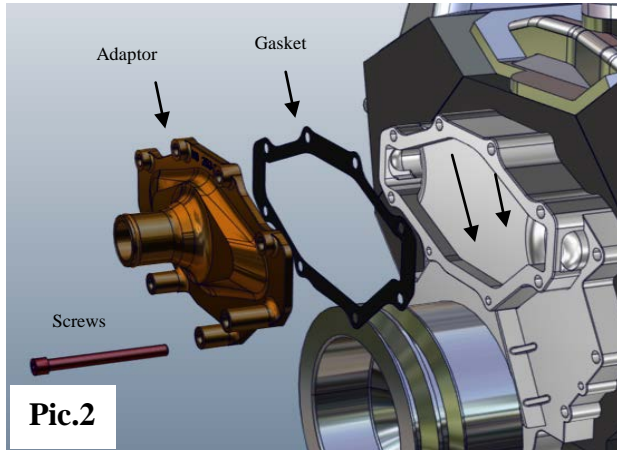
Pic.1

Hose Fitting Sizes: All Davies, Craig EWP®115/150 Electric Water Pumps are manufactured with 38mm (1 1/2") OD inlet and outlet. The alloy versions of the EWP®115/150 Electric Water Pumps have been manufactured with AN-16 internal threads should you wish to fit screw-in hose fittings. If your radiator hoses have a larger inside diameter (ID), Davies Craig can supply 3mm (part no. 8510) and 6mm (part no. 8511) Rubber Adaptor Sleeves to suit.

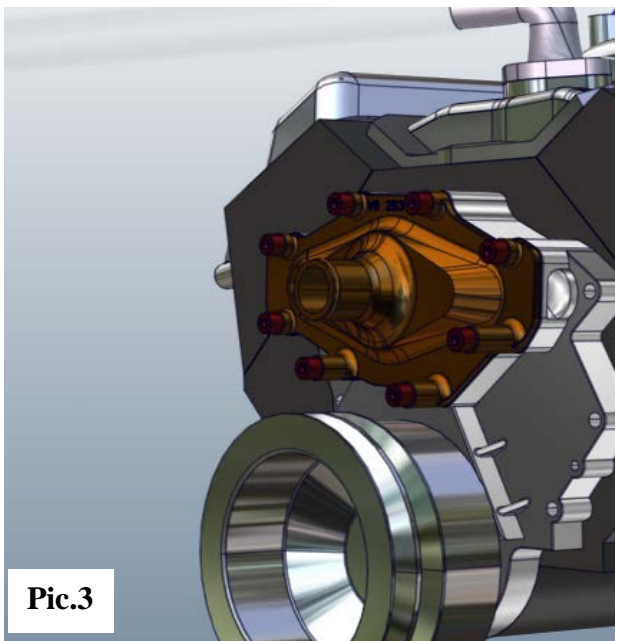
BEFORE COMMENCING, READ THESE INSTALLATION INSTRUCTIONS THOROUGHLY. DON'T RUSH - ENSURE YOU HAVE A FULL UNDERSTANDING OF THE WORK AHEAD AND YOU HAVE ALL THE TOOLS AND COMPONENTS REQUIRED FOR COMPLETION OF YOUR EWP® HEADER-ADAPTOR CONVERSION.

INSTALLATION GUIDELINES

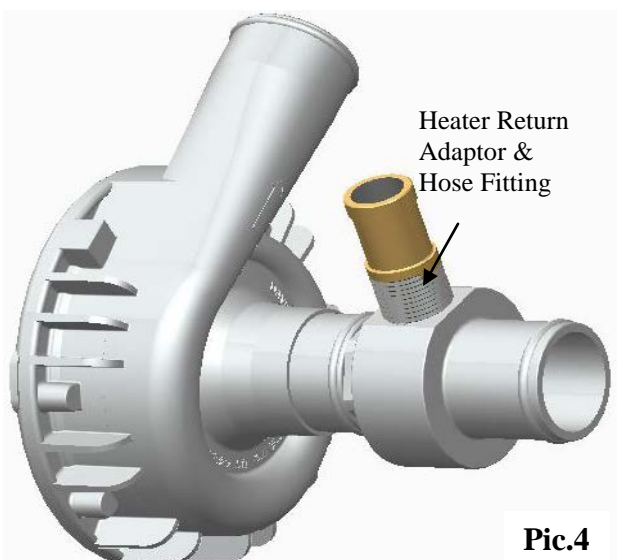
1. Remove the radiator cap then remove the bottom radiator hose to drain the coolant from both the radiator and engine. If the coolant is clean and free of foreign matter it may be reused.
2. Loosen appropriate hardware, remove all belts i.e. Water pump, alternator, air conditioning and power steering (if fitted).
3. Disconnect heater return hose from the mechanical water pump.
4. Remove mechanical water pump. Retain the radiator hoses; you will require a section to complete your EWP® conversion.



5. Clean the surface of the timing cover to ensure the surface is free of the old gasket and foreign material.
6. Fit gasket supplied then secure the Adaptor Plate supplied with the existing water pump bolts. Check tension of all bolts to ensure they are sufficiently tightened to prevent leakage.
7. Take your engine's existing radiator hose and sit it in place ensuring it clears existing belts etc. Hose length may need to be shortened to ensure a satisfactory fit of your EWP® conversion.



8. Pre-assembly - take the Hose Clamp and slide one loosely over the end of the hose. Pre-fit the Electric Water Pump to the bottom end of the radiator hose. Screw the Heater Return Adaptor & Hose Fitting (Pic.4, if applicable) into the EWP® inlet then position and align the EWP® with the bottom radiator outlet. Secure Heater Return Hose to Hose Fitting. Check you have enough length of Bottom Connector Hose (refer Pic.4). A section of your current bottom radiator hose may be suitable for this purpose. Connect the radiator hose and Hose Clamp to the EWP® inlet, then fit the other end to the bottom radiator outlet (refer Pic.4).



9. Assembly – once you are satisfied with the initial pre-assembly and alignment of your EWP® Electric Water Pump and Header-Adaptor Kit conversion, proceed with the final assembly. Your EWP® may require Teflon tape to seal the Heater Return Adaptor and Hose Fitting threads (if fitted). Next, ensure all Hose Clamps and Cap Screw are sufficiently tightened to prevent leakage. Do not over-tighten.
10. Follow the EWP® and EWP®/Fan Digital Controller Installation Instructions to complete your conversion. *(Failure to adhere to the correct Installation Instructions may cause failure of vital components, including the Digital Controller)*

11. Refill the radiator. With the radiator cap off, start your engine. Your EWP[®] and EWP[®]/Fan Digital Controller combination will commence its pre-programmed 'test' mode which consists of these two units and the Thematic Fan operating at full power for 10-15 seconds. Run engine for 10 minutes approx. while carefully monitoring engine temp. top up coolant level. Switch off engine. If you are satisfied your cooling system is completely free of air, and there are no leaks, replace the radiator cap. Restart engine, run up to operating temperature again checking all fittings are secure and observe for any leaks. Switch off engine and re-torque any fittings and hose clamps if required.
12. Conduct a 'test run' with your vehicle. Turn on the heater (if applicable) to assist clearing air from the cooling system. Top up coolant if required once engine has cooled down. Please repeat the above process until you are satisfied your engine's cooling system is totally free of air, all Hose Clamps are torqued up satisfactorily and there are no leaks. You should check your system again after another 20 hours operation.

WARRANTY

We warrant that for a period of two years, 40,000km or 2000 hours continuous running (whichever is the lesser) from the date of purchase, we shall carry out, free of cost, any repairs that are reasonably necessary to correct any fault in the operation of your Davies Craig product provided that such a fault is directly attributable to a defect in the workmanship or materials used in the manufacture of the part(s) and is not due to installation other than described in these instructions. Labour and consequential costs are excluded.

The benefits covered by this warranty extend to all the components in this kit and are in addition to all other rights and remedies in respect of the kit which the consumer has under the Trade Practices Act and similar State and Territory laws

DAVIES, CRAIG PTY. LTD.

REGISTER YOUR WARRANTY AT:

<http://www.daviescraig.com.au/Warranty-content.aspx>

SHOP ONLINE AT:

www.daviescraig.com.au

The image shows a silver alloy electric water pump with two threaded ports, one on the left and one on the top. A black digital controller is attached to the pump. The controller has a small screen and several buttons. The background is a blue gradient with water droplets and a fan. The text 'EWP 150' is prominently displayed in large, colorful letters. A 'TWO YEAR WARRANTY' badge is visible in the bottom left corner of the image area.

EWP 150

Take total control of cooling your engine

- ✓ universal fit
- ✓ more power
- ✓ more cooling
- ✓ increase fuel efficiency
- ✓ extend engine life
- ✓ world-leading technology
- ✓ lightweight alloy

TWO YEAR WARRANTY

Muscle up your engine's cooling system with an EWP®150 Alloy Electric Water Pump

The revolutionary new Davies, Craig EWP®150 alloy Electric Water Pump has been added to the EWP range.

Like all the EWPs, this unit is designed for universal engine fitment, to satisfy those larger and higher horsepower, turbocharged and supercharged and 'worked' engines which develop excessive heat.

The EWP®150 alloy unit has AN-16 internal inlet and outlet threads for neat, tight, screw-in fitting applications.

The EWP®150 offers all the same exciting features as the street-smart EWP®115 Electric Water Pumps.

This rugged alloy hi-flow electric water pump is designed to complement or replace the engine's existing mechanical water pump. This essential performance accessory increases power to your vehicle's drive wheels and improves coolant temperature control.

The EWP®150 is a universal, do-it-yourself, easy installation fitment to engines up to seven litres.

By removing the parasitic power losses of belt-driven water pumps, the EWP®150 releases up to 10kW (13hp) of extra power, increased torque and fuel savings.

Combine it with the **EWP® & Fan Digital Controller** and the pump continues to run after you've switched off, eliminating "heat soak" and extending engine life.

The EWP®150 and EWP®/Fan Digital Controller Combo Kit (part #8070) is the most economical way to increase horsepower and save on fuel consumption whilst caring for your engine.

The Davies, Craig EWP® header-adaptor kit can replace the mechanical water pump completely. See page 3 for product details and page 15 for part numbers.

Please refer opposite for EWP® specifications and page 14 for Digital Controller specifications.

Questions? Please see "frequently-asked questions" on our website: www.daviescraig.com.au