

AIR BLEED ADAPTOR KIT INSTALLATION INSTRUCTIONS

**PLEASE READ ALL THESE INSTRUCTIONS THOROUGHLY BEFORE YOU START WORK.
DON'T RUSH - ENSURE YOU HAVE FULL UNDERSTANDING OF THE WORK AHEAD BEFORE YOU
COMMENCE. ENSURE YOU HAVE ALL TOOLS AND COMPONENTS REQUIRED.**



Kit Components

- Inline Adaptor with 2 Ports
- 1/4" NPT Air Bleed Fitting
- 1/4" NPT Bung
- 2 x Hose Clamps
- 2 x 3mm Rubber Sleeves

Inline Adaptor Sensor Fitment:

- Each Adaptor port has a 1/4" NPT thread
- Davies, Craig Digital EWP/Fan Controller
 - Suits Thermal Sensor Part #18415
- Davies, Craig Mechanical Thermal Switches
 - Requires Part #0418.
- Davies, Craig Digital Thermal Switches
 - Requires Part #0418 or Part #0465

Top Radiator Hose inside diameter (ID)

- **32 mm (1 1/4") to 35 mm (1 3/8")**
 - Use Adaptor without sleeves
- **38 mm (1 1/2") to 45 mm (1 3/4")**
 - Use 3mm sleeves included
- **45+ mm (1 3/4")**
 - 6mm Sleeve required Part #18511

Inline Adaptor Assembly

Screw the brass Air Bleed fitting into one of the ports of the Nylon Inline Adaptor and tighten. Be sure not to over tighten. You may require some thread tape or sealant to achieve a water tight seal.

In the remaining port you need to install the bung (supplied), Thermal Sensor (not supplied), or Compression Fitting (not supplied). Be sure not to over tighten the fitting. Again, when installing the appropriate fitting, you may require some thread tape or sealant to achieve a water tight seal.

Hose Fitment

When the cooling system is cold, remove top radiator hose and confirm that the inside diameter of your top radiator hose is between 32 and 45mm prior to cutting hose. If ID is larger, two 6mm sleeves (part #18511) will be required.

If the parts supplied (adaptor and sleeves) are suitable, cut your radiator hose to remove around 17mm in length at an appropriate location. Preferably select a location in a straight section of the hose.

Temporarily slide one Hose Clamp on each end of the radiator hose. Fit both cut ends of hose onto the Inline Adaptor (with or without sleeves as appropriate) ensuring the Air Bleed is in a 12 O'clock position. If fitting is tight, heat hose ends in hot water or use silicon-based grease or petroleum jelly to assist fitment of adaptor to hoses.

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

Air Bleeding Process

Open the bleed screw a few turns and ensure the heater is turned to full "hot". With the engine off begin filling the system with coolant. once the system is full, close the bleed screw and start the engine.

Confirm there are no leaks and allow the engine to idle and top up coolant levels as required. With the engine idling carefully open the bleed screw. Leave the bleed screw open until a constant stream of liquid coolant is maintained for around 5 seconds. Close the Bleed Screw, replace the radiator cap and bring the coolant to operating temperature. Once operating temperature is reached turn the engine off and allow to cool completely.

After running vehicle, check the coolant level and confirm there are no leaks. Top up coolant level and re-tighten hose clamps if required.

For hard to bleed systems increasing the water level when filling can help remove trapped air. This can be done by cutting the bottom off a large plastic bottle and placing it in the radiator neck.

These installation instructions will suit most applications but there are circumstances surrounding some engine designs, environments, and the nature of the system involved, which may require other installation arrangements not outlined here. Frequently Asked Questions (FAQ) are listed on our website www.daviescraig.com.au . Emails can be directed to info@daviescraig.com.au or Telephone +61 (0) 3 9369 1234 during business hours.

WARRANTY

Davies, Craig Pty Ltd warrants for a period of two years or 2000 hours continuous running (whichever is the lesser) from the date of purchase. Davies, Craig 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). This warranty is void if the product is misused, altered, tampered with or is installed or used in a manner that is inconsistent with Davies, Craig's written recommendations and/or installation instructions. Labour and consequential costs are excluded. **DAVIES, CRAIG PTY. LTD.**

Register your warranty at: daviescraig.com.au under the support tab



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