

Eastwood[®]

DO THE JOB RIGHT.[®]

Item #31816

COOLANT SYSTEM FILL KIT

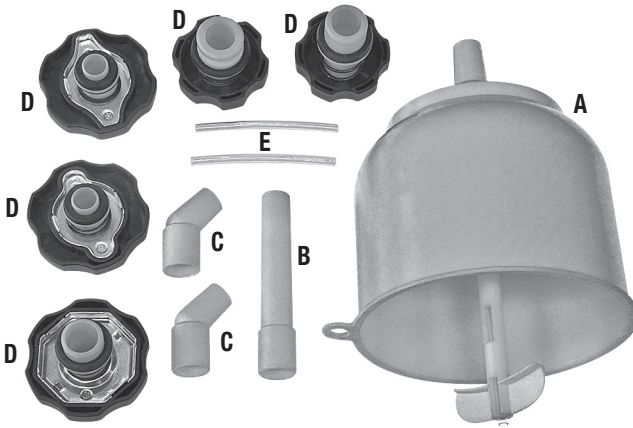
INSTRUCTIONS



The **EASTWOOD COOLING SYSTEM FILL KIT** allows mess-free cooling system filling with a choice of positive air bleeding methods. The kit includes five popular Adaptor Cap styles to fit most radiator and coolant reservoir filler neck types. A selection of 45° and straight extension pipes allow access to angled and hard to reach filler necks.

CONTENTS

- (1) Large Capacity Funnel Assembly with Integral Center Stem - [A]
- (1) 4.88" [125mm] Straight Tube - [B]
- (2) 2" [50mm] 45° Tubes - [C]
- (5) Adapter Caps - [D]
- (2) 0.25" x 3.8" [6.3mm x 96mm] Bleed Tube Extensions - [E]



SAFETY INFORMATION

The following explanations are displayed in this manual, on the labeling, and on all other information provided with this product:

⚠ DANGER

DANGER indicates a hazardous situation which, if not avoided, will result in death or serious injury.

⚠ WARNING

WARNING indicates a hazardous situation which, if not avoided, could result in death or serious injury.

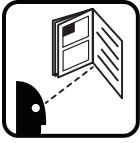
⚠ CAUTION

CAUTION used with the safety alert symbol, indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

⚠ NOTICE

NOTICE is used to address practices not related to personal injury.

SAFETY INFORMATION



⚠️ READ INSTRUCTIONS

- Thoroughly read and understand these product instructions before using the Coolant System Fill Kit.
- Keep these product instructions for future reference.



⚠️ WARNING IMPROPER MOTOR MECHANICAL WORK CAN RESULT IN INJURY OR DEATH!

- Performing work without adequate training in motor vehicle mechanical systems can cause injury, death and vehicle damage. DO NOT attempt to use this tool or begin motor vehicle service work without proper training in and a thorough understanding of motor vehicle service and repair procedures before using this tool.



⚠️ WARNING BURN HAZARD!

- DO NOT open radiator cap if cooling system is hot!
- Hot fluid can erupt and cause burns.



⚠️ CAUTION EXPOSURE TO AUTOMOTIVE FLUIDS CAN BE A HEALTH HAZARD!

- Contents can splash into eyes. Be sure to follow all precautions listed on fluid containers before using.
- Wear ANSI Z87.1 approved eye protection while using Fill Kit.
- Wear appropriate chemical resistant gloves while handling fluids.



⚠️ CAUTION INJURY HAZARD!

- To avoid possible personal injury and property damage, keep Funnel and Tubes free of rotating/moving underhood components such as fans, belts etc.
- Do not allow Funnel and Tubes to come into contact with hot underhood areas.

⚠️ NOTICE

- Used automotive fluids are hazardous materials and should be disposed of in compliance with local regulations.

SET-UP

- After the cooling system is sufficiently cooled, remove the radiator or cooling system reservoir cap.
- Select the Adapter Cap [D] configuration that most closely matches the cap removed in the previous step.
- Securely attach the selected Adaptor Cap to the radiator or cooling system reservoir and latch in place of the permanent cap (FIG 1).
- The Funnel Assembly MUST be kept level to operate properly. If the filler neck is at an angle or in a difficult to reach location, determine which combination of accessory 45° elbows and or extension pipe is needed to adequately reach it (FIGS 2 & 3).

FIG. 1



FIG. 2

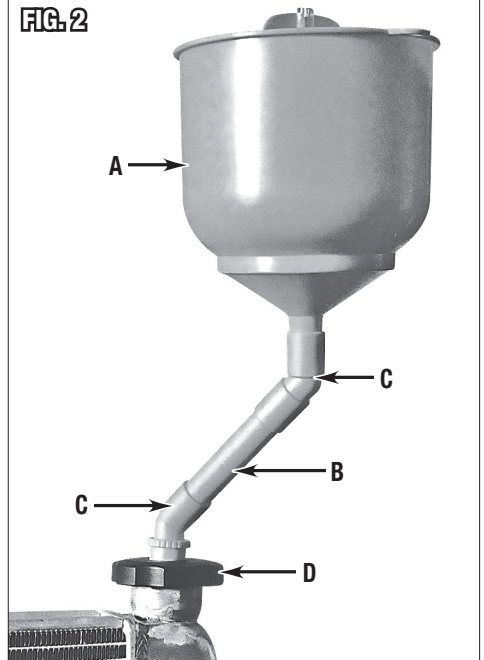
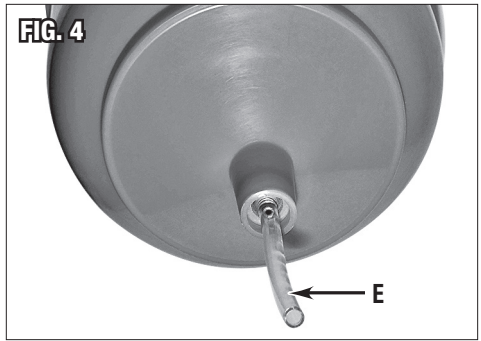


FIG. 3



- Once the combination of Funnel, Adapter Cap and Accessories is determined, press them all together firmly to avoid leaks. **NOTE:** if the Extension Tube [B] is required, also use the Bleed Tube Extension [E] by pressing it firmly and securely onto the brass nipple of the Center Stem (FIG 4).



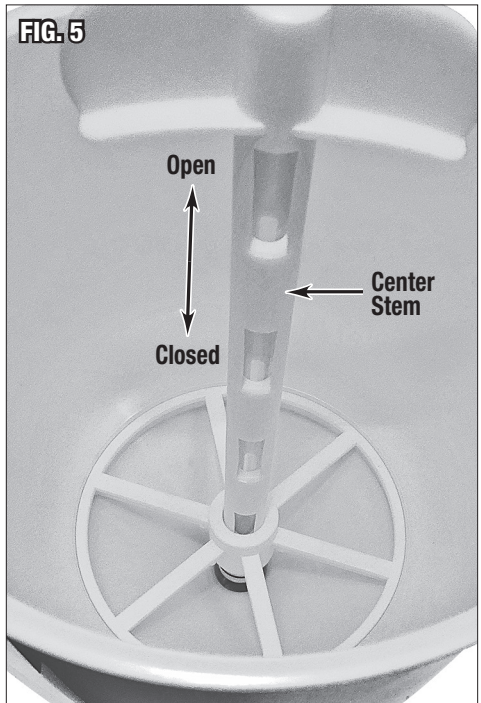
OPERATION

⚠ WARNING IMPROPER MOTOR VEHICLE MECHANICAL WORK CAN RESULT IN INJURY OR DEATH!

Performing work without adequate training in motor vehicle mechanical systems can cause injury, death and vehicle damage. **DO NOT** attempt to use this tool or begin motor vehicle service work without proper training in and a thorough understanding of motor vehicle service and repair procedures before using this tool.

Refer to a manufacturers service manual for cooling system service procedures and capacities specific to the make and model of vehicle being serviced.

- Pull up the Center Stem of the Funnel Assembly to open the seal at the bottom of the Funnel then pour in the desired amount of coolant. Continue to fill until the Funnel is 1/3 full (FIG 5).
- Start engine and allow to reach operating temperature.



GRAVITY BLEED METHOD

- Keep the Center Stem in the UP position to allow the free release of trapped air as it bubbles up through the coolant in the Funnel. Let the engine run at an idle only. DO NOT run above idle as this can cause a dangerous surge of hot coolant.
- Add coolant to Funnel while engine is running if required.
- When all bubbling stops, shut off engine, push the Center Stem down firmly to close the seal at the bottom of the Funnel Assembly.
- Unlatch Adapter Cap from radiator or cooling system reservoir filler neck and carefully pull the entire assembly away and pour any coolant remaining in Funnel Assembly into a suitable coolant jug.
- Replace original cap on radiator or cooling system reservoir filler neck.

PRESSURE METHOD

- Push the Center Stem downward firmly to engage the seal at the bottom of the Funnel Assembly. Let the engine run at an idle only. DO NOT run above idle as this can cause a dangerous surge of hot coolant.
- Allow bleed air to escape through the clear tube at the center of the Center Stem
- When all air escape stops, shut off engine, keep the Center Stem closed at the bottom of the Funnel Assembly.
- Unlatch Adapter Cap from radiator or cooling system reservoir filler neck and carefully pull the entire assembly away. Pour any coolant remaining in the Funnel into a suitable coolant jug.
- Replace original cap on radiator or cooling system reservoir filler neck.

If you have any questions about the use of this product, please contact

The Eastwood Technical Assistance Service Department: 800.343.9353 >> email: techelp@eastwood.com

PDF version of this manual is available at eastwood.com

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