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FORD 6.0L COOLANT FILTER KIT
2003-07 Ford 6.0L

Part #: 1032121







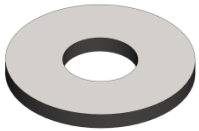




PLEASE READ ALL INSTRUCTIONS BEFORE INSTALLATION

BD Engine Brake Inc.
Plant Address: 33541 MacLure Rd. Abbotsford, BC, Canada V2S 7W2
U.S. Shipping Address: 88-446 Harrison St, Sumas, WA 98295 U.S. Mailing Address: P.O. Box 231, Sumas, WA 98295
Phone: 604-853-6096 | Fax: 604-853-8749 | Internet: www.bd-power.com

KIT CONTENTS:

Please check to make sure that you have all the parts listed in this kit **before** you start the disassembly of your truck.

Ford 6.0L (BD# 1032121)






| | | | | |
|---|---|--|---|---|
| 1302167 | | P554685 | | |
|  | |  | | |
| Filter holder | | Filter | | |
| QTY: 1 | | QTY: 1 | | |
| 1453113 | 1500403 | 1302228 | 1302166 | 1130184 |
|  |  |  |  |  |
| 1 1/4" Gear Clamp | Spring Clamp | 1/4" Socket Bolt | Threaded Adapter | Washer |
| Qty: 2 | Qty: 6 | Qty: 2 | Qty: 1 | QTY: 2 |
| 1302163-1 | 1400120 | 1302162-1 | 1130165 | 1302173 |
|  |  |  |  |  |
| 3/8" Brass Tee | Barb to NPT Fitting | 3/4"x3/8"x3/4" Tee Adapter | Barb 3/8" – 1/8" NPT | Elbow 3/8" NPT 90° |
| Qty: 1 | QTY: 1 | Qty: 1 | Qty: 1 | QTY: 1 |

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| | | |
|--|---|---|
| 1302168 | 1302169 | 1302020 |
|  |  |  |
| Bracket | Ball Valve | Thread Lock |
| QTY: 1 | Qty: 1 | Qty: 1 |
| 1300131 | 1604053 | |
|  |  | |
| Cable Tie | 3/8" Hose | |
| QTY: 8 | Qty: 84" | |

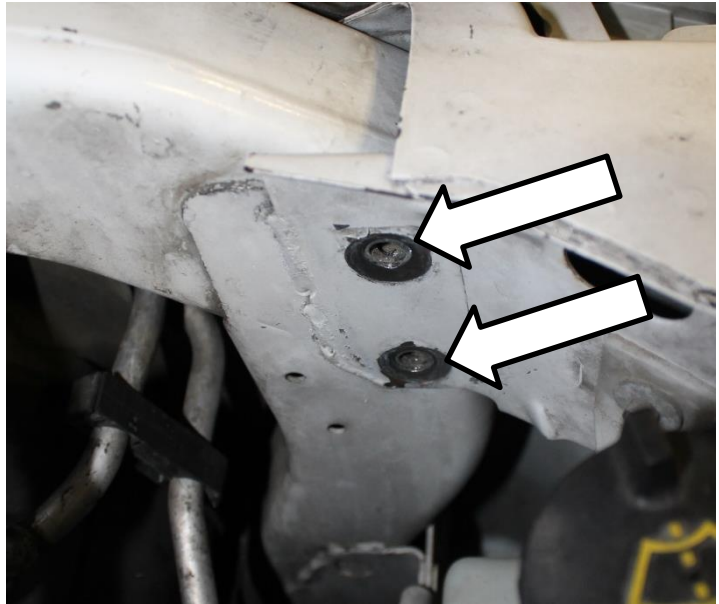
Equivalent filters that can be used with this kit

| Supplier | Part Number |
|------------|-------------|
| Donaldson | P554685 |
| Wix | 24070 |
| Fram | PR3383 |
| NAPA | 4070 |
| Hastings | WC8 |
| Baldwin | B5134 |
| Fleetguard | WF2077 |
| Luberfiner | LFW4685 |

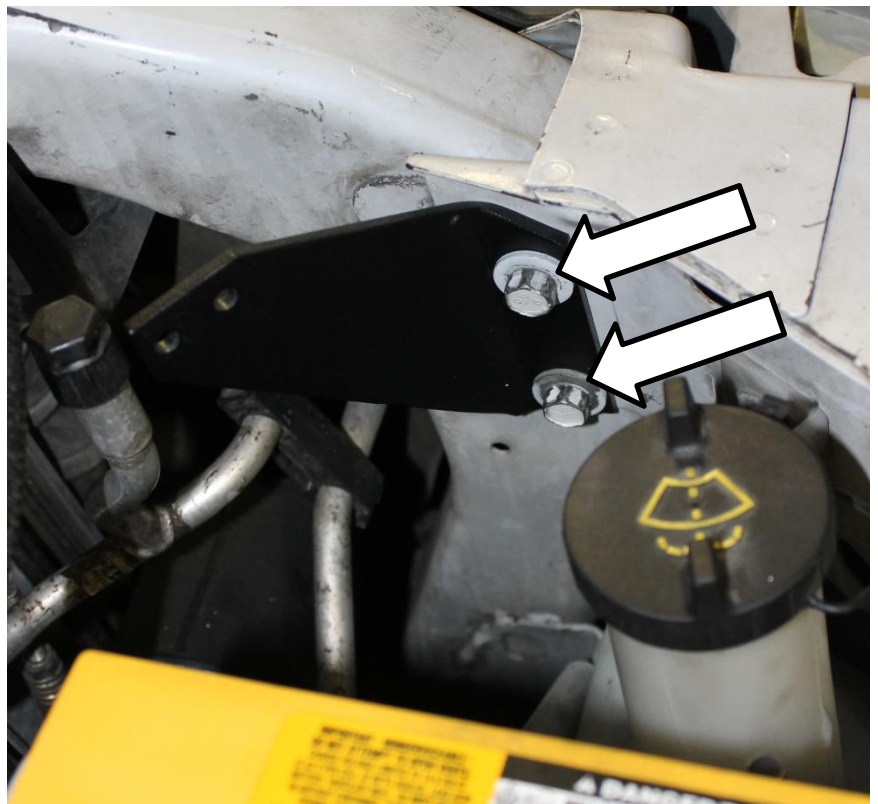
INSTALLATION

1. Drain at least one gallon of coolant into a clean bucket to reduce spillage during the installation. Set bucket aside for re-use later.

NOTE: Completely draining and replacing the coolant is recommended during the installation of this kit.



2. Remove the radiator support bolts from the passenger side and mount the supplied bracket onto the vehicle re-using the OEM hardware.



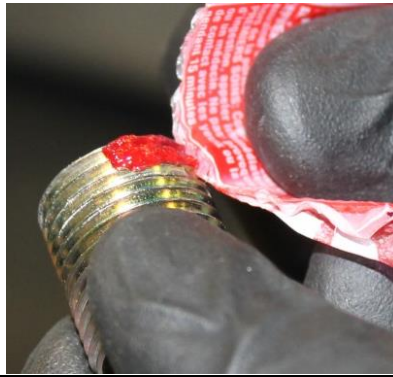
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3. Apply supplied thread lock onto threaded filter adapter and insert into the filter head.



4. Before placing the filter head on the bracket. Assemble the straight NPT and ball valve and thread into the "IN" port, using sealant or pipe tape on threads.

NOTE: Tightening until the ball valve handle faces the radiator allows for the most room.



5. Thread the 90 degree NPT fitting into the "OUT" port as shown, using sealant or pipe tape. Point the fitting outlet downwards.



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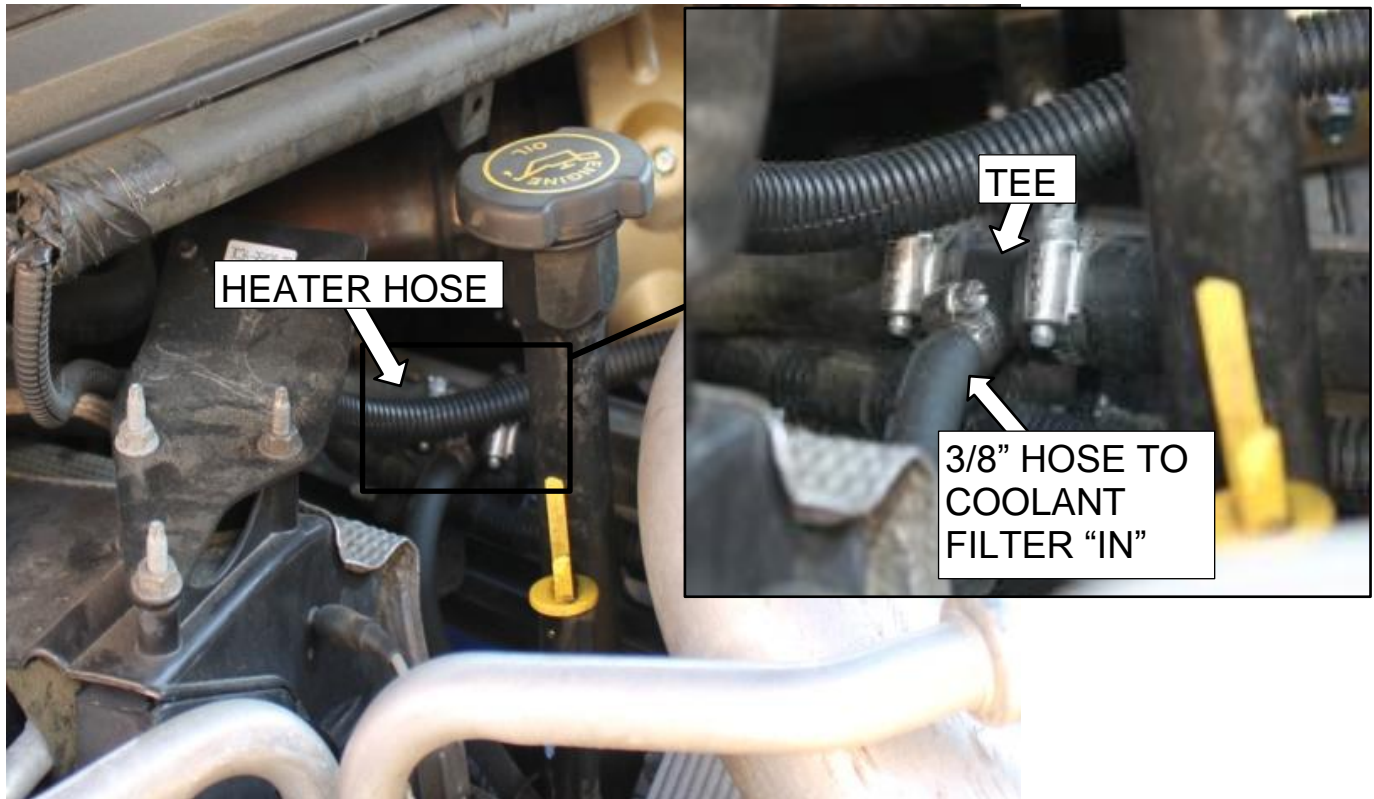
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6. Lubricate the filter seal with some clean coolant and install the filter onto the filter head.
7. Now mount the filter head assembly to the bracket using the (2) supplied washers and screws.



8. Cut a section from the heater hose running parallel to the intake runner and install the 3/4" x 3/8" x 3/4" tee fitting using the supplied gear/spring clamps.



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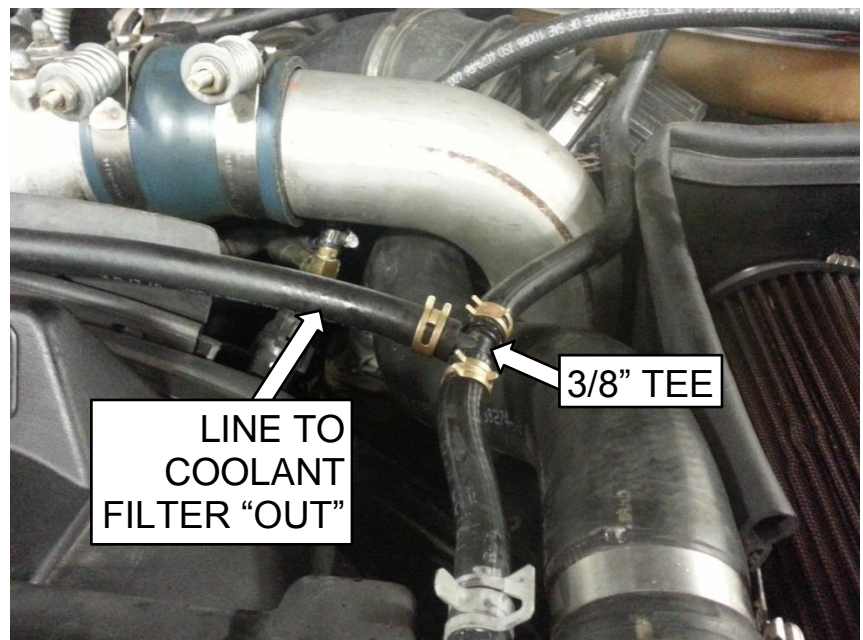
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9. Route this hose to the port marked "IN" on the coolant filter head. Securing with hose clamps and zip-ties as necessary.



10. Cut coolant hose from degas bottle to radiator a few inches from radiator as shown. Install 3/8" tee fitting and secure with supplied hose clamps.



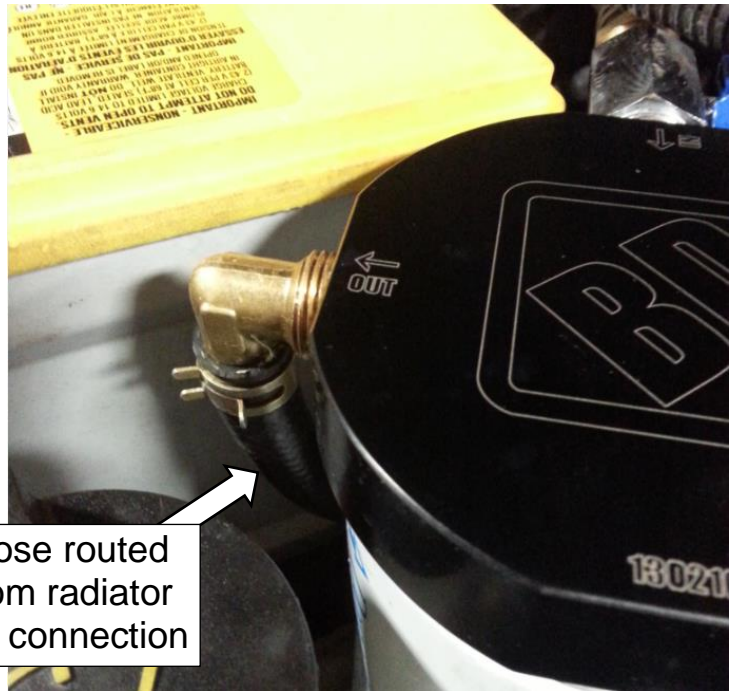
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11. Route 3/8" hose from the tee fitting to the coolant filter head "OUT" securing with hose clamps. Be sure to secure with zip ties to avoid chafing.



Hose routed from radiator tee connection

12. Ensure hoses routed properly and secured with zip ties and hose clamps.



13. Refill coolant to fill line
14. Check that ball valve handle is parallel with the valve, or the "OPEN" position before starting vehicle.
15. Road test vehicle. Check for leaks and top up coolant as necessary.

FILTER REPLACEMENT PROCEDURE***Replace coolant filter every 24,000 KMS or 6 Months***

1. Close the ball valve by turning it 90 degrees in a clockwise direction.



2. Unthread the filter off the filter head, a small amount of coolant may leak out. Discard old filter.
3. Lubricate the new filters seal with some clean coolant and install the filter onto the filter head.



4. Reopen the ball valve.

NOTE: The blue lever should be in line with the valve.

5. Start engine and check for leaks. Top up coolant as necessary.



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