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Auxiliary Transmission Filter Kit

Designed For 6.0/7.3L Ford Powerstroke Trucks

Part #	Vehicle	Application	Type
1064012	Ford	1989-1997	E40D

The BD Remote Filter Kit will provide added security for your performance transmission. Oil normally flowing from the Torque Converter directly to the lube circuit will be filtered *thru the LFP5570/ transmission filter that is rated at 98% efficient at 25 micron* for extra protection and allow for easy filter replacements.

Does not work on dual alternators on a 7.3L, call BD for options.

READ ALL INSTRUCTIONS CAREFULLY 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

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Kit Contents (1064012) E4OD Kit Contents

1604121	1604018	1604008	1604019
Filter Head	5/16" Hose x 3/8" NPT Fitting	Oil Filter	3/8" NPT x #8 ORB 90° Fitting
			
Qty: 1	Qty: 2	Qty: 1	Qty: 2
1604017	1604124	1100111	1100112
Oil Filter Bracket (E4OD)	Filter Head Adapter Screw	1/4" Flat Washer	1/4" Lock Washer
			
Qty: 1	Qty: 2	Qty: 2	Qty: 2
1604031	1505001	1300131	
5/16" Transmission Hose	Hose Clamp	Medium Tie Wrap	
			
Qty: 4 ft	Qty: 3	Qty: 3	

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Required Tools

- Set of combination wrenches
- Various screw drivers and Pliers
- Pipe cutter
- Drain pan

Filter Cross Reference

Company		Crossover P/N#
	Hastings	LF364
	Baldwin	BT230
	Donaldson	P555570
	Fleetguard	LF3342
	Fram	PH3519
	Luber-Finer	LFP5570
	WIX	51268

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Installing Filter Head Adapter Bracket



FILTER HEAD INSTALLATION

Locate and remove the two bolts on the passenger side of the radiator support between the battery and radiator with a 10 mm socket.

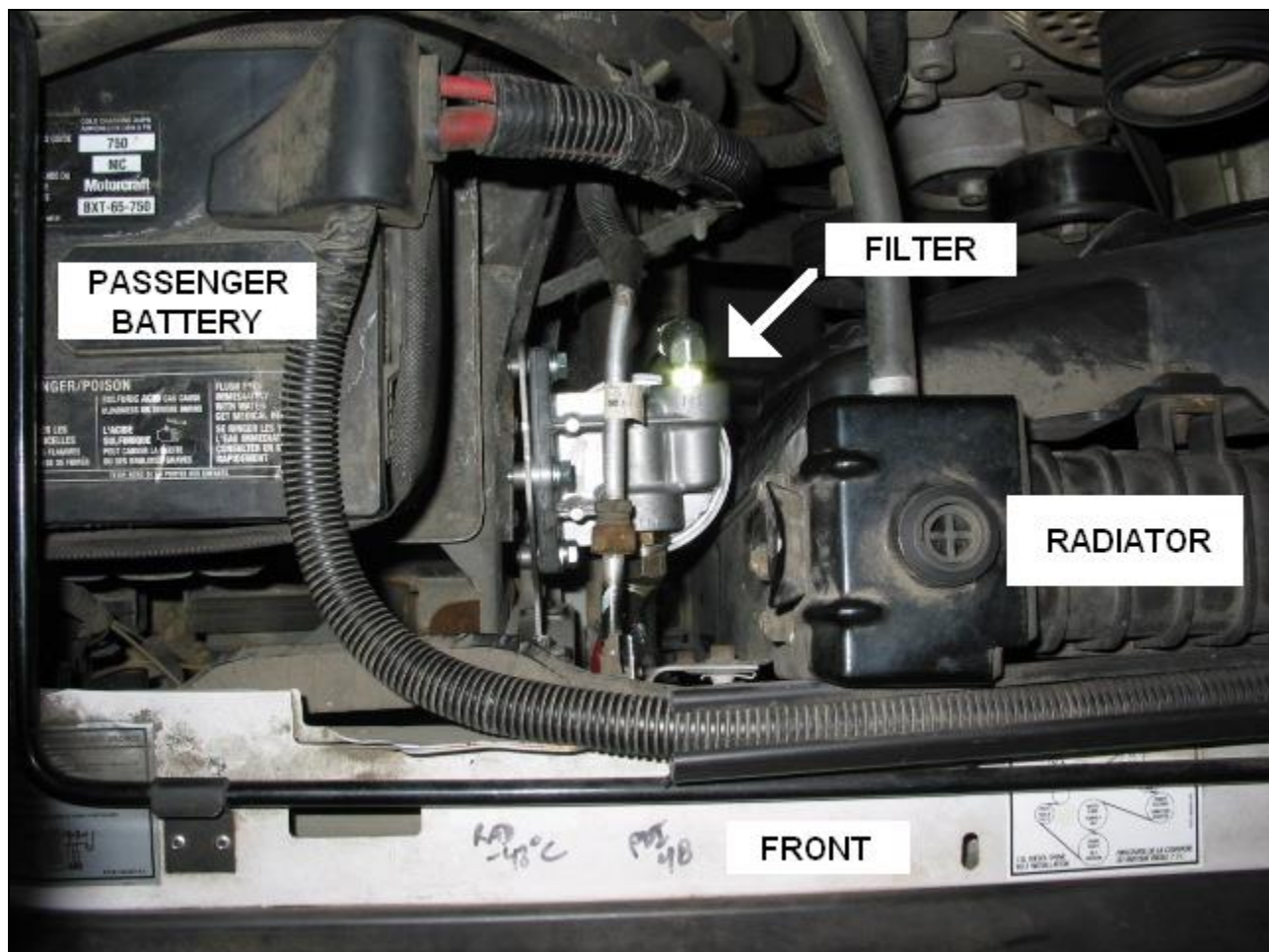
Install the filter head mounting bracket reusing the factory bolts.

Install the two barb fittings into the 90° ORB fittings, and then install the two 90° ORB fittings into the inlet and outlet of the filter head.

When installed, the fittings need to point in a downward direction towards the filter. Twist the fitting in until the O-ring gets as close as possible to the filter head, then by holding the fitting, tighten the jamb nut.

Install the supplied hose onto the barb fitting of the **outlet** and secure with a hose clamp.

Install the filter head on to the bracket with the supplied bolts leaving the filter off at this point, as it will be installed later.



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COOLER LINE INSTALLATION

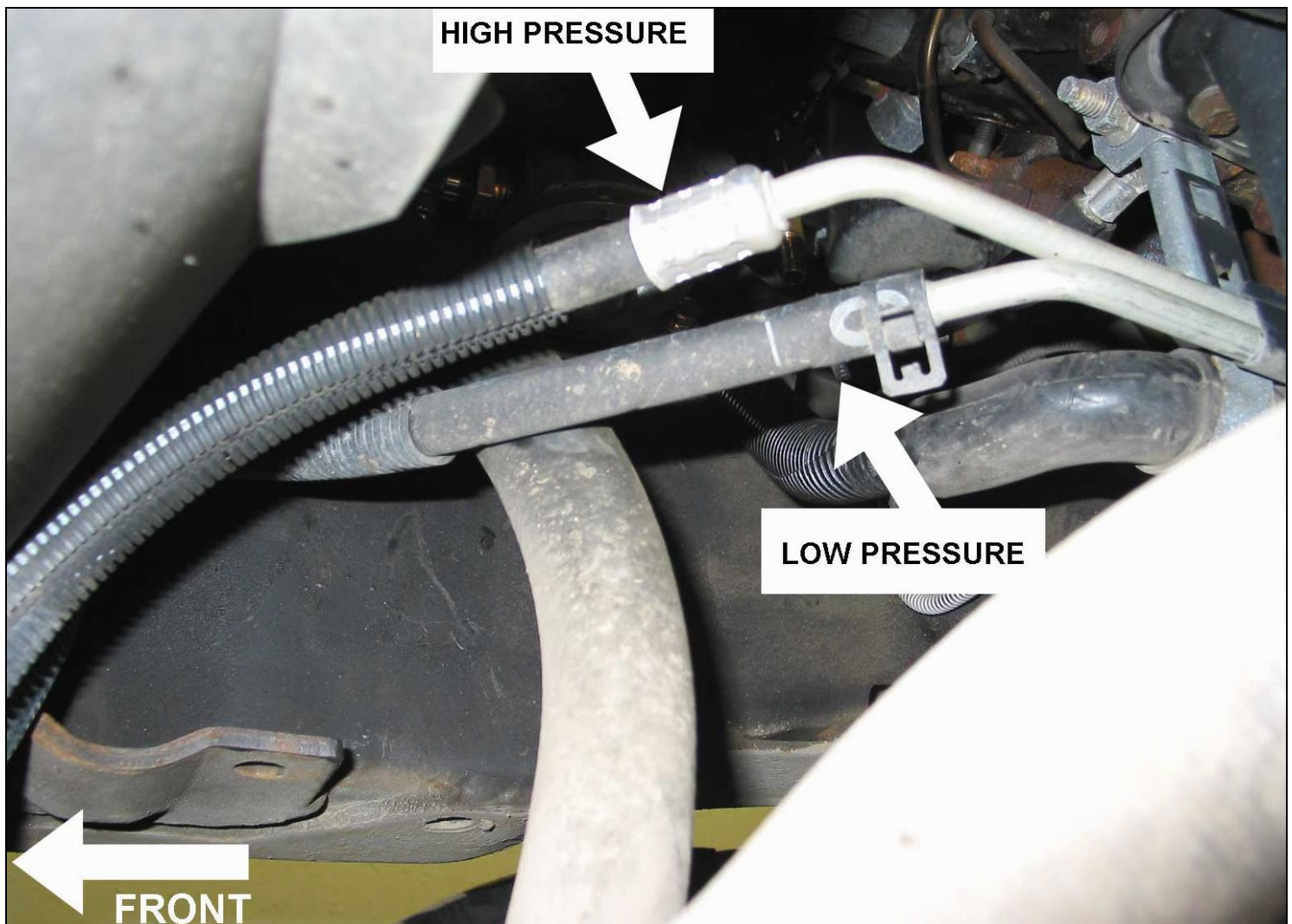
Locate and identify the oil cooler lines coming from the transmission and cooler / radiator.

Position a drain pan under these lines and, with a pair of pliers, loosen the spring clamp and remove the hose from the low pressure (return) line.

Remove the spring clamp from the hose and install the supplied worm screw style hose clamp.

Insert the low pressure (return) hose onto the barbed elbow fitting of the inlet side of the filter housing. NOTE: The rubber hose may have to be cut to remove any excess.

Tighten the hose clamp to secure.



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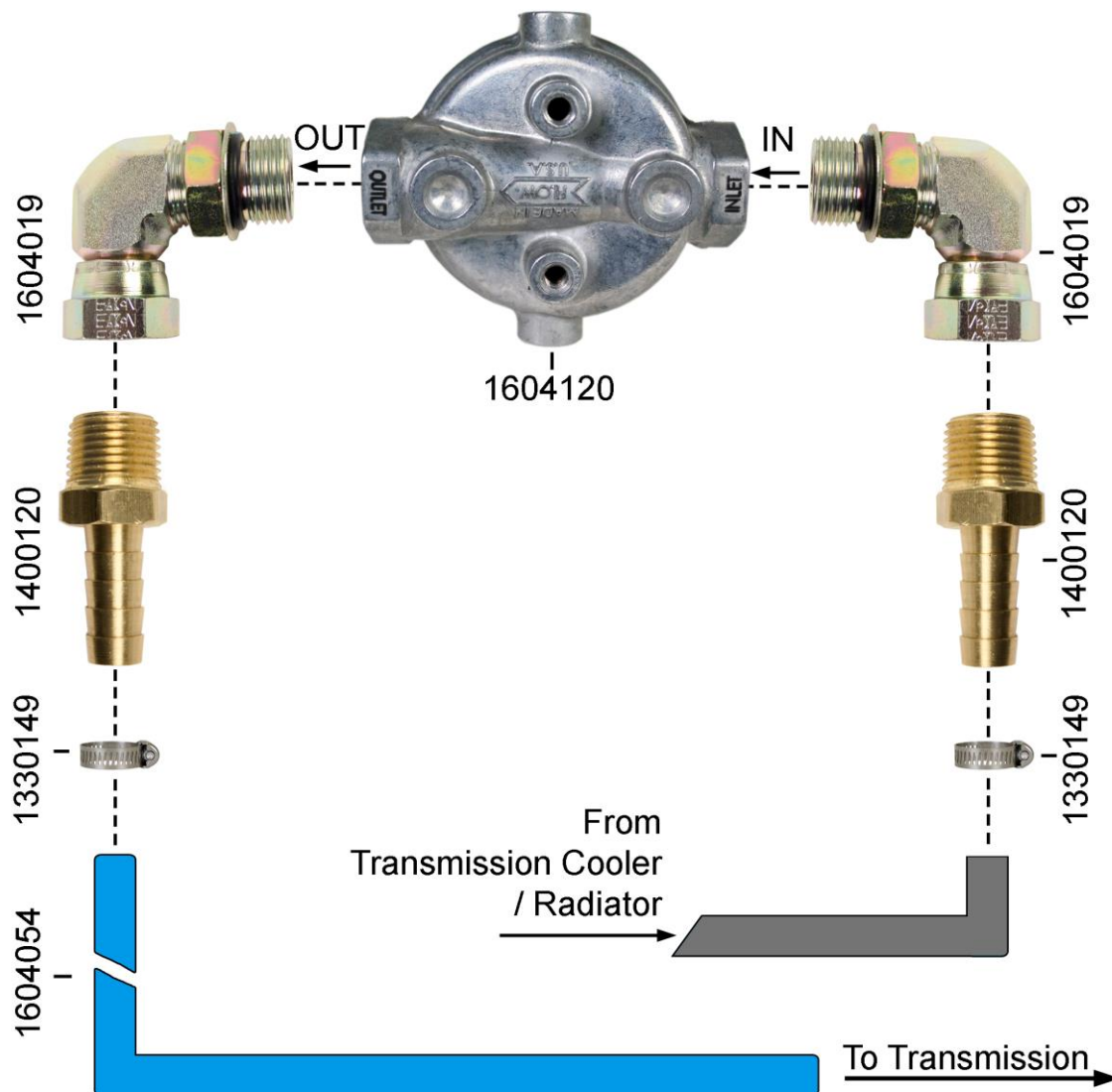
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Push a hose clamp over the outlet hose from the filter and attach the hose to the straight fitting just installed on the steel line, cutting any excess hose. Tighten the hose clamp.

NOTE: Ensure that any hoses and tubes are positioned clear of moving parts and secure them with tie straps and/or securing clamps provided.

COOLER HOOK-UP DIAGRAM



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FILTER ELEMENT INSTALLATION

Lubricate the oil filter seal with some fresh transmission fluid and install the oil filter onto the filter head.

Once the rubber seal has contacted the mating surface of the filter head, tighten the oil filter an additional $\frac{1}{4}$ to $\frac{1}{2}$ turn.

**** CAUTION: DO NOT USE A FILTER WRENCH TO TIGHTEN FILTER ELEMENT. DO NOT OVER-TIGHTEN FILTER. ****

FLUID LEVEL

Lower the vehicle and start the engine. Check for fluid leaks and proceed with a check of the transmission fluid level. Top up as necessary.

Questions?

If you experience any problems or difficulties, please contact the BD Technical Department at (800) 887-5030 or fax at 1-604-853-8749, between 8:00am and 4:30pm Pacific Time.