

INSTRUCTION SHEET: Power Steering Cooler

PART# 3127



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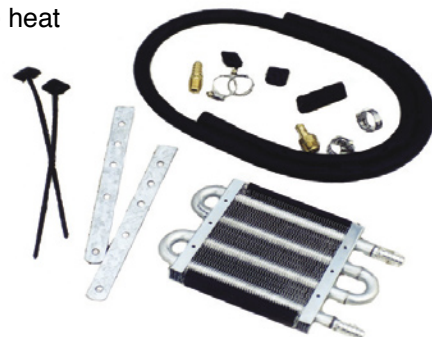
1	Cooler	2	Mounting pull-tabs, pads and retainers
1	3/8" x 48" hose	2	Mounting straps, universal
4	3/8" hose clamps	2	Cushioning pads

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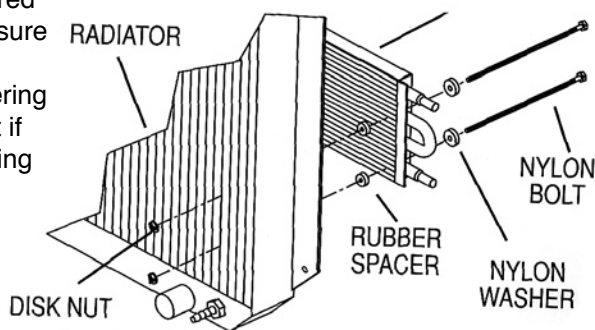
Please read all instructions before beginning.

NOTE: It's important to route all hoses away from sharp objects or items of excessive heat such as headers and exhaust. Do not bend hoses tighter than a 5" radius.

1. Find a suitable location for the cooler that is in a high air-flow location. For maximum cooling we suggest placing it in front of the radiator. We have included hardware to accommodate a variation of mounting choices. Most manufacturers recommend mounting through the radiator (as shown in the illustration.) We prefer to use the universal mounting strips, eliminating the chance of damage to your radiator. Position the inlet and outlet so that they are directed downward or to the driver's side. NOTE: On some applications (such as vehicles equipped with an electric pusher fan) it may be necessary to mount the cooler in a different location. Additional mounting items such as screws or bolts may be necessary to retain the straps to the mounting surface. Use the mounting pull-tabs and cushioning pads to secure the cooler to the universal mounting straps.



2. Identify and remove the low pressure (or return) hose. It is usually secured with a band or screw type clamp. WARNING: Do not remove the high pressure supply hose! It is usually larger in diameter and has swaged fittings that SCREW into the power steering pump and/or box. CAUTION: Power steering fluid can be extremely hot and can cause burns. Do not install this product if the vehicle has recently been ran. Allow sufficient time for the power steering fluid to cool before proceeding. Attach one end of the 3/8" hose to the cooler and the other end to the return hose. Use the 3/8" hose clamps to secure each connection.



3. Connect the other side of the cooler to the return hose from the power steering box. Use a 3/8" hose clamp to secure the hose to the cooler. It may be necessary to temporarily loosen the fitting at the steering box in order to properly position the return hose. Once the return hose from the steering box is connected to the cooler tighten all fittings. If necessary a longer return hose may need to be purchased.

4. Fill the power steering fluid reservoir to full. Rotate the steering wheel side to side slowly to help purge any air that may be trapped in the system. Check the fluid level again and top off if necessary.

5. Run the engine and inspect the cooler and hoses for any leaks. Rotate the steering wheel side to side slowly to help purge any additional air that may be trapped in the system. Check the fluid level again and top off if necessary. If any leaks are present shut the vehicle down immediately. Do not proceed until all leaks have been fixed. Do not hold the steering wheel at full lock for a length of time as this can damage the steering components due to excessive heat.

6. Take the vehicle for a test drive to check the new set up. Inspection of the fluid and hoses should be done during normal periodic maintenance, as well as, before and after any off road use.

LIMITED WARRANTY

James Duff Inc. warrants our products to the original purchaser to be free from defects in materials and workmanship. Warranty periods begin at the date of purchase and varies by product. Shocks have a limited lifetime warranty. Headers, Radiators and Suspension Products have a one year warranty. Power Brake Boosters and Master Cylinders have a three year warranty. Adapters and soft goods such as Canvas tops, upholstery, vinyl and rubber products have a 90 day warranty. All warranties are to the original purchaser with proof of purchase only. Such obligations under this warranty shall be limited to the repair or replacement, at JDI's discretion, of any assembly or part which upon examination by JDI proves to be defective. Any costs of removal, installation, reinstallation or freight charges are expressly excluded from this warranty. This warranty covers only manufacturers defects, and does not cover product finish or damage resulting from abuse, misuse, negligence, racing, alteration, accident or damage in transit.

All returns must be pre-authorized by JDEI and accompanied with a Return Goods Authorization Number (RGA) and a dated proof of purchase. Returns must be made within 90 days of purchase, shipped prepaid, packaged in original cartons to prevent damage in shipment and sent to JDI, 3231 NW Park Dr., Knoxville, TN 37921 Returns without an RGA# will be refused.

This warranty is expressly in lieu of all other warranties, expressed or implied, including the implied warranties of merchantability and fitness for use. This warranty gives you specific legal rights including other rights that vary from state to state. Some states do not allow limitations on how long an implied warranty lasts, or do not allow the exclusion of limitation of incidental or consequential damages, so the above limitations and/or exclusions may not apply to you.