

INSTALLATION INSTRUCTIONS:

Bronco II, Ranger & 91-94 Explorer Stainless Steel Braided Brake Hoses *1983-88 see Supplemental Instructions at bottom



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PART# 3932A

These hoses not only meet all DOT, TUV & JWA standards and specifications for flexible hoses including SAE J 1401 (Jan 81) and FMVSS 106-74-38 FR31302 1973, they are individually inspected and tested before shipment. Batch testing, the industry standard, is not acceptable. Each individual hose assembly is pressure tested at 4000 psi after manufacture.

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NOTE: Read instructions completely before beginning. Be certain you have all required parts, materials and tools and that you know where they go and how to use them. Reread each step as you go.

INSTRUCTIONS:

1. Being careful not to get brake fluid on paint, drain the system of brake fluid.
2. Remove the stock hoses. To avoid rounding the corners of the fittings, soak the threads of the fittings which connect the hard lines to the flexible rubber hoses with penetrating oil and use a properly sized line wrench.
3. Remove and discard all crush washers. Carefully clean the sealing surfaces.
4. Clean and inspect all adapters and banjo bolts. Replace any damaged parts.
5. Make sure that your new stainless hoses are clean and dry. Even minute amounts of debris and/or water can damage an anti-lock braking system.



Figure 1

6. Install the new stainless hoses using the original banjo bolts. Use the new crush washers supplied with the kit. Do not fully tighten the banjo bolts or threaded hose ends until step 7 is completed. Note: The correct orientation of the banjo and brake line as shown in figure 1. It is imperative that the hose is straight up from the banjo block.

7. We make every effort to ensure that our hoses will properly fit the entire model range. However, the vehicle manufacturers sometimes make detail changes within a model year. Therefore each hose installation must be checked for correct length, routing and clearance. The hose must be installed without twists or kinks and the installation at each wheel must be checked through full travel of both suspension and steering to ensure that the hoses are not stretched or kinked and that there is no possible interference or abrasion.

8. Tighten all fluid connections. Tighten the fittings connecting the hard lines to the stainless hoses first. Then tighten the banjo bolts or threaded hose ends, making certain that the hoses are twist free. To ensure that the hoses are twist free, the ends are radically adjustable at either the hard line adapter or at the intersection between the elastomeric hose and the stainless braid protected Teflon hose.

9. Bleed the system in accordance with the vehicle manufacturer's instructions. Use only fresh brake fluid meeting DOT 3 specifications or above.

10. Before driving the vehicle, pump the brake pedal several times to force the pads against the discs and make a final inspection to ensure that all fluid connections are tight and leak free under full line pressure.

FOR 83-88 RANGER & BRONCO II'S CHASSIS TO REAR AXLE

1. Remove stock hose and bracket.
2. Remove (by grinding or filing) the peened-over brass projection that holds the stock T fitting to the bracket, noting its orientation in relation to the stock T fitting.
3. Drill a 5/16" hole through the bracket to position the new T fitting in the same position as the stock T.
4. Using the 5/16" bolt, nut & washers, bolt the new T to the old bracket using the same orientation as the stock T fitting.
5. Reinstall the bracket and connect the stock hard lines to the new T fitting.
6. Attach the chassis end of the hose to the chassis tab.
7. Follow the instructions for the balance of the installation.

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.

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