

**INSTALLATION INSTRUCTIONS: #3106**  
**1966-'75 Bronco Shorty Headers**



**CONTENTS:**

- 1 Driver side Shorty Header
- 1 Passenger side Header
- 2 2 Bolt Flange Adapters w/ o2 Bung
- 2 Cylinder Head to Header Gaskets
- 16 Cylinder Head to Header Bolts
- 4 Collector Adapter Bolts
- 4 Collector Adapter Nuts
- 2 o2 bung plugs

**TOOLS NEEDED:**

- Safety glasses
- CRC Knock'r Loose
- 3m Painters Tape
- 1/4" & 3/8" Drive Ratchet
- 3/8" 1/2" 9/16" 5/8" 11/16"
- Wrenches and sockets
- 2 Jack Stands
- Floor Jack
- 3/8" Drive Torque Wrench

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**BEFORE INSTALLING: Open all boxes, verify all contents are present before beginning install. Soak all existing bolts and hardware with CRC Knock'r Loose before removing. For a trouble free install we highly recommend using #3082 Premium Header Bolts and #3050 REMFLEX gaskets. This will allow for easier hardware installation and reduce the chances of having leaks or blowing out a gasket.**

1. IF YOU HAVE A 351W PLEASE READ STEP 2 BEFORE INSTALLING HEADERS. If you have purchased lava wrap from us this would be the best time to wrap your headers with it using the supplied instructions.

The driver side is shorter and can be installed from above or below depending on how your Bronco is accessorized. The passenger side can also be installed from above or below on 289/302 & 5.0 but in most cases if you're running a 351W it will need to be installed from below.

If the 351W has a C4 or AOD it will be very tight and require patience and a slow steady hand. Make sure to use the supplied header gaskets and start all the bolts by hand starting with the outer ones first.

**Note: If you upgraded to remflex gaskets #3050, then only torque them to 20 foot pounds starting from center bolts and working to the ends of the flange. DO NOT RE-TORQUE THEM. Doing so could crush the gasket beyond service limits.**

You will not be able to use a socket on all the bolts, unless you upgraded to our #3082 Premium Header Bolts, but we do recommend you use a torque wrench on the ones you can and torque them to 25 foot pounds if using the supplied gaskets, Once the new exhaust is on and the engine has reached operating temperature you will want to re-torque the header bolts a couple more times until the gaskets are fully seated. Important: Only re-torque if you use the supplied gaskets - Not REMFLEX. If you upgraded to REMFLEX gaskets follow the REMFLEX installation instructions.

Do your best to torque the other bolts down with a wrench the same amount. Be careful not to burn yourself, those headers get REALLY HOT!

2. If you have a 289/302 or 5.0 based motor, skip to step 3. On 351W based motors, this step is very important. The shorty headers were not specifically designed for the 351W block in an EB, so there are a few mods required to make them fit. You will notice the passenger side header's two rear primary



tubes make contact with the inner fender, some shaping/bending of the fender or the tubes may be required if you don't want them touching. You will also notice the collector flange is very close to the frame. See FIG 1 for how we recommend to trim away some material from the header collector flange AND the adapter flange so they don't contact the frame when the motor twists. If you ignore this step, your headers will loosen from the cylinder head causing exhaust leaks and eventually damage the cylinder head.

3. If you are installing one of our exhaust kits, compatible with shorty headers, you will first need to attach the 2 bolt flange adapter (included with headers) to the headers. As shown in FIG 2, Be sure to clock the adapter so the O2 sensor bung is facing up and has enough room for the sensor to thread on. It is important that the sensor is not facing down, doesn't have any interference issues and that the wiring coming out isn't kinked or rubbing on anything. Once the adapters are firmly mounted properly, continue with the installation of your James Duff Exhaust kit; 3095, 3095-SS, 3060 or 3062.

## Add-ons to Consider:



**Premium Header Bolts  
#3082**



**Lava Wrap  
#3077**



**Remflex Header Gaskets  
#3050**



**Spark Plug Boots #3078**



**Stainless 2 into 1 Exhaust  
#3062**



**Aluminized 2 into 1  
#3060**



**Stainless Dual Exhaust  
#3095-SS**



**Heatshield Products  
Muffler Armor #3076**

### 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, Power Brake Boosters and Master Cylinders have a one year warranty. Adapters and soft goods such as 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, re-installation 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 JDI and accompanied with a Return Goods Authorization Number (RGA) and a dated proof of purchase. Returns must be made within 90 days of purchase, packaged sufficiently to prevent damage in shipment and sent prepaid to JDI, 6609 Bronco Lane, 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.