

# IRON ROCK OFF ROAD

1-877-919-JEEP www.ironrockoffroad.com

## ZJ 4-Link Exhaust Instructions

### Parts List:

- ☐ Cat to muffler pipe 98034 (1)
- ☐ Tailpipe 98035 (1)
- ☐ Turn down pipe 98036 (1)
- ☐ Muffler FP4024 (1)
- ☐ Magnaflow High Flow Cat 94006 (1)
- ☐ Exhaust hanger, square (1)
- ☐ 2-1/2" HD Exhaust Clamp Style B (1)

### **Safety Warning: \*\*\*Important! Read Before Installation. \*\*\***

We recommend that all welds be performed by a skilled welder. An exhaust leak could cause harmful gases to creep into the vehicle's cabin while in operation and cause serious harm or death.

### **Before you begin:**

- ☐ This exhaust system is designed for use with the Iron Rock rear 4-Link long arm suspension system but should work with most other 4 link rear suspension systems.
- ☐ Read all safety warnings.
- ☐ Read and understand installation instructions.
- ☐ Contact Iron Rock Off Road with any questions before, during, or after installation.
- ☐ Ensure that all parts are present and in good condition using the included shipping checklist.
- ☐ Be sure you have the following tools and supplies:
  - ☐ Sawzall or exhaust tubing cutter
  - ☐ Basic hand tools
  - ☐ Welder and related supplies

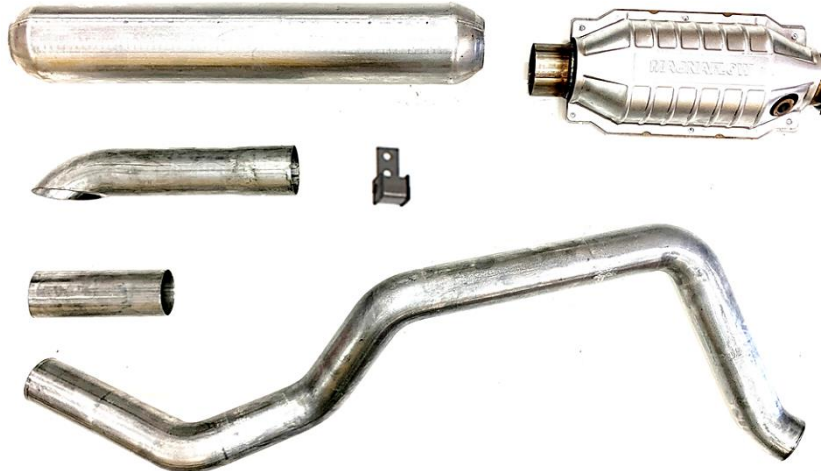
### **Installation:**

1. Lift rear of vehicle and support with tall jack stands under the frame.
2. Ensure that the vehicle is safely supported.
3. Make sure your rear axle is centered and the approximate pinion angle is set.
4. Disconnect rear shocks and allow the suspension to droop fully.
5. Remove rear coil springs.
6. Cut the factory exhaust pipe just in front of catalytic converter.
7. Remove exhaust system behind your cut.
8. Install the rubber exhaust hanger into an existing threaded hole on the frame near the trailer hitch. (arrow)
9. Slip the new Magnaflow cat over the factory pipe with the O2 sensor hole facing up and at the rear of the cat.



**\*\*Note:** The cat will need to be angled slightly to clear the 4-link crossmember.

10. Slide the short extension pipe onto the cat with the angled end toward the muffler.





11. Install the tailpipe from the rear of the Jeep, over the axle.
12. Insert the exhaust hanger rod into the rubber exhaust hanger.
13. Slide the tail pipe and turn down pipe into the clamp and hand tighten the bolts temporarily.



14. Connect the tail pipe to the cat extension pipe with the muffler. Be sure the open end of the sound baffles face toward the engine.
15. Raise the axle up until the shocks bottom out or bump stops contact the bump stop extensions.
16. Position exhaust with a minimum of 3/8" gap (one finger) clearance on all sides everywhere.
17. Ensure there is adequate clearance for driveshaft, upper control arms, and the top of the axle at full stuff (suspension fully compressed).
18. Put 4 large tack welds on each end of the muffler, cat, and extension pipe to connect them securely together.
19. Fully droop the rear axle, unbolt the exhaust isolator and remove exhaust system.
20. Fully weld the muffler on both ends outside of the Jeep. Be sure that the welds cover from the outside casing of the muffler down onto each section of pipe to prevent leaks.
21. Fully weld the catalytic converter to the extension pipe.
22. Reinstall the exhaust and double check all clearances.
23. Slip the new exhaust system over the factory pipe and fully weld it to the factory pipe.
24. Check clearances again. Remember 3/8" minimum, plus room for moving suspension and drivetrain parts.
25. Run engine and check for leaks. Add weld if necessary.
26. Reinstall the springs and shocks.
27. Lower vehicle from jack stands.

