

IRON ROCK OFF ROAD

WJ 4-Link Exhaust Instructions

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

Parts List:

- Instructions
- Front pipe 98012 (1)
- Tailpipe 98013 (1)
- Muffler 4018005S (1)
- Exhaust hanger, square (1)

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

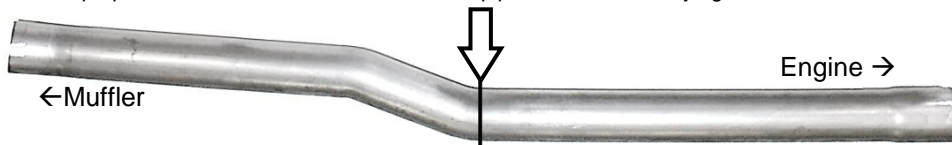
We recommend that all welds be performed by a skilled welder. An exhaust leak could cause harmful gases to creep into the vehicle's cabin while in operation and cause serious harm or death.

Before you begin:

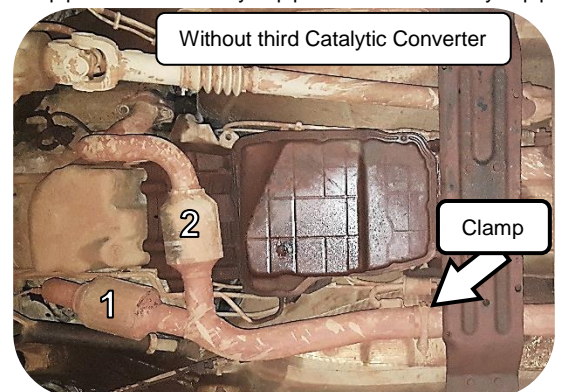
- This exhaust system is designed for use with the Iron Rock rear 4-Link long arm suspension system but should work with most other 4 link rear suspension systems.
- Minimum of 4 inch bump stops are required.**
- Read all safety warnings.
- Read and understand installation instructions.
- Contact Iron 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
- Some WJs are equipped with 3 Catalytic Converters.** Determine if yours has the optional third cat (located beside transfer case). This is important for how your exhaust system is installed.

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. **With third Catalytic Converter:** Cut the factory exhaust pipe 1 inch behind third cat. The front pipe of the new exhaust system will be trimmed to match.
7. Remove any remaining exhaust piping behind the third cat.
8. Trim the front pipe to match the catalytic converter. Start with a cut just in front of the first bend. For proper clearance, the bend in the exhaust pipe should be directly against the third cat.



9. **Without third Catalytic Converter:** Remove the original exhaust clamp and slip exhaust pipe off of the factory Y-pipe. Do not cut factory Y-pipe.
10. Remove any remaining exhaust piping behind the factory Y-pipe.
11. Slip the new front pipe over the factory Y-pipe with the last bend pointing upwards. Do not cut the front pipe.



Install video on
 YouTube

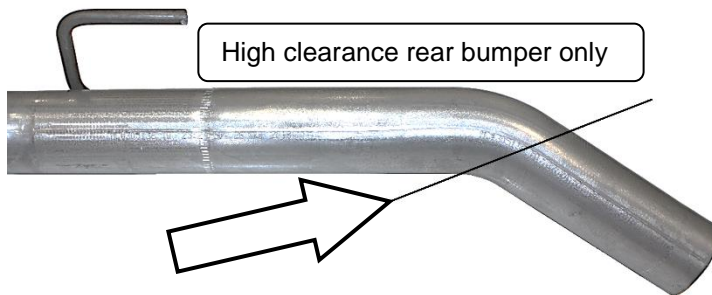


12. Disconnect rear exhaust hanger bracket behind rear bumper.
13. Install the new rubber isolator onto the frame using the original exhaust hanger hardware. The bolt goes in the bottom hole in isolator and bottom hole on the frame.
 **For aftermarket high clearance bumpers: The top hole in the frame and the top hole in the isolator can be used to maximize ground clearance. Extra attention to exhaust clearances is required. **
14. Install the tailpipe from the rear of the Jeep, over the axle, between the ABS wires.
15. Insert the exhaust hanger rod into the rubber isolator.

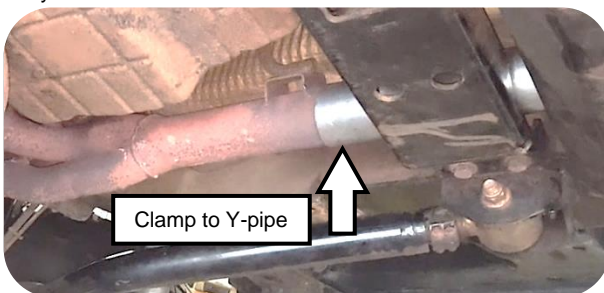


16. Connect both sections of exhaust pipe with the muffler. Be sure the open end of the sound baffles are facing towards the engine.
17. Raise the axle up until the bump stops contact the bump stop extensions. (4 inch bump stops required)
18. Position exhaust with a minimum of 3/8" gap (one finger) clearance on all sides everywhere.
19. Ensure there is adequate clearance for driveshaft, upper control arms, and the top of the axle at full stuff (suspension fully compressed).
20. Check that the tail pipe section is centered in the opening in the factory bumper.

**For aftermarket high clearance bumpers: Trim the downward angled section of the tailpipe to maximize ground clearance. **



21. Put 4 large tack welds on each end of the muffler to connect it securely to both sections of pipe.
22. Fully droop the rear axle, unbolt the exhaust isolator and remove exhaust system.
23. Fully weld the muffler to both sections of pipe 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.
24. Reinstall the exhaust and double check all clearances.
25. Clamp the new exhaust system to the original exhaust pipe or fully weld it to your third catalytic converter.



26. Check clearances again. Remember 3/8" minimum, plus room for moving suspension and drivetrain parts.
27. Run engine and check for leaks.
28. Reinstall the springs and shocks.
29. Lower vehicle from jack stands.