RED ROCK RedRock Axle Back

RED ROCK Dual Outlet Axle Back Exhaust with Black Tips

Installation and User Manual for Jeep Wrangler JK (2007-2018)

1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your RED ROCK Dual Outlet Axle Back Exhaust System with Black Tips. This system is designed specifically for Jeep Wrangler JK models manufactured between 2007 and 2018. Please read this manual thoroughly before beginning installation to ensure proper fitment and safe operation.

2. Safety Information

- Always wear appropriate personal protective equipment, including safety glasses and gloves, during installation.
- Ensure the vehicle is securely supported on jack stands or a lift before working underneath it. Never rely solely on a jack.
- Allow the vehicle's exhaust system to cool completely before beginning work to prevent burns.
- Work in a well-ventilated area to avoid exposure to exhaust fumes.
- Keep all tools and components organized to prevent tripping hazards.
- If you are unsure about any step of the installation process, consult a qualified automotive technician.

3. Package Contents

Verify that all components are present and undamaged before proceeding with installation.

- 1x Axle Back Muffler Assembly with Dual Outlets
- 2x Black Exhaust Tips
- 3x Exhaust Clamps



Image 3.1: Complete RED ROCK Dual Outlet Axle Back Exhaust System. This image displays the main muffler assembly with its dual outlets, ready for installation.



Image 3.2: Two black exhaust tips. These tips are designed to attach to the muffler outlets, providing the finished aesthetic.



Image 3.3: Three exhaust clamps. These clamps are used to secure the exhaust components during installation.

4. Tools Required

- Socket Wrench Set (Metric and/or Standard, depending on vehicle)
- Torque Wrench
- Pry Bar or Exhaust Hanger Removal Tool
- Penetrating Oil (e.g., WD-40)
- Safety Glasses
- Gloves
- Vehicle Lift or Jack Stands

5. Setup and Installation

Preparation:

1. Park the vehicle on a level surface and engage the parking brake.
2. Allow the exhaust system to cool completely.
3. Safely lift the rear of the vehicle using a lift or jack stands to provide adequate working space.
4. Locate the factory axle-back exhaust section.

Removal of Factory Exhaust:

5. Apply penetrating oil to the factory exhaust clamp and hanger bushings to aid in removal.
6. Using a socket wrench, loosen the clamp connecting the factory axle-back section to the mid-pipe.
7. Carefully remove the exhaust hangers from their rubber isolators using a pry bar or exhaust hanger removal tool.

8. Once all clamps are loose and hangers are free, carefully remove the entire factory axle-back exhaust assembly from the vehicle.

Installation of RED ROCK Exhaust:

9. Position the new RED ROCK axle-back muffler assembly under the vehicle.
10. Insert the hangers on the new muffler assembly into the factory rubber isolators.
11. Slide the inlet pipe of the new muffler assembly onto the mid-pipe, ensuring a snug fit.
12. Install one of the provided exhaust clamps over the connection point between the new muffler assembly and the mid-pipe. Do not fully tighten yet.
13. Install the two black exhaust tips onto the dual outlets of the muffler assembly. Use the remaining two clamps to secure them. Do not fully tighten yet.
14. Adjust the position of the entire exhaust system to ensure proper alignment and clearance from other vehicle components. Ensure the tips are centered and level.
15. Once satisfied with the alignment, progressively tighten all exhaust clamps to the manufacturer's recommended torque specifications.
16. Double-check all connections and hangers for security.



Image 5.1: The RED ROCK Dual Outlet Axle Back Exhaust System from a rear-side view, showing the dual outlets and black tips. This view helps in visualizing the final installed appearance.



Image 5.2: The RED ROCK Dual Outlet Axle Back Exhaust System viewed from above, highlighting the muffler body and pipe routing. This perspective is useful for understanding component placement during installation.

6. Operating Instructions

Initial Start-Up and Inspection:

1. After installation, lower the vehicle safely.
2. Start the engine and listen for any exhaust leaks. Leaks can often be identified by a hissing sound. If leaks are detected, re-tighten clamps or adjust connections as necessary.
3. Allow the engine to run for a few minutes to reach operating temperature. The exhaust system may emit a slight odor as it heats up for the first time; this is normal.
4. Perform a visual inspection to ensure adequate clearance between the exhaust system and all other vehicle components (e.g., suspension, fuel lines, body panels).
5. Drive the vehicle for a short period, then re-check all clamps for tightness after the exhaust has cooled.

7. Maintenance

- **Regular Inspection:** Periodically inspect the exhaust system for any signs of damage, corrosion, or loose connections. Check rubber hangers for wear or cracking.
- **Clamp Tightness:** Re-check the tightness of all exhaust clamps every 3,000-5,000 miles or during routine vehicle maintenance.
- **Cleaning:** The black tips can be cleaned with a mild automotive cleaner and a soft cloth to maintain their appearance. Avoid abrasive cleaners.
- **Corrosion Prevention:** While made from durable 409 stainless steel, regular cleaning, especially in areas exposed to road salt or harsh chemicals, can extend the life and appearance of the system.

8. Troubleshooting

Problem	Possible Cause	Solution
Exhaust Leak	Loose clamp, improper pipe seating, damaged gasket (if applicable).	Tighten clamps, re-seat pipes, inspect for damage.
Rattling Noise	Exhaust system contacting vehicle chassis, loose hanger, loose internal muffler component.	Adjust exhaust position for clearance, inspect hangers, consult technician if internal issue suspected.
Excessive Vibration	Misaligned exhaust, worn rubber hangers, engine/transmission issue (less likely).	Check alignment, inspect and replace worn hangers.
Tips not aligned	Tips not fully seated or clamps not tightened evenly.	Loosen tip clamps, adjust position, then re-tighten.

9. Specifications

- **Product Name:** Dual Outlet Axle Back Exhaust with Black Tips
- **Brand:** RED ROCK
- **Model:** RedRock Axle Back
- **Compatibility:** Jeep Wrangler JK (2007-2018)
- **Material:** 409 Stainless Steel
- **Muffler Type:** Low Restriction Turbo Style
- **Tip Finish:** Black
- **Approximate Item Weight:** 24 pounds

10. Warranty and Support

RED ROCK is committed to providing quality aftermarket automotive products. For specific warranty details, product support, or to address any concerns, please refer to the official RED ROCK website or contact their customer service directly.

You can also visit the official RED ROCK store for more information and products:RED ROCK Store on Amazon