



# Fitting Instructions for NRP Performance Exhaust System

**READ ALL INSTRUCTIONS COMPLETELY BEFORE BEGINNING!**

Part Nr. RNE0012

Fits: Defender 90 NAS V8,  
1994 - 1995  
Manual Gearbox, OBD 1

## Suggested Tools:

- Safety glasses
- Various wrenches
- Grease
- Metal saw (in case of bolt corrosion)
- Penetrating fluid



Safety Glasses



Metal Saw



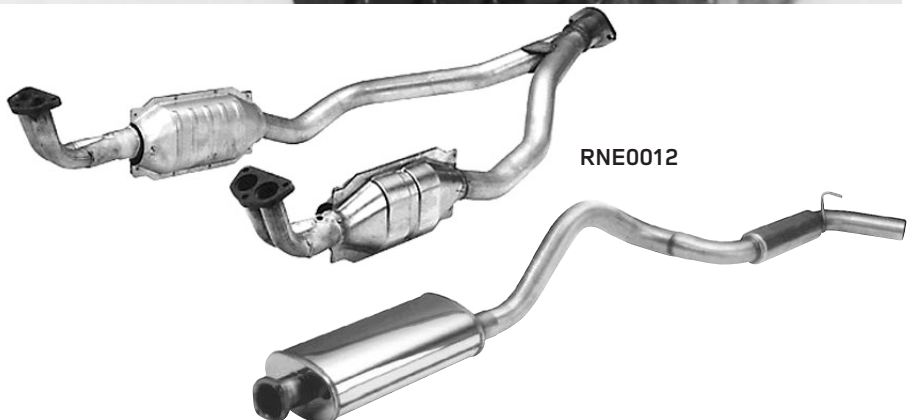
Various Wrenches



Locking Pliers



Penetrating Fluid



RNE0012

**Fitting Instructions for NRP Performance Exhaust System****Instructions for installing exhaust system**

A couple of pointers for installing your new Rovers North Exhaust System.

1. Remove the old exhaust: it is easiest if you first separate the tailplate from the muffler and then the muffler from the Y-pipe. If the studs turn in the flange when you try to remove the nuts, use a pair of locking pliers such as vise-grips to hold the stud head. It may also be helpful to spray them first with a rust penetrant. Once the flanges are unbolted, next unbolt the hanger brackets and remove the hanger and insulator along with the tailpipe and muffler. Next, remove the rubber insulator from the tailpipe and muffler. Again, it may help to spray a lubricant such as silicone spray on the insulator to help it slide off. You will reuse the rubber insulator, rear hanger bracket and nuts and bolts.
2. Remove Y-Pipe assembly, prepare all surfaces for new parts — wire brush off any corrosion and clean muffler mating surfaces before assembly. Install new Y-Pipe assembly, see next page.



**Fitting Instructions for NRP Performance Exhaust System****Instructions**

A couple of pointers for installing your new Rovers North Y-pipe.

3. As pictured, the distance between the left and right side bolt centers is 19-7/8" (photo #1). A shipping bar has been installed to help maintain this distance.
4. A small amount of grease can be used to hold the exhaust manifold gaskets to the exhaust manifold.
5. Start the left side (Driver side) first. It only takes a couple turns of the nuts on the studs to hold it in place.
6. Now push the right side (passenger side) up and into position, install remaining nuts and torque 14-17ft.lbs. in place.



## Installer Warning:



### Before Installation:

Before installing converter, diagnose and repair the condition(s) that caused the original converter to fail. Diagnosis by a trained automotive professional is highly recommended.

**WARNING:** Failure to follow this procedure will severely damage this converter and void the manufacturer's warranty.

### Break-in Period:

This converter requires a "break in" period to allow the matting to expand properly. Please follow these steps after installation:

- Start the engine, do not touch the accelerator pedal.
- Idle engine, warm up slowly.
- After 5 minutes, increase engine speed to 2500 RPM.
- Hold at 2500 RPM for 2 minutes.
- Allow engine to cool down.
- Road test to confirm correct installation.

**WARNING:** Failure to follow these steps can result in converter failure — the ceramic brick can loosen causing rattling and / or damage.

### Catalyst System Efficiency Below Threshold (Bank 1) P0420 Code

**Warranties will not be considered unless both upstream and downstream oxygen sensors have been proven to have been replaced.**

**Instructions for installing rear tailpipe**

A couple of pointers for installing your new Rovers North Exhaust System.

7. Loosely install the NRP front hanger to the body mount. Use the supplied bolt and reuse the large flat washer and nut that was removed when the hanger bracket was removed. Refer to the attached picture if needed (photo 1). Loosely install the muffler to the Y-Pipe (photo 1A). The offset outlet of the muffler goes on the left side of the Defender. Leave the muffler loose at this time.
  
8. Before installing the tailpipe, take the rear hanger bracket which was removed earlier, rotate it 180° deg and loosely reinstall onto the rear body mount reusing the same nut and bolt. The bracket will now point to the right side of Defender. If this is unclear, please refer to the picture sheet (photo 2). Route the tailpipe into place and slip into the muffler. Again, it will help to lube the end of the tailpipe with a spray lube before sliding into the muffler. Now slide the rear rubber insulator onto the rear hanger and hanger bracket. Do not tighten the hanger bracket yet. Loosely fit the muffler/tailpipe clamp with the front rubber insulator. Next, tighten the muffler flange nuts and adjust the tailpipe. The tailpipe goes into the muffler 2-2.5". After the tailpipe is fitted, adjust and tighten the front hanger bracket and the clamp assembly. Now adjust the rear upper hanger bracket and tighten. PLEASE take care fitting and adjusting everything. Space is tight on the Defender so recheck everything one last time for tightness and clearance.

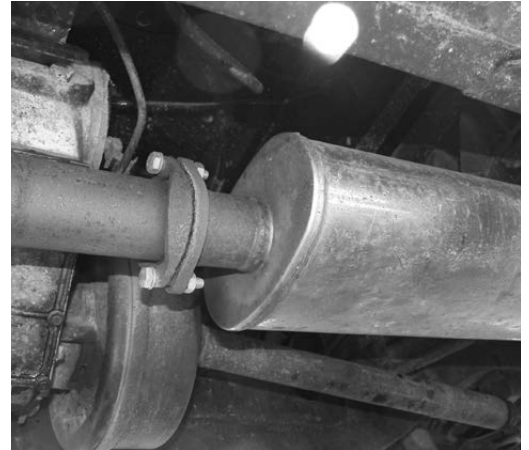


Your NRP exhaust carries a limited Lifetime warranty to the original purchaser.

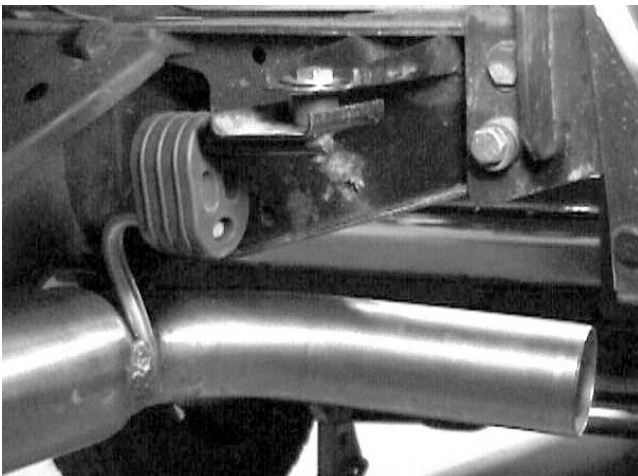


**Photo 1. Front Hanger**

Replace front OEM body hanger with body hanger supplied with exhaust. Front hanger is located behind the muffler. It clamps the rear section to the muffler and supports the exhaust using the OEM rubber hanger.



**Photo 1A. Loosely install the muffler to the Y-Pipe.**



**Photo 2. Rear Hanger**

**NOTE:** Rear body hanger is flipped 180 degrees toward the inside.

