

TOYOTA

4RUNNER V-6

2006 -

DUAL EXHAUST

Part Number: 00016 -89006

Accessory Code:DE1



Kit Contents

Item #	Quantity Req'd.	Description
1	1	Muffler assembly
2	1	Right tail pipe assembly
3	1	Left tail pipe assembly
4	1	Air filter
5	2	Rubber brackets
6	2	Hanger assemblies
7	1	Intermediate pipe
8	1	Over axle pipe
9	1	Rubber bracket

Hardware Bag Contents

Item #	Quantity Req'd.	Description
1	1	Bolt (not shown)
2	4	2.00" clamps
3		
4		
5		
6		
7		
8		
9		

Additional Items Required For Installation

Item #	Quantity Req'd.	Description

Conflicts

Note:

Recommended Tools

Safety Tools	
Special Tools	
Installation Tools	
Pry Bar	
3/8" Air Ratchet	
3/8" Torque Wrench	(32 & 35 ft. lbs)
13,14,15 mm Sockets	
Special Chemicals	Silicone Spray/WD40

Color Applicability/Trim Level

Accessory Color																			
Vehicle/Trim Color																			

General Applicability

2006 4Runner (V-6 Model Only)

Recommended Sequence of Application

Item #	Accessory	
1		
2		
3		

*Mandatory

Legend



STOP: Damage to the vehicle may occur. Do not proceed until process has been complied with.



OPERATOR SAFETY: Use caution to avoid risk of injury.



CAUTION: A process that must be carefully observed in order to reduce the risk of damage to the accessory/ vehicle and to ensure a quality installation.



TOOLS & EQUIPMENT: Used in Figures calls out the specific tools and equipment recommended for this process.



REVISION MARK: This mark highlights a change in installation with respect to previous issue.

SPECIAL NOTE: Installation Sequences

After TMS and Safety mandated preparatory steps have been taken, the installation sequence is the suggested method for completing the accessory installation. In some instances the suggested sequence is written for one associate to install and in others the sequence is given as part of a team accessory installation. Unless otherwise stated in the document, the associates may perform the installation steps in any order to make the installation as efficient as possible while maintaining consistent quality. Also some items listed to be removed may not need to be removed if caution is taken to not damage vehicle.

This performance exhaust system has been designed for the 2006 Toyota 4 Runner equipped with two or four- wheel drive a V-6 engine and automatic transmission.

Original Exhaust System Removal

1. Unbolt the flange shown in figure 1 behind the front muffler assembly.
2. Lubricate all hangers and rubber brackets. (Silicone Spray or WD40 can be used)
3. Remove hanger located on rear muffler/tail pipe assembly from the rubber bracket and then remove the rear muffler/tail pipe assembly from the vehicle as shown in figure 2.

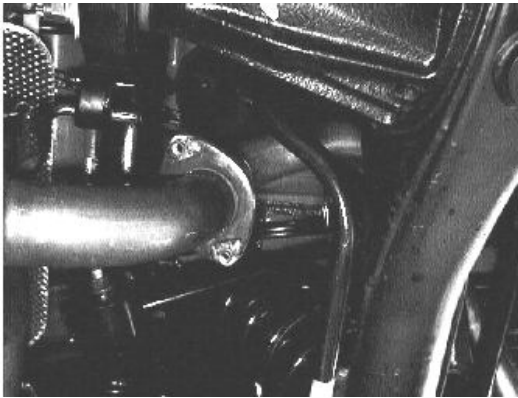


Figure 1



Figure 2

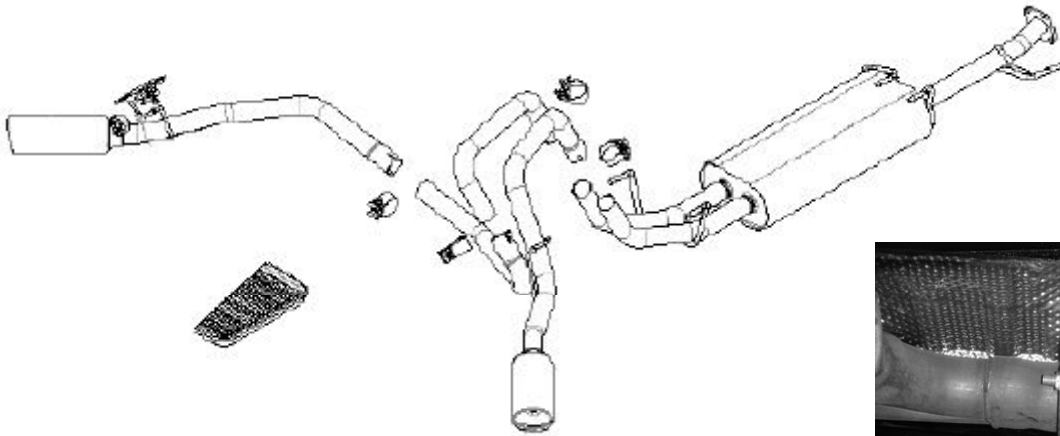
4. Unbolt the flange shown in figure 3 ahead of the front muffler assembly & retain OEM bolts & springs.
5. Using a muffler stand or an additional person to hold the front muffler assembly up in place, remove all hangers from the rubber brackets.
6. Finally, remove the old exhaust system from your vehicle as shown in figure 4.



Figure 3



Figure 4




Performance Exhaust System Installation



Warning: Use extreme caution during installation. Torque all fasteners according to manufacturer's torque values and tightening sequence. **DO NOT** use air impact tools to tighten fasteners on your new Performance Exhaust System. Use of such tools may result in bent flanges or gasket contact areas leading to exhaust leaks.



1. Place muffler assembly into position as shown in figure 5 installing the hangers into the rubber brackets. Secure the flange using the original hardware. Torque bolts to 32 ft. lbs. 
2. Using the hardware provided, install both left and right hanger assemblies on the vehicles frame rails just behind the rear tires as shown in figure 6. Install rubber brackets on both left and right hanger assemblies.

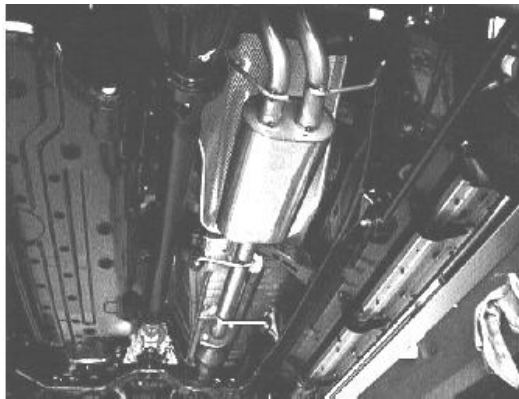


Figure 5



Figure 6







-  3. Place a clamp over the expanded end of the right tail pipe assembly and place into position as shown in figure 7 installing the hanger into the rubber bracket. DO NOT tighten clamp.
-  4. Place a clamp over the expanded end of left over axle pipe and place into position. DO NOT tighten clamp.
-  5. Place a clamp over the expanded end of left intermediate pipe and place into position. As shown in figure 8. DO NOT tighten clamp.
-  6. Place a clamp over the expanded end of left tail pipe assembly and place into position as shown also in figure 8 installing the hanger into the rubber bracket. DO NOT tighten clamp.



Figure 7



Figure 8

- 7. Check your exhaust system for proper clearance under the vehicle and also for tip alignment.
-  8. Once position has been determined to be correct, tighten the clamps to 35 ft. lbs. from front of vehicle to rear. 



FUNCTION CHECK

- 1. Before starting your vehicle, make sure to check all wires, hoses, brake lines, body parts and tires for safe clearance from the exhaust system.
- 2. Start vehicle and check for any leaks. If any leaks are found, determine cause (such as loose or incorrectly positioned clamp) and repair as necessary.

Note: When you first start your vehicle after the installation of your new Performance Exhaust System, there may be some smoke and fumes coming from the system. This is a protective oil based coating used in the manufacturing of mandrel bent performance exhaust tubing. This is not a problem and will disappear within a very short period of time after the exhaust has reached normal operating temperatures.