

Part Number: 00016-21110

Code: YE2



Section I – Installation Preparation

Kit Contents

Item #	Quantity Req'd.	Description
1	1	Muffler Assembly
2	1	Flared front pipe
3	1	2-bolt flange
4	1	Clamp
5	1	Air Filter
6	1	Information Sticker
7		
8		

Hardware Bag Contents

Item #	Quantity Req'd.	Description
1		
2		
3		
4		
5		
6		
7		
8		

Additional Items Required For Installation

Item #	Quantity Req'd.	Description

Conflicts

Note:

Recommended Tools

Safety Tools	
Safety Glasses	
Special Tools	
Hydraulic Lift	
Installation Tools	
Torque Wrench (32 ft. lbs.)	
15 mm Socket	
14 mm Socket	
Special Chemicals	
Silicone Spray	
Alcohol/Water Solution	

Color Applicability/Trim Level

Accessory Color	Vehicle/Trim Color																		

General Applicability

2005 Toyota Scion TC equipped with a 2.4L 4-cylinder engine with automatic or manual transmissions

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

CRITICAL PROCESS: Proceed with caution to ensure a quality installation. These points will be audited on a completed vehicle installation

TOOLS & EQUIPMENT: This calls out the specific tools and equipment required 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.

This performance exhaust system has been designed for the 2005 Toyota Scion TC equipped with a 2.4L 4-cylinder engine, and automatic or manual transmissions.

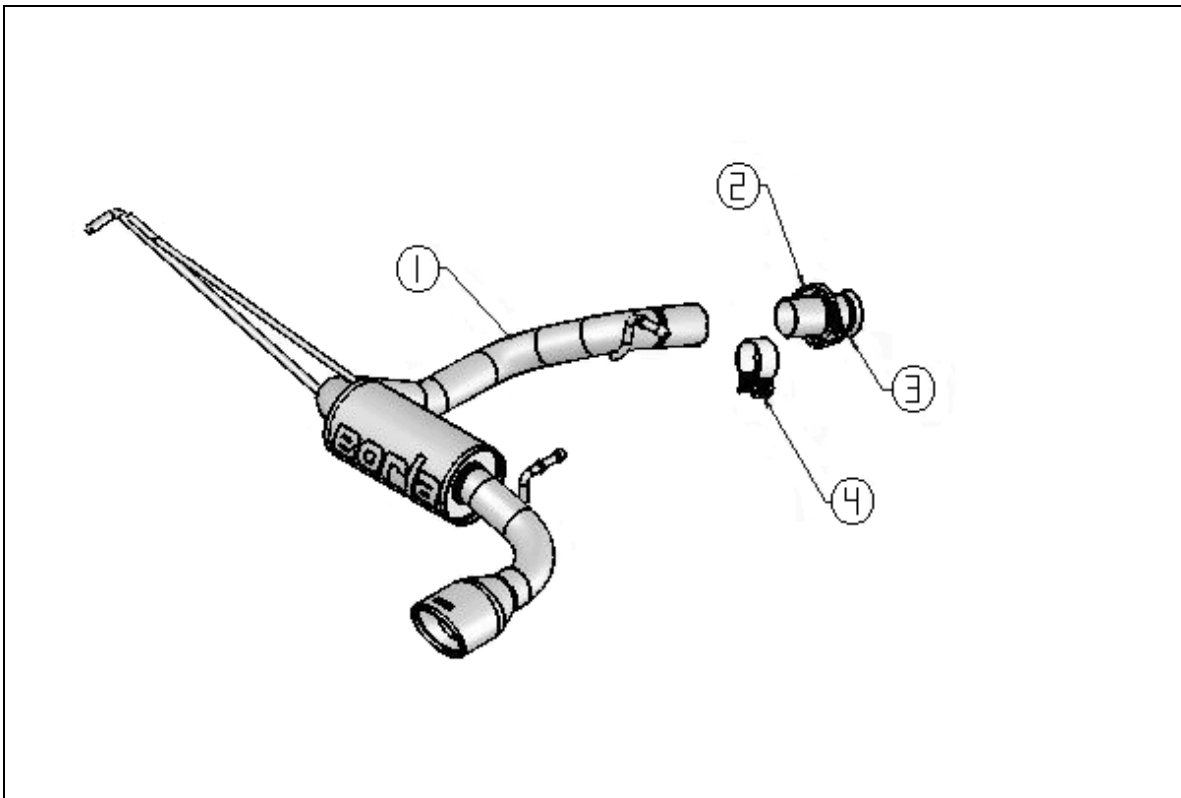


Caution!!! Never work on a hot exhaust system. Serious injury in the form of burns can result *If the vehicle has been in use and the exhaust system is hot, allow vehicle to cool for at least 1 hour. Always wear eye protection when working under any vehicle.*

Taking all under car safety precautions, lift the vehicle using a hoist or hydraulic lift. Once this has been done, you may begin the removal of your old exhaust system from your vehicle.

Note: *Before removing the original exhaust system from your vehicle, please compare the parts you have received with the materials list provided on the next page to assure that you have all the parts necessary for the installation of the new Performance Exhaust System.*

Performance Exhaust System Materials



Part number 00016-21110

1. Muffler Assembly
2. 2-bolt flange
3. Flared front pipe
4. Clamp

Original Exhaust System Removal

1. Unbolt the flange shown in figure 1 located in front muffler assembly. Place the hardware and gasket to the side for use during the installation of your new exhaust system.
2. Lubricate all hangers and rubber brackets with Silicone spray or similar product.
3. Using a muffler stand or an additional person to hold the rear muffler assembly up in place, remove all hangers from the rubber brackets.
4. Remove the muffler assembly from the vehicle as shown in figure 2.

Figure 1

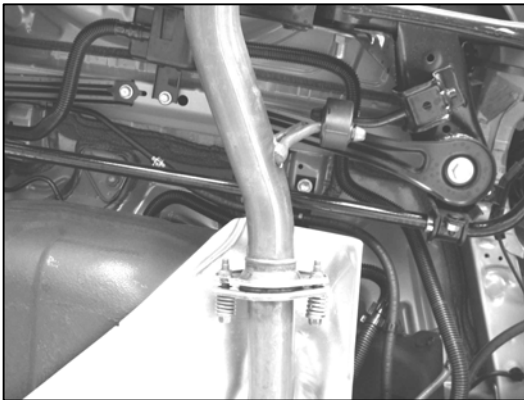


Figure 2



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 the 2-bolt flange over the flared pipe.
2. Place the flared pipe/flange assembly into position as shown in figure 3 using the original hardware and gasket and the nuts supplied with your system.
3. Place a clamp over the expanded end of muffler assembly and set it into position as shown in figure 4 making sure to install the hangers into the rubber brackets.

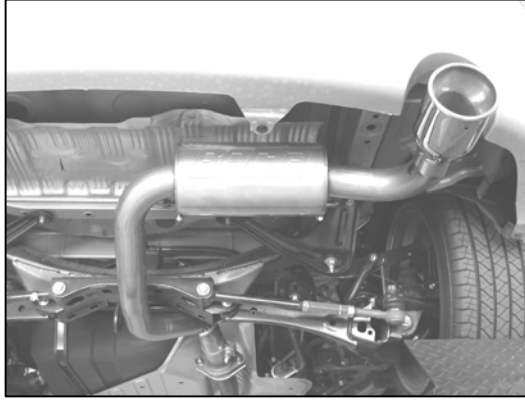


Figure 3

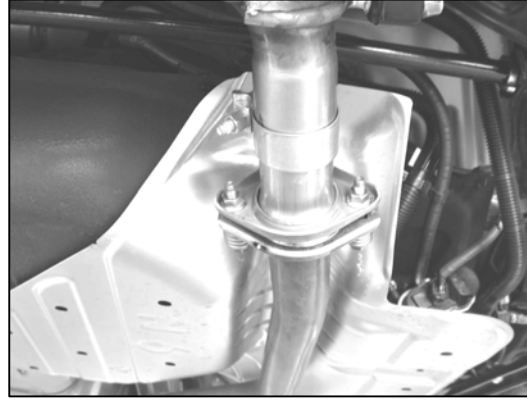




Figure 4

4. Check your exhaust system for proper clearance under the vehicle and also for tip alignment.
5. Once position has been determined to be correct, torque the clamp to **32 ft. lbs.** and the hardware  securing the flange to **32 ft. lbs.** 
6. Before starting your vehicle, make sure to check all wires, hoses, brake lines, body parts and tires for safe clearance from the exhaust system.
7. Start vehicle and check for any leaks. If any leaks are found, determine cause (such as loose hardware or incorrectly positioned gasket) 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.

Air Filter & Information Sticker

1. Remove OEM filter and replace with supplied filter.
2. Clean front of air breather with 50/50 alcohol water solution and adhere information sticker as shown in figure 5.



Figure 5

This completes the installation of the Performance Exhaust System.



Functional Verifications

Check:	Look for:
<input type="checkbox"/> Correct part has been installed.	Verify part number on package.
<input type="checkbox"/> All the joints have been securely fastened.	Verify joints are tightened and not leaking.
<input type="checkbox"/> Hooks have been securely reattached.	Verify hooks are securely attached.
<input type="checkbox"/> Tailpipe alignment.	Verify the tailpipe tip is lined up evenly.
<input type="checkbox"/> Inspection torque – clamps	32 ft. lbs.
<input type="checkbox"/> Information Sticker Placement	On breather box