

Part Number: PTR03-89200

NOTE: Part number of this accessory may not be the same as the part number shown.

Kit Contents

Item #	Quantity Req.	Description
1	1	Muffler Assembly
2	1	Tailpipe Assembly

Hardware Bag Contents (PTR03-03200-AA)

Item #	Quantity Req.	Description
3	1	Gasket, Center Pipe to Tail Pipe
4	3	Bolt M10 x 25mm
5	3	Nut M10

Additional Items Required for Installation

Item #	Quantity Req.	Description
1		

Conflicts

None

Recommended Tools

Personal & Vehicle Protection	Notes
Special Tools	Notes
Exhaust Hanger Removal Tool	e.g. Snap On P/N YA3202
Installation Tools	Notes
Sockets	14mm
Torque Wrench	Up to 35 lbf.ft (47 N.m)
Wrench	14mm
Special Chemicals	Notes
Lubricant	Soap & Water (If Required)
Cleaner	VDC Approved Cleaner

General Applicability

MY20 and newer 4Runner TRD Pro Models

Recommended Sequence of Application

Item #	Accessory
1	
2	
3	

*Mandatory

Vehicle Service Parts (may be required for reassembly)

Item #	Quantity Req.	Description
1	1	Exhaust Gasket Part No: 17451-31020 (Center Pipe to Front Pipe)
2	2	Bolt Part No: 90901-05020 (Center Pipe to Front Pipe)
3	2	Spring, Compression Part No: 90501-35035 (Center Pipe to Front Pipe)

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.



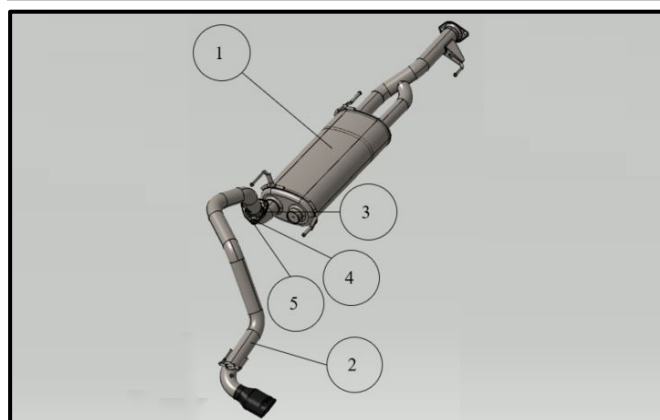
REVISION MARK: This mark highlights a change in installation with respect to previous issue.



SAFETY TORQUE: This mark indicates that torque is related to safety.



REGULATORY MARK: This mark indicates the component is related to regulatory compliance



Procedure

Care must be taken when installing this accessory to ensure damage does not occur to the vehicle. The installation of this accessory should follow approved guidelines to ensure a quality installation.

These guidelines can be found in the "Accessory Installation Practices" document.

This document covers such items as:-

- Vehicle Protection (use of covers and blankets, cleaning chemicals, etc.).
- Safety (eye protection, rechecking torque procedure, etc.).
- Vehicle Disassembly/Reassembly (panel removal, part storage, etc.).
- Electrical Component Disassembly/Reassembly (battery disconnection, connector removal, etc.).
- Please see your Toyota dealer for a copy of this document.

1. Check and Inspect the TRD Kit Content.

- (a) Make sure that the kit contains all the parts listed in the kit contents.



NOTE: Do not remove any plastic wrapping protection material from tip until it is installed.

2. Remove the Existing Exhaust System

CAUTION: Exhaust system may be hot.

- (a) Using the 14mm socket, remove the two bolts from the upper side of the tailpipe (Fig. 2-1).

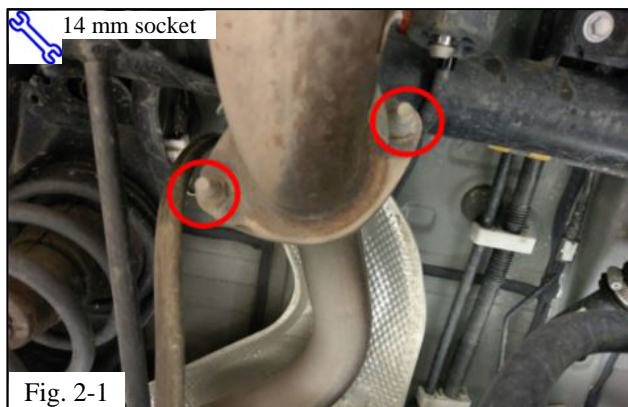
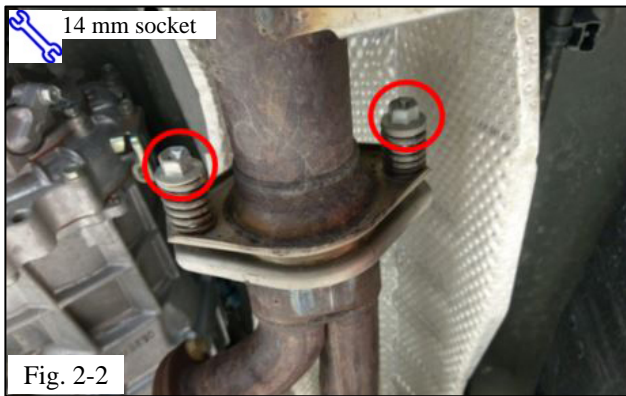


Fig. 2-1

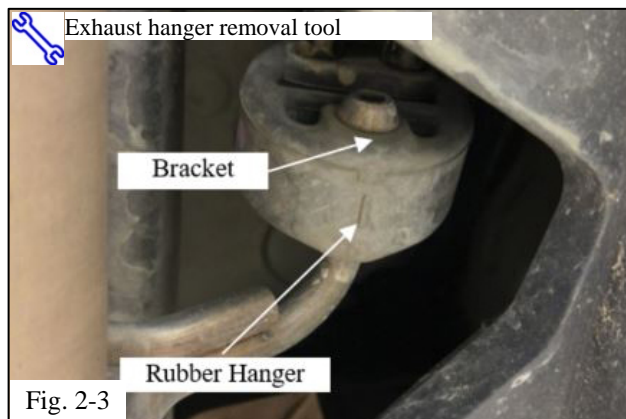


(b) Using the 14mm socket, remove the two bolts from the front pipe (Fig. 2-2).

(c) Keep all original hardware (OE) nuts, bolts, and springs.

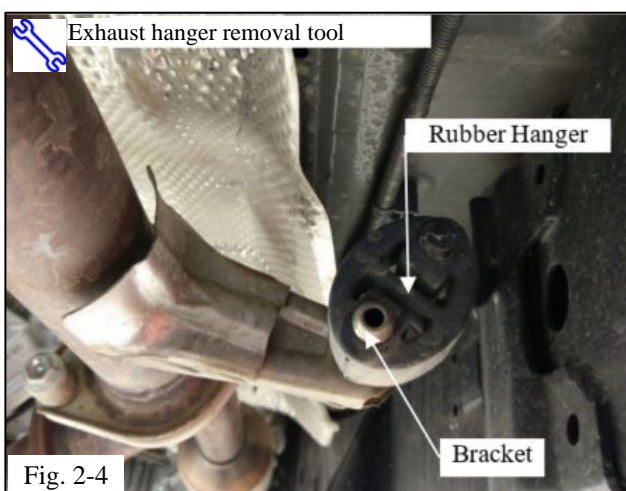
⚠ NOTE: The gasket should remain in place.

⚠ NOTE: For DIO installation, the exhaust gasket, bolts and nuts must be replaced – See cover page for P/N.

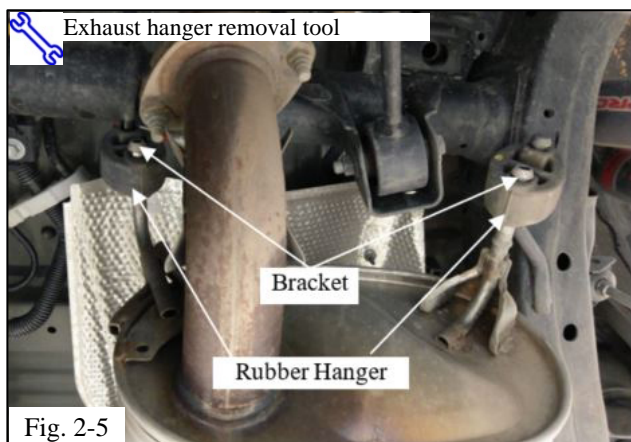


(d) Pry the tail pipe hanger bracket loose from the rubber hanger. Be sure to remove the bracket from the lower hole in the hanger, leaving the rubber hanger in place on the vehicle (Fig. 2-3). Remove the tail pipe from the vehicle.

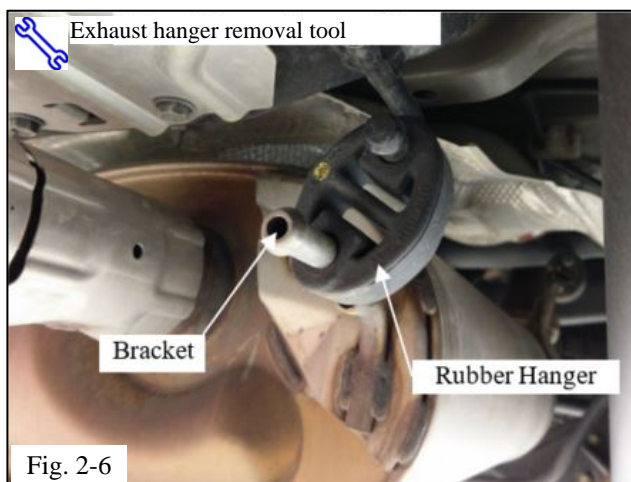
⚠ NOTE: Do not allow the exhaust outlet to contact the bumper when removing the tail pipe.



(e) Pry the forward most center pipe bracket loose from the rubber hanger. Be sure to remove the bracket from the lower hole in the hanger, leaving the rubber hanger in place on the vehicle (Fig. 2-4).



- (f) Support the muffler. Pry the forward muffler hanger bracket loose from the rubber hanger. Be sure to remove the bracket from the lower hole in the hanger, leaving the rubber hanger in place on the vehicle (Fig. 2-5).

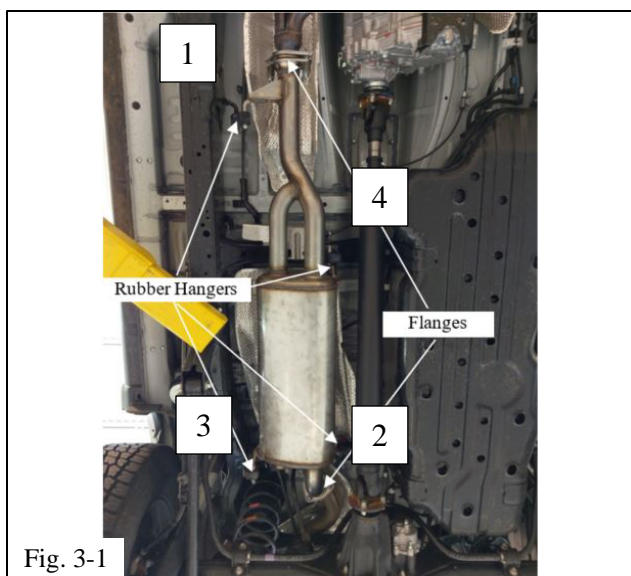


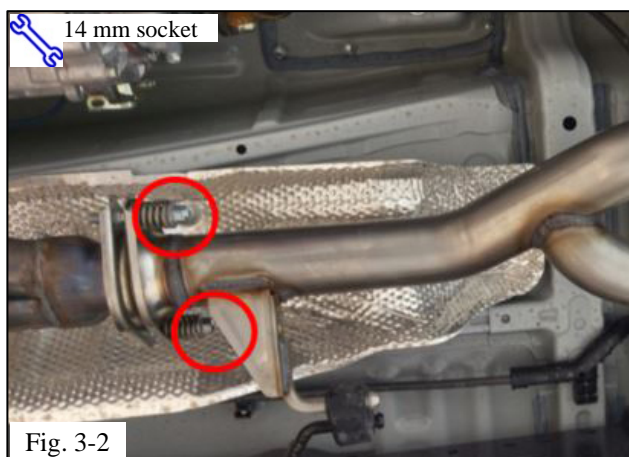
- (g) Support the muffler. Pry the rear center pipe hanger brackets loose from the rubber hangers. Be sure to remove the bracket from the lower hole in the hanger, leaving the rubber hanger in place on the vehicle (Fig. 2-6). Remove the center pipe from the vehicle.

3. Install the TRD Exhaust

- (a) Install the center pipe brackets into the rubber hangers in the order listed and align the flanges (Fig. 3-1).

NOTE: Install hangers in the order shown in (Fig. 3-1) to ensure center pipe stability during installation.

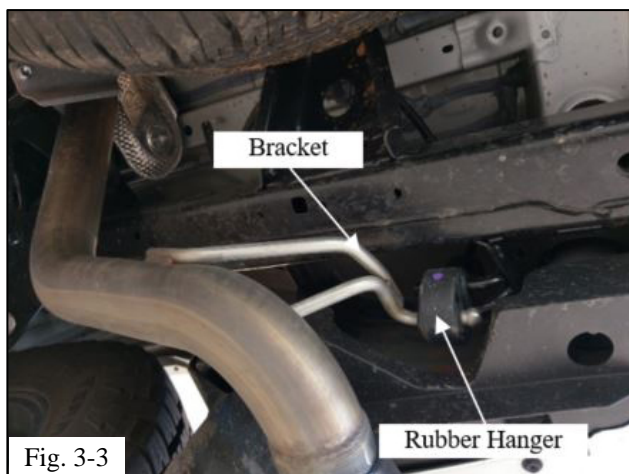




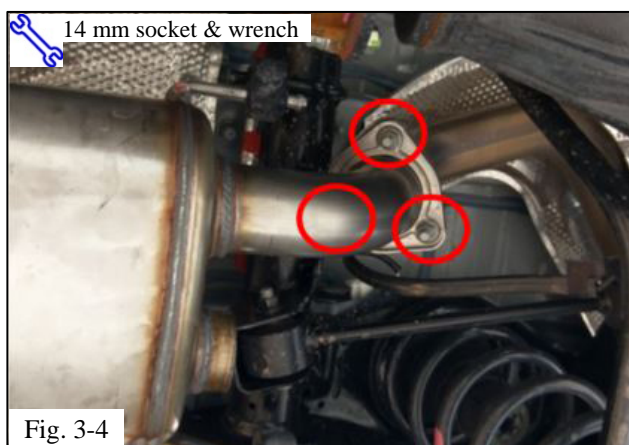
- (b) Ensure the OE gasket is positioned correctly and reinstall OE spring bolts by hand and tighten evenly to 43.0 Nm (32 lbf-ft) (Fig. 3-2).

Torque: 43.0 Nm (32 lbf-ft)

HINT: Push upwards on the inboard side of the muffler body to assist in starting bolts.



- (c) Route the tailpipe over the frame and rear axle from the rear of the vehicle. Install the tail pipe bracket into the rubber hanger (Fig. 3-3).



- (d) Install the gasket supplied with the TRD exhaust between the center pipe and tail pipe (Fig. 3-4).
- (e) Ensure the gasket is positioned correctly. Install the 3 supplied bolts from the tailpipe side; While holding the bolts with a wrench, tighten the supplied nuts to 48 Nm (35 lbf-ft) (Fig. 3-4).

Torque: 48.0 Nm (35 lbf-ft)

- (f) Remove the protective covering from the exhaust tip.




-  (g) Confirm the position of the tip so that there is a gap of 20mm to surrounding components. (Fig. 3-5).



Fig. 3-5

Checklist - these points **MUST** be checked to ensure a quality installation.

Check:	Look For:
<p><u>Accessory Function Checks</u></p> <ul style="list-style-type: none"> <input type="checkbox"/> All gaskets are in place. <input type="checkbox"/> All joints have been securely fastened. <input type="checkbox"/> Hooks/hangers have been securely reattached. <input type="checkbox"/> No damage present on exhaust tip. <input type="checkbox"/> Start the vehicle. 	<p>Confirm Front and Rear gasket installed.</p> <p>Verify joints are tightened.</p> <p>Verify hooks/hangers are securely attached.</p> <p>No scratches, dents, or damage to outside or lip of exhaust tip.</p> <p>Verify the flange joints do not have abnormal leak sound or water leak.</p>
<p><u>Vehicle Function Checks</u></p> <ul style="list-style-type: none">  <input type="checkbox"/> Inspection torque – all fasteners  <input type="checkbox"/> Inspection Clearance – exhaust tip to surrounding components 	<p>43 Nm +/- 6.2 Nm (32 lbf-ft +/- 4.3 lbf-ft)</p> <p>(2 Joints At Front Pipe)</p> <p>48 Nm +/- 6.2 Nm (35 lbf-ft +/- 4.3 lbf-ft)</p> <p>(3 Joints At Tailpipe)</p> <p>≥ 20mm on all sides</p>