Part Number: PTR03-18131
PTR03-18170

Kit Contents

Item #	Quantity Reqd.	Description
1	1	Midpipe, Cat-back
2	1	Muffler, Cat-back

Hardware Bag Contents

Item #	Quantity Reqd.	Description
1	1	Gasket Muffler to Mid Pipe
2	3	Bolt M10x25
3	3	Nut M10

Additional Items Required For Installation

Item #	Quantity Reqd.	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, 17mm
Torque Wrench	Up to 32 ft-lbf (43 N-m)
Wrench	12mm
Special Chemicals	**Notes**
Lubricant	Soap & Water (If Required)
Cleaner	VDC Approved Cleaner

General Applicability

All models

Recommended Sequence of Application

Item #	Accessory
1	
2	
3	

*Mandatory

Vehicle Service Parts (may be required for reassembly)

Item #	Quantity Reqd.	Description
1	1	Exhaust Gasket Part No: SU003-01112 Mid Pipe to CAT DIO Only
2		
3		

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.

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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 the Kit Contents.

(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 the tip until is it installed.

2. Remove the Existing Exhaust System.

(a) CAUTION – The exhaust system may be hot.

(b) Use a 14mm socket to remove the two bolts from the muffler flange (Fig. 2-1).

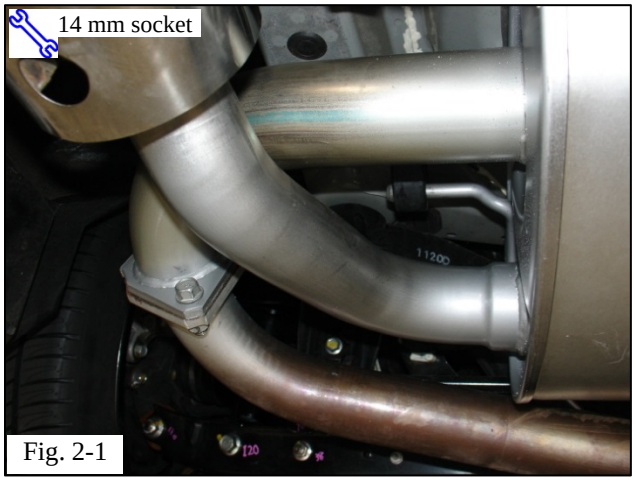


Fig. 2-1

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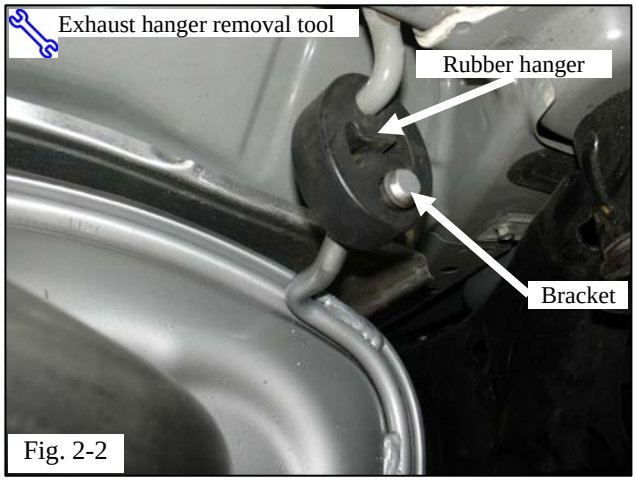


Fig. 2-2

(c) Pry the four muffler 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. 2-2). Remove the muffler from the vehicle.

NOTE: Lubrication (such as soap and water) on the rubber exhaust hangers can facilitate removal of the rubber hangers.

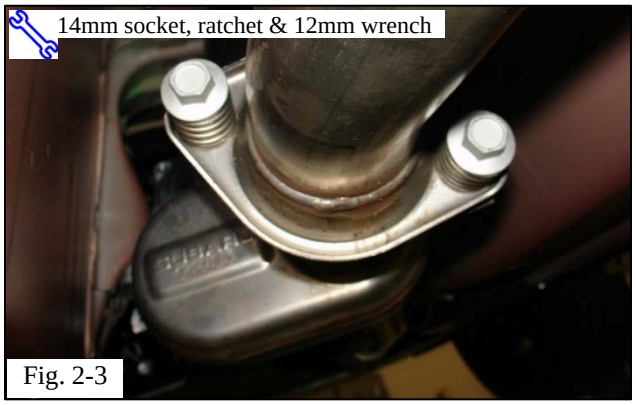


Fig. 2-3

(d) Use a 14mm socket and a 12mm wrench to remove the 2 nuts, bolts and springs from the front flange (Fig. 2-3).

(e) Keep all original hardware (OE nuts, bolts, and springs). The gasket should remain in place.

NOTE: For DIO installations, the exhaust gasket must be replaced – P/N SU003-01112.

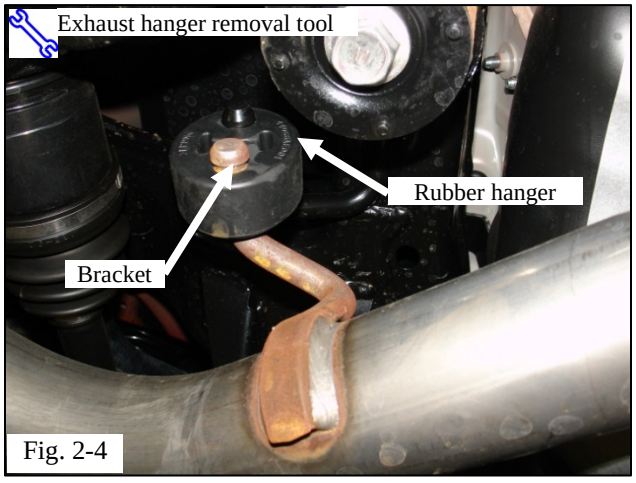


Fig. 2-4

(f) Pry the midpipe hanger bracket 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. 2-4). Remove the midpipe from the vehicle.

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3. Install the TRD Sport Muffler.

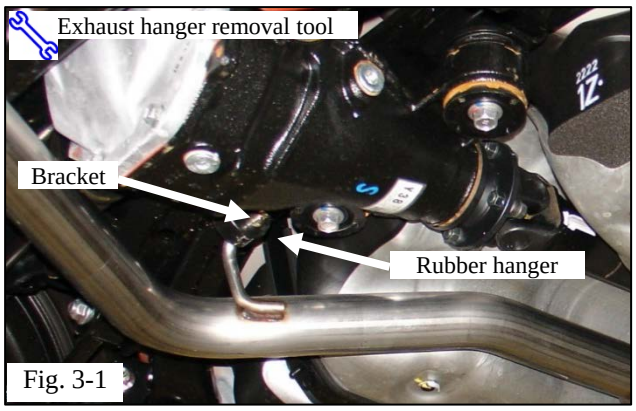


Fig. 3-1

(a) Install the midpipe bracket into the rubber hanger in the rear sub frame (Fig. 3-1).



Fig. 3-2

(b) Reinstall the two spring bolts to mate the front flanges together and tighten to 13 N-m (10 ft-lbf) (Fig. 3-2).

Torque: 13 N-m (10 ft-lbf)


Fig. 3-3

(c) Install the gasket over the tube protruding from the rear midpipe flange (Fig. 3-3).

(d) Install the four muffler brackets into the hangers; align the muffler flange over the midpipe flange.



Fig. 3-4

(e) Install the three bolts into the flange from the muffler and secure it with the three nuts (Fig. 3-4). Do not fully tighten them at this time.

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Fig. 3-5

(f) Confirm the alignment of the tip to ensure the gap from the top of the tip to the fascia is 25 +/- 5 mm (Fig. 3-5).

(g) Tighten the bolts to 43 N-m (32 ft-lbf).

Torque: 43 N-m (32 ft-lbf)

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

Check:	Look For:
Accessory Function Checks	
☐ All joints have been securely fastened.	Verify joints are tightened.
☐ Hooks/hangers have been securely reattached.	Verify hooks/hangers are securely attached.
☐ Start the vehicle	Verify the flange joints do not have abnormal leak sound or water leak.
Vehicle Function Checks	
☐ Inspection torques – front flanges	13 N-m (10 ft-lbf)
Outlet flange to TRD muffler inlet pipe	43 N-m (32 ft-lbf)
Vehicle Appearance Check	
☐ After accessory installation and removal of protective cover(s), perform a visual inspection.	Ensure no damage (including scuffs and scratches) was caused during the installation process. (For PPO installations, refer to TMS Accessory Quality Shipping Standard.)

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