

**Part Number: PTR03-53140 (Exhaust)  
PTR54-24150 (Diffuser)**

**Kit Contents**

Item #	Quantity Req'd.	Description
1	1	Exhaust (PTR03-53140)
2	1	Diffuser (PTR54-24150)
3		

**Hardware Bag Contents**

Item #	Quantity Req'd.	Description
1		
2		
3		

**Additional Items Required For Installation**

Item #	Quantity Req'd.	Description
1		
2		
3		

**Conflicts**

RC-F
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**Recommended Tools**

<b>Personal &amp; Vehicle Protection</b>	<b>Notes</b>
<b>Special Tools</b>	<b>Notes</b>
Exhaust Hanger Removal Tool	Snap On P/N YA3202 or equivalent
Interchangeable Head for Pre-Set Torque Wrench	14mm Box End CDI Part#: QJXM14 www.cditorque.com
Pre-Set Torque Wrench	"J" Size Shank, Up to 50 lbf-ft (67.7 N-m)
<b>Installation Tools</b>	<b>Notes</b>
Wrench	14 mm
Socket/Swivel Socket	10 mm/14 mm
Screw Driver	Phillips and Flat head
Pry Tool	
Measuring Tape	
<b>Special Chemicals</b>	<b>Notes</b>
Lubricant	Soap & Water (If Required)
Cleaner	VDC Approved Cleaner

**General Applicability**

RC 350
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**Recommended Sequence of Application**







Item #	Accessory
1	
2	
3	

\*Mandatory

**Vehicle Service Parts** (may be required for reassembly)

Item #	Quantity Req'd.	Description
1	1	Exhaust Gasket Part No: 17451-0D132 - DIO ONLY
2		
3		

**Legend**

	<b>STOP:</b> Damage to the vehicle may occur. Do not proceed until process has been complied with.
	<b>OPERATOR SAFETY:</b> Use caution to avoid risk of injury.
	<b>CAUTION:</b> 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.
	<b>TOOLS &amp; EQUIPMENT:</b> Used in Figures calls out the specific tools and equipment recommended for this process.
	<b>REVISION MARK:</b> This mark highlights a change in installation with respect to previous issue.
	<b>SAFETY TORQUE:</b> This mark indicates that torque is related to safety.

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 Lexus dealer for a copy of this document.

**1. Prepare for the Install.**

-  (a) Make sure that the kit contains all of the parts.

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

- (b) Apply protection tape to the body and taillights along the bumper fascia mating line (Fig. 1-1). Also add tape to the bumper fascia below the taillight.

- (c) Place the vehicle on a lift.



- (d) Use the switch on the dashboard to open the trunk (Fig. 1-2).



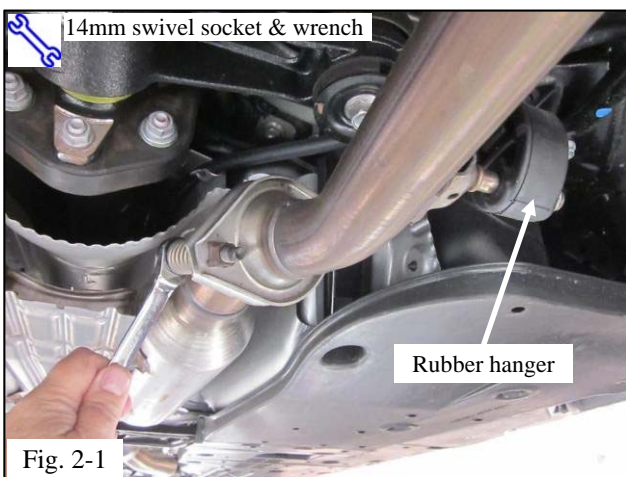


(e) Use a small flat non-sharp blade to remove the two covers over the bolts along the trunk opening (Fig. 1-3). Retain the covers.



(f) Remove and retain the two 10mm bolts (Fig. 1-4).

(g) Raise the vehicle.



## 2. Remove the OE Muffler Assemblies.

**+** **CAUTION:** The exhaust system may be hot.

(a) Remove the two spring bolts from the flanges behind the catalytic converters (Fig. 2-1).

**!** **NOTE:** The upper bolts on both flanges require a swivel socket to be removed.

**!** **NOTE:** When loosening the flange bolts, loosen each one gradually to prevent binding.



(b) Remove the exhaust system from the hangers.

(1) Pry the three hanger brackets loose from the rubber hangers, two on each muffler (Fig. 2-2) and one near the flange (Fig. 2-1).

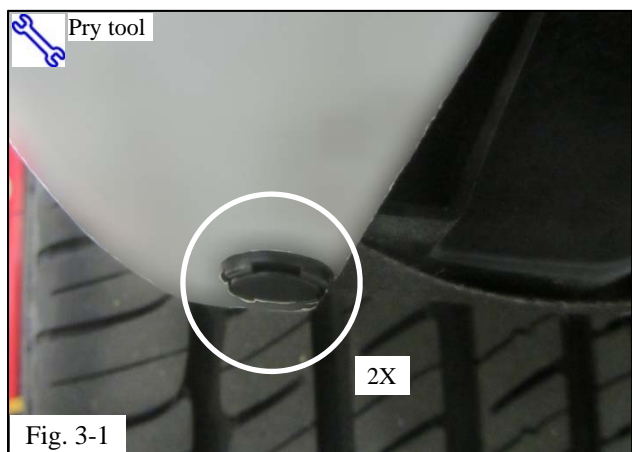
(2) Be sure to remove the bracket from the lower hole in the rubber hangers, leaving the rubber hanger in place on the vehicle.

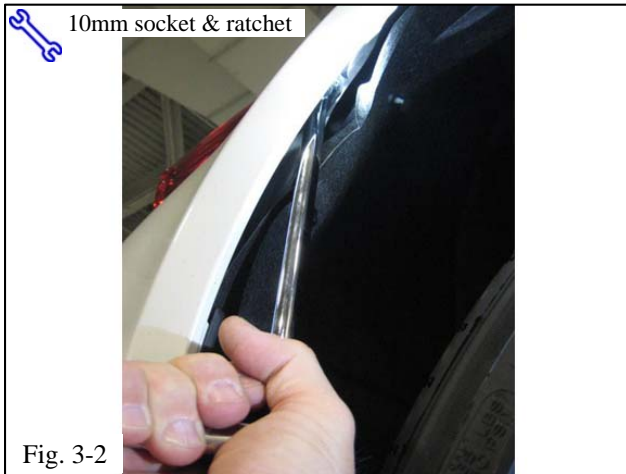
**⚠ NOTE:** Lubrication (such as soap and water) on the rubber exhaust hangers can facilitate the removal.

(c) Repeat Steps 2(b) and 2(c) to remove the muffler from the other side.

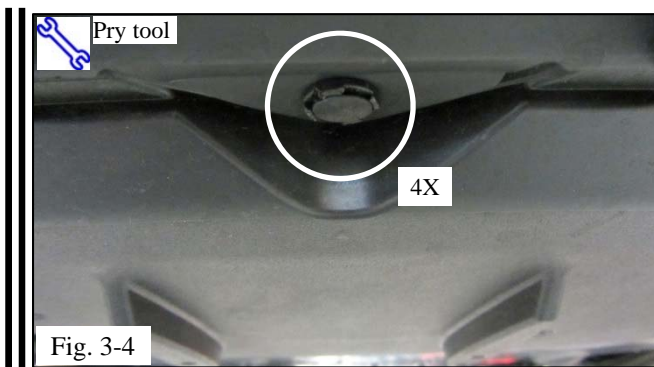
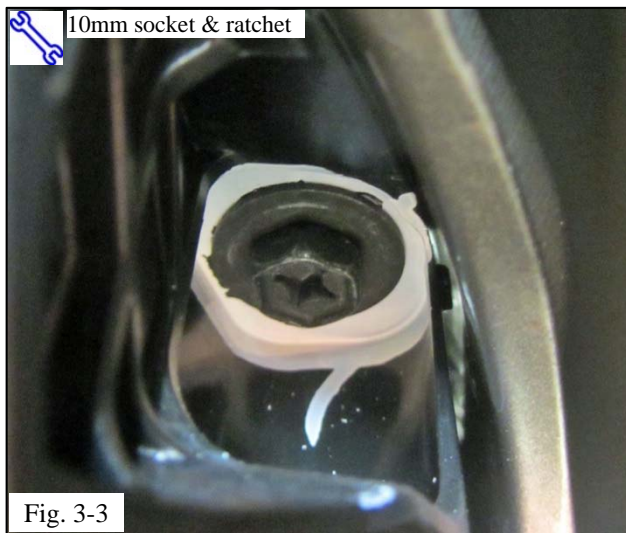
### 3. Remove the Bumper Fascia Assembly.

(a) Remove and retain the two clips behind each wheel well (Fig. 3-1).





(b) Pull back the inner wheel well liner and remove the upper retainer bolt (Fig. 3-2 & Fig. 3-3). Repeat for the other side.



(c) Remove and retain the four lower center bumper fascia push pins (Fig. 3-4).

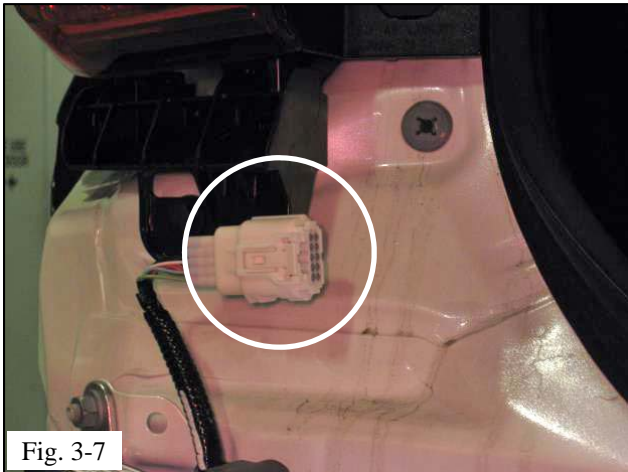




(d) Detach the bumper fascia from the vehicle by pulling from the wheel well on each side. (Fig. 3-5).



(e) Working from side to side, detach the bumper fascia completely (Fig. 3-6).



(f) If equipped, disconnect the Intuitive Parking Assist Sensor (Fig. 3-7).

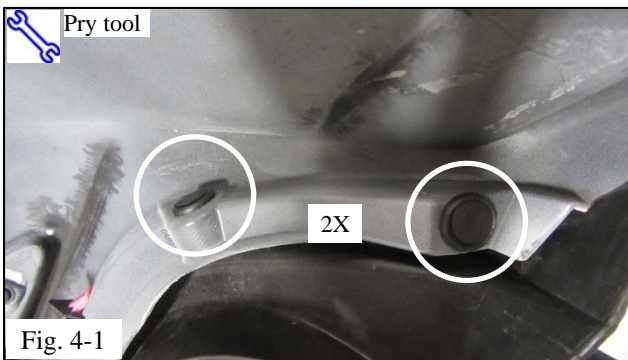


- (g) Remove the loom from the six retainer clips (Fig. 3-8).

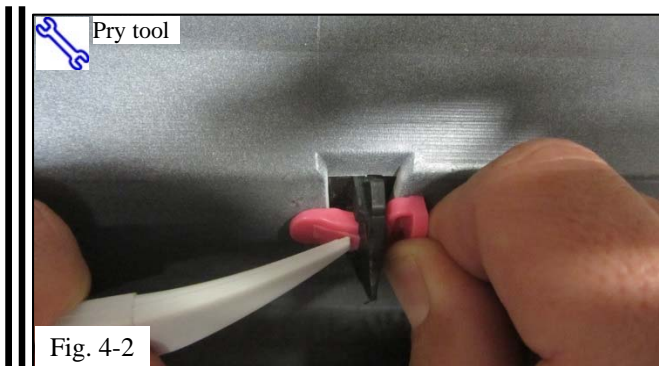


- (h) Place the bumper fascia on a protective surface (Fig. 3-9).

**4. Remove the Rear Bumper Fascia Center Extension Sub-Assembly.**

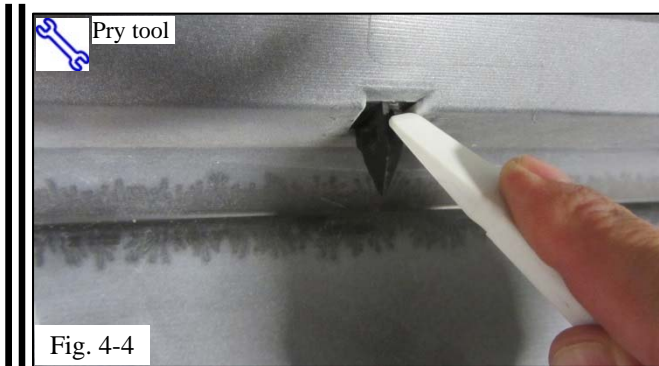


- (a) Remove and retain the four push pins at both ends of the bumper fascia (Fig. 4-1).



(b) Disengage the eight pink guides (Fig. 4-2).

**⚠ NOTE:** Make note of the direction of the guides for reinstallation (Fig. 4-3). Arrows on the bumper fascia indicate the insertion direction of the clips.



(c) Press in the tabs to disengage the rear bumper fascia center extension sub-assembly from the bumper fascia (Fig. 4-4).

(d) Recycle the rear bumper fascia center extension sub-assembly properly.

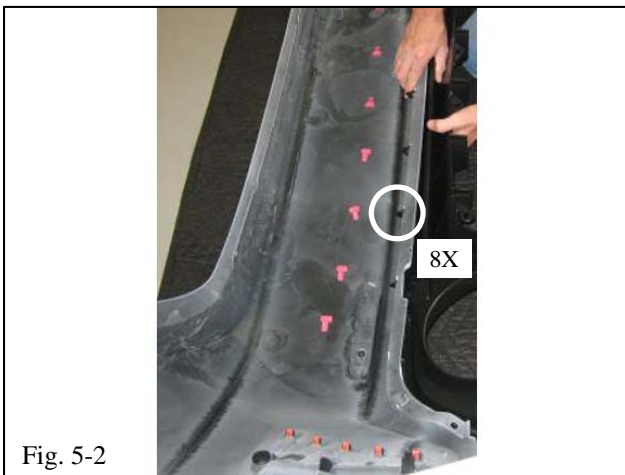


5. Install the Diffuser.

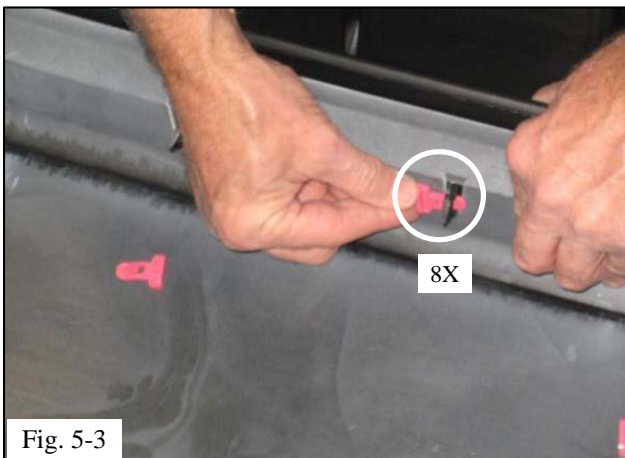
- (a) Lay the bumper fascia on its back. Orient the diffuser to the bumper fascia (Fig. 5-1).



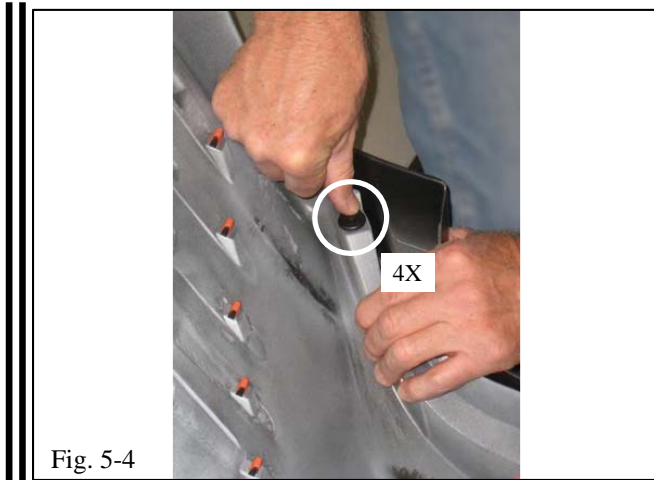
- (b) Slide the eight fingers of the diffuser into the slots on the bumper fascia until the tabs engage (Fig. 5-2).



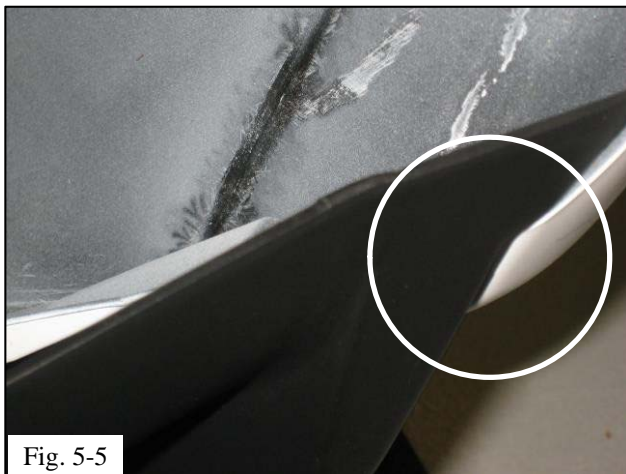
- (c) Install the eight pink guides through the fingers until they fully engage (Fig. 5-3).



**⚠ NOTE:** Orient the direction of the guide as noted during removal or the clips will not fully engage.



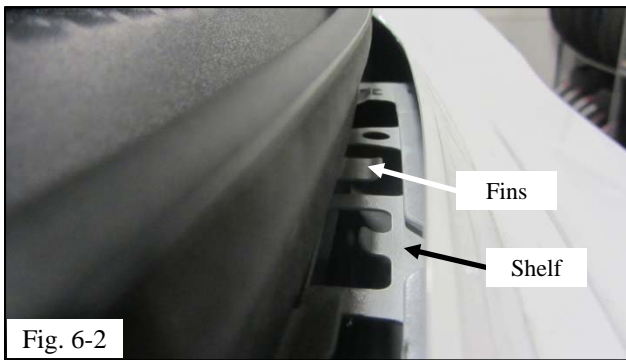
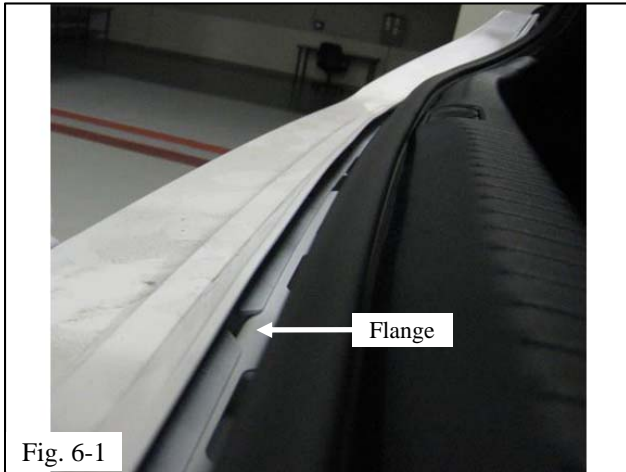
(d) Install the four push pins (Fig. 5-4).



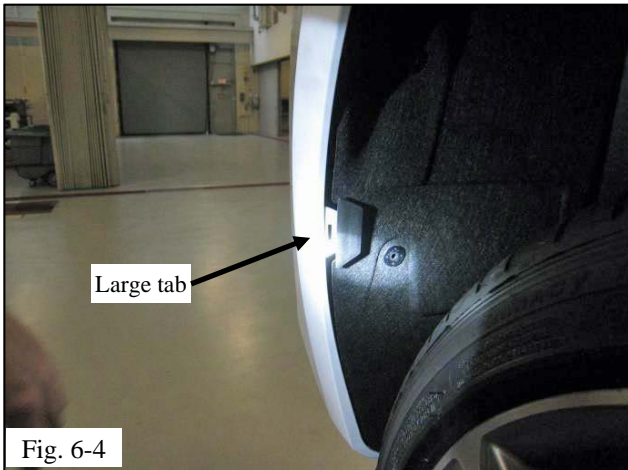
(e) Ensure that the corners of the diffuser are inside the bumper fascia (Fig. 5-5).

**6. Reinstall the Bumper Fascia Assembly.**

- (a) Place the bumper fascia so that the upper flange sits above the vehicle shelf, but under the fins (Fig. 6-1 & Fig. 6-2).



- (b) Push the center of the bumper fascia until the small tabs engage (Fig. 6-3).
- (c) Align the bumper fascia to the taillights and push until the small tabs engage.



- (d) Align the large tab on the bumper fascia with the receptacle inside the wheel well (Fig. 6-4).



- (e) Align the bumper fascia at the wheel wells and push until the small tabs engage (Fig. 6-5).



- (f) Ensure that the wheel well lining is inside the edge of the bumper fascia (Fig. 6-6).

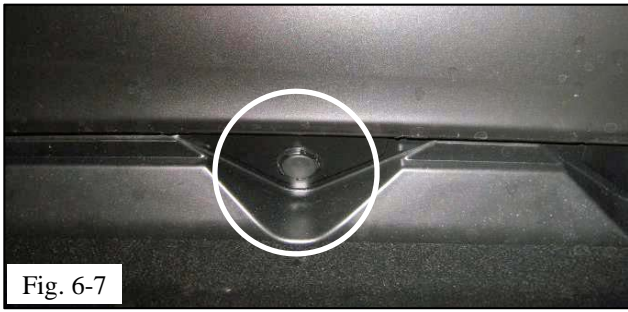


Fig. 6-7

(g) Insert the four lower center bumper fascia push pins (Fig. 6-7).

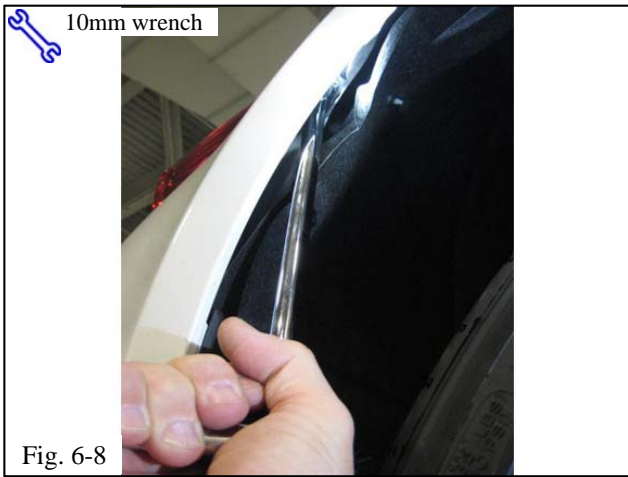


Fig. 6-8

(h) Pull back the inner wheel well liner and install the two upper retainer bolts (Fig. 6-8).

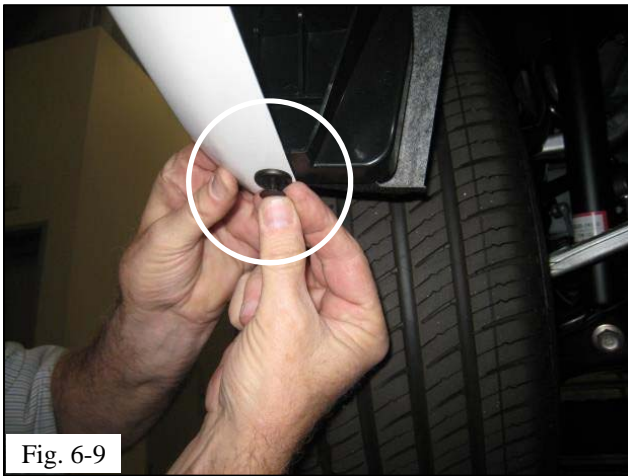


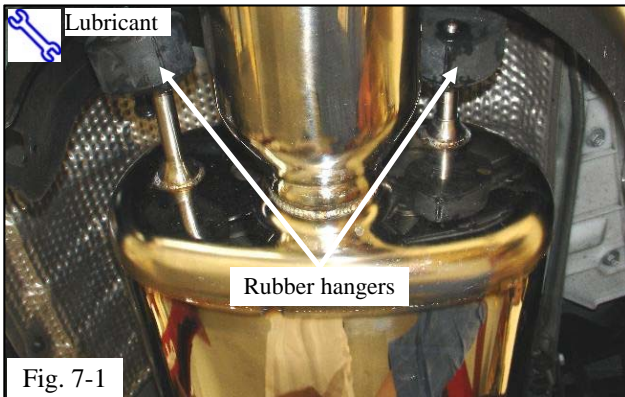
Fig. 6-9

(i) Insert the two the two clips behind each wheel well (Fig. 6-9).

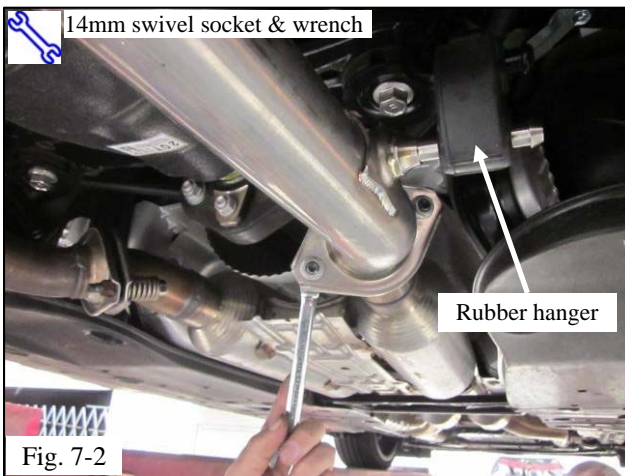


### 7. Install the TRD Sport Muffler.

(a) Insert the TRD Sport Muffler hanger brackets into the rear rubber hangers (Fig. 7-1).



(b) Insert the third hanger by the flange into the rubber hanger (Fig. 7-2).

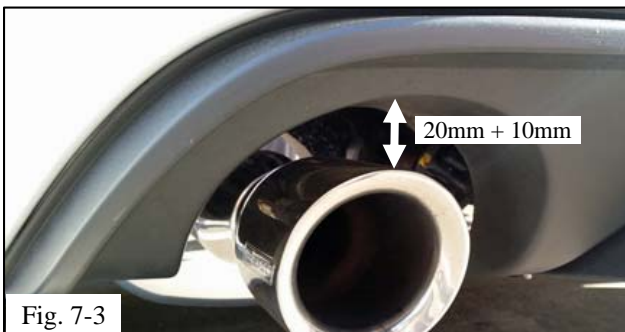


(c) Install the exhaust gasket and then reinstall the two spring bolts to mate the catalytic converter and muffler flange together but *do not fully tighten them at this time* (Fig. 7-2).

(d) Repeat Steps 8(a) through 8(c) for the second muffler.

(e) Remove the protective wrap from the exhaust tips and the tape protecting the body.

**!** (f) Confirm the alignment of the tip for a gap from the top of the tip to the fascia of 20mm + 10mm (Fig 7-3).

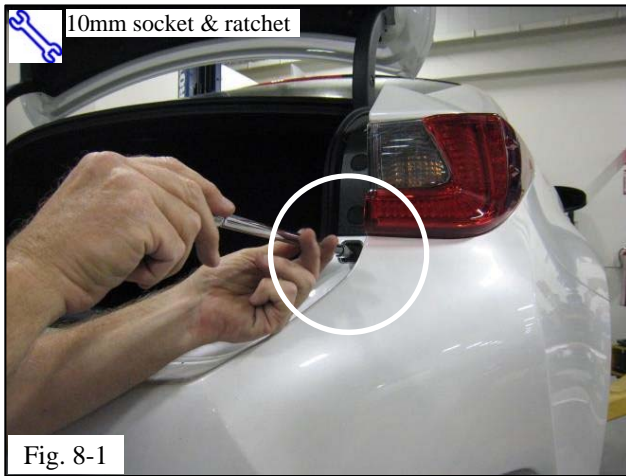


**!** (g) Tighten all four flange bolts to 43 N·m (32 ft·lbf).

**Torque: 43 N·m (32 ft·lbf).**

**!** **NOTE:** The upper fasteners require the use of an interchangeable head torque wrench (Fig 7-4).





**8. Finish the installation.**

- (a) Install the two bolts at the trunk opening (Fig. 8-1).



- (b) Replace the covers over the bolts (Fig. 8-2).

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

<u>Check:</u>	<u>Look For:</u>
<p><u>Accessory Function Checks</u></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Diffuser clips</li> <li><input type="checkbox"/> Bumper fascia fasteners</li> <li><input type="checkbox"/> Exhaust joints</li> <li><input type="checkbox"/> Exhaust hooks/hangers</li> </ul>	<ul style="list-style-type: none"> <li>Ensure all the clips are fully engaged</li> <li>Ensure all fasteners are tightened</li> <li>Ensure all joints are securely fastened</li> <li>Ensure the hooks/hangers have been securely reattached</li> </ul>
<p><u>Vehicle Function Checks</u></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Park Assist Sensor (if equipped)</li> <li><input type="checkbox"/> Exhaust tips</li> <li><input type="checkbox"/> Bolt covers</li> <li><input type="checkbox"/> Muffler flanges</li> </ul>	<ul style="list-style-type: none"> <li>Verify that the sensor is connected</li> <li>Verify the tips are in center of the opening</li> <li>Verify the covers are reinstalled</li> <li>43 Nm +/- 8.5 Nm (32 lbf-ft +/- 6.0 lbf-ft)</li> </ul>
<p><u>Vehicle Appearance Check</u></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> After accessory installation and removal of protective cover(s), perform a visual inspection.</li> <li><input type="checkbox"/> Clean all polished surfaces.</li> </ul>	<ul style="list-style-type: none"> <li>Ensure no damage (including scuffs and scratches) was caused during the installation process. (For PPO installations, refer to TMS Accessory Quality Shipping Standard.)</li> <li>Ensure no finger prints, oil or grease is left on the visible surfaces prior to starting the vehicle.</li> </ul>