

Part Number: PTR08-30090

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

Kit Contents

Item #	Quantity Reqd.	Description
1	1	Muffler, Right Side
2	1	Muffler, Left Side
3	1	Mid-Pipe

Vehicle Service Parts (may be required for reassembly)

Item #	Quantity Reqd.	Description
1		
2		
3		

Hardware Bag Contents

Item #	Quantity Reqd.	Description
1	2	O-Ring Gasket
2	4	M10 Bolt
3	4	M10 Lock Nut
4	2	Rubber Exhaust Hanger

Additional Items Required For Installation

Item #	Quantity Reqd.	Description
1		

Conflicts

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Recommended Tools

Personal & Vehicle Protection	Notes
None	
Special Tools	Notes
Exhaust Hanger Removal Pliers	e.g. Snap On P/N YA3202
Installation Tools	Notes
Ratchet	
Sockets	14mm & 10mm
Socket Extension	3 inch
Box Wrench	14mm
Torque Wrench	5-75 lbf-ft (6.8-101.7 N-m)
Special Chemicals	Notes
Lubricant	Soap and Water







General Applicability

2009 – LEXUS GS 350 – ALL GRADES

Recommended Sequence of Application

Item #	Accessory
1	
2	

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, concerning items such as: seat belts, seats, wheels, and air bags.

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. Remove Existing Exhaust System.



- (a) CAUTION – Exhaust system may be hot.
 - (b) Remove the two bolts and springs from the flange. Fig. 1-1.
 - (c) Keep all original equipment (OE): bolts, springs and gasket.
 - (d) Remove small plastic aero panel by removing two M6 nuts using 10mm socket with extension. Fig. 1-2
 - (e) Use exhaust hanger removal tool to remove the six exhaust brackets loose from the rubber hangers. Fig. 1-3.
 - (1) Be sure to remove the bracket from the lower hole, leaving the rubber hanger in place on the vehicle
- NOTE: Lubrication (such as soap and water) on the rubber exchange hangers can facilitate removal of the rubber hangers.
- (f) Remove the muffler assembly.
 - (g) Remove and discard the two OE rubber hangers positioned on the inside rear of each muffler assembly. Replace with the two supplied Rubber Exhaust Hangers in the kit.

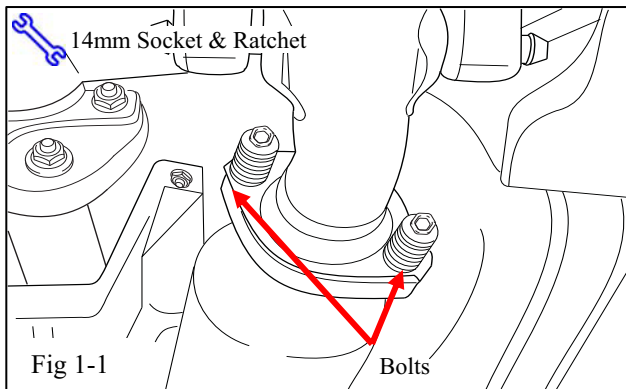


Fig 1-1

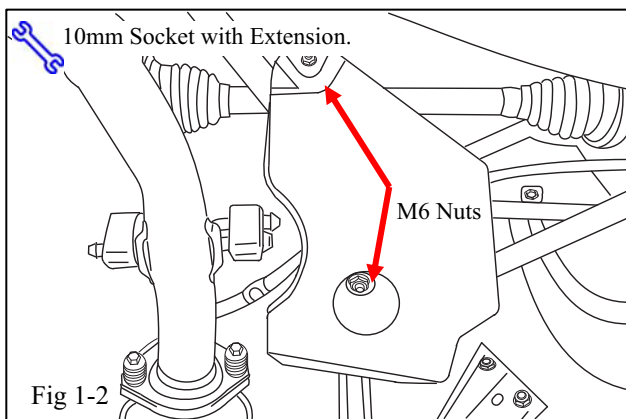


Fig 1-2

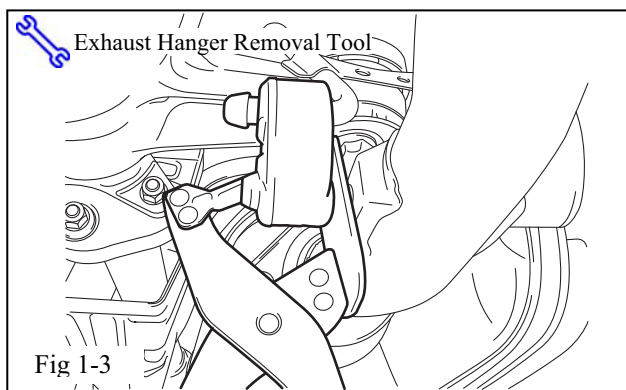
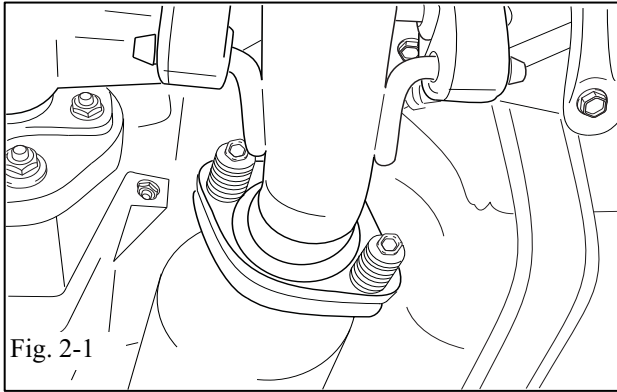


Fig 1-3



2. Installation of the F-Sport Exhaust

- (a) Install mid-pipe forward hangers into the rubber hangers.
- (b) Install two (2) OE springs and bolts evenly for proper alignment. (Fig. 2-1)

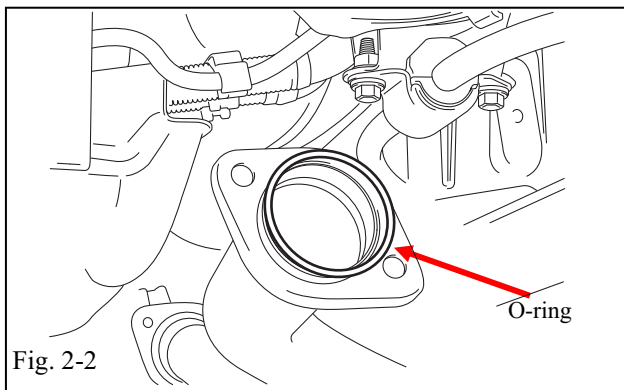


- (1) Be sure that the shoulder of the bolts is correctly seated onto the flange of the Sport Muffler for proper alignment of the mating flanges.

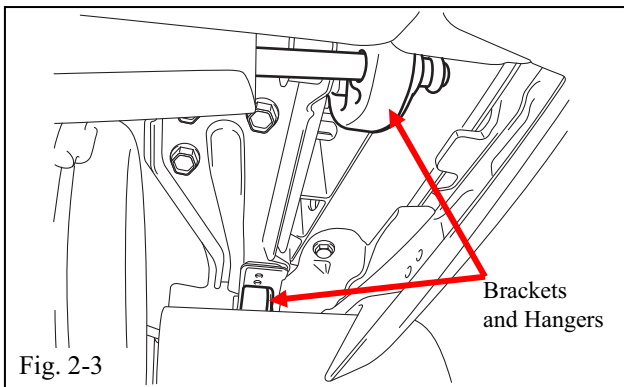
- (c) Tighten the two bolts to 32 lbf-ft (43 N-m).

- (d) Install the o-ring gaskets onto both of the mid-pipe flanged ends. (Fig 2-2)

- (1) One o-ring per side



- (e) Install the rear brackets of right-side muffler into the rubber hangers. (Fig 2.3)



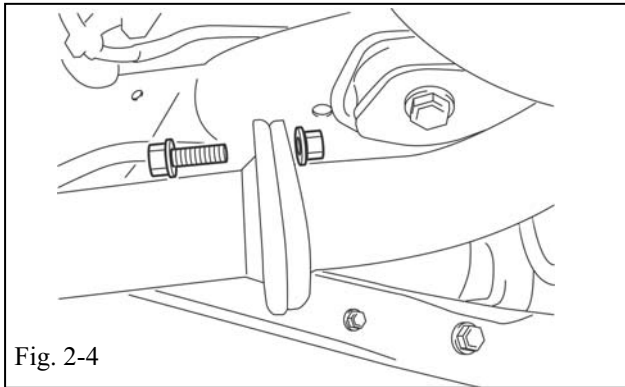


Fig. 2-4

(f) Install two sets of M10 bolts and nuts to mate the flanges together and loosely tighten.

(1) Hardware to flange mounting sequence as follows: bolt ► flange / flange ► nut.

(Fig. 2-4)

(g) Install the rear hangers of the left-side muffler into the rubber hangers.

(h) Install two sets of M10 bolts and nuts to mate the flanges together and loosely tighten.

(1) Hardware to flange mounting sequence as follows: bolt ► flange / flange ► nut.

(Fig. 2-4)

(i) Snug up the bolts

(j) Remove plastic wrapping from tip



(k) Visually check the exhaust tips are centered and left and right tips are aligned.

(Figs. 2-5 & 2-6)

(l) **If left and right tips are not aligned:** with the M10 bolts loosely tightened, adjust the mufflers so that the bottom-side angle of both left and right mufflers are even (when viewed from both sides of the vehicle).

(m) Visually check once more that the exhaust tips are centered and left and right tips are aligned.

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

(o) Reinstall the small plastic aero panel from step 1(d).

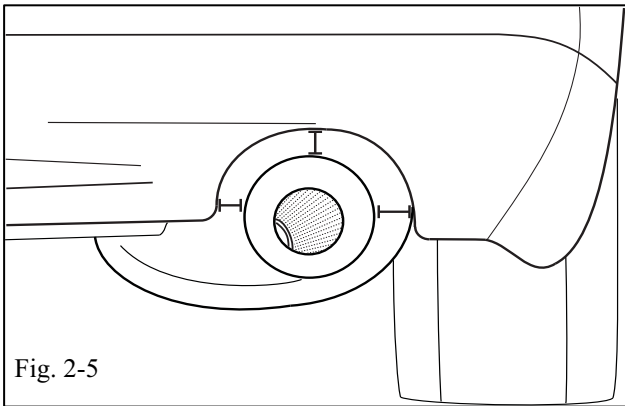


Fig. 2-5

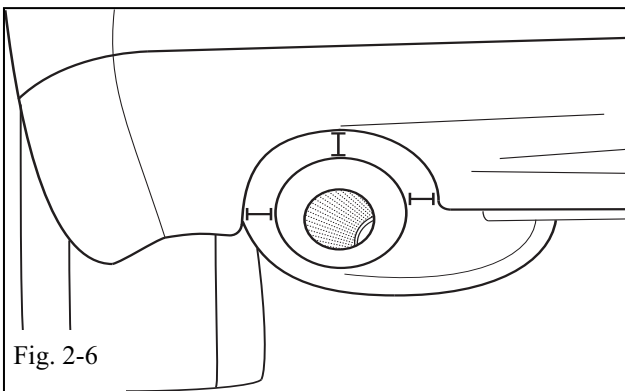



Fig. 2-6

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

Check:

Mating joint flanges have been securely fastened.

 Brackets have been securely reattached.

Tailpipe alignment

Leak

Look For:

Verify joint is properly seated and bolts torqued.

Two spring-loaded bolts are torqued to 32 +/- 3 lbf-ft (43 +/- 4 N-m)

Four M10 bolts are torqued to 32 +/- 3 lbf-ft (43 +/- 4 N-m)

Verify brackets are securely attached.

Verify tailpipe tips are centered and aligned:

Start engine and listen for exhaust leaks.