

Part Number: PTR11-74110

Kit Contents:

Item #	Quantity Req'd.	Description
1	1	TRD Rear Sway Bar
2	1	Hardware Kit

Hardware Kit Contents

Item #	Quantity Req'd.	Description
1	1	Left – Sway Bar End Link with (2) M10 nuts
2	1	Right – Sway Bar End Link with (2) M10 nuts
3	2	Front Bushings
4	2	Rear Bushings
5	2	Rear Bushing Bracket (2 pcs)
6	1	Hardware Bag (4 – M8-1.25x 25 bolts, 4 – M8-1.25 lock nuts, 8-washers)
7	2	4cc Synthetic Grease
8	2	Machined Washers
9	2	Cup Washers
10	1	Instructions

Additional Items Required For Installation

Item #	Quantity Req'd.	Description

Conflicts

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Recommended Tools

Personal & Vehicle Protection	Notes
Vehicle Protection	Seat/Floor Covers
Safety Glasses	
Special Tools	Notes
Installation Tools	Notes
½” Impact Gun	For parts removal only
Torque Wrench	5 - 100 lbf-ft (0 - 135 N·m)
Socket/Ratchet	13, 15, 17mm Socket (17mm deep and regular)
Wrenches	13mm
Special Chemicals	Notes

General Applicability

ALL Scion iQ Vehicles

Recommended Sequence of Application







Item #	Accessory
1	Install RSB at the same time as lowering springs
2	

* Mandatory

Vehicle Service Parts (may be required for reassembly)

Item #	Quantity Req'd.	Description
1		

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.

Checklist. These points MUST be checked to ensure a quality installation.

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.).

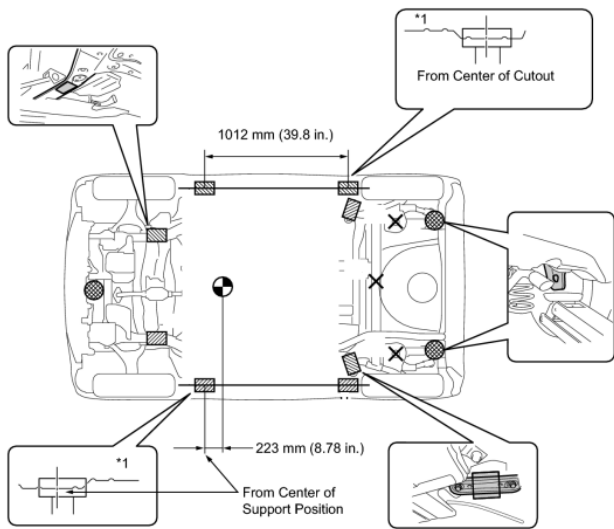
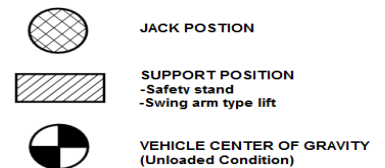


Fig. 1-1

1. Pre-installation Preparation

- Use Seat & Floor Protectors to avoid damage to surfaces.
- Put transmission in "P" (Automatic) or reverse (Manual).
- Turn ignition key to on then off and leave key in ignition. This will unlock the steering wheel.
- Lift vehicle using a two post lift or jack. Use the lift points recommended in the owner's manual. (Fig. 1-1)



2. Attach end links to beam

- Locate hole just forward of the rear shock. Make sure hole is free and clear of any obstruction or weld spatter that will interfere with the machined washer. (Fig. 2-1)

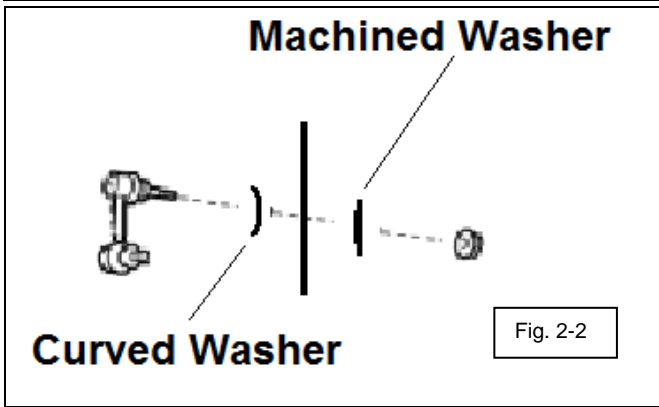


Fig. 2-1



NOTE: Links are handed, left and right. Remove colored protective plastic boot covers before installation.

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



(b) Place cupped washer on the end link with the curve facing the link as shown. (Fig. 2-2)



(c) Place machined washer with the step into the large hole on the rear beam. (fig. 2-3)



(d) Attach the end link, install the nut and tighten. (Fig. 2-4)

Torque: 44 N·m (449 kgf·cm, 32 ft·lbf)



NOTE: If the ball joint turns together with the nut, use a 5mm hexagon wrench to hold the stud until the nut is tight, then use torque wrench. (Fig. 2-5)

Checklist. These points MUST be checked to ensure a quality installation.

3. Install Rear Bar (RSB)

(a) Install bushings and apply grease.

(1) Apply supplied grease all the way across the round bore of the bushings. (Fig. 3-1).



Fig. 3-1

(2) Bushings should be installed between the welded locating rings. (Fig. 3-2)

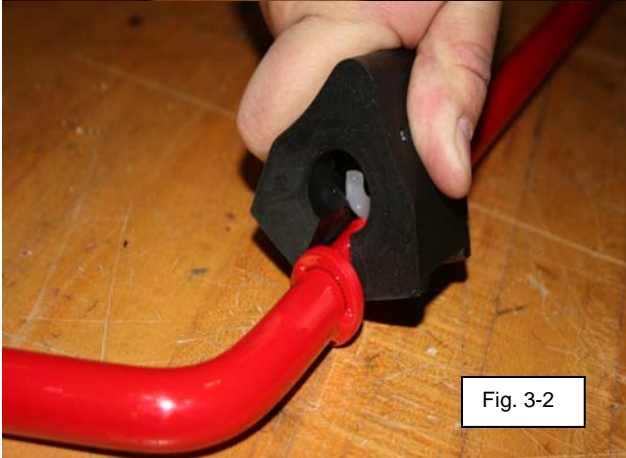


Fig. 3-2

(3) Rotate bushings to evenly distribute grease in bore.

(b) Place bar over the exhaust and attach end of bar to left end link first and then right side end link. (Fig. 3-3)

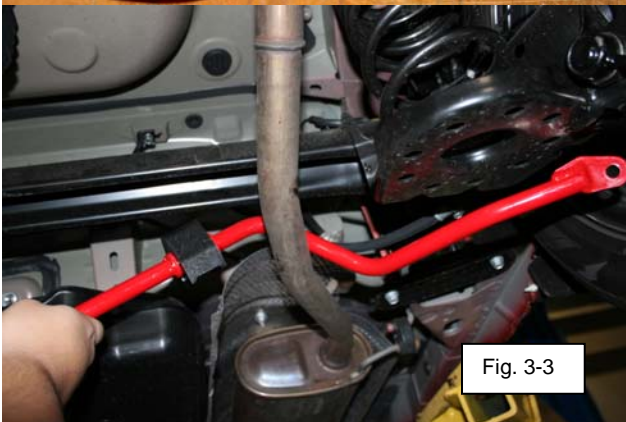


Fig. 3-3

1. Place rag on exhaust pipe to protect sway bar paint.

Torque: 44 N·m (449 kgf·cm, 32 ft·lbf)

NOTE: If the ball joint turns together with the nut, use a 5 mm hexagon wrench to hold the stud.

Checklist. These points MUST be checked to ensure a quality installation.



Fig. 3-4

(c) Place upper bushing clamps onto rear beam axle as shown.

- (1) Outer edge of clamp will rest 130mm from the upper edge of the lower spring seat bracket. (Fig. 3-4)

CAUTION: Exhaust heat shield has a very sharp edge.

(d) Swing sway bar up to the beam axle and locate the bar so that it is centered in the beam axle. Then press bar and bushings up into beam axle.

(e) Fasten lower portion of clamp to the upper portion of clamp as shown. (Fig. 3-5)

- (1) Orient bolts as shown.
- (2) Tighten the horizontal bolt first then the vertical bolt second.

NOTE: Bracket must be oriented as shown in figure 3-5.

Torque: 31 N·m (300 kgf·cm, 24 ft·lbf)

HINT: Using the inner lips of the rear wheels as reference the sway bar should sit centered under the vehicle. End links must be as close to vertical as possible after final torque.

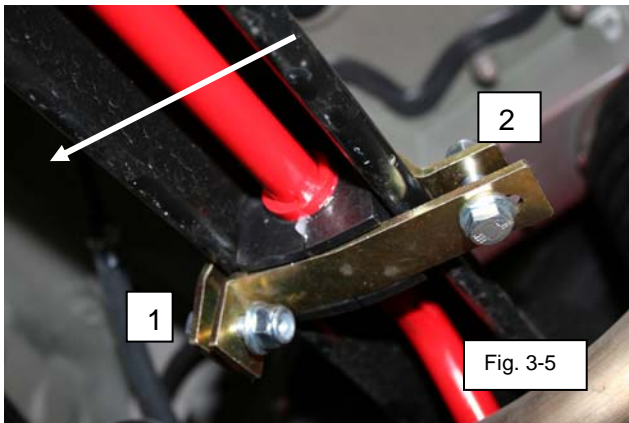


Fig. 3-5

Checklist. These points MUST be checked to ensure a quality installation.

4. Install new front bushings

- (a) Remove front wheels.
- (b) Remove the 3 plastic clips from the inner front wheel well. (Fig. 4-1). Repeat process on the right side.

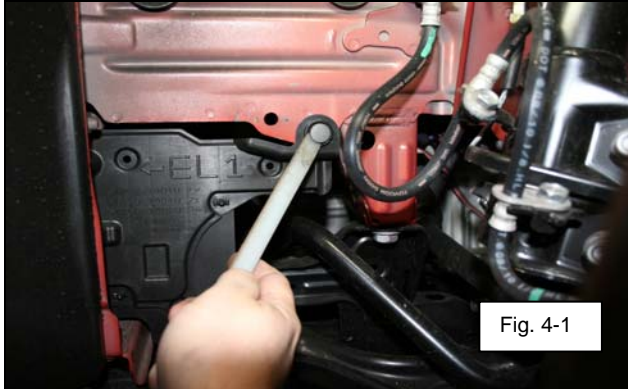


Fig. 4-1

- (c) Remove the bolts from the front sway bar bushing bracket. (Fig. 4-2). See arrows.
- (d) Remove bushings both sides.

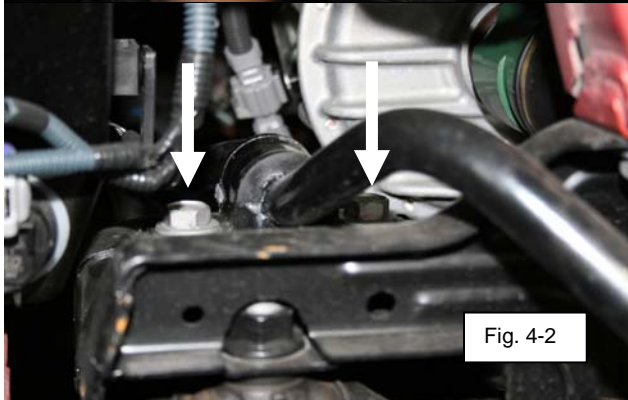


Fig. 4-2

- (e) Apply supplied grease to round bore of the bushings (Fig. 4-3). Install onto sway bar with opening facing the front of the vehicle. Rotate bushings to evenly distribute grease in bore.
- (f) Reinstall bushing brackets and bolts.

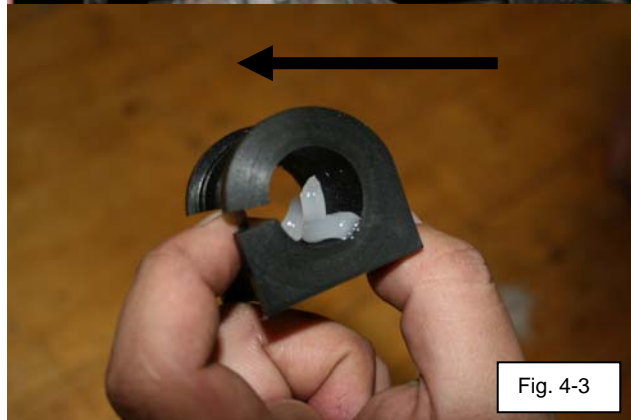


Fig. 4-3

- (f) Reinstall 3 plastic clips from inner wheel well on left and right side.
- (g) Install front wheel assemblies.

Torque: 47 N•m (479 kgf•cm, 35 ft•lbf)

Torque: 103 N•m (1050 kgf•cm, 76ft•lbf)

Checklist. These points MUST be checked to ensure a quality installation.

CHECK FOR:

Accessory Function Checks

Fastening Bolts Torque

LOOK FOR:

Endlinks – Torque: 44 N·m (449 kgf·cm, 32 ft·lbf)

Rear bushing bracket bolts - Torque: 31 N·m (300 kgf·cm, 24 ft·lbf)

Front bushing bracket bolts - Torque: 47 N·m (479 kgf·cm, 35 ft·lbf)

Vehicle Function Checks

There should be no noise from front or rear suspension.