

Part Number: PTR02-52080

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

Kit Contents

Item #	Quantity Reqd.	Description
1	1	TRD Front Strut Brace
2	1	Hardware Kit
3		

Hardware Bag Contents

Item #	Quantity Reqd.	Description
1	4	Nylon locking nuts
2	4	Washers
3	1	Spiral wire loom protector

Recommended Tools

Personal & Vehicle Protection	Notes
Seat/Floor Covers	
Fender Covers	
Safety Glasses	
Special Tools	Notes
Edge Trim	Windshield protection
Installation Tools	Notes
Torque Wrench	10-75 ft. lbf 3/8 drive
Torque Wrench	30-200 in. lbf. 1/4 drive
Socket/Ratchet	10, 14, 17mm Sockets
Nylon Pry-tool	...or tape edge of small screwdriver
Special Chemicals	Notes

Recommended Sequence of Application

Item #	Accessory
1	TRD Lowering Springs
2	TRD Front Strut Brace
3	

Vehicle Services Parts (may be required for reassembly)

Item #	Quantity Reqd.	Description
1		
2		
3		

Conflicts

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General Applicability

SCION xB: All models

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.

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:

1. Vehicle Protection (use of covers and blankets, cleaning chemicals, etc.).
2. Safety (eye protection, rechecking torque procedure, etc.).
3. Vehicle Disassembly/Reassembly (panel removal, part storage, etc.).
4. Electrical Component Disassembly/Reassembly (battery disconnection, connector removal, etc.).

1. Pre-installation Preparation



- (a) Use seat, floor, and fender covers/blankets to avoid damage to surfaces.



- (b) Firmly apply parking brake.



- (c) Put transmission in "P" (automatic) or reverse (Manual).

2. Remove Cowl

- (a) Raise hood.

- (b) Remove wiper arms.

- (1) Remove wiper arm head caps with nylon pry tool or pull off with fingers.(Fig.2-1)

- (a) Make sure surface of caps are not marred while off of the vehicle.

- (2) Remove nuts and pull wiper arms off of wiper drive studs (x2) (14mm).

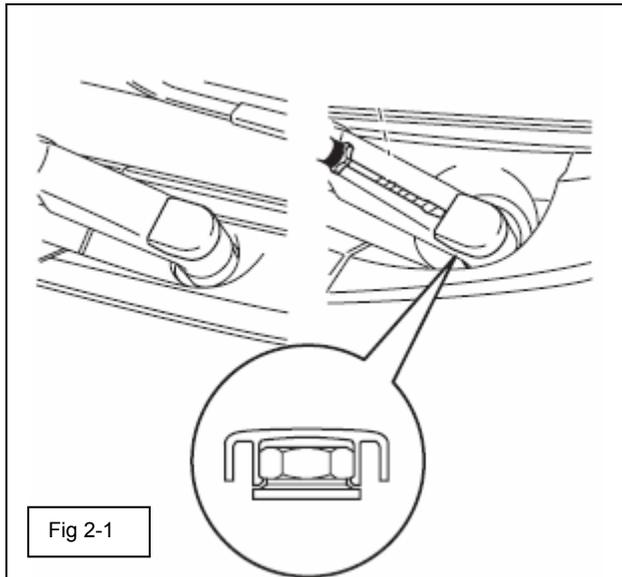


Fig 2-1

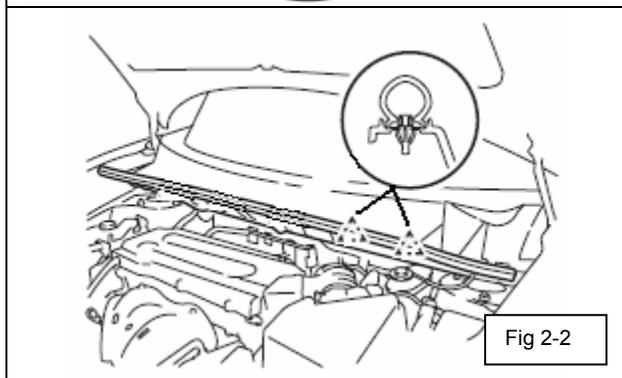
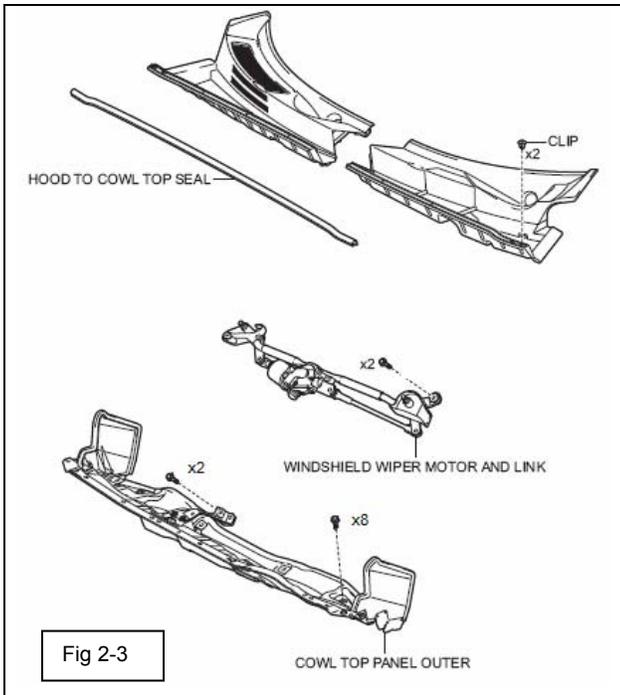


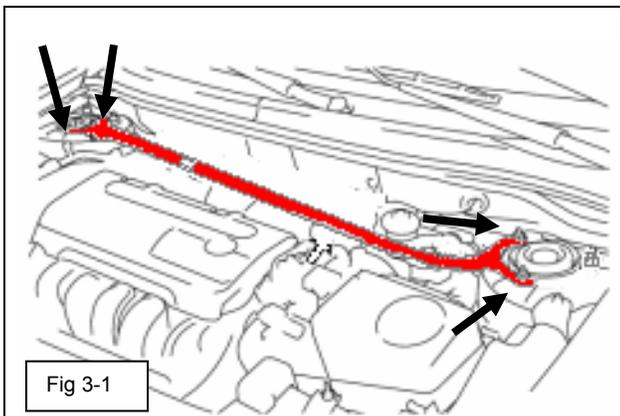
Fig 2-2



- (c) Remove hood to cowl top seal from driver's side cowl cover. (Fig.2-2)



- (d) Remove cowl covers. (Fig. 2-3)
 - (1) Do not force clips on front edge of covers.
- (e) Place glass protection on lower edge of windshield. 
- (f) Remove wiper link / motor assy.
 - (1) Disconnect wire terminal.
 - (2) Remove screws (x2) (10mm).
- (g) Remove cowl pan.
 - (1) Remove wire harness from plastic fastener using a small screw driver.
 - (2) Remove screws (x10) (10mm).



3. Install TRD Front Strut Brace

- (a) Remove strut assy. nuts (x4) (14mm). Discard nuts.
- (b) Place strut tie bar over the strut studs.
- (c) Install supplied TRD washers and nuts(x4) (17mm). (Fig. 3-1)

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Torque: 50 N·m (510 kgf·cm, 37 ft.·lbf)



- (e) Install spiral loom protector over wiper motor harness between brake master cylinder reservoir and the cowl pan as shown. (Fig. 3-2)



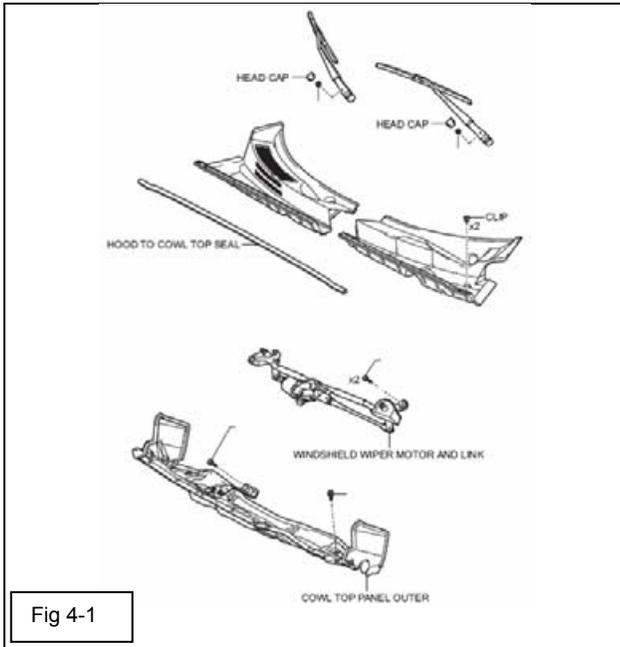


Fig 4-1

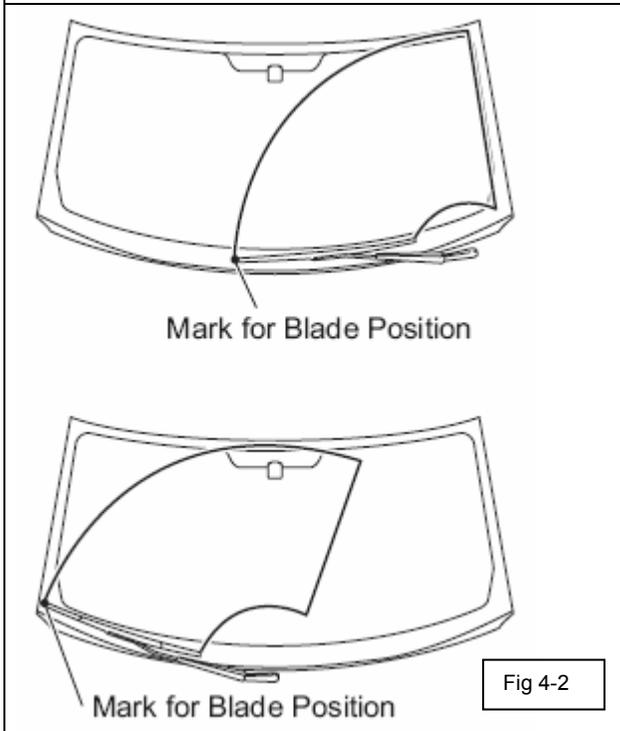


Fig 4-2

4. Install Cowl Assy. (Fig 4-1)

(a) Install cowl pan

Torque: 6.0 N·m (61 kgf·cm, 53 in.·lbf)

(b) Install wiper link assy.

Torque: 5.5 N·m (56 kgf·cm, 49 in.·lbf)

(c) Install cowl cover and insert clips (2).

(d) Install hood to cowl top seal.

(e) Install wiper arms

(1) Align the blade tip with the mark on the windshield glass, as shown. (Fig. 4-2)

(2) Tighten the nut on the wiper arm.

Torque: 26 N·m (265 kgf·cm, 19 ft.·lbf)

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

CHECK:

Accessory Function Checks

Confirm wiper harness is protected from contact with the strut tie bar.

LOOK FOR:

Proper spiral loom installation per the photo above.

Vehicle Function Checks

 Confirm windshield wipers operate.