

Part Number: PTR06-21110

Kit Contents:

Item #	Quantity Req'd.	Description
1	1	Strut Brace
2	1	Hardware Bag
3	1	Instruction Form

Hardware Bag Contents

Item #	Quantity Req'd.	Description
1	4	Strut Support Nuts
2		
3		

Additional Items Required For Installation

Item #	Quantity Req'd.	Description
1		
2		
3		

Conflicts

None- (Supercharger????)

Recommended Tools

Personal & Vehicle Protection	Notes
Fender	
Special Tools	Notes
Installation Tools	Notes
Sockets	10mm, 14mm
Torque Wrench	3/8"
Nylon Pry-Tool	
Screw Driver	Small flat blade
Special Chemicals	Notes

General Applicability

SCION tC 2011- all models

Recommended Sequence of Application

Item #	Accessory
1	Springs
2	Strut Brace

* Mandatory

Vehicle Service Parts (may be required for reassembly)

Item #	Quantity Req'd.	Description
1		
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.

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.).

1. Remove Cowl Covers

(a) Confirm ignition key is turned off.

(b) Remove wiper arm covers.

(1) Use a nylon pry-tool. (Fig 1-1)

(c) Remove wiper arm and blade assemblies.

(14mm)

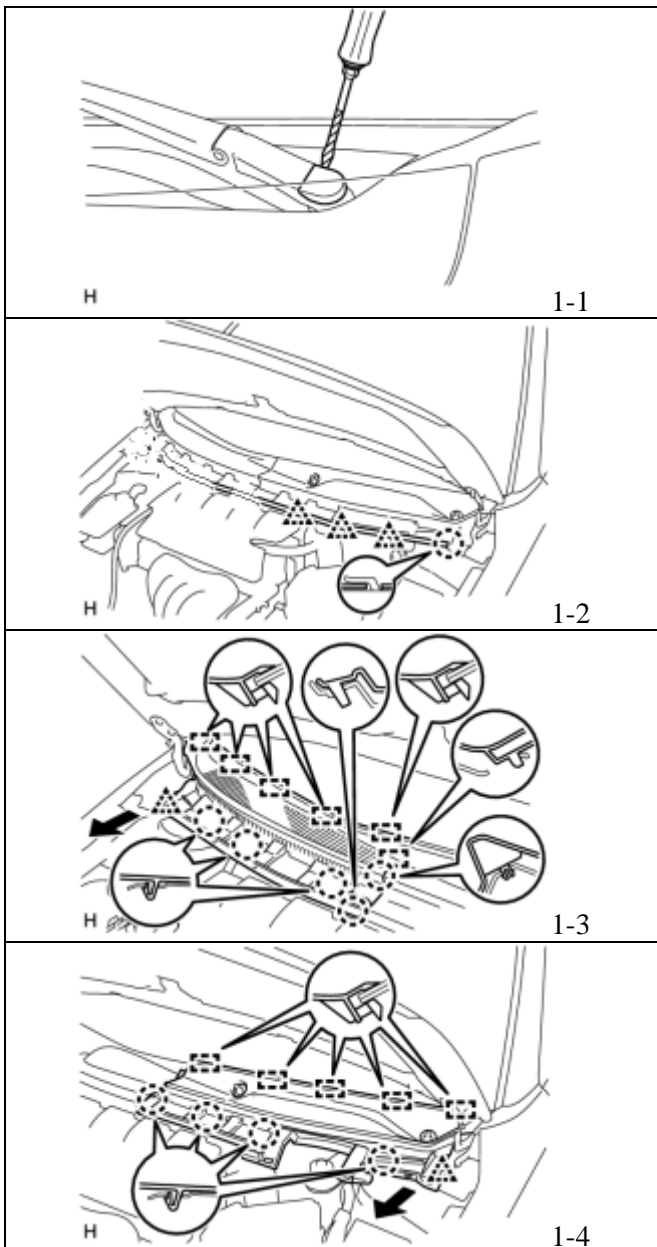
(d) Remove driver side of hood to cowl seal.

(Fig 1-2)

(e) Remove passenger side cowl cover. (Fig 1-3)

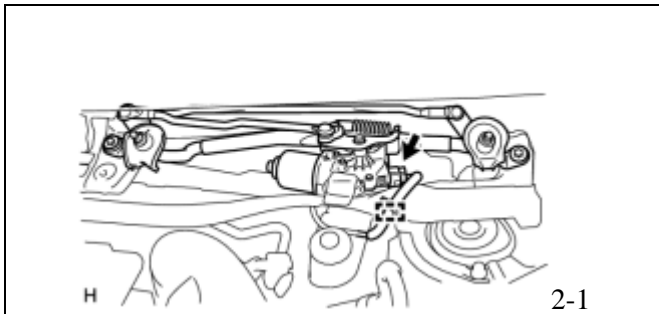
HINT: there are bumps in plastic indicating location of clips.

(f) Remove driver side cowl cover. (Fig 1-4)



2. Remove Cowl Panel

- (a) Disconnect the connector. Then detach the clamp and remove the wire harness from the cowl top panel. (Fig 2-1)



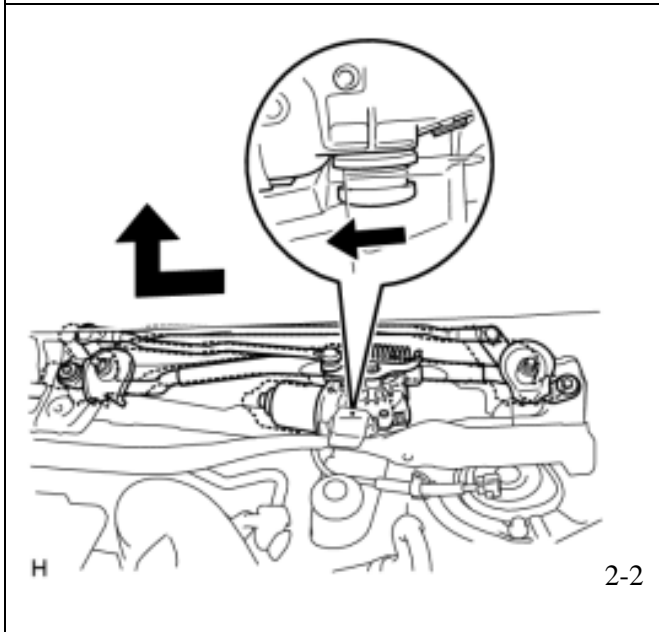
- (b) Protect lower edge of windshield using tape or a rubber/plastic guard.



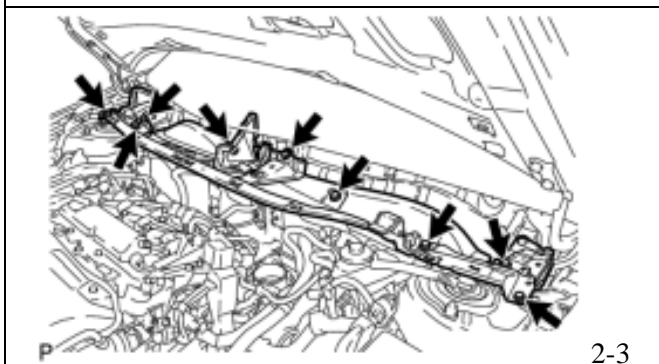
- (c) Remove wiper motor.

- (1) Remove two screws. (🔩10mm)

- (2) Move the wiper cushion in the direction shown by the arrow in the illustration to detach the wiper cushion from the body and remove the wiper link. (Fig 2-2)

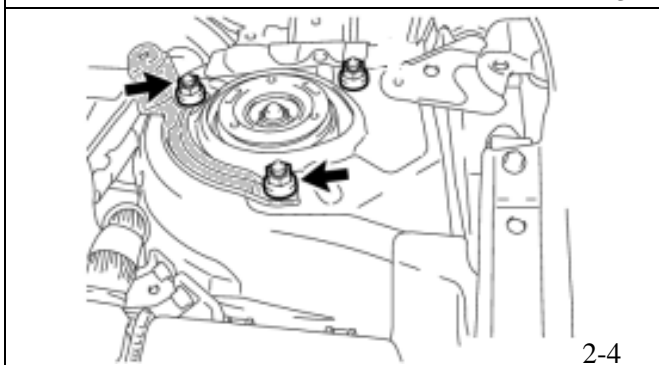


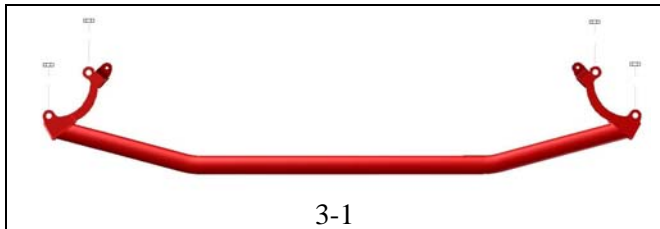
- (d) Remove the 9 bolts and outer cowl top panel. (Fig 2-3)(🔩10mm)



- (e) Remove apron extensions.

- (1) Remove two nuts and extensions and discard parts. (Fig 2-4)(🔩14mm)





3. Install TRD Strut Brace

- (a) Place brace over strut support studs.

(1) Tighten with supplied nuts. (Fig 3-1)

Torque: 50 N·m (510 kgf·cm, 37ft·lbf)

4. Install Wiper Motor

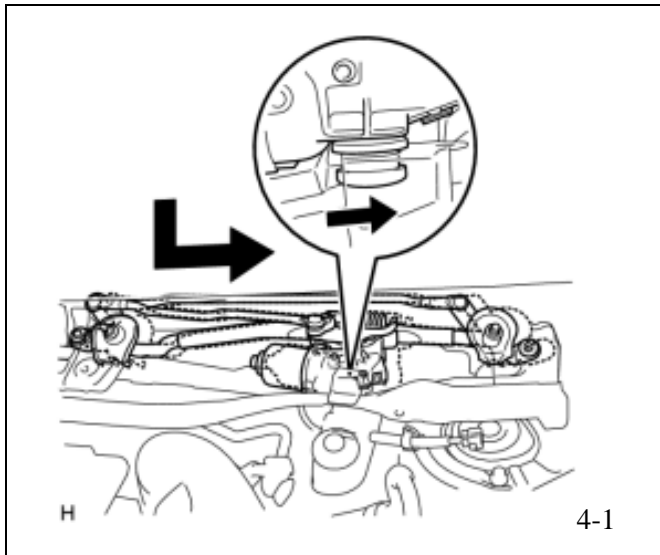
- (a) Install the outer cowl top panel with the 9 bolts. Bolts should be snug, take care not to over-tighten bolts.

Torque: 8.8 N·m (90 kgf·cm, 78in·lbf)

- (b) Move the wiper motor and link in the opposite direction as removal to attach the wiper cushion to the body and install the wiper motor and link. (Fig 4-1)

(1) Install the 2 bolts.

Torque: 5.5 N·m (56 kgf·cm, 49in·lbf)



- (c) Connect the connector and attach the clamp to install the wire harness to the cowl top panel.

5. Install Cowl Covers

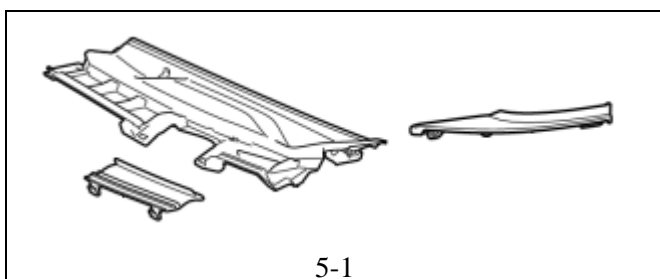
- (a) Remove windshield protection.

- (b) Slide driver side cowl cover back onto leading edge of windshield. Lift upper side covers (rubber) to properly locate corner of plastic cowl cover. (Fig 5-1)

- (c) Confirm leading edge clips are located over mating holes on cowl panel and fasten clips.

- (d) Repeat for passenger side. Clip two cowl covers together.

- (e) Install hood to cowl seal.

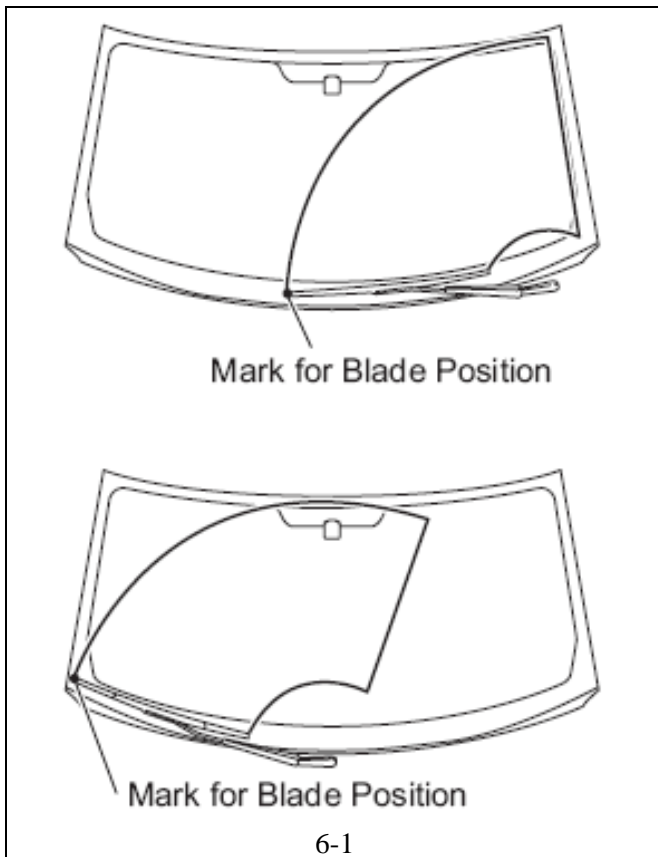


6. Install Wiper Arms

- (a) Align the blade tip with the mark shown in the illustration. (Fig 6-1)
- (b) Hold the arm hinge by hand when tightening the nut.

Torque: 23 N·m (235 kgf·cm, 17ft·lbf)

- (c) Install the front wiper arm covers.



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

CHECK FOR:Accessory Function Checks☐☐☐☐**LOOK FOR:**Vehicle Function Checks☒Wiper Motor & Wiper Arms

Operate the front wipers. Make sure that the front wipers function properly and the wipers do not come into contact with the vehicle body.

☒Torque Specs

Strut Top Nuts - Torque: 50 N·m (510 kgf·cm, 37ft·lbf)

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Cowl Top Panel - Torque: 8.8 N·m (90 kgf·cm, 78in·lbf)

☐

Wiper Motor - Torque: 5.5 N·m (56 kgf·cm, 49in·lbf)

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Wiper Arms - Torque: 23 N·m (235 kgf·cm, 17ft·lbf)