Part Number:
PT904-52080 Silver
PT904-52131 Graphite Gray
PT904-52150 Gloss Black

Kit Contents

Item #	Quantity Reqd.	Description
1	1	16" Alloy Wheel
2	1	Center Cap
3	1	Hardware Bag (Box)

Hardware Bag Contents

Item #	Quantity Reqd.	Description
1	5	Lug Nuts

Additional Items Required For Installation

Item #	Quantity Reqd.	Description
1	As Required	Balance Weights Clip-on Type
2	As Required	Balance Weights Stick-on Type
3	As Required	Valve Grommet Fitting Kit P/N 04423-33030

Conflicts

Note: Wheel Cover

Recommended Tools

Personal & Vehicle Protection	**Notes**
Safety Glasses	
Seat Protection	Blanket
Special Tools	**Notes**
Wheel Balancing Machine	DSP9700 or equivalent
Tire Mounting Machine	Hunter TC3250 or equiv.
Centering Cone	Hunter 192-51-2
Foot Brake Application Tool	Snap-on B240A Pedal Jack or equivalent
Installation Tools	**Notes**
Rubber Mallet	
Torque Wrench	0-75 lbf-in. (8.50 N-m) 0-250 lbf-ft (340 N-m)
Socket & Ratchet	21 mm Deep Well 12 mm Deep Well
Balance Weight Pliers	
Clean Lint-Free Cloth	
Nylon Panel Removal Tool	e.g. Panel Pry Tool #1 Toyota SST #0002-06001-01
Special Chemicals	**Notes**
Tire lube	
Cleaner (for re-work only)	VDC approved cleaner

General Applicability

Scion xB Scion xB Anniversary Edition Scion xB Snow Edition

Recommended Sequence of Application

Item #	Accessory
1	Alloy Wheel
2	Wheel Lock

*Mandatory

Vehicle Service Parts (may be required for reassembly)

Item #	Quantity Reqd.	Description
1	0 – 1 as needed	Valve Stem Fit Kit (if required) Consult EPC or MicroCAT for correct TPMS P/N for your model and year.
2	0 – 1 as needed	TPMS 20 degree (if required) Consult EPC or MicroCAT for correct TPMS P/N for your model and year.

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.).

Please see your SCION dealer for a copy of this document.

1. Prepare the Vehicle.



Fig. 1-1

(a) Firmly apply the parking brake (Fig. 1-1).

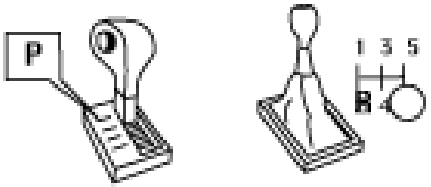


Fig. 1-2

(b) Put the transmission in “P” (automatic) or reverse (manual) (Fig. 1-2).

Foot Brake Application Tool

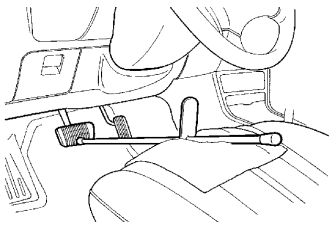


Fig. 1-3

(c) Add seat protection (blanket) and use a foot brake application tool to apply the foot brake (Fig. 1-3).

(d) Lift the vehicle.

CAUTION: Place a safety stand under the front of the vehicle or under the front pinch seam, “jack position,” while the vehicle is off the ground for additional vehicle support.

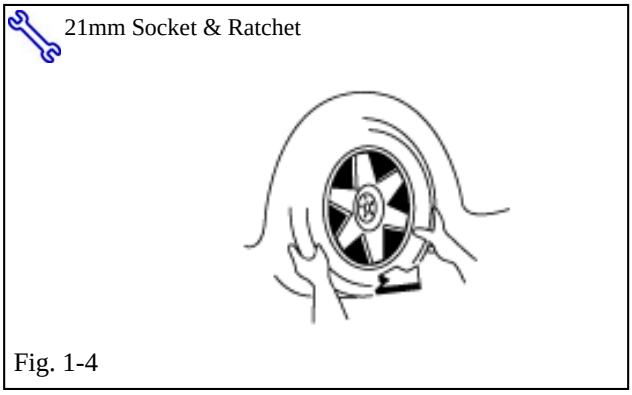


Fig. 1-4

(e) Remove the OE wheel and tire assemblies from vehicle (Fig. 1-4). Wear safety glasses while removing wheels.

NOTE: Mark the tire installation position on the inward facing tire sidewall i.e. Front Right = FR, Front Left = FL, Rear Right = RR, Rear Left = RL.

2. Remove the Tire Pressure Monitor Valve Sub-assembly.

(a) Remove the valve core and release the pressure from the tire.

(b) Remove the nut and washer and retain them for reinstallation later. Let the pressure sensor drop inside the tire.

(c) Carefully separate the upper tire bead from the wheel rim (Fig. 2-1).

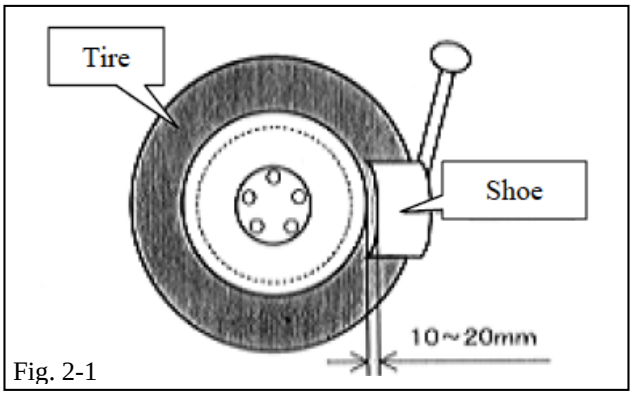


Fig. 2-1

NOTE: Be careful not to damage the tire pressure monitor due to interference between the sensor and tire bead.

(d) Remove the sensor from the tire and remove the bead on the lower side as in usual tire removal operation.

(e) Dismount the OE tire from the OE wheel.

3. Install the Tire Pressure Monitor Valve Sub-assembly to the Accessory Wheel.

(a) Visually check that no deformation or damage exists on the tire pressure monitor valve sub-assembly.

(b) Check that the rim is clean.

(c) Check that the grommet, washer and nut are all clean and in good condition.

NOTE: Replace the grommet ONLY IF the grommet is old or was damaged. A damaged grommet is NOT reusable.

(d) Insert the tire pressure monitor valve sub-assembly into the valve installation hole from the inside of the rim and bring the valve stem to the outside (Fig. 3-1).

(e) Insert the tire pressure monitor valve sub-assembly so that "Manufacturer's" mark is visible.

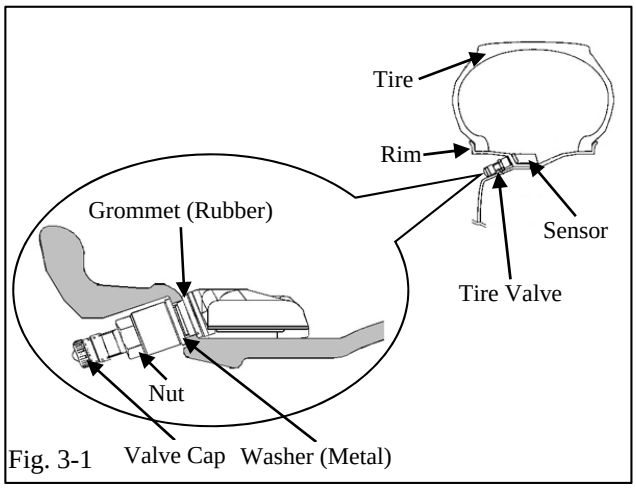


Fig. 3-1

NOTE: Incorrect orientation of pressure monitor sub-assembly may cause damage and prevent signal transmission during high-speed driving.

(f) Install the washer on the outside of the wheel and secure with the nut.

(g) Tighten the nut to 4.0 N-m (36 lbf-in).

Torque: 36 in-lbf (4.0 N-m)

4. Mount the Tires.

(a) Mount the dismounted 16" tire on the alloy wheel. Ensure the marked side is facing inward.

NOTE: Align the red dot on the tire to the valve stem location on the wheel.

(b) Use tire lube on tire bead and bead location on wheel prior to mounting the tire.

(c) Position the wheel on the mounting machine with the sensor at ~ 7 o'clock position (shaded area in Fig. 4-1)

(1) The mount/dismount head is considered as 12 o'clock position.

(d) Mount the lower tire bead.

NOTE: If the sensor is positioned outside this area, it generates interference with the tire bead, causing possible damage to the sensor.

(e) Reposition the wheel on the mounting machine with the sensor at ~ 7 o'clock position (shaded area in Fig. 4-1).

(f) Mount upper tire bead.

NOTE: If the Mounting Machine rotates in the counterclockwise direction, refer to Fig. 4-2 for sensor placement.

NOTE: Make sure that the tire bead and tool do not interfere with the main body of the sensor and the bead does not clamp the sensor.

(g) To seat tire bead, inflate tire beyond 33 PSI but not more the than the maximum tire bead seat pressure indicated on the tire sidewall. If it is not indicated use 40 PSI as a limit. If tire bead is not seated when pressure registers 40 PSI, deflate the tire and re-inflate to seat the bead. Regulate tire pressure to the value on the driver's side B-pillar label.

(h) After inflating the tire, retighten the nut of tire pressure monitor valve sub-assembly to 4.0 N-m (36 lbf-in).

Torque: 36 in-lbf (4.0 N-m)

UPPER BEAD PLACEMENT

COUNTER-CLOCKWISE ROTATION

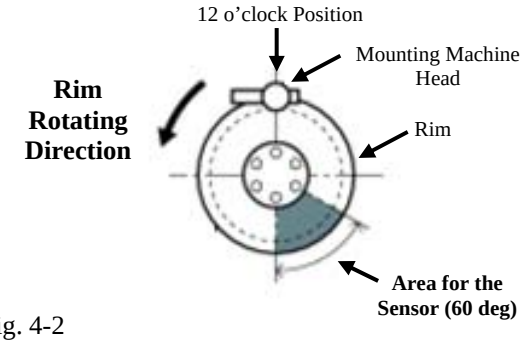


Fig. 4-2

5. Balance the Wheels.

NOTES: Application temperature for stick-on type weight is above 10ºC (50ºF). It is good practice to apply the stick-on type weights in sections comprising no more than 5 or 6 individual weight segments. This wheel requires stick-on weight on the outer rim and clip-on weight on the inner rim for correct balancing.

(a) Prior to mounting stick-on type weight, use VDC-approved cleaner as needed to clean the wheel weight mounting location on the wheel, then wipe down with a clean lint-free dry cloth. Ensure that location is clean and dry. Apply stick-on weights at the perimeter location identified by the dynamic balance machine, as shown. Use a rubber mallet, if required, to achieve complete adhesion of stick-on type weight.

(b) Mount wheel/tire on wheel balance machine and balance in **DYNAMIC MODE with LOAD ROLLER ENABLED**, if applicable, to ensure proper bead seating. Use clip-type balance weights on the inner rim lip and stick-on type weights at the outer location (Fig. 5-1 & Fig. 5-2).

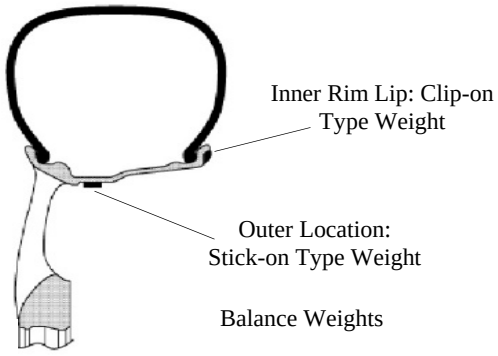
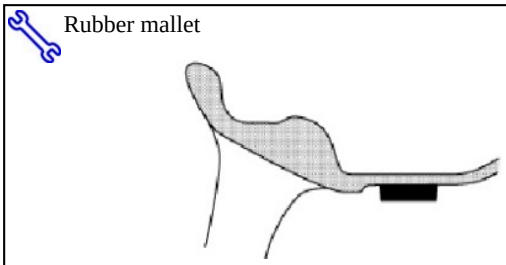


Fig. 5-1



Detail of Outer Location – Stick-on Type Weight

Fig. 5-2

NOTES: Maximum clip-on type weight on the inner lip is **80 g**. Maximum stick-on type weight at outer location is **98 g**. If removal and replacement of stick-on type weight is necessitated, remove the weights with a nylon removal tool. Clean the surface with a mild soap or VDC approved cleaner. Wipe the surface dry before re-applying a new weight. **(DO NOT RE-USE STICK-ON WEIGHTS.)**

(c) Re-spin the wheel on the machine with LOAD ROLLER DISABLED (if applicable) and note the indicated remainder unbalance. The maximum permitted imbalance is 8 g at inner lip and 8 g at outer location.

6. Install the Wheels / Tires on the Vehicle.

(a) Install the wheel/tire assemblies onto the vehicle. Be sure to place the wheel/tire assemblies on the vehicle in the marked positions from Step 1. Hand start the lug nuts during installation. Tighten the lug nuts in sequence 1 through 5 or equivalent star pattern (Fig. 6-1).

(b) Ensure that the socket does not scuff the wheels.

(c) Tighten to 76 lbf-ft (103 N-m) using a torque wrench.

Torque: 76 lbf-ft (103 N-m)

(d) Re-torque all lug nuts in the same 1-5 sequence (Fig. 6-1).

Torque: 76 lbf-ft (103 N-m)

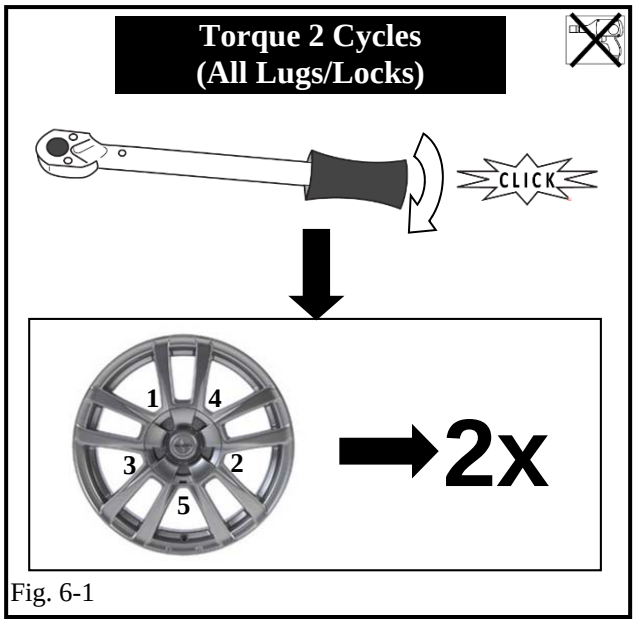


Fig. 6-1

(e) With the vehicle still on the lift, use a digital torque wrench to measure the torque of each lug nut/lock and record it on the Torque Audit Sheet (Fig. 6-2) (PPO installation only, does not apply to DIO installation).

(f) Lower the vehicle.

(g) The tire pressure should already be adjusted to the value recommended in the owner's manual or the B-pillar label located on the driver's side for this vehicle ± 2 PSI. Verify at this time only.

(h) Install the valve stem caps.

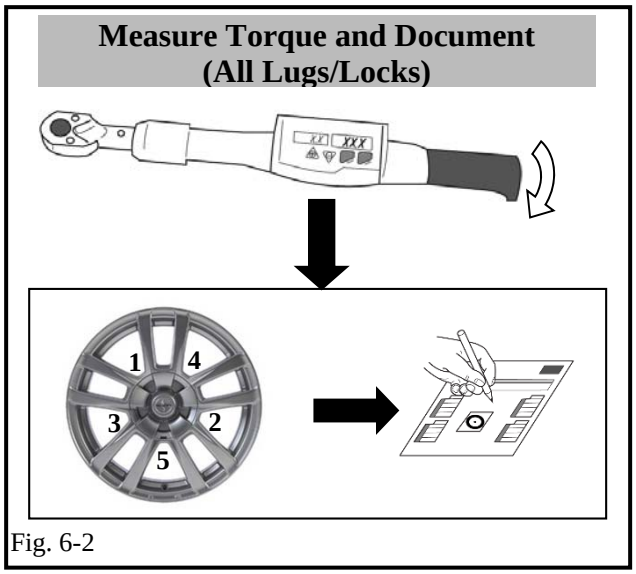


Fig. 6-2

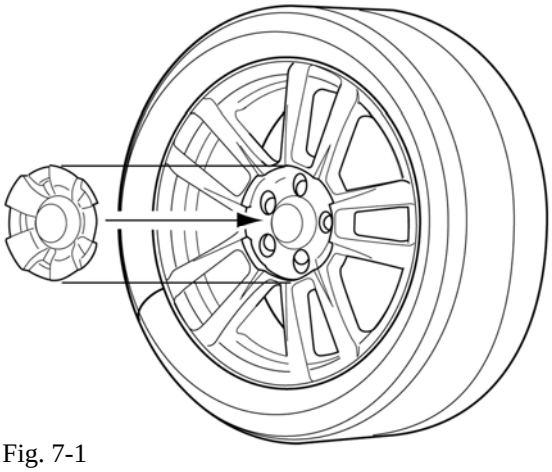


Fig. 7-1

7. Install the Center Caps.

(a) Place the center caps on the wheels. Gently push the cap into the wheel until the cap snaps into place (Fig. 7-1)

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

Check:	Look For:
Accessory Function Checks	
☐ Inspect Lug Nuts & Center Cap	Four lug nuts must be installed on each wheel with center cap
☐ Lug Nut Tightness	Tighten to 76 lbf-ft (103 N-m) of torque.
☐ Correct Tire Pressure	Tire pressure is owner's manual or B-pillar label value ± 2 PSI. Verify during process only. Check pressure during installation.
Vehicle Appearance Check	
☐ After accessory installation and removal of protective cover(s), perform a visual inspection.	Ensure no damage (including scuffs and scratches) was caused during the installation process. (For PPO installations, refer to TMS Accessory Quality Shipping Standard.)