

Part Number: 08457-50806

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

Kit Contents

Item #	Quantity Reqd.	Description
1	1	Alloy Wheel

Hardware Bag Contents

Item #	Quantity Reqd.	Description
1	1	Center Cap (08402-50801)
2	1	Customer care card

Additional Items Required For Installation

Item #	Quantity Reqd.	Description
1	As Required	Balance Weights Stick-on Type (Hoffman Standard)
2	1 per wheel	TPMS fitting kit 04423-35020 (if required)

Conflicts

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Recommended Tools

Personal & Vehicle Protection	Notes
Safety Glasses	
Seat Protection	Blanket
Special Tools	Notes
Wheel Balancing Machine	Hunter GSP9700 or equivalent
Tire Mounting Machine	Hunter TC3250 or equivalent
Bead Lever Protective Sleeve	Hunter RP6-0326
Centering Cone	Hunter 192-51-2
Foot Brake Application Tool	Snap-on B240A Pedal Jack or Equivalent

Installation Tools	Notes
Lug Nut Wrench	
Rubber Mallet	
Wire Brush	
Torque Wrench	0-250 lbf-ft (340 N-m)
Torque Wrench	0-75 lbf-in (8.5 N-m)
Socket	21 mm Deep Well
Clean Lint-free Cloth	
Nylon Panel Removal Tool	e.g. Panel Pry Tool #1 Toyota SST # 00002-06001-01
Socket	12 mm Thin Wall, Deep Well
Special Chemicals	Notes
Tire Lube	
Cleaner (for rework only)	3M™ Prep Sol-70

General Applicability

Use with tire size 235/50-R18

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	0-4 as needed	TPMS sensor (if required) P/N 42607-33021
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.

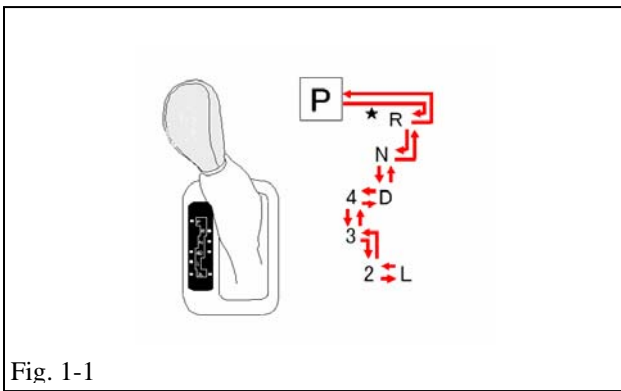
This document covers such items as:-

- 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.).

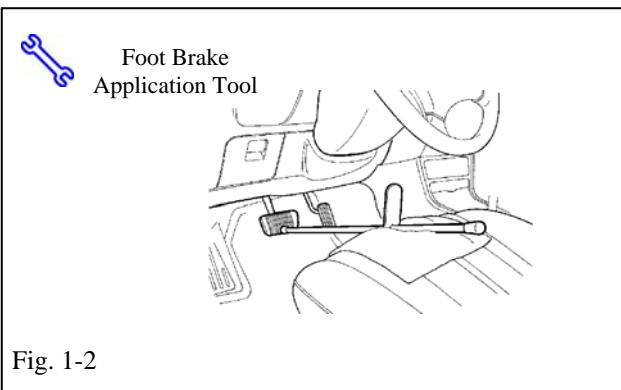
Please see your Toyota dealer for a copy of this document.

1. Vehicle Preparation.

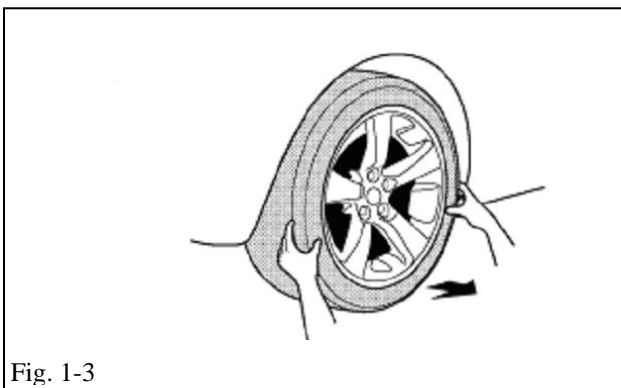
- STOP** (a) Firmly apply parking brake.
- STOP** (b) Put automatic transmission in "P".
(Fig. 1-1).



- (c) Add seat protection (blanket) and apply foot brake using foot brake application tool.
(Fig. 1-2).
- (d) Lift vehicle.

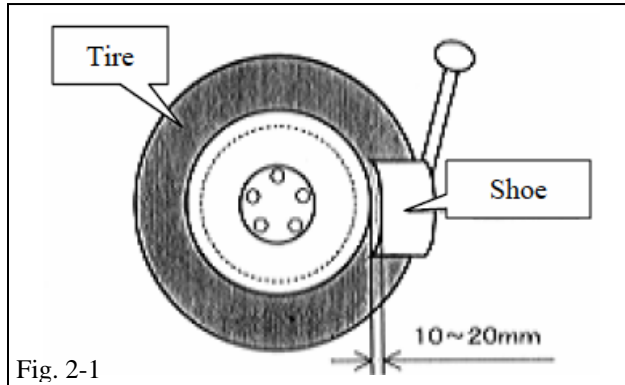


- +** (e) Remove OE wheel and tire assembly from vehicle (Fig. 1-3). Wear safety glasses while removing wheels.



2. Remove Tire Pressure Monitor Valve Sub-assembly.

- +** (a) Remove the valve core and release pressure from the tire.
- (b) Remove the nut and washer and retain 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).

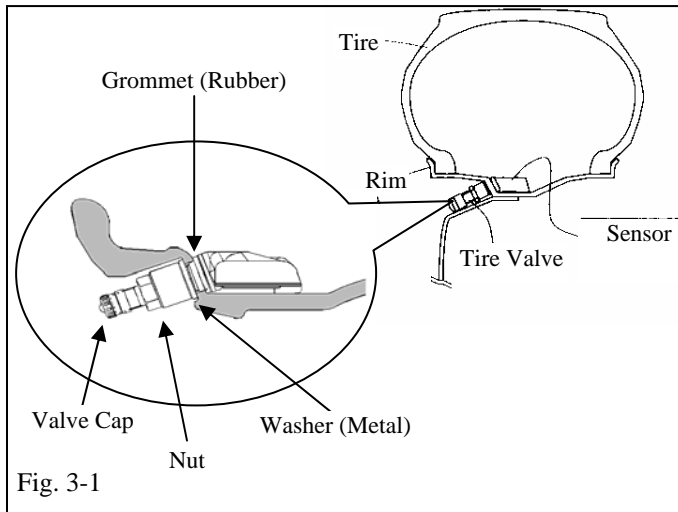


- STOP NOTE:** Be careful not to damage the tire pressure monitor due to interference between the sensor and tire bead.
- (d) Remove the sensor from the tire and remove the bead on the lower side as in usual tire removal operation.
- (e) Dismount OE tire from the OE wheel.

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

- (a) Visually check that there is no deformation or damage on the tire pressure monitor valve sub-assembly and the grommet.
- (b) Check that the rim is clean.
- (c) Change the original grommet to a new one if the grommet is damaged.

- STOP NOTE:** Damaged grommet is NOT re-usable.
- (d) Check that the grommet, washer and nut are clean.



(e) 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).

(1) Insert the tire pressure monitor valve sub-assembly so that "PACIFIC" mark is visible.



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

(f) Install the washer and secure with the nut.



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

4. Tire Mounting.

(a) Remount OE tire on alloy wheel, matching tire light spot (yellow dot) with the valve stem hole.

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

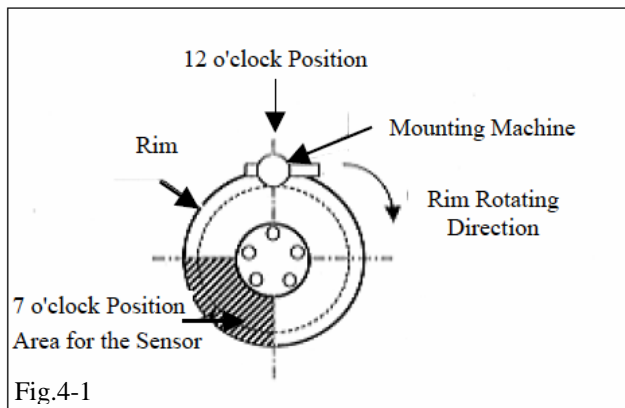
(c) Position the wheel on the mounting machine with the sensor at ~ 7 o'clock position (shaded area in Fig. 4-1)

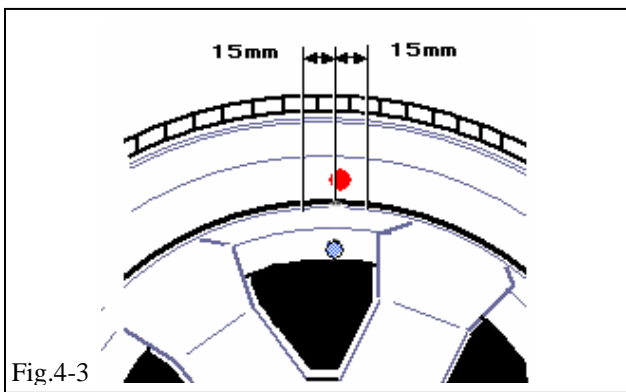
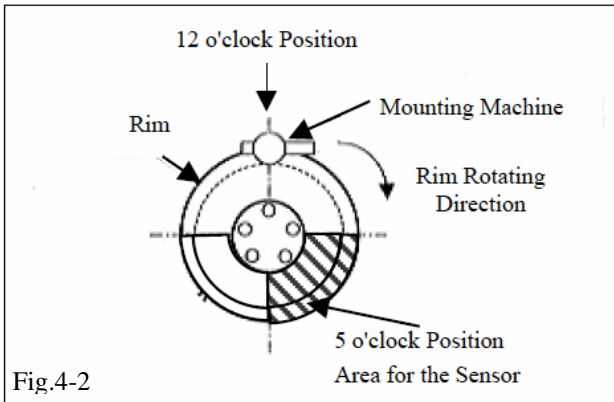
(1) Mount/dismount head is considered as 12 o'clock Position.

(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) Re-position the wheel on the mounting machine with the sensor at ~ 5 o'clock position (shaded area in Fig. 4-2)
- (f) Mount upper tire bead.



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



- (1) The yellow dot on tire and the valve stem on wheel must be aligned to within +/- 15 mm center to center. (Fig. 4-3)



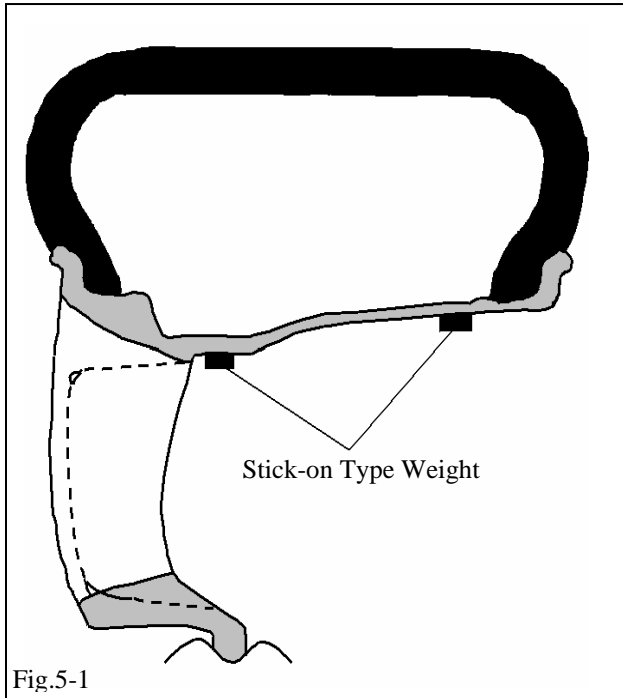
- (g) To seat tire bead, inflate tire beyond 33 PSI but not more than the maximum tire bead seat pressure indicated on the tire sidewall. If it is not indicated use 40 PSI as a limit. If tire bead is not seated when pressure registers 40 PSI, deflate the tire and re-inflate to seat the bead. Regulate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



- (h) After inflating the tire, re-tighten the nut of tire pressure monitor valve sub-assembly to 4.0 +/- 0.6 N-m (36 +/- 5.3 lbf-in)

5. Wheel Balancing.

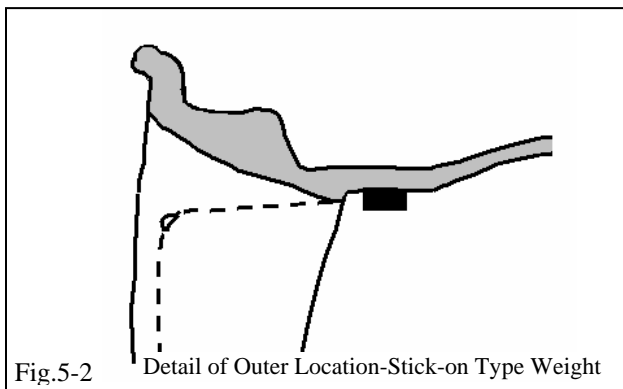
NOTES: Application temperature for stick-on type weight is above 10°C (50°F). It is good practice to apply the stick-on type in sections comprised of no more than 5 or 6 individual weight segments.



(a) Mount wheel /tire on wheel balance machine and balance in DYNAMIC MODE. Enable the LOAD ROLLER, if applicable, to ensure proper bead seating. Use stick-on type weights. (Figs. 5-1 & 5-2)

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

NOTES: Maximum stick-on type weight is 70g inner and 70g outer. If removal and replacement of stick-on type weight is necessary, then remove the weight using a nylon removal tool. Clean the surface with clean cloth using 3M Prep Solvent-70. (Long Beach uses a Soap & Water Mixture.) 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 remaining unbalance. The maximum permitted unbalance is 8g at inner and 8 g at outer location. If the indicated unbalance is not within permissible limit, carefully remove the balance weights using the nylon removal tool (for stick-on type weight) and re-balance the tire/wheel assembly.

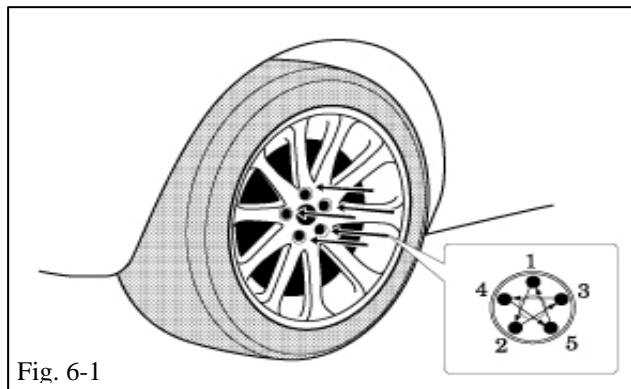


Fig. 6-1

6. Vehicle Wheel / Tire Installation.



(a) Install wheel/tire assembly on vehicle. Hand start the lug nuts during installation. Tighten lug nuts in sequence 1 through 5 (Fig. 6-1). Ensure that the socket does not scuff the wheel. Tighten to 103 lbf-ft (140 N-m) using a torque wrench.

(b) Lower the vehicle.



(c) Recheck lug nut torque.

(d) Tire pressure should be adjusted to the value recommended in the owner's manual for this vehicle. Install valve stem cap.

7. Center Cap Installation.



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

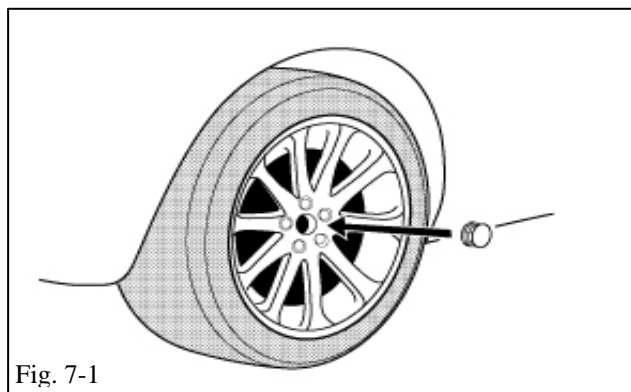



Fig. 7-1

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

Check:

Inspect lug nuts.

 Correct Tire Pressure

Look For:

Five lug nuts must be installed on each wheel

Verify tire pressure is: - owner's manual value \pm 2 PSI.