Part Number: PT758-34090

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
2		
3		
4		

Hardware Bag Contents

Item #	Quantity Reqd.	Description
1	1	Center Cap (PT385-34090-CC)

Additional Items Required For Installation

Item #	Quantity Reqd.	Description
1	As Required	Balance Weights Stick-on Type (Hoffman Standard)
2	1 per wheel	TPMS Sensor, 42607-0C070 (for "Styled" steel wheel)
3	5 per wheel	Lug Nuts 90942-01103
4	As Required	TPMS Fitting Kit,04423-0C170
5	1 per wheel	Tire: P275/55R20
6	1	Tire Pressure Label 00107-00399
7	1	Center Cap PT385-34090-CC

Conflicts

Tundra 20" Factory Alloy Wheel
Tundra 18" Factory Alloy Wheel

Recommended Tools

Personal & Vehicle Protection	**Notes**
Safety Glasses	
Seat Protection	Blanket
Special Tools	**Notes**
Wheel Balancing Machine	Hunter GSP9700 or equiv.
Tire Mounting Machine	Hunter TC3250 or equiv.
Centering Cone	Hunter 192-57-2
Foot Brake Application Tool	Snap-on B240A Pedal Jack or equivalent
Toyota Diagnostic Tester Kit	P/N TOY220036 with 01002593-005 Tester Program Card with Version 12.1a software (or later)

Installation Tools	**Notes**
Lug Nut Wrench	
Rubber Mallet	
Torque Wrench	0-250 lbf-ft (340 N-m)
Torque Wrench	0-75 lbf-in (8.5 N-m)
Socket	22 mm Deep Well
Socket	12 mm Deep Well
Clean Lint-free Cloth	
Nylon Panel Removal Tool	e.g. Panel Pry Tool #1 Toyota SST # 00002-06001-01
Special Chemicals	**Notes**
Tire Lube	
Cleaner (for rework only)	Approved cleaner

General Applicability

Tundra with 18" Styled Steel Wheel (requires new TPMS)
Tundra with 18" Regular Steel Wheel (reuse factory TPMS)

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		

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

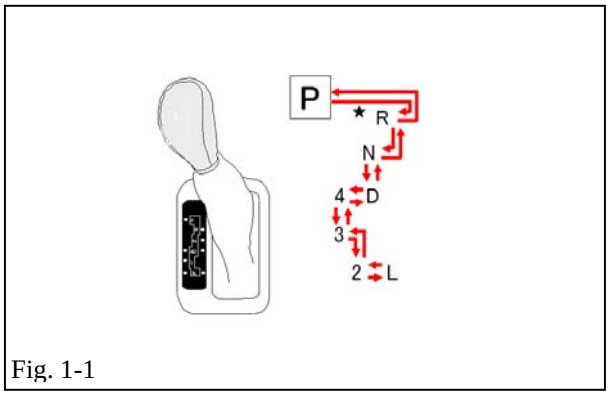

Fig. 1-1

(a) Firmly apply parking brake.

(b) Put automatic transmission in "P". (Fig. 1-1).

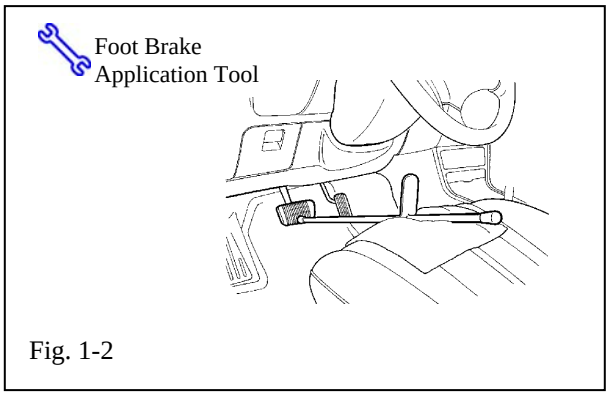

Fig. 1-2

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

(d) Lift vehicle.

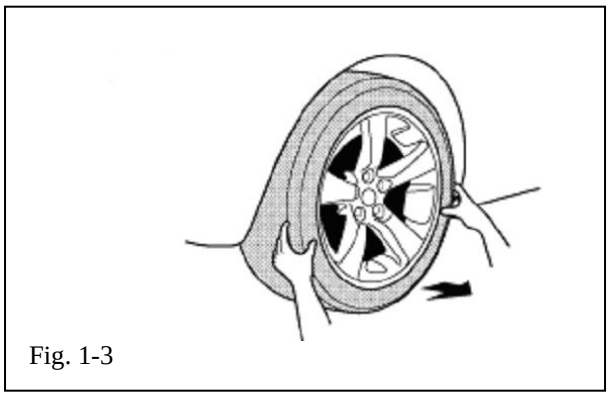
Fig. 1-3

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

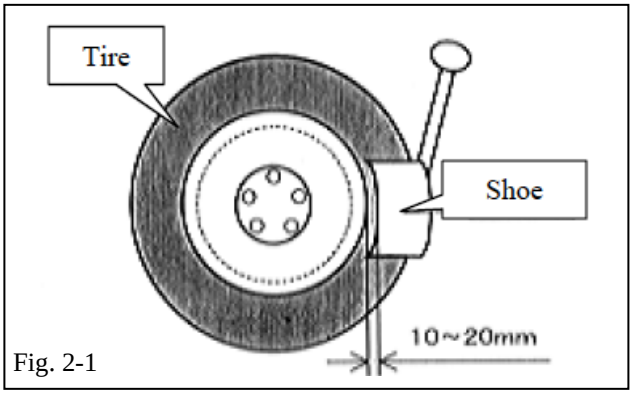

Fig. 2-1

2. Remove Tire Pressure Monitor Valve Sub – assembly (for "Regular" Steel Wheel)

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

(b) Remove the nut and washer. 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).

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.

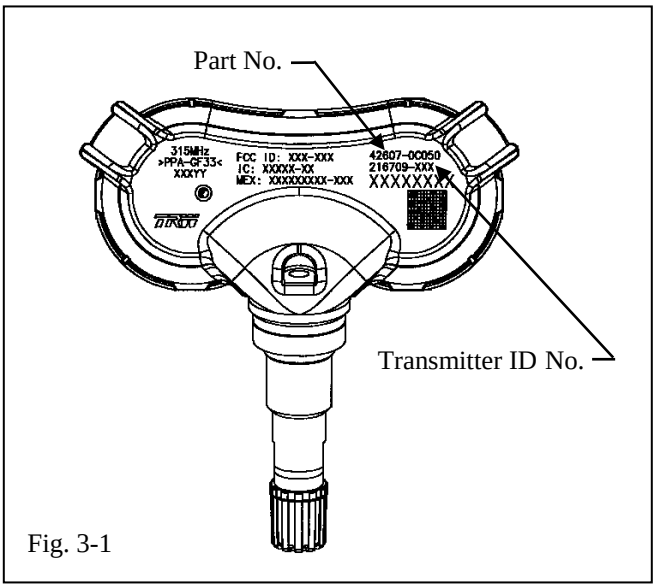

Fig. 3-1

3. Install Tire Pressure Monitor Valve

(a) Visually check that there is no deformation or damage on the tire pressure monitor valve sub-assembly (use TPMS 42607-0C070 for styled steel wheel).

(b) Check that the rim is clean.

(c) Change the original grommet to a new one if the grommet is damaged.

NOTE: Damaged grommet is NOT reusable.

(d) Check that the grommet, washer and nut are clean.

(e) Record TPMS Transmitter ID No. and verify that the number is copied accurately (for "Styled" steel wheel)(Fig. 3-1)

(f) 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. 3-2).

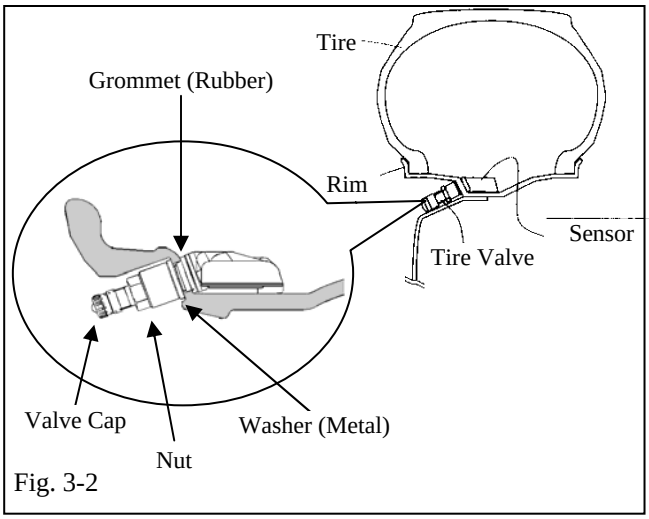

Fig. 3-2

(g) Insert the tire pressure monitor valve sub-assembly so that manufacturer mark is visible.

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

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

(i) Tighten the nut to 4.0 N-m (35 lbf-in)

4. Tire Mounting

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

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

(c) Mount/dismount head is considered as 12 o'clock position.

(d) Mount the lower tire bead.

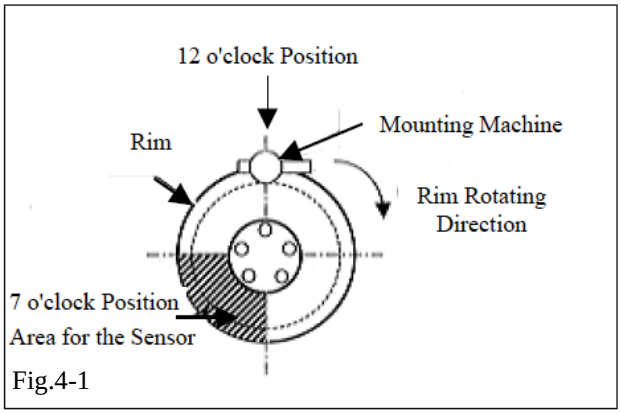

Fig.4-1

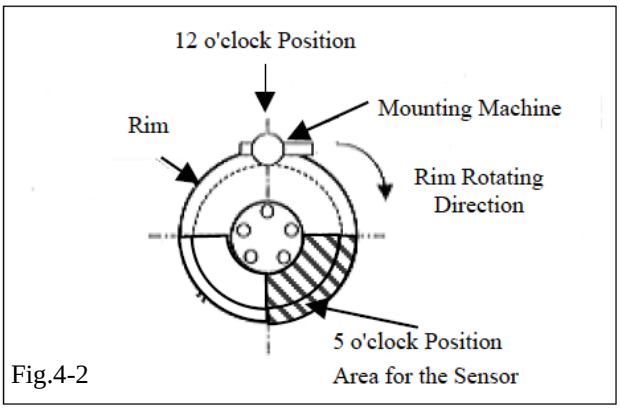

Fig.4-2

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 ~5 o'clock position (shaded area in Fig. 4-2)

(f) Mount upper tire bead.

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 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 (35 +/- 5.3 lbf-in).

5. Wheel Balancing

NOTES: This wheel requires stick-on weight on outer rim and inner rim for balancing. Application temperature for stick-on type weight: above 10°C (50°F). It is good practice to apply the stick type weights in section comprising 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 (enabling the load roller ensures proper bead seating). Use stick-on balance weight on the inner rim lip and stick-on type weights at outer rim location. (Fig. 5-1 & Fig. 5-2)

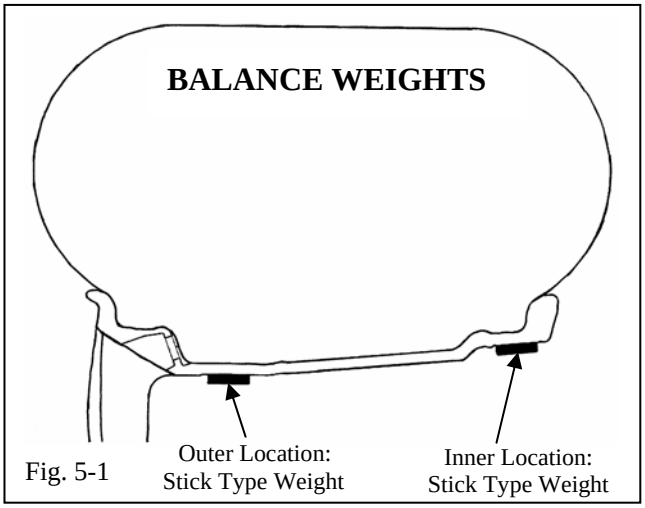

Fig. 5-1

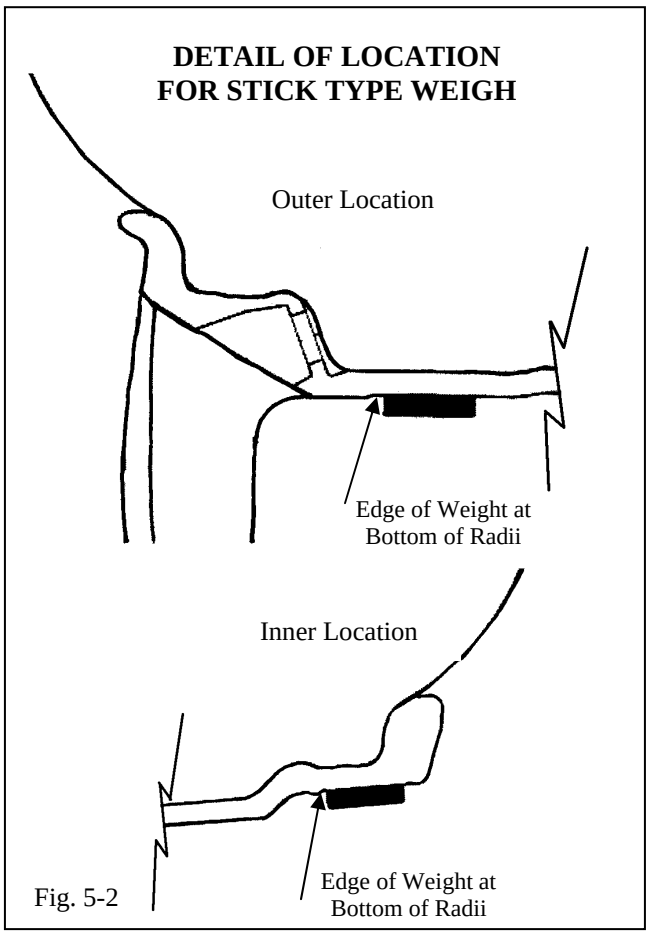

Fig. 5-2

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

NOTES: Maximum clip-on type weight on inner lip is 140 g. Maximum stick-on type weight at outer location is 140 g. If removal and replacement of stick-on type weight is necessary, remove the weights using a nylon removal tool. Clean the surface with a clean cloth using an approved cleaner. Wipe the surface dry before re-applying a new weight. **(DO NOT RE-USE STICK-ON WEIGHTS.)**

(c) ROLLER DISABLED (if applicable) and note the indicated remainder unbalance. The maximum permitted unbalance is 8 g at inner lip and 8 g at outer location.

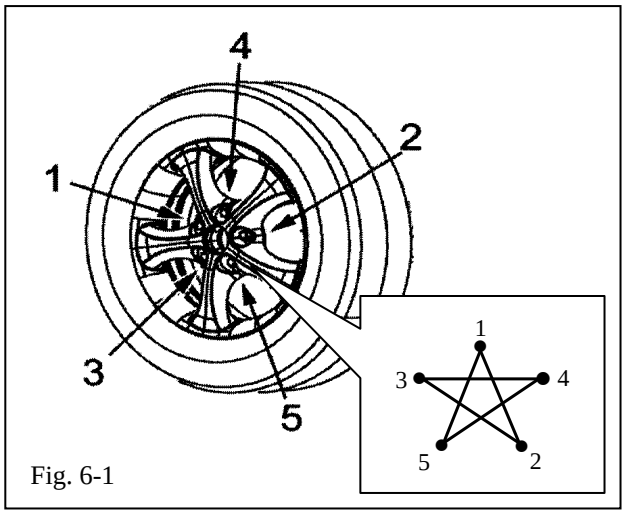

Fig. 6-1

6. Vehicle Wheel/Tire and Center Cap 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 97 lbf-ft (131N-m) using a torque wrench.

(b) Lower the vehicle.

(c) Recheck lug nut torque.

(d) Tire pressure should be adjusted to the value recommended on the tire pressure label for this vehicle. Install valve stem cap.

(e) Install the center cap. Gently push cap into wheel until cap snaps into place.

7. TPMS Transmitter ID No. Listing (when replacing "Styled steel wheel)

(a) Complete this section (and section 7) after all four wheels have been installed.

(b) Connect the hand-held tester to DLC3. (Fig. 7-1)

(c) Turn the ignition switch to the ON position.

(d) Following the display on the hand-held tester, select the "DATA LIST." (Fig. 7-2)

(e) Record the sensor ID of the sensor which still registers a pressure.

(f) **Or** lower the spare tire and record the sensor ID number on a sticker near the tire valve. Raise the spare tire into the storage position.

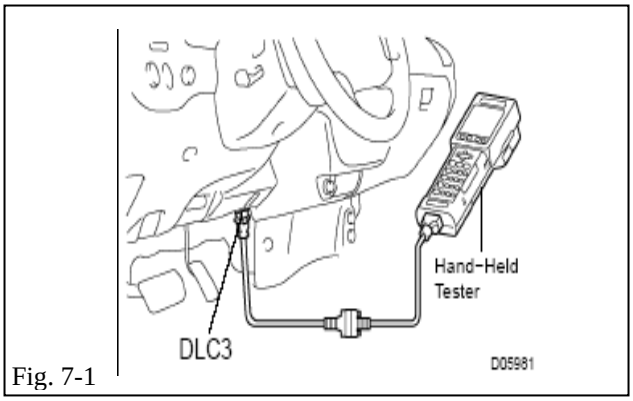

Fig. 7-1

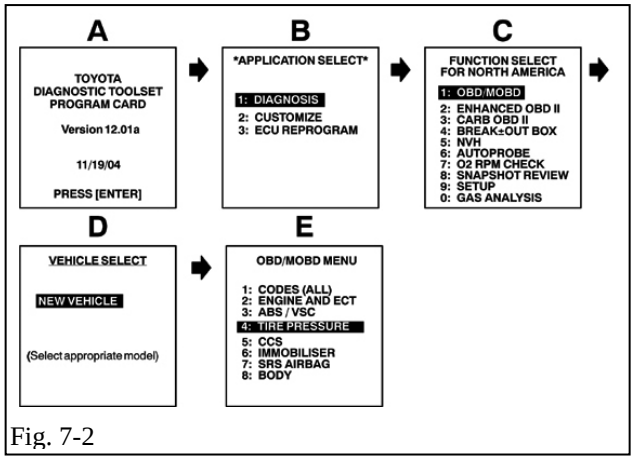

Fig. 7-2

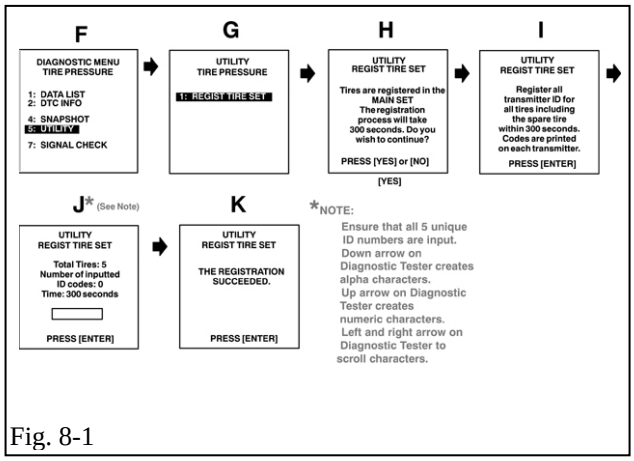

Fig. 8-1

8. TPMS Transmitter ID Registration

(a) Select the REGIST TIRE following the hand-held tester screen. (Fig. 8-1)
(UTILITY – REGIST TIRE)

(b) Input the ID (ID1 to ID5) from Steps 3(e) and 7(e) using the hand-held tester and transmit it to the tire pressure monitor ECU.

(c) Set the ID transmission condition to "SUCCEEDED".

(d) Confirm all the tire pressures are set to values recommended on the tire pressure label (Section 9.) for this vehicle.

NOTE: If this process is not completed within 5 minutes, the transmitter will return to normal operation mode.

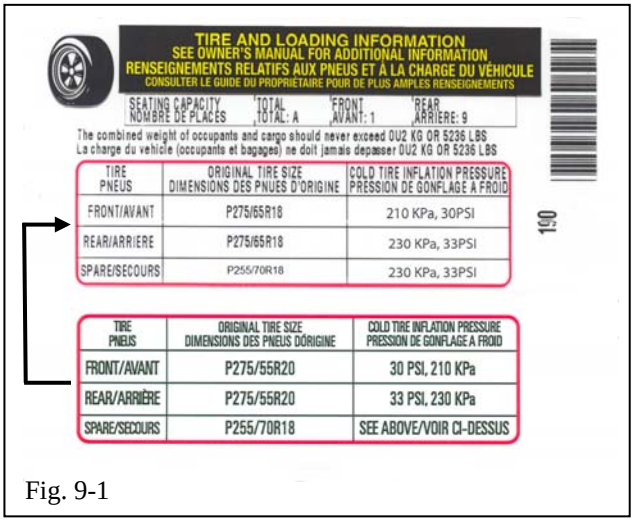

Fig. 9-1

9. 20" Tire Pressure Label

(a) Clean the surface of the OE tire pressure label.

(b) Align the 20" wheel tire pressure label over the tire size of the OE label (Fig. 9-1).

(c) Affix the 20" tire pressure label.

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

Check:	Look For:
☐ Inspect lug nuts.	Five lug nuts must be installed on each wheel.
☐ Lug nut tightness	Lug nuts have been installed at a torque value of 97 lb-ft (131 n-m). Verify process only. Check torque during installation.
☐ Correct Tire Pressure	Verify that tire pressure is set to value listed on the driver side door jam label ± 2 PSI.
☐ Label Placement	Tire Pressure Label is affixed over OE Tire Pressure Label on the door jam.