TOYOTA **Tacoma** **2016** **KMC Rockstar™ 17" Wheel**

Part Number: 00041-35080

Accessory Code: AL6700, AL6710

TOYOTA
Southeast Toyota Distributors, LLC

Conflicts

Note:

Kit Contents

Item #	Quantity Reqd.	Description
1	1	Alloy Wheel
2	1	Center Cap
3	2	Center Cap Screws
4	5	Spoke Fins (installed)
5	20	Spoke Fin Screws (installed)
6		
7		
8		

Hardware Bag Contents

Item #	Quantity Reqd.	Description
1	6	Lug nuts mag shank type
2	1	Customer Accessory Tool Kit
3		
4		
5		
6		

Additional Items Required For Installation

Item #	Quanity Reqd.	Description
1	As Required	Balance Weights Stick on Type
2	1 per Wheel	TPMS Sensor - 42607-04020 Only for vehicles with factory Alloy Wheel

Recommended Tools

Safety Tools	
Safety Glasses	
Seat Protection	Blanket
Special Tools	
Foot Brake Application Tool	Snap-On B240A
	Pedal Jack or Equiv
Installation Tools	
Wheel Balancing Machine	Hunter 9700 or Equivalent
Tire Mounting Machine	Hunter or Corgi
Torque Wrench	0-100 lbf-ft (135 N-m)
Torque Wrench	0-75 lbf-in (8.5 N-m)
Socket	21mm deep well
Special Chemicals	
Tire Lube	
Cleaner	3M Prep Sol-70 or equiv

General Applicability

1.) P265/65R17 BFG Rugged Terrain for Tacoma.
2.) Tacoma with Steel Wheels Re-use Sensor.
3.) Tacoma with Alloy Wheels Requires New TPMS Sensors.
4.) Turn White Letters Inside.

Recommended Sequence of Application

Item #	Accessory	
1	Wheel and Tire	
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.

SPECIAL NOTE: Installation Sequences

After **TMS** and **Safety** mandated preparatory steps have been taken, the installation sequence is the suggested method for completing the accessory installation. In some instances the suggested sequence is written for one associate to install and in others the sequence is given as part of a team accessory installation. Unless otherwise stated in the document, the associates may perform the installation steps in any order to make the installation as efficient as possible while maintaining consistent quality.

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.).

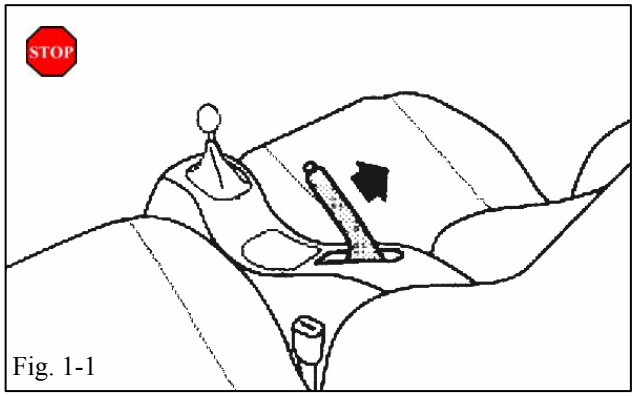

Fig. 1-1

1. Vehicle Preparation.

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

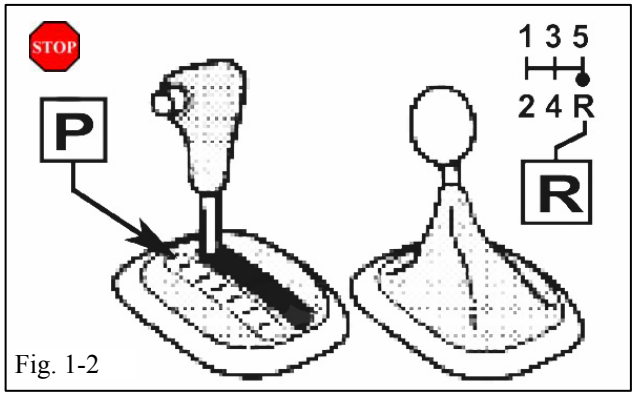

Fig. 1-2

STOP (b) Put transmission in "P" (automatic) or reverse (manual). (Fig. 1-2) Lift Vehicle.

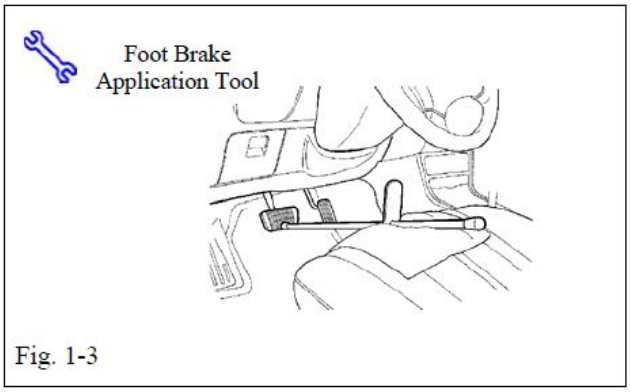

Fig. 1-3

(c.) Add seat protection (blanket) and apply foot brake using foot brake application tool. (Fig. 1-3) (Optional Step) Lift Vehicle

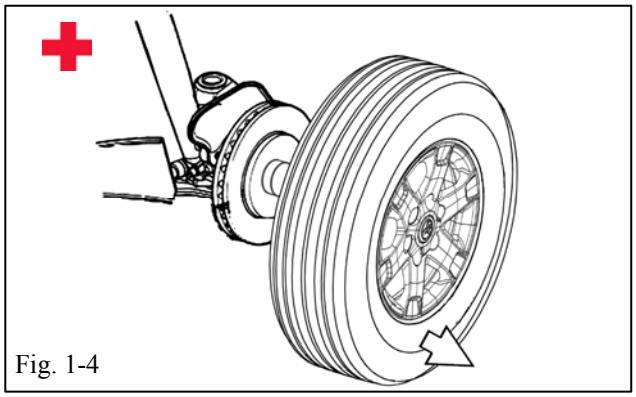
Fig. 1-4

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

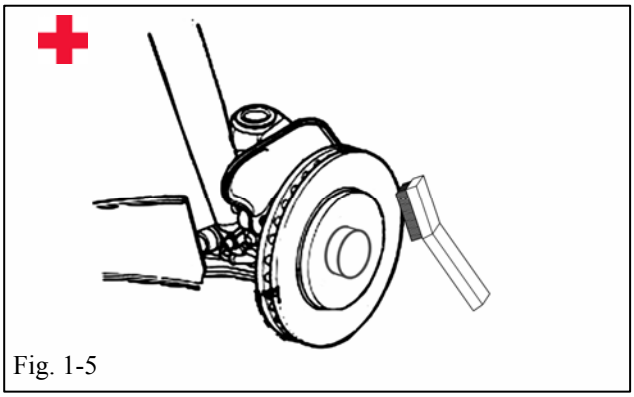
Fig. 1-5

(e) (Dealer Installation Only, if applicable) Remove any corrosion on the mounting surface of the vehicle with a wire brush. Wear safety glasses to protect against dust. 1-5

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).

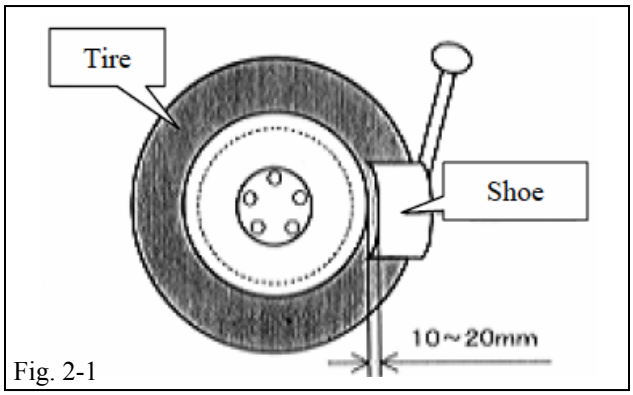

Fig. 2-1

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

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

(e) Dismount OE tire from the OE wheel.

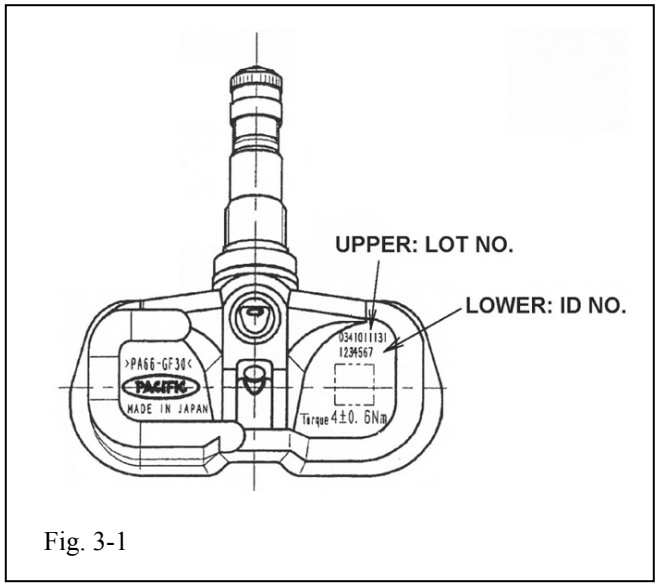

Fig. 3-1

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.

(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 re-usable.

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

CAUTION:
This Wheel Requires TPMS Sensor 42607-04020. **DO NOT** Attempt to Re-use Sensors from OEM Alloy Wheels as damage could occur.

Note: Steel Wheels re-use Original Sensors. Factory Alloy Wheels install New Sensors P/N 42607-04020.

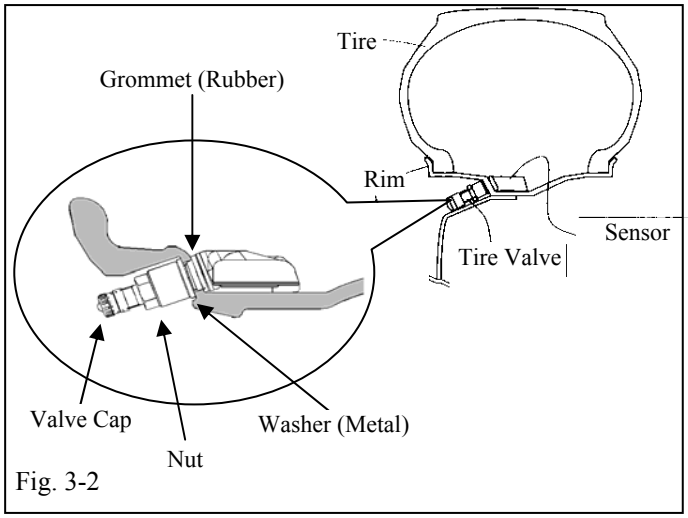

Fig. 3-2

(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. 3-2).

(1) Insert the tire pressure monitor valve sub-assembly so that "Manufactures" 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 (35 lbf-in)

4. Tire Mounting.

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

Note: Use Only Approved lubricant made for tire beads.

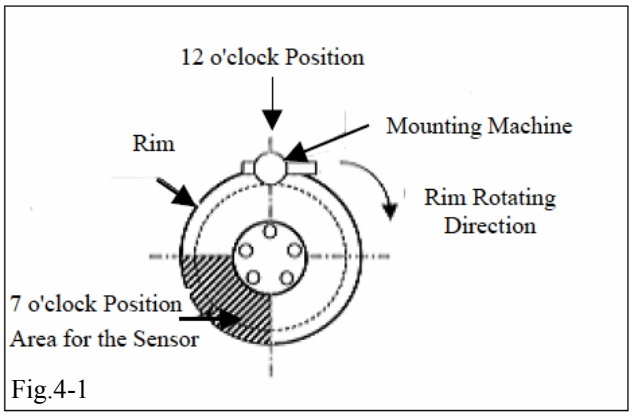

Fig.4-1

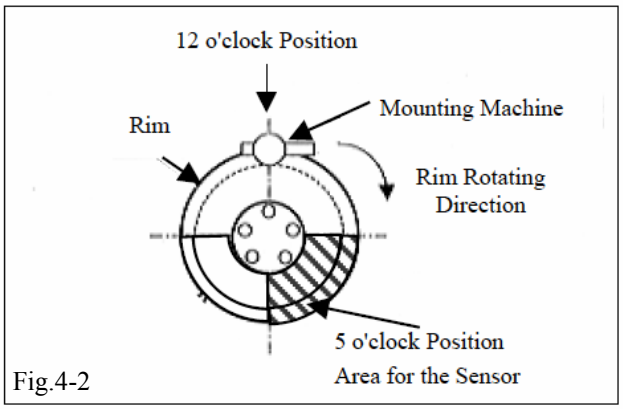

Fig.4-2

(b) 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.

(c) 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.

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

(e) 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.

(f) 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 New Tire pressure label value. - PIO Only

(g) 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

(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).
Road Force not to exceed 25lbs>

(b) Prior to mounting stick on weight type, wipe down the wheel with a clean lint-free dry cloth. Ensure that location is clean and dry and that the temperature is above 50 degrees F. Apply stick-on weights at perimeter location identified by dynamic balance machine as shown. Use rubber mallet, if required to acheive complete adhesion of stick-on type weight.

Note: Max allowable weight is 10oz or 288g.with no more than 5oz. or 144g. per plane.

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

Plane Input

When inputting weight planes, center the rolling wheel of the inner dataset arm with the center of the Desired weight location. Fig.. 5.0

Note: Hunter recommends temporarily placing a piece of the weight at the desired depths into the wheel, make a chalk mark on the wheel profile at the centers on the wheel and then bring the roller wheel to those marks when inputting planes)

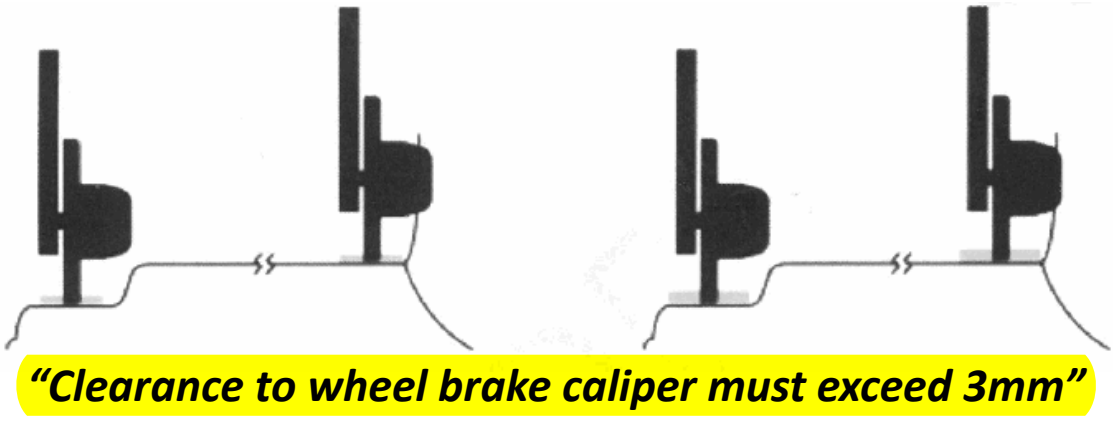

Fig. 5.0

Note: If vehicle received a 4 tire upgrade, place the new tire warranty into the glove box and confirm that the warranty in the glove box matches the spare tire. If it does not match the spare, place the correct tire warranty into the glove box and leave the upgraded tire warranty in the glove box with the original factory warranty; (Only do this if the upgraded warranty does not match the spare tire.

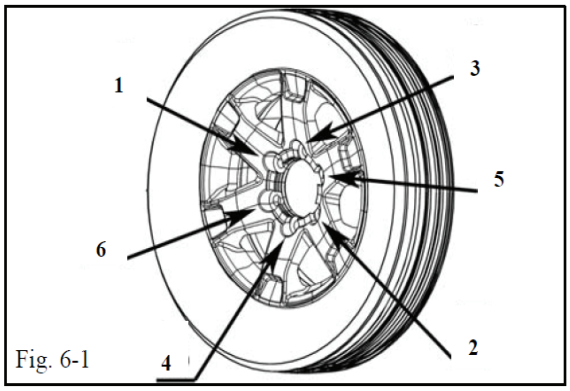

Fig. 6-1

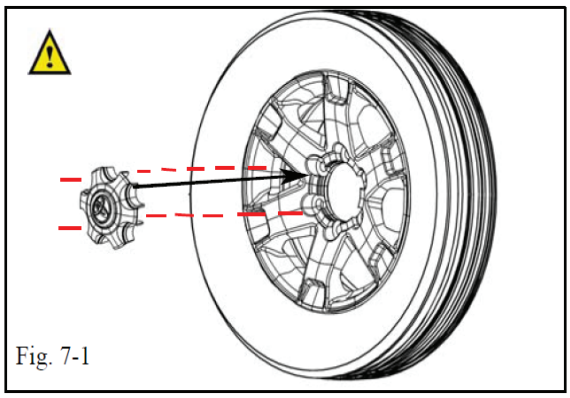
Fig. 7-1

6. Vehicle Wheel / Tire Installation

(a.) Install wheel/tire assembly on vehicle. Hand start the lugnuts during installation. Tighten lugnuts in sequence 1 through 6. Ensure that the socket does not scuff the wheel. Tighten to 83ft. lbs. using a torque wrench. Fig. 6-1

(b.) Lower the vehicle.

(c.) Adjust tire pressure according to new tire pressure label.

7. Center Cap Installation

(a) Align center cap with screw towers and use hex key to tighten the two hex screws. (Fig. 7-1)

8. Install door jamb tire pressure label. (Fig. 8-1)

9. Place the center cap wrench and wheel accent wrench included in the box in the glove box(Fig.9-1)

10. Affix Wheel upgrade labels. (Fig.10-1)

Fig 8-1

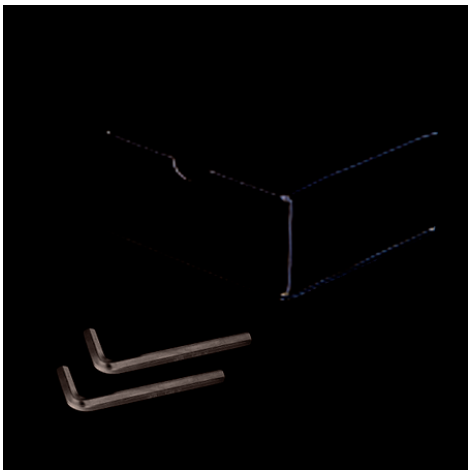
Fig 9-1

Fig 10-1

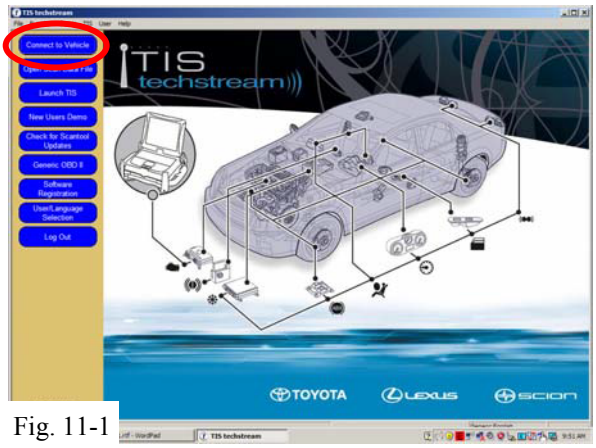

Fig. 11-1

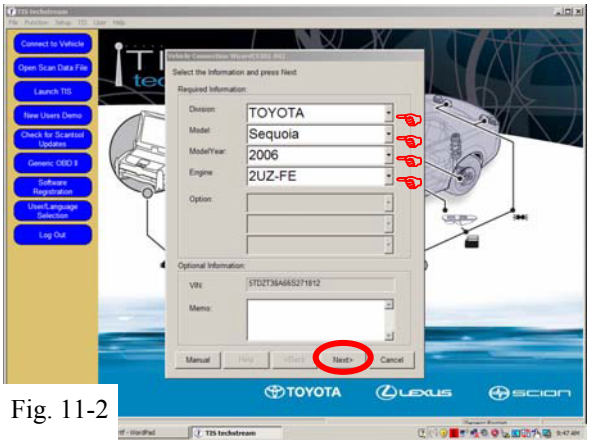

Fig. 11-2

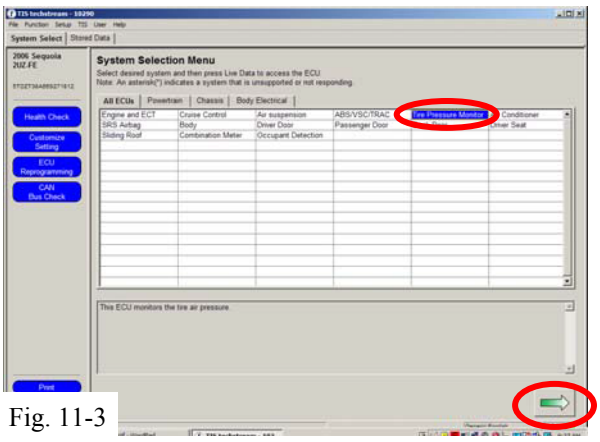

Fig. 11-3

11. TPMS Transmitter ID No. Listing Using Techstream (when replacing Styled steel wheel)

(a) Connect the Techstream to DLC3.

(b) Turn the ignition switch to ON position (do not start the vehicle) then turn the Techstream ON.

(c) Start the Techstream application by clicking on the shortcut located on the Desktop.

(d) Click "Connect to Vehicle" button. (Fig. 11-1)

(e) Confirm that the information displayed on the Vehicle Connection Wizard is correct. If not make the appropriate selections from the Drop Down Menus then click Next. (Fig. 11-2)

(f) Select "Tire Pressure Monitor" Then click the green arrow located on the bottom right. (Fig. 11-3)

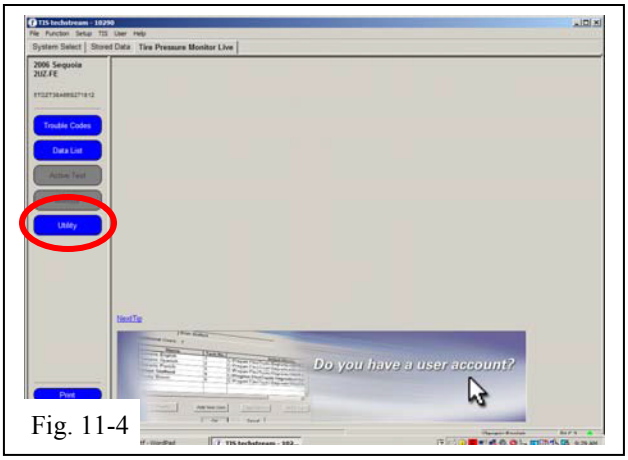

Fig. 11-4

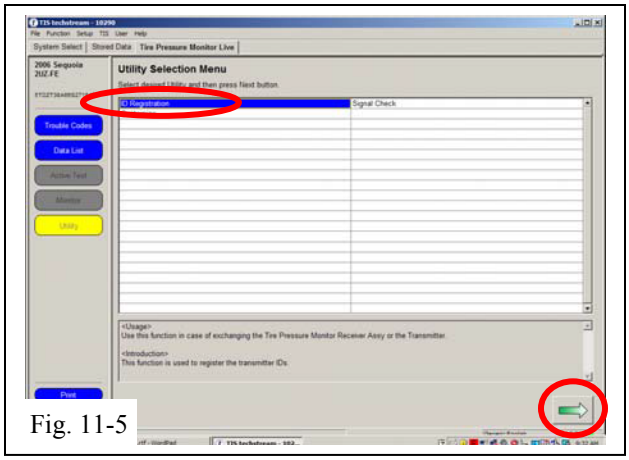

Fig. 11-5

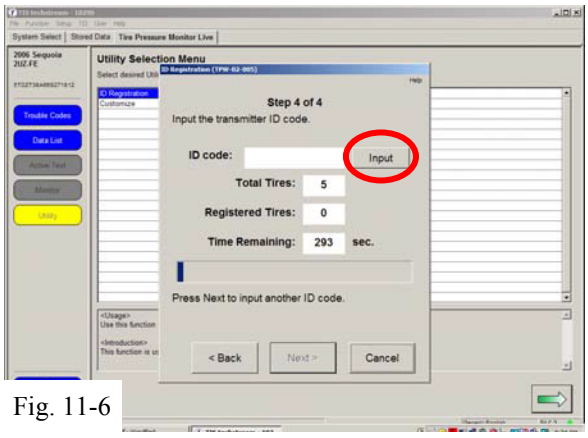

Fig. 11-6

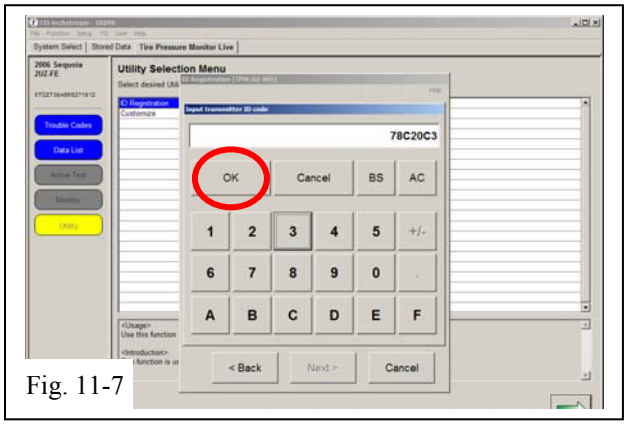

Fig. 11-7

(g) Select "Utility" to begin input of new TPMS ID codes (Fig. 11-4)

(h) Select "ID Registration" then click the green arrow located at the bottom right corner. (Fig. 11-5)

(i) Select "Next" for Steps 1 through 3. Select "Input" in Step 4 to begin TPMS ID registration. (Fig. 11-6)

(j) Input the TPMS ID code then click OK. Repeat the same procedure for all other TPMS ID codes. (Fig. 11-7)

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

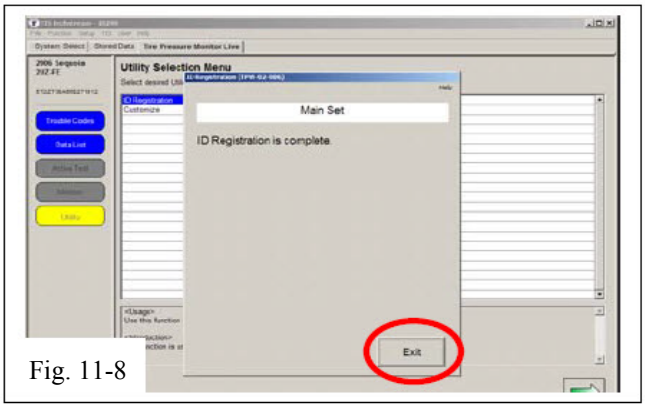

Fig. 11-8

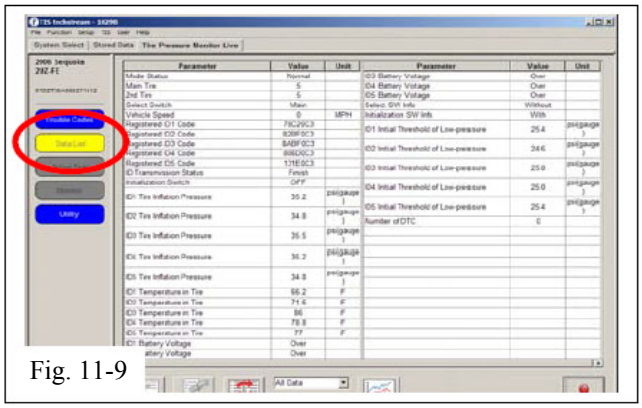
Fig. 11-9

(k.) After all TPMS ID have been registered, click "Exit" to end the registration process. (Fig. 11-8)

(l.) Select "Data List" to view & confirm the TPMS ID has been correctly registered. (Fig. 11-9)

TOYOTA TACOMA **KMC ROCKSTAR 17" WHEEL**

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

Check:	Look For:
Accessory Function Checks	
☐ Inspect lug nuts	Six lug nuts must be installed on each wheel
☐ Label Placement	Tire Pressure and if applicable Wheel Upgrade labels applied in proper location
☐ Lug nut tightness	Tighten to 83 lbf-ft
☐ Tire pressure	New tire pressure label +/-2psi
☐ Center caps	Correctly fitted
☐ Clean wheel & tire	Remove all stickers & marks on tires & wheels
Vehicle Function Checks	
☐ Road test (for dealer installation only)	Excessive noise or wheels out of balance