



Part Number: PTR56-30130 (Front)

PTR56-30131 (Rear)

Kit Contents

Item #	Quantity Req'd.	Description
1	2 per front axle	FRONT Wheel PTR56-30130 19" x 8" x 40mm
2	2 per rear axle	REAR Wheel PTR56-30131 19" x 9" x 50mm

Hardware Bag Contents

Item #	Quantity Req'd.	Description
1	1 per wheel	F-SPORT Center Cap P/N PTR56-30130-AA

Additional Items Required For Installation

Item #	Quantity Req'd.	Description
1 (Required & Sold Separately)	1 per wheel set or 1 per vehicle required	Lug nut Kit w/ Spline Tool & 4 Wheel Locks & Key Tool PTR27-30010 Chrome
2	1 per front wheel	Tire: Bridgestone Potenza RE050A 235/40R19 96Y Summer DT001-30130
3	1 per rear wheel	Tire: Bridgestone Potenza RE050A 265/35R19 94Y Summer DT001-30131
4	As needed	TPMS 20-degree angle Consult EPC or MicroCAT to verify P/N for model and year.
5	As needed	Low-Profile, Lead-Free Balance Weights 3M TN-4023 (or equivalent) Stick-on Type
6	1	Tire Pressure Door Jamb Label MDC # 00602-30130
7	1	Owner's Manual Label MDC # 00602-35062
8	1	PPO Vinyl Pouch PT276-06999 DIO Vinyl Pouch 00602-06999
9	1	Lug Nut Spare Tire Label MDC # 00602-00500

Conflicts

All AWD, F (GS F & RC F) & Hybrid models.

General Applicability

2013- GS RWD
2015- RC RWD

Vehicle Service Parts (May be required for reassembly)

Item #	Quantity Req'd.	Description
1	0-4 as needed	Valve Stem Grommet Fit Kit (if required) P/N 04423 -0E010 or -33030
2	0 - 4 as needed	20° TPMS Consult EPC or MicroCAT
3	0 - 4 as needed	Valve Stem Cap 90942-05037

Recommended Tools

Personal & Vehicle Protection	Notes
Safety Glasses	
Seat Protection	Blanket
Special Tools	Notes
Tire Changing Machine	Hunter TC3200 or equiv.
4 External Rubber Clamp Jaws	Hunter RP6-8659 or equiv.
Wheel Balancing Machine	Hunter GSP9700 or equiv.
Centering Cone	Hunter BACK-SIDE collet 192-52-2 or equiv.
Wing Nut	Hunter 76-371-3 or equiv.
Protector Sleeve	Hunter 106-82-2 or equiv.
4.5" Cup w/ Sleeve	Hunter 175-353-1 or equiv.
Foot Brake Application Tool	Snap-on B240A or equiv.
Lexus Diagnostic Tester or Techstream Device	Software Version 13.2a or newer required.
Tire Press. Warning System	00002-TTPWS or equiv.
Installation Tools	Notes
Lug Nut Wrench	21 mm wrench flat
Rubber Mallet	Clean Lint-free Cloth
Torque Wrench	20-150 ft-lbf (27-204 N-m)
Torque Wrench	30-150 in-lbf (3.3-17 N-m)
Ratchets	Air and/or manual, 3/8" or 1/2" drive
Sockets	11mm and 21 mm Deep Well, Thin Wall
4 inch extension	For TPMS torque wrench
Nylon Panel Removal Tool	Toyota SST # 00002-06001-01
Valve Stem Removal Tool	Schraeder Valve Type
Wire Brush	Hand held size
Special Chemicals	Notes
Tire Lube / Paste	Myers or equivalent
Cleaner (for rework of stick on weights if needed)	PPO/DIO : VDC approved cleaner.

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.

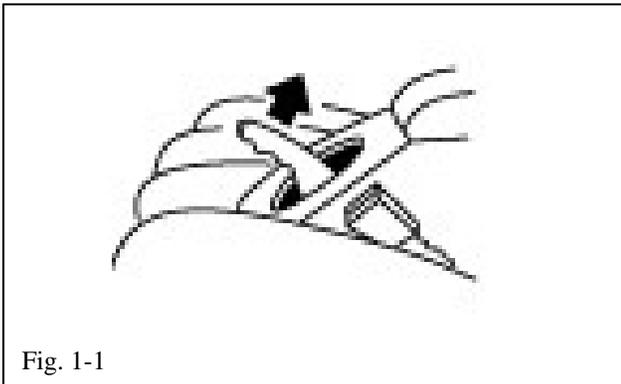
This document covers such items as:

- Vehicle Protection (use of covers and blankets, cleaning chemicals, etc.).
- Safety (eye protection, rechecking torque procedure, etc.).
- Vehicle Disassembly/Reassembly (battery disconnection, connector removal, etc.).

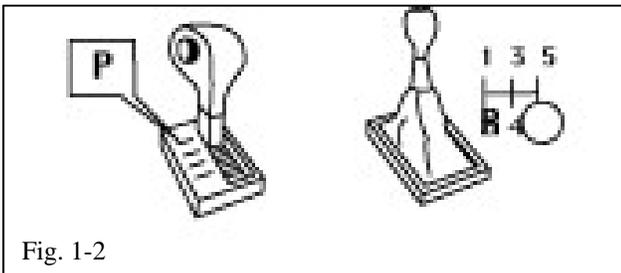
Please see your local dealer for a copy of this document.

1. Prepare the Vehicle.

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



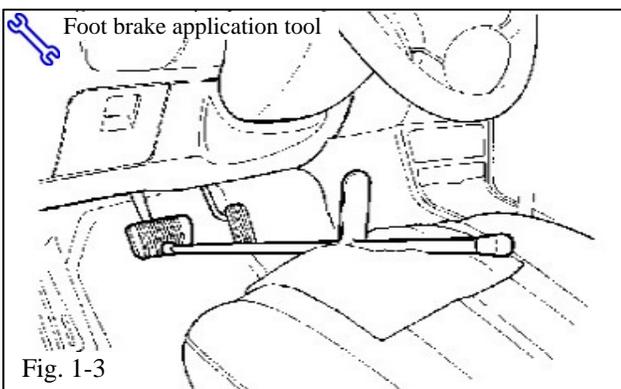
STOP (b) Put automatic transmission in "P". Put manual transmission in "R" (Fig. 1-2).



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

(d) Lift the vehicle.

STOP 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.





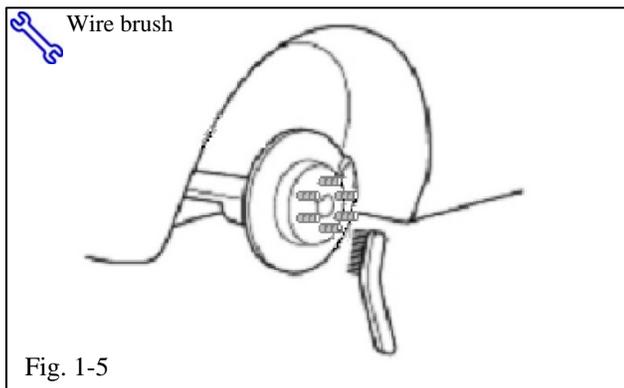
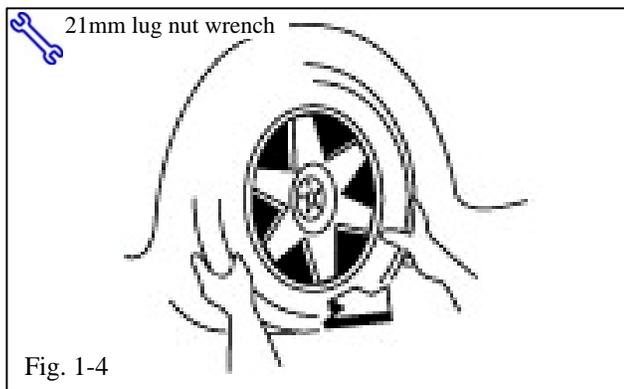
⚠ NOTE: If the tire specified on the front page of the instructions will be reused, continue. If a new tire will be used, skip to Step 2. If pre-balanced tire and wheel assemblies will be installed, skip to Step 6.

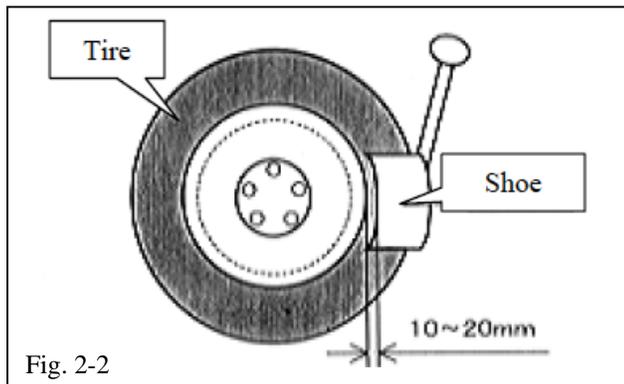
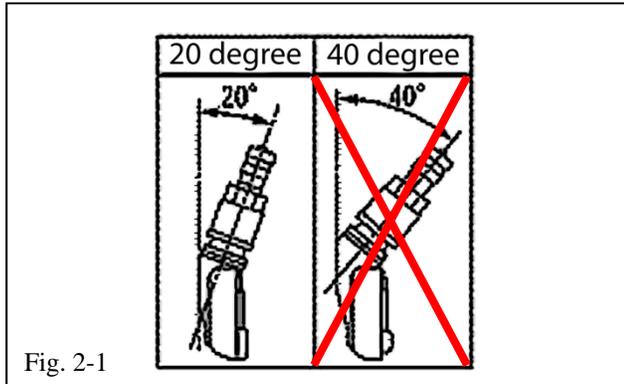
⚠ (e) Mark the tire installation position on the inward facing tire sidewall i.e. Front Right = FR, Front Left = FL, Rear Right = RR, Rear Left = RL.

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

|| (g) Set aside one set (five pcs) of OE lug nuts and place them inside the vinyl pouch.

+ (h) If required, remove any corrosion on the mounting surface of the vehicle with a wire brush (Fig. 1-5). Wear safety glasses to protect against any debris.





2. Remove the Tire Pressure Monitor Valve Subassembly.

⚠ NOTE: If reusing the TPMS sensors they must be 20-degree Tire Pressure Sensors (Fig. 2-1)!

- (a) Remove & retain the valve core and release the air from all four tires.
- (b) Remove & retain the nut and washer and let the pressure sensor drop inside the tire.

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

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/inner side as in the usual tire removal operation.
- (e) Dismount the OE tire from the OE wheel.
- (f) Repeat for all four tires.

3. Install the Tire Pressure Monitor Sensor (TPMS) Subassembly into the Accessory Wheels.

- (a) Check that the wheel valve hole is clean and free of sharp edges or burrs.
- (b) Check that the wheel rim is clean.
- (c) Visually check that no deformation or damage exists on the tire pressure monitor valve subassembly.

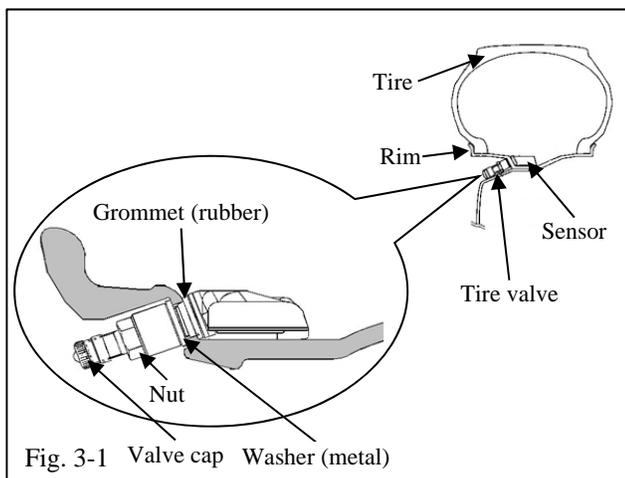


Fig. 3-1 Valve cap Washer (metal)

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

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

(e) Insert the tire pressure monitor valve subassembly into the wheel valve hole from the inside of the rim and bring the valve stem to the outside (Fig. 3-1).

(f) Insert the tire pressure monitor valve subassembly so that the "Manufacturer's" mark is visible.

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

! (g) Install the washer on the outside of the wheel and secure it with the nut.

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

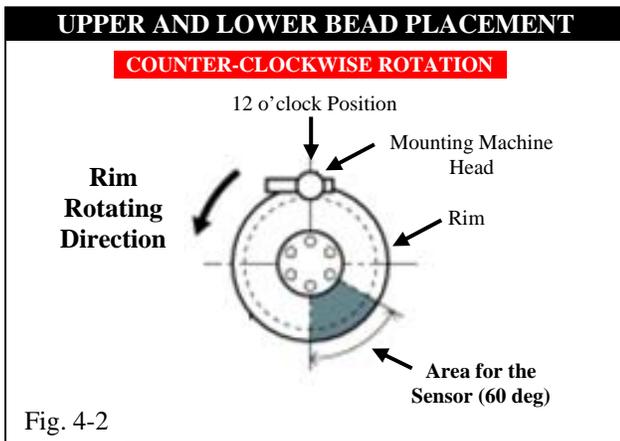
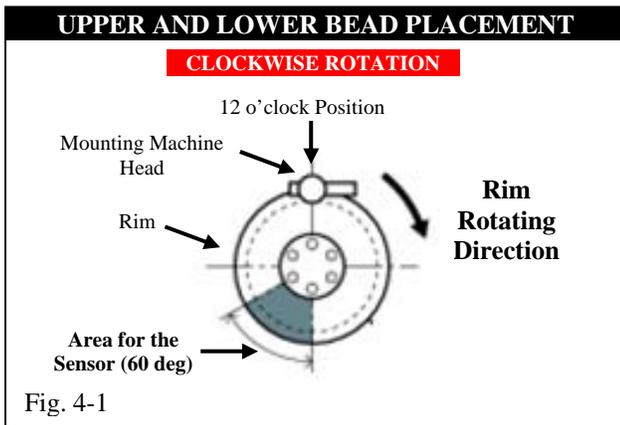
4. Mount the Tires.

! NOTE: If the vehicle came with the tires specified on the front page of the instructions, reuse the tires. If the vehicle is equipped with other size tires, remove and sort them per local regulations.

! IMPORTANT: Confirm the orientation and rolling direction per the sidewall markings!

(a) Remove the tire decals from the tire prior to mounting. Check all tires for direction.

(b) Use only tire lube on the tire beads and bead locations on the 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). The mount/dismount head is considered as 12 o'clock.

(d) Mount the lower tire bead.

STOP 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 ~ 7 o'clock position (shaded area in Fig. 4-1).

(f) Mount the upper tire bead.

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

STOP 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 sensor.

+ (g) To seat the tire beads, inflate the tire beyond 35 PSI, but not more than 40 PSI. If both tire beads are not seated when the pressure registers 40 PSI, deflate the tire and re-inflate it to seat the beads. Regulate the tire pressure to:

STOP FRONT: 35 PSI, REAR: 36 PSI

! **NOTE:** If the OE tires are reused, set the pressures to the OE settings, as shown on the OE door jamb tire pressure label.

(h) Be sure to **recheck the torque** on the TPMS nuts.

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

(i) Install the valve stem caps by hand.



5. Balance the Wheels.

⚠ NOTE: Application temperature for stick-on type weight is above 50°F (10°C). It is good practice to apply the stick-on type weights in sections comprised of 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 weight, use VDC-approved cleaner as needed to clean the weight mounting location on the wheel, then wipe it down with a clean, dry, lint-free cloth. Ensure that the location is clean and dry.

(b) Mount the wheel/tire on the wheel balance machine and balance in DYNAMIC MODE. Enable the LOAD ROLLER, if applicable, to ensure proper bead seating. Use clip-type balance weights at the outer location (Fig. 5-1 & Fig. 5-2). Use a rubber mallet, if required, to achieve complete adhesion of stick-on type weight(s).

⚠ NOTE: Weights should be no taller than 4 ~ 5 mm in height.

⚠ NOTE: The maximum allowable weight is 100 g (3.5 oz.) on the inner plane and 100 g (3.5 oz.) on the outer plane. If removal and replacement of stick-on type weight is necessary, remove the weight using a nylon removal tool. Clean the surface with a clean cloth using a locally approved cleaning solution. Wipe the surface dry before re-applying new weight(s). **DO NOT RE-USE STICK-ON WEIGHTS.**

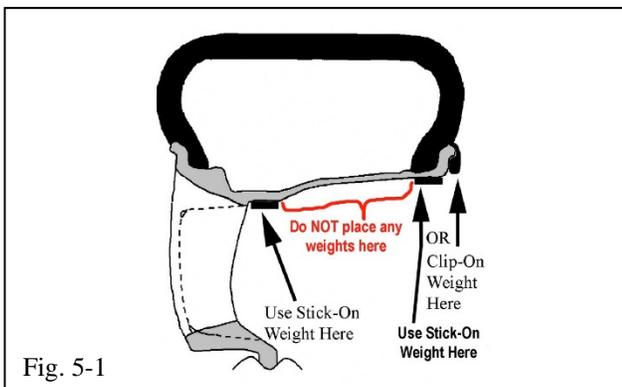


Fig. 5-1

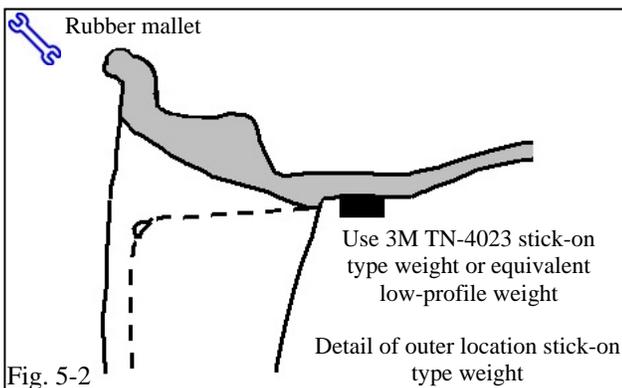


Fig. 5-2



- (c) Re-spin the wheel on the machine with the LOAD ROLLER DISABLED (if applicable) and note the indicated remaining unbalance. The maximum permitted unbalance is 6 g (0.21 oz.) at the inner location and 6 g (0.21 oz.) at the outer location. If the indicated unbalance is not within the permissible limit, add required additional balance weights, within specification, and re-spin the tire/wheel assembly

6. Record the Tire Identification Numbers (TIN).

⚠ PPO Only – Record ALL Tire Identification Numbers (TINs) from the new tires installed (Fig. 6-1).

⚠ DIO Only – Record ALL Tire Identification Numbers (TINs) from the new tires installed (Fig. 6-1).



Fig. 6-1

7. Install the Center Caps.

STOP IMPORTANT! Be sure to install the center caps **BEFORE** installing the wheels onto the vehicle!

⚠ (a) Install the caps into the wheels as shown in Fig. 7-1. Be sure to orient the F-Sport text relative to the valve hole as shown.

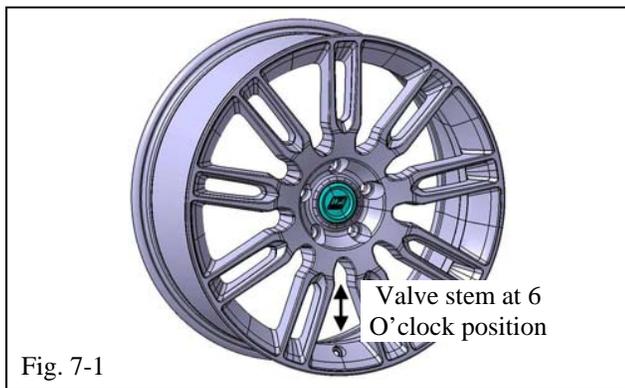


Fig. 7-1

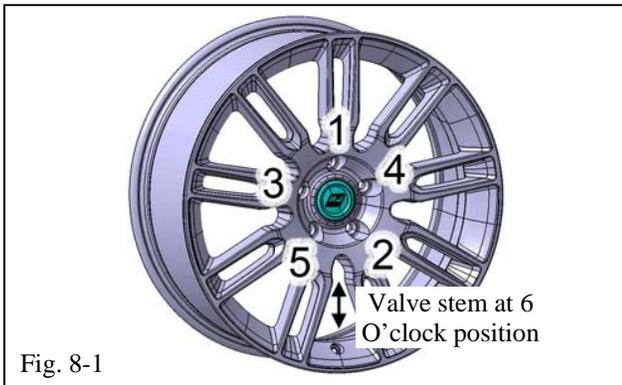


Fig. 8-1

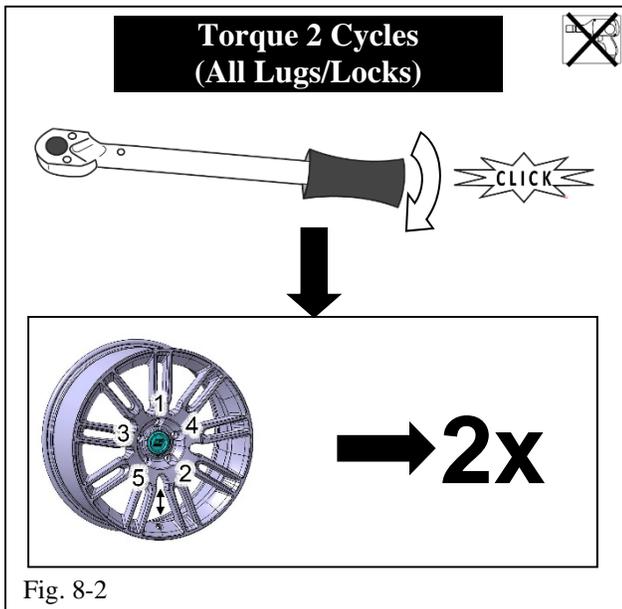


Fig. 8-2

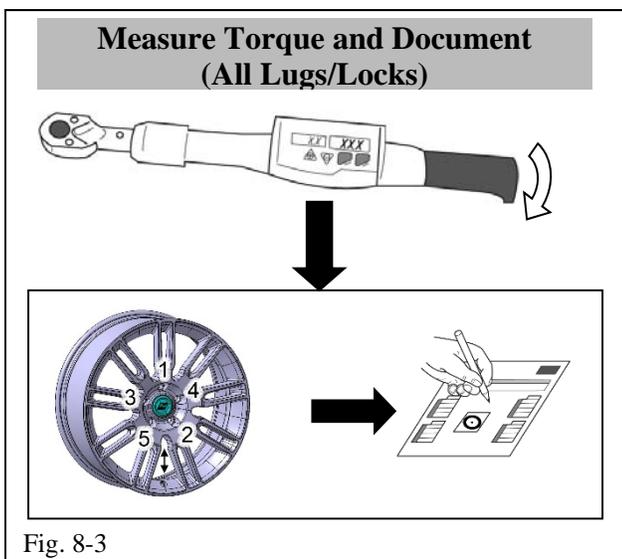


Fig. 8-3

8. Install the Wheels / Tires on the Vehicle.

! (a) Install the wheel/tire assemblies onto the vehicle. Hand start the provided lug nuts. Install one wheel lock per wheel (not including the spare) at the number 1 position, opposite the valve stem (Fig. 8-1).

(b) Tighten the lug nuts in sequence 1 through 5 (Fig. 8-2). Ensure that the socket does not scuff the wheels. Tighten to 76 ft-lbf (103 N-m) using a torque wrench.

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

(c) Re-torque all lug nuts in the same 1-5 sequence (Fig. 8-2).

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

STOP **CAUTION: DO NOT USE AN IMPACT WRENCH TO INSTALL OR REMOVE WHEEL LOCKS.**

(d) 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. 8-3) (PPO installation only, does not apply to DIO installation).



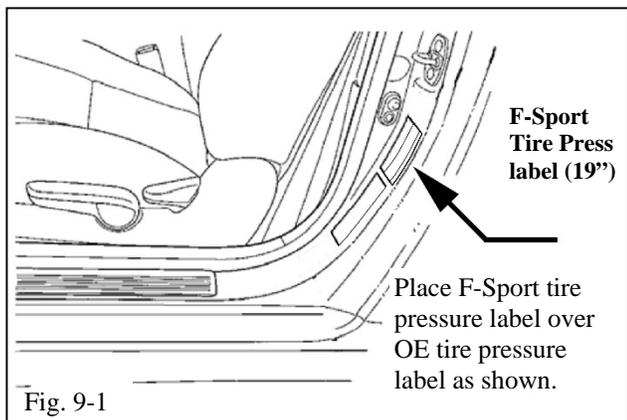
9. Place the Tire Pressure Labels.

⚠ NOTE: This step is not required when reusing the OE tires.

(a) Clean the surface and a small area around the OE tire pressure label located on the driver's side door jamb.

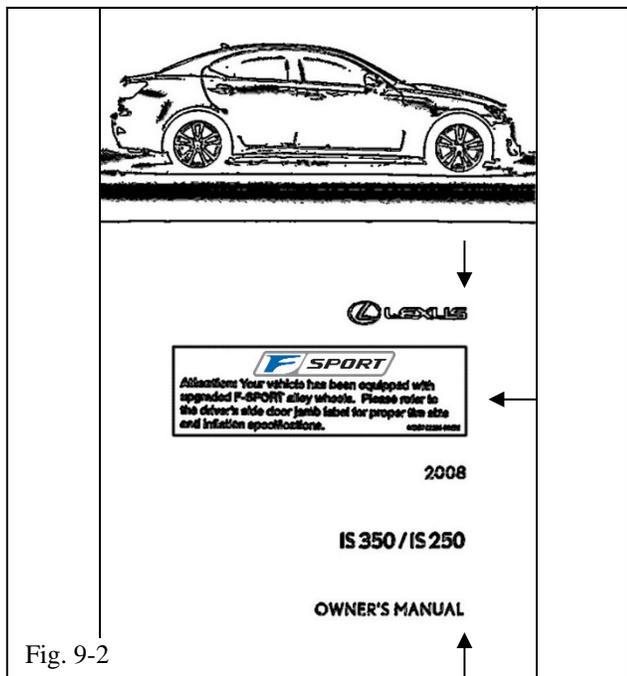
(b) Affix the F-Sport 19-inch tire pressure label (MDC P/N **00602-30130**) directly over the OE tire pressure label (Fig. 9-1).

⚠ NOTE: Do NOT cover any cargo or passenger capacity text.



(c) Install the Owner's Manual Label (MDC P/N **00602-35062**) onto the front cover of the owner's manual (Fig. 9-2). Line up the right side of the label with the text stack as shown by the arrows in Fig. 9-2. Center the label vertically between LEXUS & year text.

⚠ NOTE: Be sure NOT to cover any existing text or information.





10. Register the TPMS Transmitter IDs Using Techstream.

- (a) Connect the Techstream to DLC3.
- (b) Turn/toggle the ignition switch to the 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. 10-1).



Fig. 10-1

- (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. 10-2).

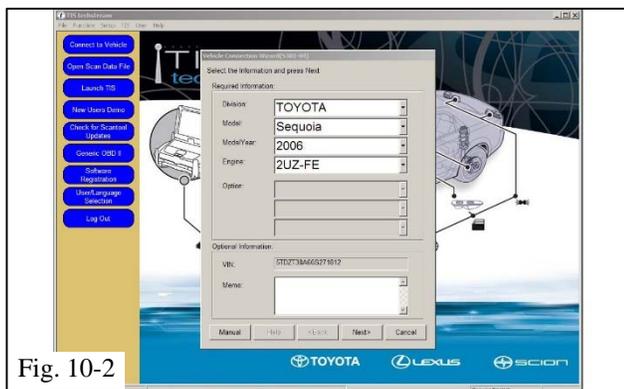


Fig. 10-2

- (f) Select **“Tire Pressure Monitor”**, then click the green arrow located on the bottom right (Fig. 10-3).

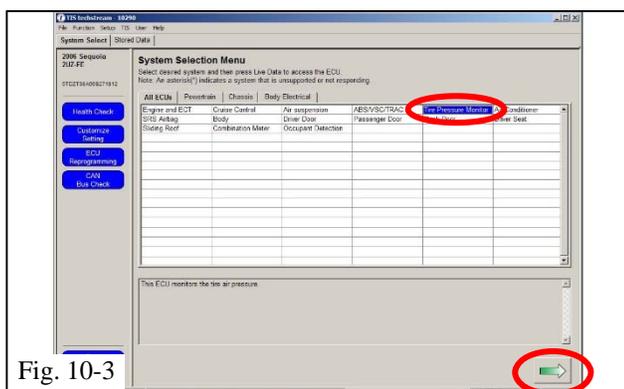


Fig. 10-3

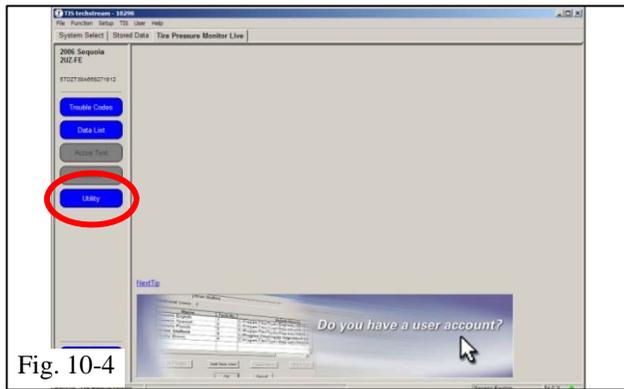


Fig. 10-4

(g) Select “UTILITY” to begin input of new TPMS ID codes (Fig. 10-4).

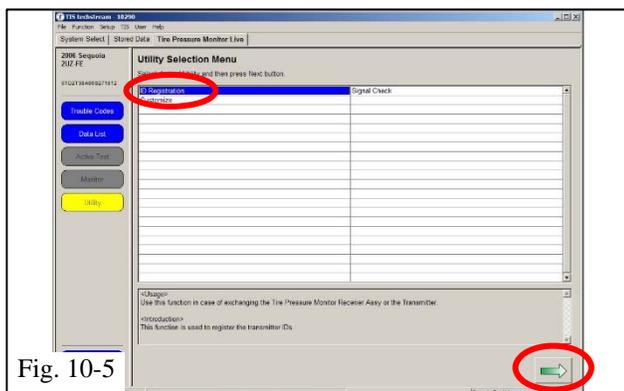


Fig. 10-5

(h) Select “ID Registration” then click the green arrow located at the bottom right corner (Fig. 10-5).

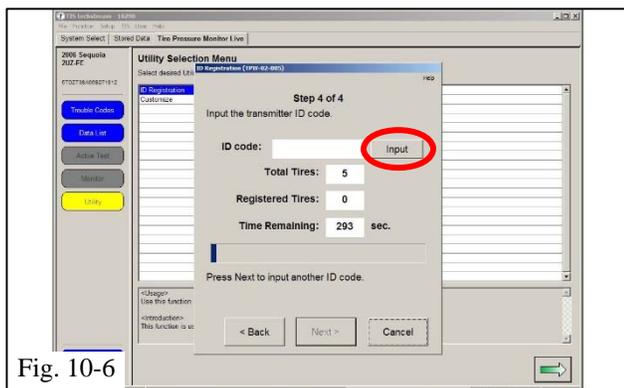


Fig. 10-6

(i) Select “Next” for Steps 1 through 3. Select “Input” in Step 4 to begin TPMS ID registration (Fig. 10-6).

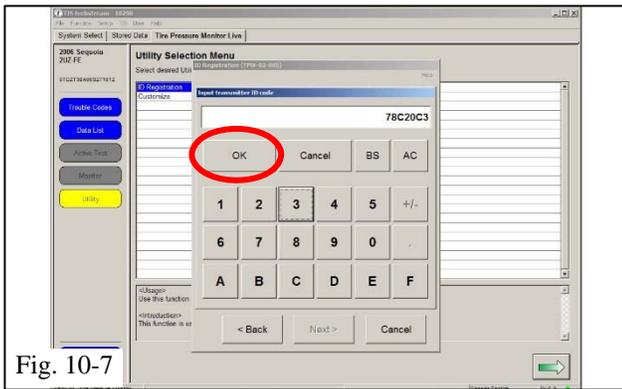


Fig. 10-7

- (j) Input the TPMS ID code then click “OK”
Repeat the same procedure for all other TPMS ID codes (Fig. 10-7).

NOTE: If this process is not completed within 5 minutes, the transmitter will return to normal operation mode and process will need to be started over at Step 10(g).

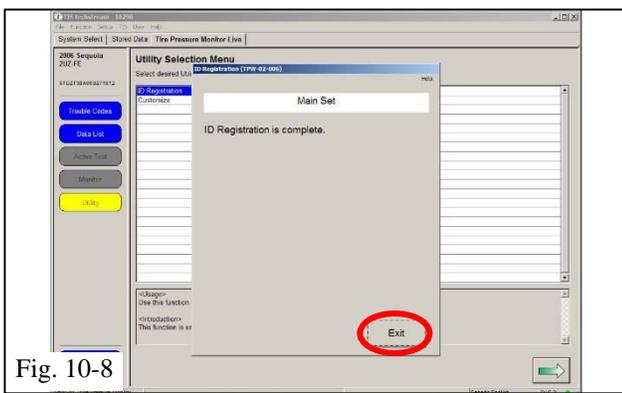


Fig. 10-8

- (k) After all of the TPMS ID numbers have been registered, “ID Registration is complete” text should be displayed. Click “Exit” to finish the registration process (Fig. 10-8).

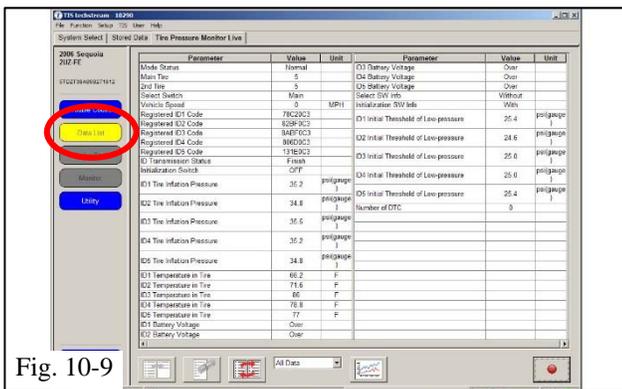


Fig. 10-9

- (l) Select “DATA LIST” to view and confirm the TPMS ID numbers have been correctly registered (Fig. 10-9).

11. Dispose of the OE Tire & Wheel Assembly.

PPO: All take-off wheels get salvaged according to local regulations or per prior arrangement made by the Port Facility.

DIO: Sort product properly according to local regulations.



12. Place the Lug Nut Tool.

- (a) Affix the yellow lug nut spare tire label to the vinyl pouch, below the red writing.
- (b) Place the spline-drive lug nut tool, lock key tool, lock instruction card, and set of OE lug nuts into the vinyl pouch (PPO# PT276-06999 / DIO# 00602-06999) and place the pouch in a secure location near or around the spare tire in the cargo area. Place all other associated wheel lock paperwork in the vehicle glove compartment.



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

Check:

-  Inspect Lug Nuts & Torque
-  TPMS Torque
- Record Lug & Lock Torque
- Center Caps
- Tire Pressure Labels
-  Correct Tire Pressure
- Driver Instrument Panel
- Record TIN
- Lug Nut Tool & Lock Placement

Look For:

Verify that five lug nuts/locks are installed on each wheel and the wheel lock is in the correct position. Torque must be **76 ft-lbf (103 N-m)**.

TPMS nut must be torqued to **36 in-lbf (4.0 N-m)**.

Measure the torque of each lug/lock on all wheels and record it on the Torque Audit Sheet (PPO installation only, does not apply to DIO installation).

Verify center caps are securely in place on all four wheels & oriented correctly.

Verify Tire Pressure Label and Owner's Manual Labels are in place.

Verify tire pressure is set to the value specified on the Tire Pressure Label.

Verify "TPMS warning light" is not ON.

PPO: Ensure all **4** accessory Tire Identification Numbers are recorded with the Vehicle Identification Number on the F-Sport_GS_19in_Tire_ID_Numbers_RevA.xls sheet and/or electronic Port/VDC recording system. Refer to the **CAD PPO Bulletin** as needed.

DIO: Provide the tire information to your tire vendor as required by law.

Verify the Lug Nut Tool & Wheel Lock Key are in the appropriate location in the vehicle and the associated paperwork is placed into the vehicle glove compartment.

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.)