



GENUINE PARTS

INSTALLATION INSTRUCTIONS

DESCRIPTION: Aluminum Alloy Wheel - 17 x 7.5 J (30)

APPLICATION: Frontier

PART NUMBER: T99W1 9BU3K

KIT CONTENTS:

Item	Qty.	Part Description	Service Part Number
A	1	Disc - Wheel, AL	40300 9BU3K
B	1	Valve Stem Assembly	40770 6RA0A
C	1	Installation Instruction Replacement Template	999V2 AW000

TOOLS REQUIRED:

- Torque Wrench (100 ft-lbs)
- Tire Changer
- 21 mm Socket and Wrench
- Torx #10 socket/bit
- Wheel Balancer
- Balance Weights

PRE-INSTALLATION WARNINGS, CAUTIONS, CRITICAL STEPS, and NOTES:

WARNING

- After installation, check for tire clearance and interference between the body and/or suspension parts. Do not drive the vehicle if interference is found. Tire interference could cause tire failure and lead to an accident and serious injury.
- Failure to apply the proper torque to the lug nuts could cause wheel separation and lead to an accident and serious injury. Re-torque lug nuts to the specified value after 25 miles of driving.

CAUTION

- Follow the attached instructions for TPMS sensor re-installation.
- Use only the recommended tire size, 265/70R17 for this alloy wheel.
- See the tire and loading information label (tire placard) for the recommended COLD tire air pressure.
- The original equipment wheel nuts, TPMS sensors and center caps should be used on the new accessory wheels.
- If replacement parts are needed, please obtain the following part numbers:
Wheel nuts P/N 40224 ZP50B, TPMS sensor P/N 40700 6UA0A and valve stem assembly P/N 40770 6RA0A.
- For additional tire information, see owner's manual.
- Balance the alloy wheel and tire assembly.
- Place the maintenance instructions in the glove compartment.

INSTALLATION PROCEDURE: Aluminum Alloy Wheel

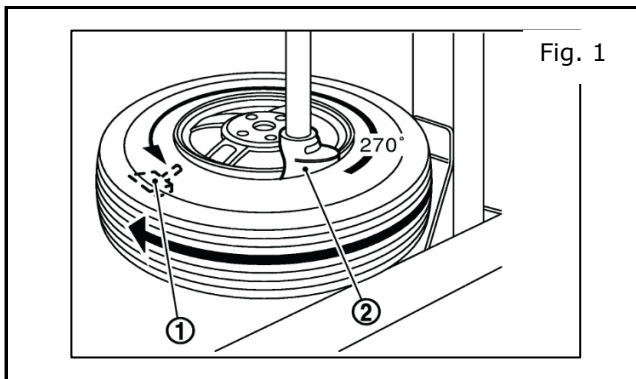
Note: Handle wheels carefully and do not scratch the decorative surface of the wheel.

- 1) Apply parking brake, chock wheels and raise the vehicle. Shift the automatic transmission into P (Park) or the manual transmission into R (Reverse).
- 2) Remove the original wheels and tires from the vehicle.
- 3) Remove valve cap, valve core, and then deflate tire.
- 4) Use tire changer to disengage tire beads.
- 5) If vehicle is equipped with the Tire Pressure Monitor System, follow the directions below.

⚠ CAUTION

Be sure not to damage road wheel or tire pressure sensor.

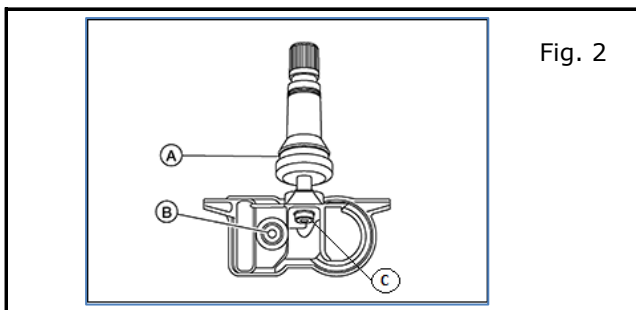
- 6) Apply bead cream or an equivalent to tire beads.



- 7) Carefully lift tire onto turn-table and position valve hole (and tire pressure sensor) 270° from mounting/dismounting head (2). See Fig. 1.

⚠ CAUTION

Be sure not to damage the road wheel and tire pressure sensor.

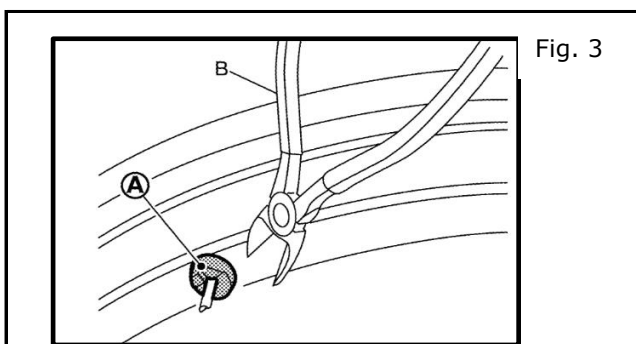


- 8) a) Unscrew Torx bolt (C) using Torx #10 socket/bit. See Fig. 2.

⚠ CAUTION

Be sure not to damage the tire pressure sensor.

- b) Remove tire pressure sensor (B) from valve stem assembly (A). See Fig. 2

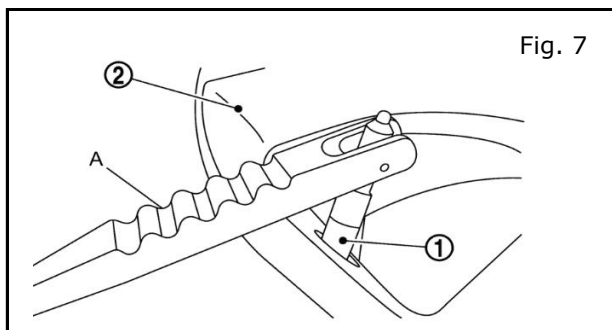
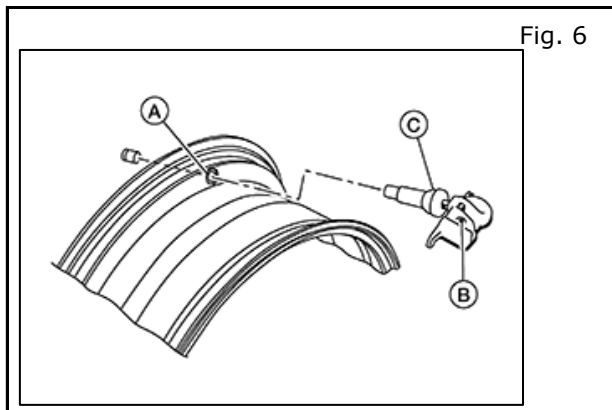
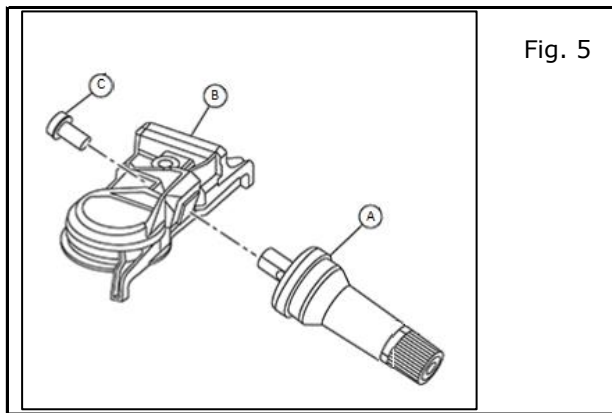
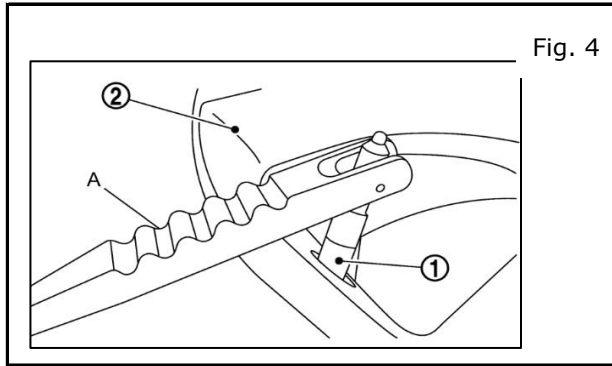


- 9) Cut part (A) of valve stem assembly, using plier cutters (B). See Fig. 3.

⚠ CAUTION

Be sure not to damage the road wheel.

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⚠ CAUTION

Be sure not to damage road wheel.

- 10) Remove valve stem assembly (1) from OE road wheel (2) by using valve inserter/remover (A). See Fig. 4.

⚠ CAUTION

Never reuse valve stem assembly.

⚠ CAUTION

Be sure not to damage the tire pressure sensor.

- 11) Insert valve stem assembly (A) (included in kit) to sensor body (B). See Fig. 5.
- 12) Insert Torx bolt (C) on opposite side of sensor body (B) and screw down with Torx #10 socket/bit applying torque of 1.4 Nm +/- 0.1 Nm. See Fig. 5.

⚠ CAUTION

Be sure not to damage the tire pressure sensor.

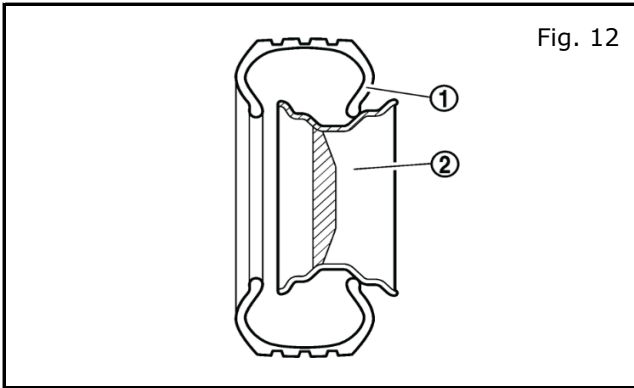
- 13) Remove valve cap from the sensor body/valve stem assembly (B) & (C). See Fig. 6.
- 14) Position the sensor body/valve stem assembly (B) & (C) in the valve hole of the accessory wheel (A). See Fig. 6.

⚠ CAUTION

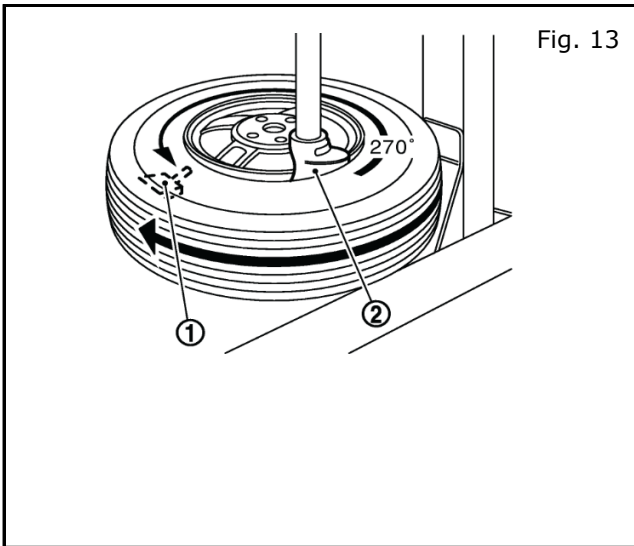
- 15) Install sensor body/valve stem assembly (1) to accessory wheel (2) by using valve inserter/remover (A). See Fig. 7.

- **Be sure not to damage accessory wheel.**
- **Insert valve all the way through wheel valve hole.**
- **Check that valve contacts horizontally with road wheel.**

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- 16) Apply bead cream or an equivalent to tire beads.
See Fig. 12.
- 17) Install the tire inside beads (1) onto road wheel (2).
See Fig. 12.



- 18) Set tire onto turntable so that tire changer arm (2) is at a position approximately 270 degrees from the tire pressure sensor. See Fig. 13.

⚠ CAUTION

Be sure that the arm does not contact the tire pressure sensor.

- 19) Install the tire outer side beads onto the road wheel

⚠ CAUTION

When installing, check that the tire does not turn together with the road wheel.

- 20) Using a tire changer, mount the recommended tires on the new alloy wheels with the outboard sidewall facing the same direction as the wheels' outward surface.
- 21) Inflate the tires to the specified COLD air pressure.
- 22) Balance the wheel and tire assemblies per vehicle Service Manual, Wheel and Tire Assembly Section, Wheel Balance Adjustment (Use only adhesive balance weights).
- 23) Inspect the vehicle hub and studs for any damage and repair or replace any damaged components. Remove any corrosion that would cause mounting misalignment.
- 24) Check tires to determine if a rotational direction or mounting orientation is specified.
- 25) Mount the wheel and tire assembly on the vehicle.

Note: If the sensors are not returned to the correct location, or if new sensors are installed, the system must be re-initialized. A trained technician should perform this procedure per the vehicle Service Manual.

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Note: If a rotational direction is specified, ensure that the tire rotates in that direction when mounted on the vehicle.

- 26) Install the lug nuts hand-tight. Progressively tighten the lug nuts alternately and evenly in a crossing pattern similar to the sequence shown in Figure 1. Use a calibrated torque wrench. Do not use lubricant of any type on the lug nut or wheel nut seat surfaces.

Tightening torque	98 ft-lbs (133 Nm)
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- 27) Install the center caps.
28) Wipe off any dust and finger marks, and clean the decorative surface.
29) Re-torque lug nuts to the specified value after 25 miles of driving.

Figure 1: Tightening Sequence

