



GENUINE PARTS

INSTALLATION INSTRUCTIONS

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

APPLICATION: Frontier

PART NUMBER: T99W1 9BU1K

KIT CONTENTS:

Item	Qty.	Part Description	Service Part Number
A	1	Disc - Wheel, AL	40300 9BU1K
B	1	Ornam - Disc Wheel	N/A
C	1	Valve Stem Assembly	40770 6RA0A
D	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, 265/65R17 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 and TPMS sensors 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

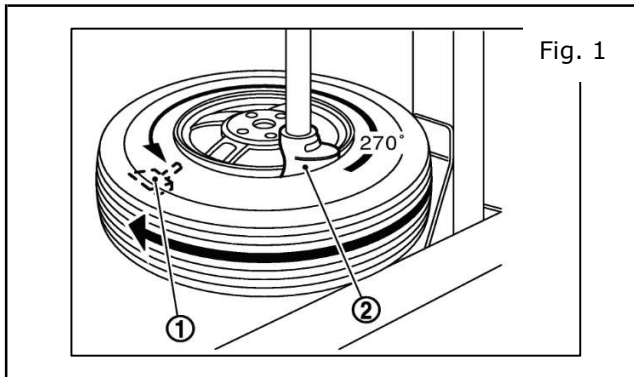
Note: Handle wheels carefully and do not scratch the decorative surface of the wheel.

- 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.

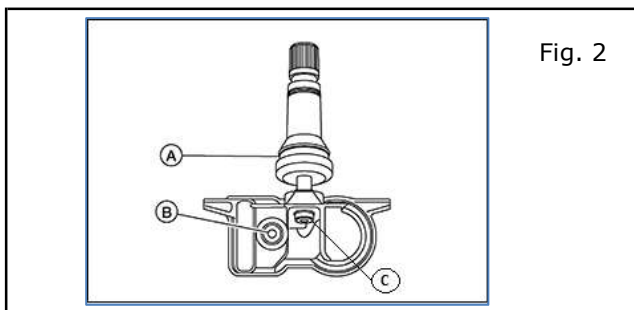
- 6) Apply bead cream or an equivalent to tire beads.



- 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.

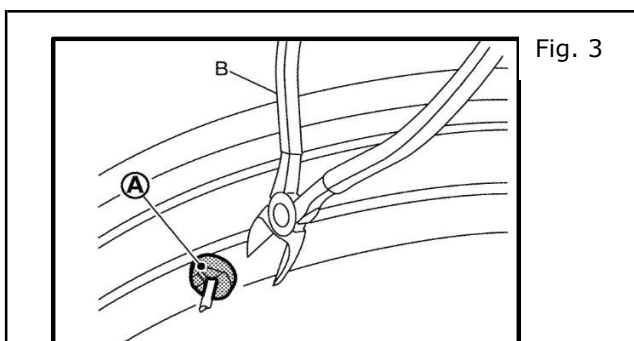


- 8) a) Unscrew Torx bolt (C) using Torx #10 socket/bit. See Fig. 2.

⚠ CAUTION

Be sure not to damage the tire pressure sensor.

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

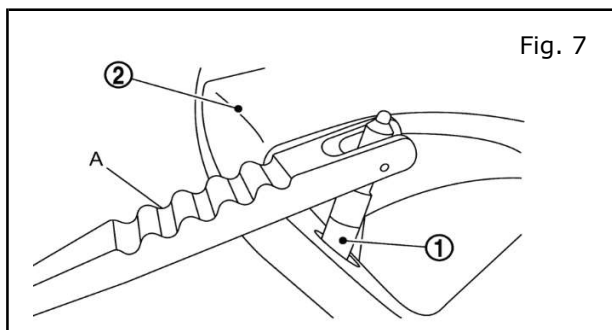
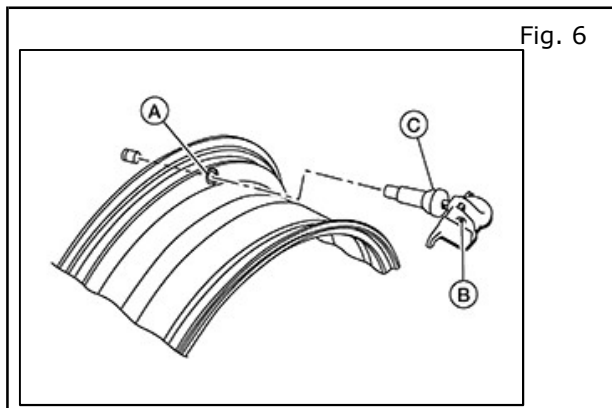
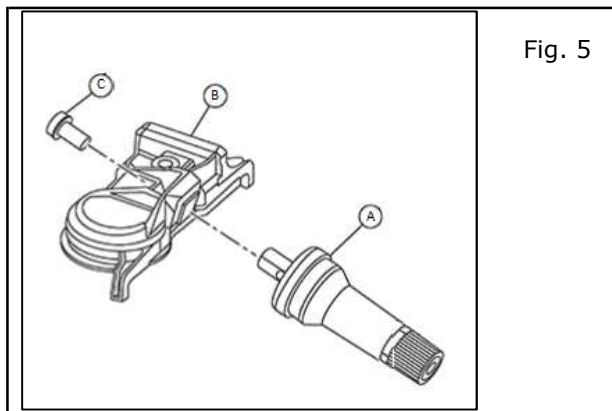
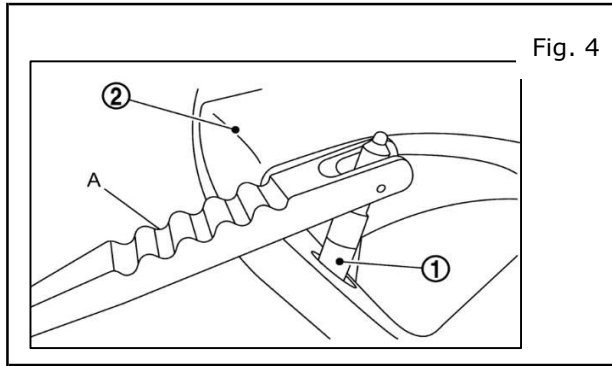


- 9) Cut part (A) of valve stem assembly, using plier cutters (B). See Fig. 3.

⚠ CAUTION

Be sure not to damage the road wheel.

INSTALLATION PROCEDURE: Aluminum Alloy Wheel



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.

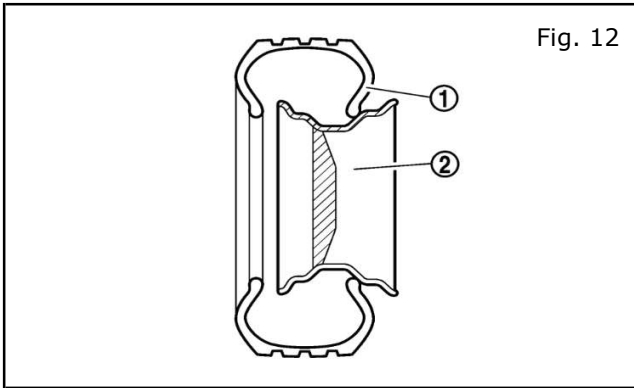
- 13) Remove valve cap from the sensor body/valve stem assembly (B) & (C). See Fig. 6.
- 14) Position the sensor body/valve stem assembly (B) & (C) in the valve hole of the accessory wheel (A). See Fig. 6.

CAUTION

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

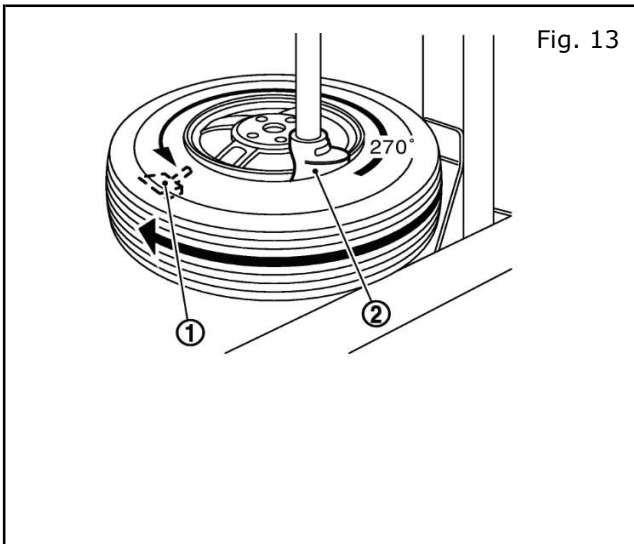
- **Be sure not to damage accessory wheel.**
- **Insert valve all the way through wheel valve hole.**
- **Check that valve contacts horizontally with road wheel.**

INSTALLATION PROCEDURE: Aluminum Alloy Wheel



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.

INSTALLATION PROCEDURE: Aluminum Alloy Wheel

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)
--------------------------	---------------------------

- 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

