



GENUINE PARTS

INSTALLATION INSTRUCTIONS

DESCRIPTION: Aluminum Alloy Wheel - 17 x 7.5 J (50)

APPLICATION: Altima

PART NUMBER: T99W1 6CA9A

KIT CONTENTS:

Item	Qty.	Part Description	Part Number
A	1	Disc - Wheel, AL	40300 6CA9A
B	1	Ornam - Disc Wheel	N/A
C	1	Valve Assembly	40770 4CB0A
D	1	Installation Instruction Replacement Template	999V2 AW000
E	0	Maintenance Instructions (for assist)	40300 6CA9AMI
F	0	Installation Instructions (for assist)	40300 6CA9AII

TOOLS REQUIRED:

- Torque Wrench (100 ft-lbs)
- Tire Changer
- 21 mm Socket and Wrench
- 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, P215/55R17 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 ZN50A, TPMS sensor P/N 40700 4CB0B and valve stem 40770 4CB0A.
- 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

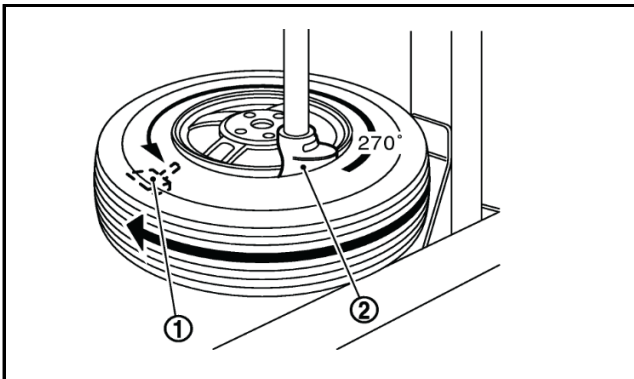
Note: Handle wheels carefully and do not scratch the decorative surface of the wheel.

- 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) If vehicle is equipped with the Tire Pressure Monitor System, follow the directions below.
- 4) Remove valve cap, valve core, and then deflate tire.
- 5) Use tire changer to disengage tire beads.

⚠ CAUTION

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

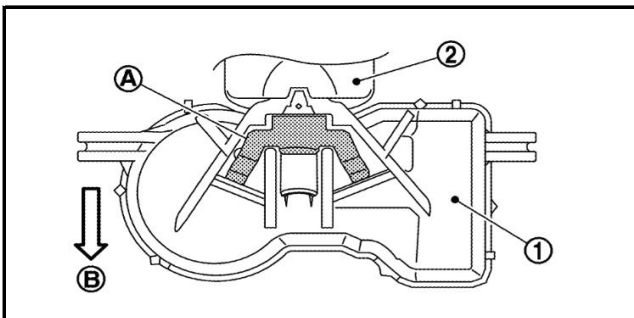
- 6) Apply bead cream or an equivalent to tire beads.



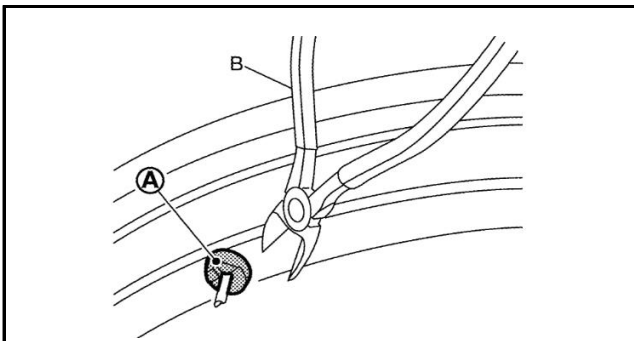
- 7) Turn tire so that valve hole is at bottom and bounce so that tire pressure sensor (1) is near valve hole. Carefully lift tire onto turn-table and position valve hole (and tire pressure sensor) 270° from mounting/dismounting head (2).

⚠ CAUTION

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



- 8) Remove tire pressure sensor (1), follow procedure below.
 - a) Press stopper (A) until unlocked.
 - b) Remove tire pressure sensor from valve (2) in direction (B).



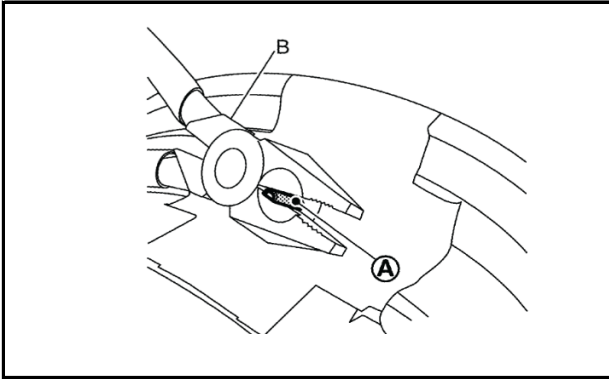
- 9) Cut part (A) of valve, using plier cutters (B).

⚠ CAUTION

Be sure not to damage the road wheel.

- 10) Turn valve of 180° using valve inserter.

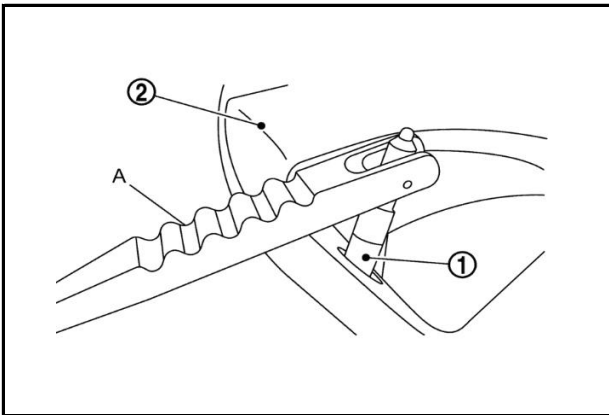
INSTALLATION PROCEDURE: Aluminum Alloy Wheel



- 11) Cut roll pin (A) of valve, using pliers (B).

CAUTION

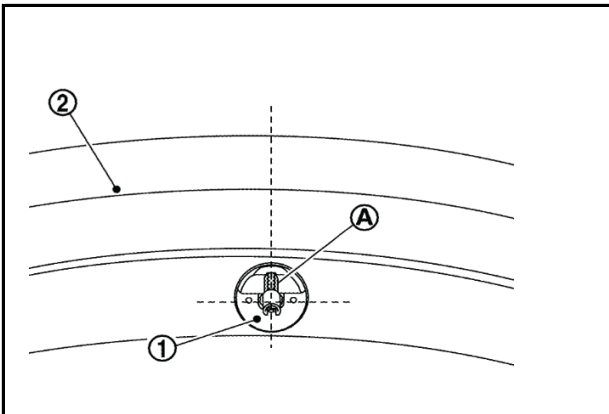
Be sure not to damage road wheel.



- 12) Remove valve (1) from road wheel (2), using valve inserter (A).

CAUTION

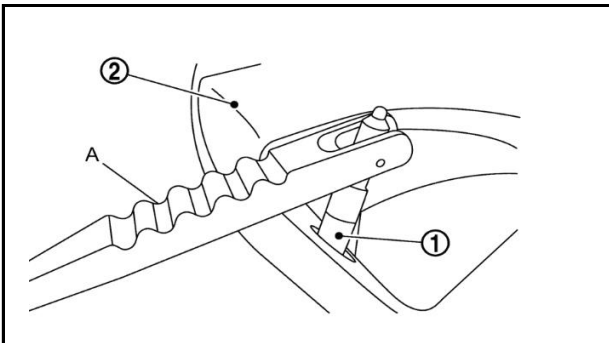
Be sure not to damage road wheel.



- 13) Install valve, follow procedure below.
a) Set valve to road wheel.

CAUTION

- Never reuse valve.
- Check valve (1) direction, part (A) of valve must be at 12 o'clock to rim of road wheel (2).

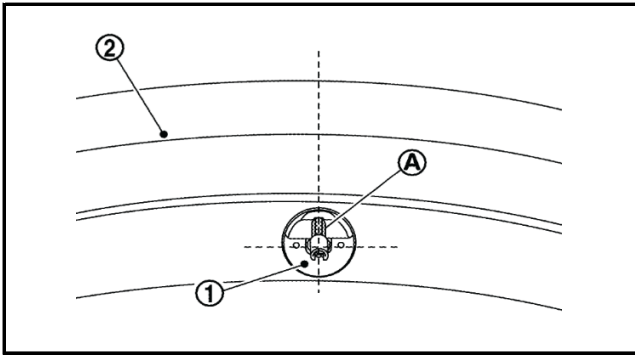


- b) Install valve (1) to road wheel (2), using valve inserter (A).

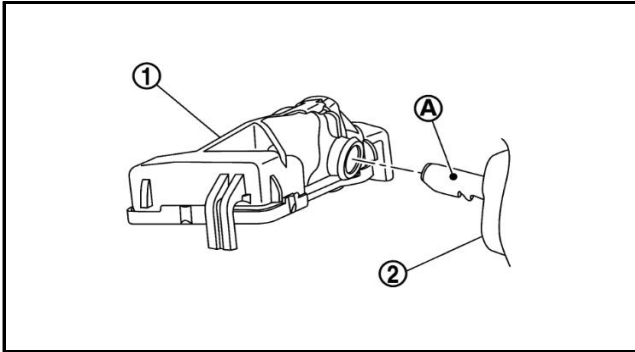
CAUTION

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

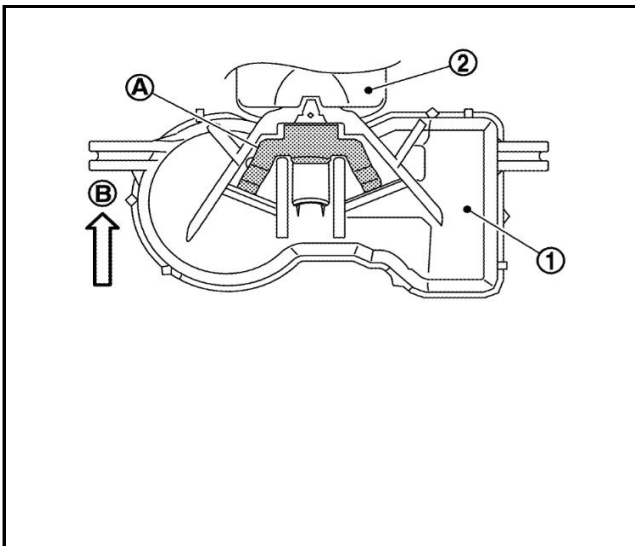
INSTALLATION PROCEDURE: Aluminum Alloy Wheel



- Check valve (1) direction, part (A) of valve must be at 12 o'clock to the rim of road wheel (2).
- If the position is not correct, rotate the valve to the correct position using a valve inserter.



- 14) Install the tire pressure sensor, follow the procedure below.
- a) Insert the tire pressure sensor (1) to the roll pin (A) of valve (2).



- b) Press the stopper (A) until unlocked.
- c) Install the tire pressure sensor (1) to valve (2) in the direction (B).

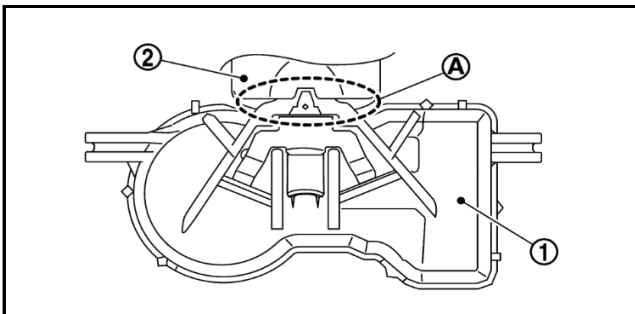
CAUTION

- Insert tire pressure sensor all the way to the valve.

- d) Release stopper.

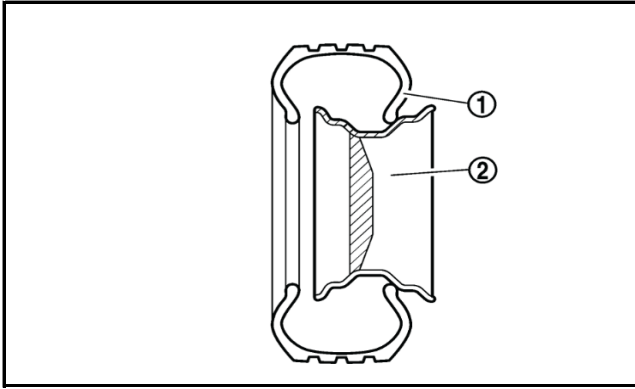
CAUTION

- Pull on the tire pressure sensor to check that the tire pressure sensor is correctly locked on the valve.
- Tire pressure sensor must be oriented tangentially to rim of road wheel drop-well.

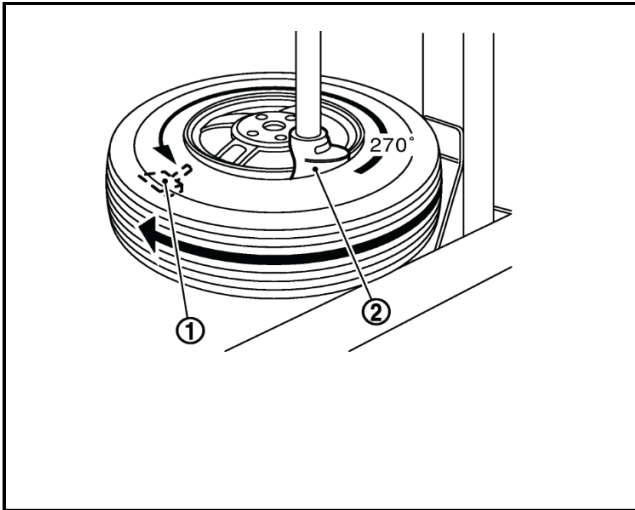


- Check the tire pressure sensor (1) contacts (A) with valve (2).

INSTALLATION PROCEDURE: Aluminum Alloy Wheel



- 15) Apply bead cream or an equivalent to tire beads.
- 16) Install tire inside beads (1) onto road wheel (2) in the position shown in figure.



- 17) Set tire onto turntable so that tire changer arm (2) is at a position approximately 270° from tire pressure sensor.

CAUTION

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

- 18) 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.

- 19) 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.
- 20) Inflate the tires to the specified COLD air pressure.
- 21) Balance the wheel and tire assemblies per vehicle Service Manual, Wheel and Tire Assembly Section, Wheel Balance Adjustment (Use only adhesive balance weights).
- 22) Inspect the vehicle hub and studs for any damage and repair or replace any damaged components. Remove any corrosion that would cause mounting misalignment.
- 23) Check tires to determine if a rotational direction or mounting orientation is specified.
- 24) 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.

25) 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	80 ft-lbs (108 Nm)
--------------------------	---------------------------

26) Install the center caps.
27) Wipe off any dust and finger marks, and clean the decorative surface.
28) Re-torque lug nuts to the specified value after 25 miles of driving.

Figure 1: Tightening Sequence

