44-1

Wheels and tires

WARNING!

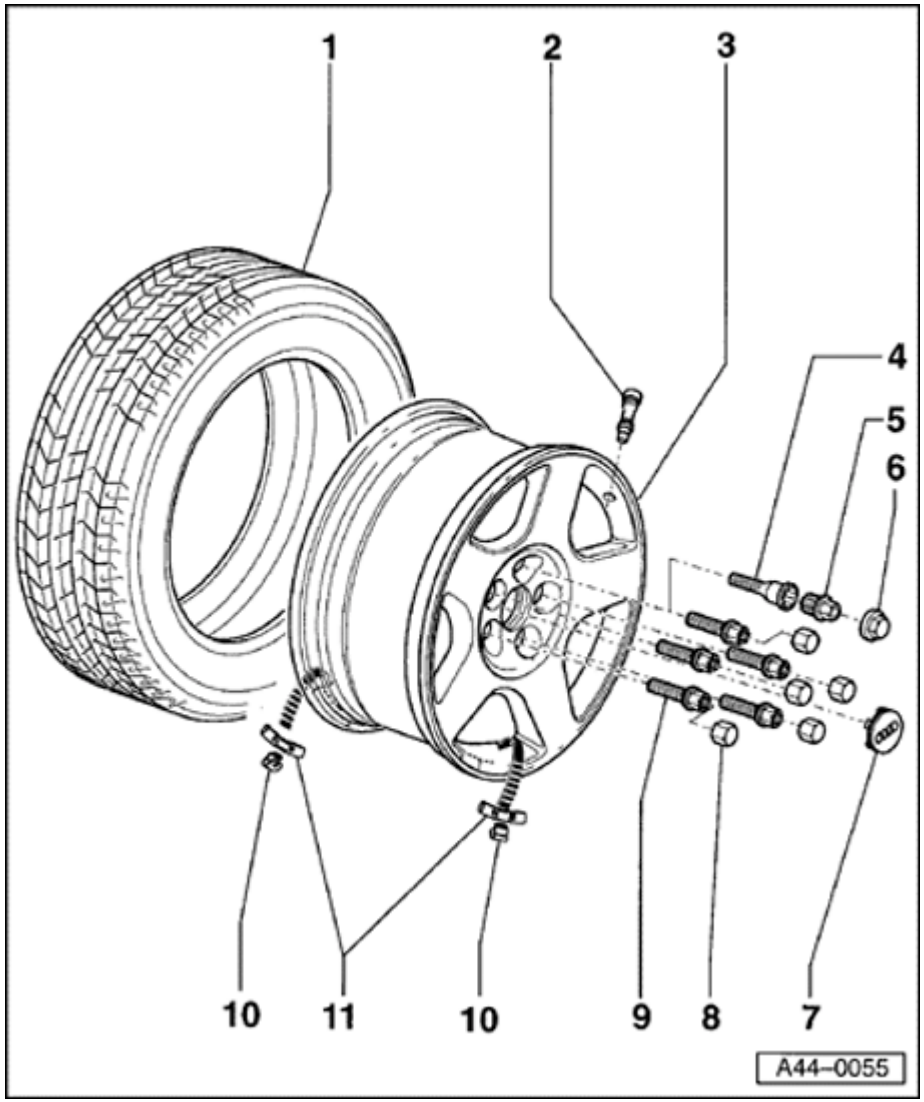
- ***Do not re-use any fasteners that are worn or deformed in normal use.***
- ***Some fasteners are designed to be used only once, and are unreliable and may fail if used a second time. This includes, but is not limited to, nuts, bolts, washers, circlips and cotter pins. Always follow the recommendations in this manual-replace these fasteners with new parts where indicated, and any other time it is deemed necessary by inspection.***

Notes:

- *The approved wheel/tire combinations had not been finalized at the time of printing of this Repair Manual.*
- *For safety reasons, the tires should be replaced in pairs for one axle at a time or for both axles together; not individually.*
- *Always install tires with the deepest tread on the front axle.*

- *It is recommended to use tires of the same make, design and tread pattern on all four wheels.*
- *Install a new valve stem when installing a new wheel or tire.*
- *If using tires with a directional tread pattern, the spare tire should be mounted on the wheel with the tread pattern facing the same way as the tires on the right-side of the vehicle.*

44-2



Light-alloy wheel

1 - Tire

2 - Valve

- Always replace
- Use only correct valves as specified in parts catalog microfiche

3 - Wheel

- Bolt hole circle diameter: 112 mm (4.409 in.)

4 - Anti-theft wheel bolt M14 x 1.5 x 27.5

- 120 Nm (89 ft lb)

5 - Adapter for anti-theft wheel bolt

6 - Protective cap

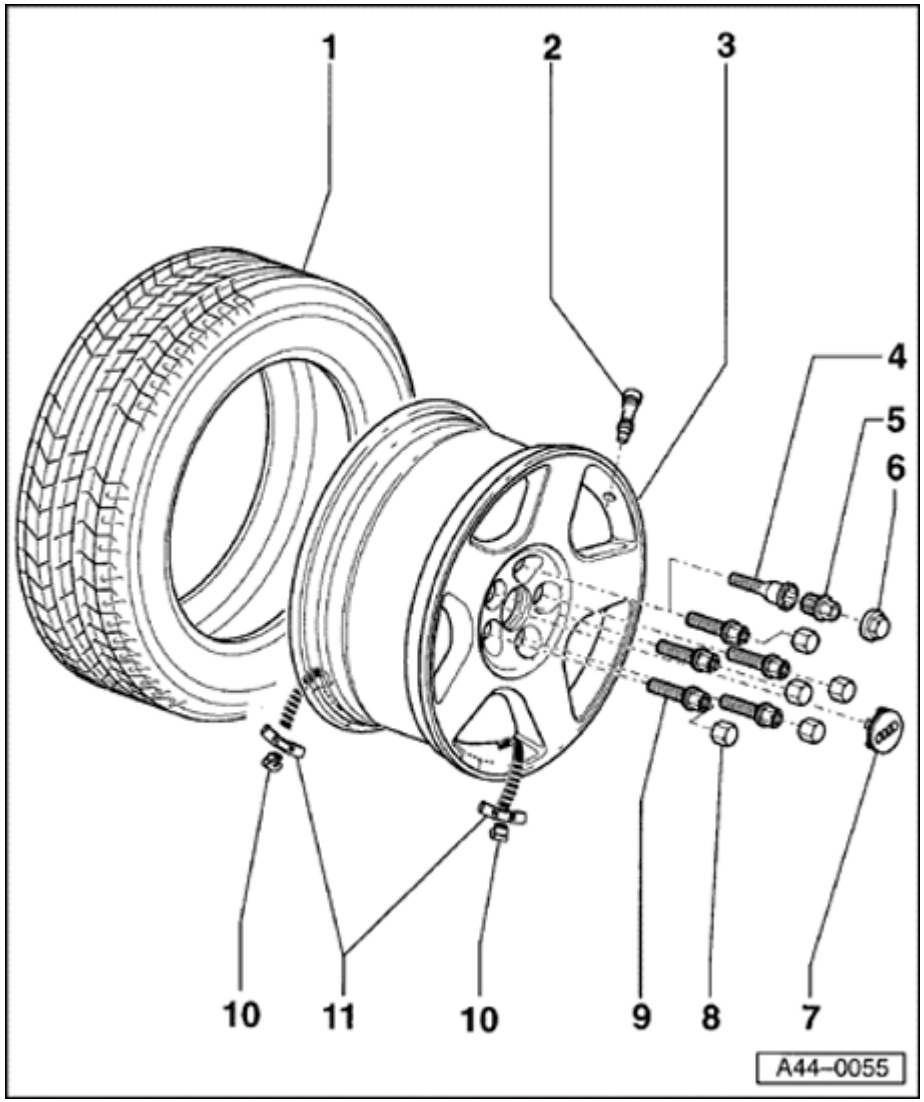
- Install onto anti-theft wheel bolt

7 - Center cap

8 - Protective caps

- Install onto wheel bolts

44-3



9 - Wheel bolts M14 x 1.5 x 27.5

- 120 Nm (89 ft lb)

10 - Retainer springs for balancing weights

11 - Balancing weights

- Maximum allowable weight: 60g (2.1 oz.) per rim flange

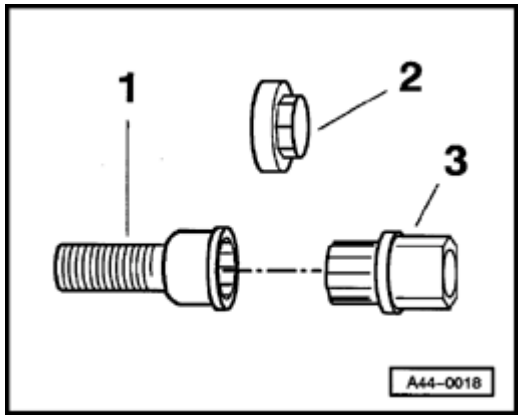


Fig. 1 Anti-theft wheel bolt

1 - Anti-theft wheel bolt

2 - Protective cap

3 - Wheel bolt adapter

44-5

Wheels, balancing on vehicle

Always deactivate the traction control system (ASR) before balancing the wheels.

Notes:

- *Incorrectly balanced wheels cause steering wheel vibration and shuddering at the front of the vehicle.*
- *Where applicable, position the vehicle on the sensor platforms (front axle only for front wheel drive, both axles for all wheel drive) in order to carry out wheel balancing.*
- *Observe the wheel balancing equipment manufacturer's operating instructions.*