

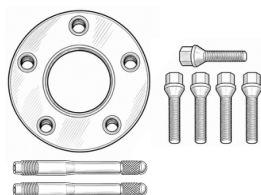
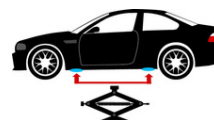
BMW Shim Spacer Instructions

Your Modern Spare kit includes a Shim Spacer to provide the clearance required for proper spare wheel fitment on certain vehicles with large, high-performance brake systems.

If your spare kit includes a Shim Spacer, the Shim Spacer should be used whenever the Modern Spare wheel is installed, regardless of which wheel position is being replaced.

1. Prepare the Vehicle

Follow the included Installation Instructions to safely raise the vehicle and prepare for removal and installation of the spare wheel.



2. Locate the Shim Spacer, Extended Lug Bolts, and Alignment Pins

Once the factory wheel is removed, locate the Shim Spacer, extended lug bolts, and supplied alignment pin(s) included with your Modern Spare kit.

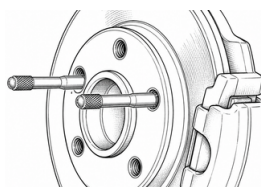
IMPORTANT: The supplied extended lug bolts must be used whenever the Shim Spacer and Modern Spare wheel are installed.

Do not use the vehicle's factory lug bolts with the Shim Spacer.

The supplied alignment pin(s) are installation aids designed to help position and align the Shim Spacer and Modern Spare wheel during installation.

3. Install the Shim Spacer

Place the Shim Spacer onto the vehicle hub, aligning the holes in the Shim Spacer with the vehicle's lug bolt holes. Make sure the Shim Spacer is fully seated flat against the wheel-mounting surface.



4. Use the Alignment Pin(s)

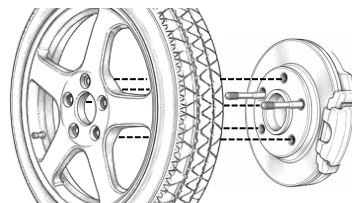
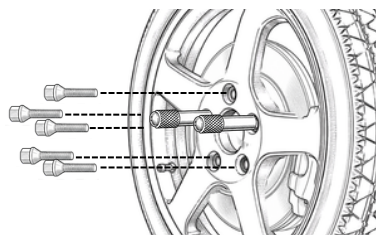
Install the supplied alignment pin(s) as an aid to help align and support the Shim Spacer and Modern Spare wheel during installation.

The alignment pin(s) help maintain proper positioning while the wheel is placed onto the hub and the lug bolts are installed.

5. Position the Modern Spare Wheel

Position the Modern Spare wheel over the Shim Spacer, using the alignment pin(s) to assist with positioning. Align the wheel's bolt holes with the Shim Spacer and vehicle hub.

Refer to the General Installation Instructions to identify which of the two bolt patterns on the Modern Spare wheel is used for your vehicle.



6. Install the Extended Lug Bolts

Insert the supplied extended lug bolts through the Modern Spare wheel and Shim Spacer and carefully hand-thread each bolt into the vehicle hub.

Remove the alignment pin(s) as appropriate during installation and install the remaining extended lug bolt(s).

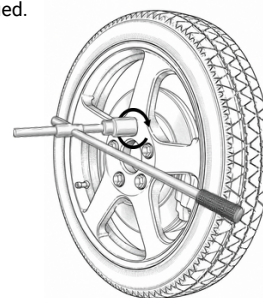
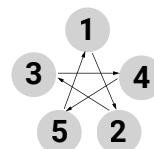
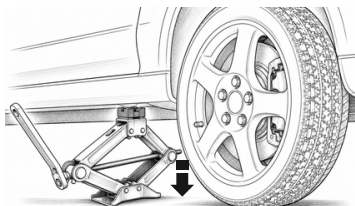
WARNING: Make sure each lug bolt is properly threaded into the hub before tightening.

Do not operate the vehicle until all lug bolts have been properly installed and torqued.

7. Snug the Lug Bolts

Once all lug bolts are properly hand-threaded, use the lug wrench to tighten them evenly in the traditional cross/star pattern.

First tighten the lug bolts until the wheel is snug and evenly seated against the Shim Spacer and hub. Do not fully torque the lug bolts while the wheel is freely suspended and able to rotate.



8. Lower the Vehicle

Carefully lower the vehicle until the tire contacts the ground sufficiently to prevent wheel rotation. Tighten the extended lug bolts using the same cross/star pattern.

9. Torque the Lug Bolts

Torque all lug bolts to the vehicle manufacturer's specified wheel torque. Refer to the vehicle owner's manual for the exact torque specification.

TORQUE TO VEHICLE MANUFACTURER'S SPECIFICATION

Fully lower the vehicle and remove the jack as described in the General Installation Instructions.

10. Complete the Spare Tire Installation

Continue following the included spare tire kit **Installation Instructions**.

If you have any questions regarding Shim Spacer installation, please contact Modern Spare

