

# Changing a Road Wheel

## CHANGING A FLAT TIRE (IF EQUIPPED)


If you get a flat tire while driving, do not apply the brake heavily. Gradually decrease your speed and hold the steering wheel firmly and slowly move to a safe place on the side of the road.

Have a flat serviced by an authorized dealer to prevent damage to the tire pressure monitoring system sensors. See **Tire Pressure Monitoring System Overview** (page 353). Replace the spare tire with a road tire as soon as possible. During repairing or replacing the flat tire, have an authorized dealer inspect the tire pressure monitoring system sensor for damage.

**Note:** Only use tire sealants in roadside emergencies as they may damage the tire pressure monitoring system sensor. If you use a sealant, use the Tire Mobility Kit sealant. Replace the tire pressure monitoring system sensor and valve stem on the wheel by an authorized dealer after use of the sealant.

**Note:** The tire pressure monitoring system indicator illuminates when the spare tire is in use. To restore the full functionality of the monitoring system, all road wheels with tire pressure monitoring sensors must be mounted on the vehicle.

### Dissimilar Spare Wheel and Tire Assembly Information

 **WARNING:** Failure to follow these guidelines could result in an increased risk of loss of vehicle control, injury or death.

If you have a dissimilar spare wheel and tire, then it is intended for temporary use only. This means that if you need to use it, replace it as soon as possible with a road wheel and tire assembly that is the same size and type as the road tires and wheels that were originally provided on your vehicle. If the dissimilar spare tire or wheel is damaged, replace it instead of repairing it.

A dissimilar spare wheel and tire assembly is defined as a spare wheel and tire assembly that is different in brand, size or appearance from the road tires and wheels and can be one of three types:

1. **T-type mini-spare:** This spare tire begins with the letter T for tire size and could have Temporary Use Only molded in the sidewall.
2. **Full-size dissimilar spare with label on wheel:** This spare tire has a label on the wheel that states: THIS WHEEL AND TIRE ASSEMBLY FOR TEMPORARY USE ONLY.

When driving with one of the dissimilar spare tires listed above, do not:

- Exceed 50 mph (80 km/h).
- Load the vehicle beyond the maximum vehicle load rating listed on the Safety Compliance Label.
- Tow a trailer.
- Use snow chains on the end of the vehicle with the dissimilar spare tire.
- Use more than one dissimilar spare tire at a time.
- Use commercial car washing equipment.
- Try to repair the dissimilar spare tire.

# Changing a Road Wheel

Using a dissimilar spare wheel and tire assembly can compromise the effectiveness of the following:

- Handling, stability and braking performance.
- Comfort and noise.
- Ground clearance and parking at curbs.
- Winter weather driving capability.
- Wet weather driving capability.
- All-wheel driving capability, if applicable.

### 3. Full-size dissimilar spare without label on wheel

When driving with the full-size dissimilar spare wheel and tire assembly, do not:

- Exceed 70 mph (113 km/h).
- Use more than one dissimilar spare wheel and tire assembly at a time.
- Use commercial car washing equipment.
- Use snow chains on the end of the vehicle with the dissimilar spare wheel and tire assembly.

Using a full-size dissimilar spare wheel and tire assembly can compromise the effectiveness of the following:

- Handling, stability and braking performance.
- Comfort and noise.
- Ground clearance and parking at curbs.
- Winter weather driving capability.
- Wet weather driving capability.
- All-wheel driving capability.

When driving with the full-size dissimilar spare wheel and tire assembly additional caution should be given to:

- Towing a trailer.
- Driving vehicles equipped with a camper body.
- Driving vehicles with a load on the cargo rack.

Drive cautiously when using a full-size dissimilar spare wheel and tire assembly and seek service as soon as possible.

### Tire Change Procedure



**WARNING:** The jack supplied with this vehicle is only intended for changing a flat tire in an emergency. Do not attempt to do any other work on your vehicle when it is supported by the jack, as your vehicle could slip off the jack. Failure to follow this instruction could result in personal injury or death.



**WARNING:** To help prevent your vehicle from moving when changing a wheel, shift the transmission into park (P), set the parking brake and use an appropriate block or wheel chock to secure the wheel diagonally opposite to the wheel being changed. For example, when changing the front left wheel, place an appropriate block or wheel chock on the right rear wheel.



**WARNING:** Never place anything between the vehicle jack and your vehicle.



**WARNING:** Never place anything between the vehicle jack and the ground.

# Changing a Road Wheel

**WARNING:** Do not attempt to change a tire on the side of the vehicle close to moving traffic. Pull far enough off the road to not obstruct the flow of traffic and avoid the danger of being hit when operating the jack or changing the wheel.

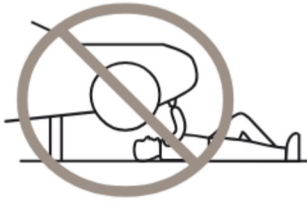
**WARNING:** Do not get under a vehicle that is supported by a jack.

**WARNING:** Only use the specified jacking points. If you use any other locations you could damage vehicle components, such as brake lines.

**WARNING:** Only use the jack provided as original equipment with your vehicle.

**WARNING:** It is recommended that the wheels of the vehicle be chocked, and that no person should remain in a vehicle that is being jacked.

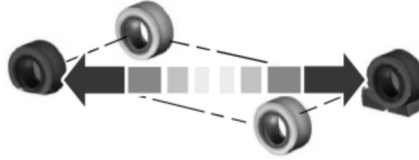
**WARNING:** Make sure there is no grease or oil on the threads or the surface between the wheel studs and the wheel nuts. This can cause the wheel nuts to loosen while driving.



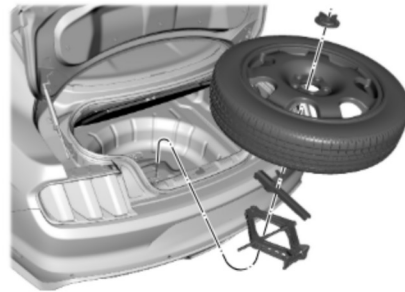
**Note:** The jack does not require maintenance or additional lubrication over the service life of your vehicle.

**Note:** Passengers should not remain in your vehicle when the vehicle is being jacked.

1. Park on a level surface, set the parking brake and activate the hazard flashers.
2. Place the transmission in park (P) and turn the engine off. For vehicles with a manual transmission, place the transmission in reverse (R) after the engine is turned off.

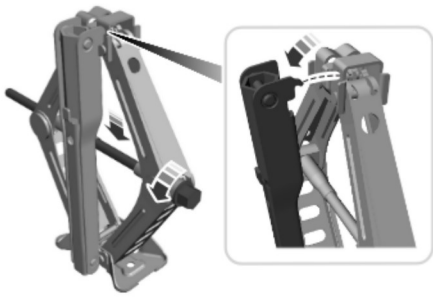


3. Block the wheels diagonally opposite the flat tire. For example, if the left front tire is flat, block the right rear wheel.



4. Open the luggage compartment and lift the access panel
5. Remove the lug wrench, spare tire and jack.
6. Remove the center ornament from the wheel if required to access the lug nuts.

## Changing a Road Wheel

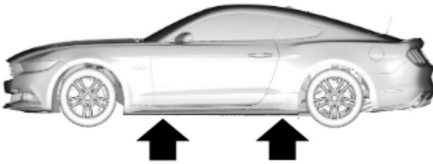


7. To remove the wrench from the jack, turn the hex nut on the jack counterclockwise. This lowers the jack and loosens the mechanical lock.

8. Unfold the wrench.



9. Loosen each wheel nut one-half turn counterclockwise but do not remove them until the wheel is raised off the ground.



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**Note:** Jack at the specified locations to avoid damage to the vehicle.

10. The vehicle jacking points are shown here, and can be identified by the triangle markings on the vehicle. Details are depicted on the warning label on the jack.



11. Place the jack at the jacking point next to the tire you are changing. Turn the jack handle clockwise until the wheel is completely off the ground.

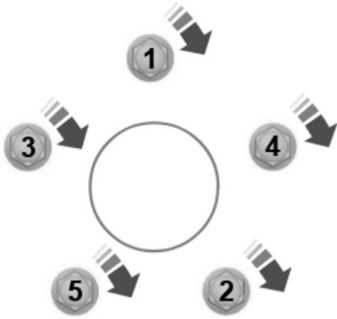
12. Remove the wheel nuts with the lug wrench.

13. Replace the flat tire with the spare tire, making sure the valve stem is facing outward.

14. Reinstall wheel nuts until the wheel is snug against the hub. Do not fully tighten the wheel nuts until the wheel has been lowered.

15. Lower the wheel by turning the jack handle counterclockwise.


# Changing a Road Wheel



16. Remove the jack and fully tighten the wheel nuts in the order shown. See **Wheel Nuts** (page 361).
17. To store the folded wrench on the jack, engage the bracket of the jack base on the wrench feature as shown. Swing the wrench upwards and adjust the height of the jack until the pin engages the hole. Tighten the hex nut clockwise by hand until secure.

18. Put the flat tire, wheel ornament, jack and lug wrench away. Make sure the jack is fastened so it does not rattle when you drive.
19. Unblock the wheel.

## WHEEL NUTS

 **WARNING:** When you install a wheel, remove any corrosion, dirt or foreign materials present on the mounting surfaces of the wheel or the surface of the wheel hub, brake drum or brake disc that contacts the wheel. Make sure to secure any fasteners that attach the rotor to the hub so they do not interfere with the mounting surfaces of the wheel. Installing wheels without following these steps can cause the wheel nuts to loosen and the wheel to come off while your vehicle is in motion, resulting in loss of vehicle control, personal injury or death.

Bolt Size	lb.ft (Nm) <sup>1</sup>
M14 x 1.5	150 lb.ft (204 Nm)

<sup>1</sup> Torque specifications are for nut and bolt threads free of dirt and rust. Use only our recommended replacement fasteners.

Retighten the lug nuts to the specified torque within 100 mi (160 km) after any wheel disturbance, such as tire rotation, changing a flat tire or wheel removal.

## Changing a Road Wheel

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A Hub pilot bore.

Inspect the wheel pilot hole and mounting surface prior to installation. Remove any visible corrosion or loose particles.