












Wheel changing

WHEEL CHANGING SAFETY

Before raising the vehicle, or changing a wheel, make sure that you read, and comply with the following warnings.

-  Always find a safe place to stop, off the road and away from traffic.
-  Make sure that the vehicle and jack are both on firm, level ground.
-  Apply the Parking brake and engage Park (P).
-  Switch on the hazard warning lamps.
-  Make sure that the front wheels are in the straight ahead position, and engage the steering lock.
-  Make sure that all passengers, and animals, are out of the vehicle and in a safe place away from the road.
-  Place a warning triangle at a suitable distance behind the vehicle, facing towards oncoming traffic.
-  When one rear wheel is lifted off of the ground, the selection of Park (P) will not prevent the vehicle from moving and possibly slipping off of the jack, as the Parking brake only operates on the rear wheels.
-  Always chock the wheel diagonally opposite the wheel to be changed, using the wheel chock supplied in the tool kit. Chock the front of a front wheel, or the rear of a rear wheel.
-  If jacking the vehicle on a slight slope is unavoidable, place the chocks on the downhill side of the two opposite wheels. An additional chock will be needed.
-  Never place anything between the jack and the ground, or the jack and the vehicle.



Do not attempt to raise the vehicle unless the jack head is fully engaged in the jacking point. Only jack the vehicle using the approved jacking points.



Remove the spare wheel prior to jacking the vehicle, to avoid destabilising the vehicle when raised.



Take care when lifting the spare wheel, and removing the punctured wheel. The wheels are heavy and can cause injuries if not handled correctly.



Do not start or run the engine while the vehicle is supported only by a jack.



WARNING - THAT NO PERSON SHOULD PLACE ANY PORTION OF THEIR BODY UNDER A VEHICLE THAT IS SUPPORTED BY A JACK.



Take care when loosening the wheel nuts. The wheel brace may slip off if not properly attached, and the wheel nuts may release suddenly. Either unexpected movement may cause an injury.

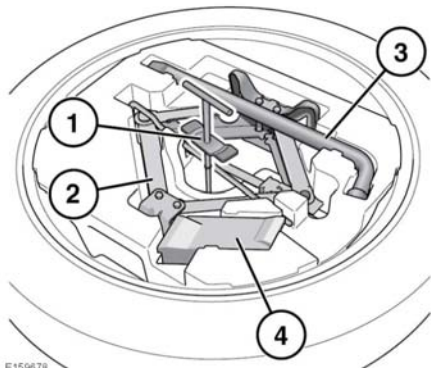


After use, the tool kit should be returned to the under floor storage area and correctly stowed.



Always make sure replacement tyres have the correct rating and specifications (e.g., load index, size, speed rating) for your vehicle.

WHEEL CHANGING



E159678

! Carbon ceramic brake discs are susceptible to damage. Take care not to damage the brake discs when removing and refitting the road wheels.

! Vehicles with carbon ceramic brake discs are supplied with 2 wheel guide pins. The pins are stored with the compressor in the tyre repair kit, see **186, TYRE REPAIR KIT**. Make sure that the 2 wheel guide pins are used to aid removing and refitting of road wheels on vehicles with carbon ceramic brake discs.

Note: Vehicles with a convertible roof do not facilitate stowage of a full size wheel and tyre.

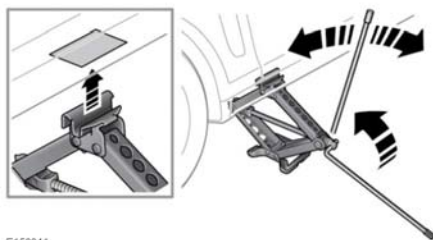
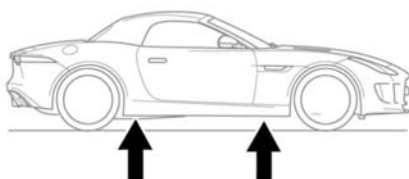
Open the Luggage compartment lid, see **10, OPENING AND CLOSING THE LUGGAGE COMPARTMENT**.

1. Spare wheel retaining bolt and clamp.
2. Jack: Observe the instructions printed on the jack.
3. Wheel brace.
4. Wheel chock.

To remove the spare wheel and tool tray, unscrew and remove the retaining bolt and clamp (1).

Before raising the vehicle, use the wheel nut brace to slacken the wheel nuts half a turn counter-clockwise.

Note: The locking wheel nut adaptor will be required to slacken and remove the locking wheel nut. The locking wheel nut adaptor is located next to the vehicle's battery, see **192, LOCKING WHEEL NUTS**.

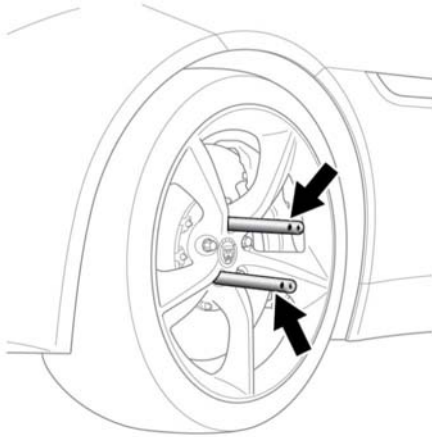


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There are 4 jacking points on the underside of the floor. Two indented, triangular indicators are provided on each sill cover. These indicate the location for the jack.

Raise the vehicle with the jack until the tyre being lifted just clears the ground. Operate the jack with a slow and steady motion. Avoid sudden and erratic actions as they may cause the vehicle/jack to become unstable.

Wheel changing



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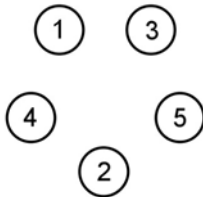
On vehicles with carbon ceramic brake discs, remove 2 opposing wheel nuts and install the 2 wheel guide pins, as shown.

Remove the remaining wheel nuts and carefully remove the road wheel.

Note: To remove the centre badge, use the plastic tipped end of the wheel nut wrench handle, push the centre badge from its housing from the inside of the wheel.

! Do not remove the two wheel guide pins from the vehicle until the wheel has been lightly tightened with 3 wheel nuts.

Using the wheel nut wrench, lightly tighten the wheel nuts alternately, using the sequence shown in the illustration.



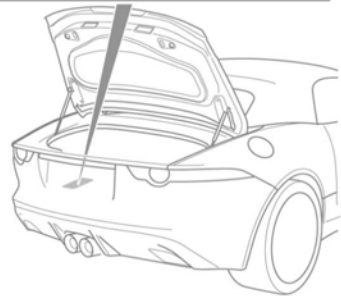
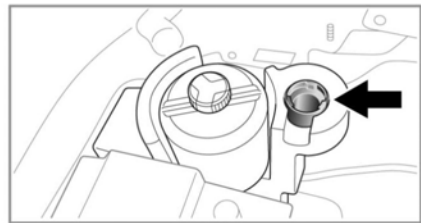
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Lower the jack, then tighten the wheel nuts fully, in the same sequence shown. Do not overtighten by using foot pressure or extension bars on the wheel nut wrench.

At the earliest opportunity, have the wheel nuts tightened with a torque wrench to 125 Nm (92 lb.ft).

This torque must not be exceeded.

LOCKING WHEEL NUTS



E159679

The locking wheel nut adaptor is located in the Luggage compartment, next to the vehicle's battery. To access the locking wheel nut adaptor, remove the Luggage compartment left side (battery) cover.




Locking wheel nuts can be removed and installed using only the special adaptor provided in the tool kit.

Note: When the vehicle is first supplied, the adaptor may be stored in the glove compartment. It should be removed and stored in the position shown, as soon as possible.

Note: A code number is stamped onto the underside of the adaptor. This number should be recorded in the Service Portfolio, supplied with the literature pack. If a replacement adaptor is required, you will be asked to quote this number.

IMPORTANT – USE OF SPARE TYRE

Observe the following warnings before using the temporary spare wheel:

-  **Adhere to the instructions on the temporary spare warning label, affixed to the wheel. This may cause vehicle instability and/or tyre failure.**
-  **Where fitted the temporary-use spare wheel is FOR TEMPORARY USE ONLY. Drive with caution while the temporary spare wheel is fitted. Make sure that an original size wheel and tyre are fitted as soon as possible.**
-  **Do not fit more than one temporary spare wheel.**
-  **Do not exceed 80 km/h (50 mph) while the temporary spare wheel is fitted.**
-  **The tyre pressure in the temporary spare wheel should be 4.2 bar (60 psi/420 kPa).**
-  **Dynamic Stability Control (DSC) must be switched on while the temporary spare wheel is in use.**
-  **Traction devices, such as snow chains, cannot be used with a temporary spare wheel.**