


Hub - Rear - LH (Remove and Replace)

FRT No: 31030702

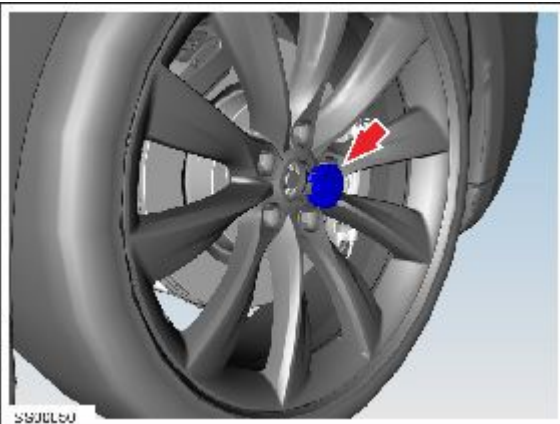
Special tool(s) required for this procedure:

Supplier	Part Number	Description
Tesla	1062500-00-A	Magnetic Field Viewing Card
Tesla	1082171-00-A	S-hook

 **Warning:** If the vehicle has air suspension, activate "Jack" mode on the touchscreen before raising and supporting the vehicle.

Removal

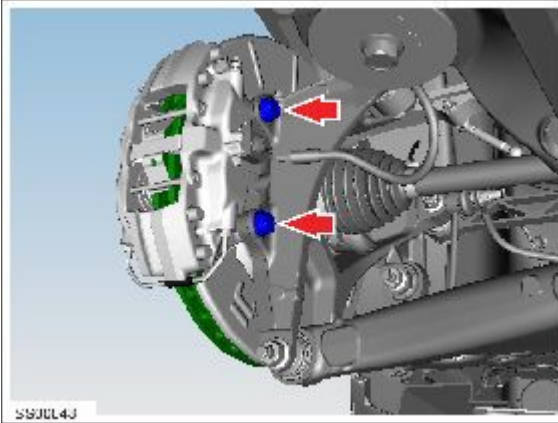
1. Position the vehicle in preparation for raising it, but keep the vehicle at ground level at this time.
2. Loosen the lug nuts on the LH rear wheel.
3. Remove the wheel center cap.



4. Remove the hub nut (torque 245 Nm).



5. Remove the wedge-lock washer.
6. Put the vehicle in "Tow" mode.
7. Remove the rear wheel arch liner ([refer to procedure](#)).
8. Remove the bolts (x2) that secure the brake caliper to the knuckle (torque 120 Nm).

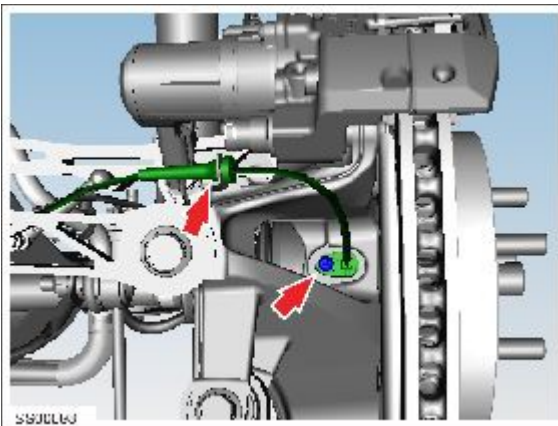


9. Release the caliper and use the S-hook to support it.



Caution: To avoid damage to the brake line, the brake caliper must be supported at all times.

10. Remove the screw that secures the wheel speed sensor to the knuckle (torque 8 Nm).

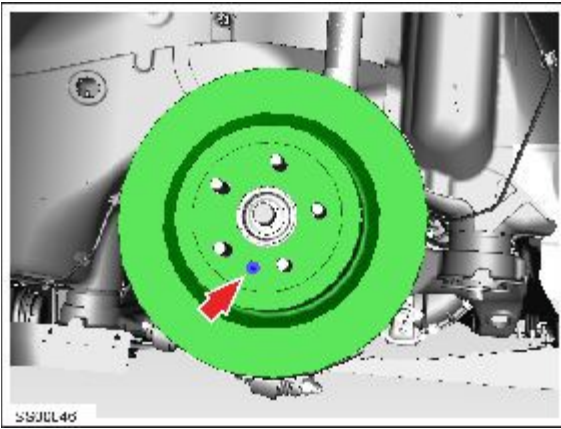


11. Release the wheel speed sensor from the knuckle and tie it aside.



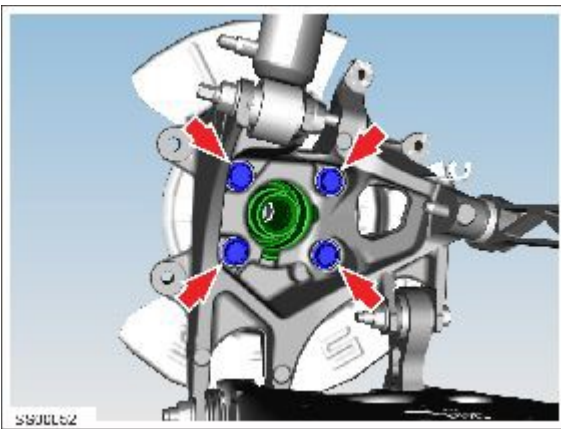
Caution: Take care not to damage component(s).

12. Remove the parking brake caliper ([refer to procedure](#)).
13. Remove the screw that secures the brake rotor to the hub, then remove the brake rotor (torque 17 Nm).



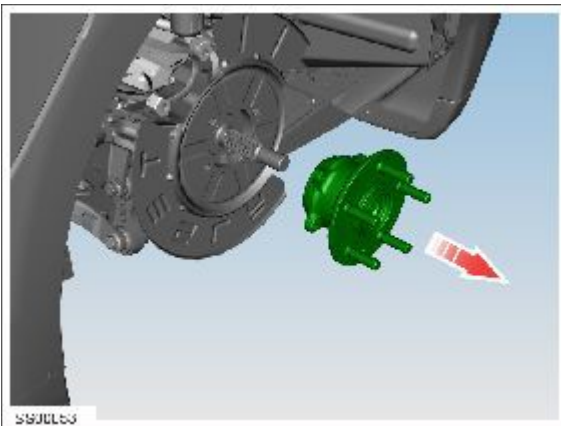
14. Remove the bolts (x4) that secure the hub to the knuckle (torque 90 Nm).

Note: The hub and knuckle assembly is shown removed from the vehicle to aid clarity.



15. Release the driveshaft from the hub, and remove the hub from the knuckle. Place the hub on a non-magnetic surface.

! **Caution:** A magnetic field from a pick-up tool or magnetic parts tray could permanently damage the magnetic pattern on the hub/bearing tone ring.



Installation

Installation procedure is the reverse of removal, except for the following:

Note: *Clean the affected areas before installation.*

- Clean the mating faces of the hub and disc.
- Use the magnetic field viewing card to ensure that the magnetic field on the tone ring is not damaged.
- After connecting the electric parking brake caliper harness, wrap the connector seam with electrical tape to prevent dirt ingress.
- Pump the brake pedal at least 5 times to seat the pads against the brake rotors.



Warning: *Always check that the brake pads are seated correctly before driving the vehicle.*