

Reference	SSM71883
Models	Range Rover / L405 (197041 → 100000) Range Rover Sport / L494 (504510 → 300000)
Title	Right First Time repair for DTCs:C0031/C0033/C0036/C0037/C0039
Category	Chassis
Last modified	29-Feb-2016 00:00:00
Symptom	304000 Suspension System
Attachments	1Remove Debris.pdf (1Remove Debris.pdf)

Content**Issue:**

Where the following DTC's are found, please follow the Action below before considering replacement of any parts.

The following DTCs may be logged:

- C0030-38 – Left front tone wheel - signal frequency incorrect
- C0033-38 - Right front tone wheel - signal frequency incorrect
- C0036-38 - Left rear tone wheel – signal frequency incorrect
- C0039-38 - Right rear tone wheel – signal frequency incorrect
- C0031-76 - Left front wheel speed sensor - wrong mounting position
- C0034-76 - Right front wheel speed sensor - wrong mounting position
- C0037-76 - Left rear wheel speed sensor - wrong mounting position
- C003A-76 - Right rear wheel speed sensor – wrong mounting position

Cause:

Contamination between the ABS wheel speed sensor and the wheel bearing tone wheel could lead to the above DTC's being set. Please view attached pictures for examples.

Action:

-Remove the relevant wheel speed sensor (Workshop manual: 206-09), remove any debris and re-install.

-Remove the half-shaft retaining nut, with the corner assembly supported, then slide the shaft towards the vehicle to gain access to the tone wheel. Clean any debris from the tone wheel.

-Clear fault codes and carry out an extended road test to confirm the issue has been rectified.

