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| **Reference** | SSM000021 |
| **Models** | Defender / L663 2021 → Onwards<br>Discovery / L462 2021 → Onwards<br>F-PACE / X761 2021 → Onwards<br>New Range Rover / L460 2022 → Onwards<br>New Range Rover Evoque / L551 2021 → Onwards<br>New Range Rover Sport / L461 2023 → Onwards<br>Range Rover Velar / L560 2021 → Onwards |
| **Title** | Vehicle Requires Steady Correction Steering Force to Remain in Lane |
| **Category** | Chassis |
| **Last modified** | 27-Jan-2026 10:59:00 |
| **Content** | **SSM000021**<br>**Title:**<br>**Vehicle Requires Steady Correction Steering Force to Remain in Lane**<br><br>**Model / Model Year / Derivative**<br><br>Range Rover / 22MY onwards / All<br>Range Rover Sport / 23MY onwards / All<br>Range Rover Velar / 21MY onwards / All<br>Range Rover Evoque / 21MY onwards / All<br>Discovery / 21MY onwards / All<br>Discovery Sport 21MY onwards / All<br>Defender / 21MY onwards / All |

F-Pace / 21MY onwards / All

**Situation:**

JLR Engineering investigations have found customer reports that the vehicle requires a steady correction force to remain in lane when driven in the straight-ahead position. A constant steering effort is required to maintain a straight line.

**Cause:**

The Electric Power Assisted Steering (EPAS) system has a learning function that requires approximately 200 miles (320 kilometres) to adapt to the vehicle and apply full compensation. Learning is enabled automatically during straight-line highway driving.

**Action:**

Refer to the service information below.

**Service Information:**

If a customer reports that their vehicle requires a corrective force to remain in line when driving in a straight line, complete the following steps:

1. Confirm that steady correction force is required to drive in a straight line.  If the effort is normal but the steering wheel is not in the straight-ahead position, then refer to the steering wheel misalignment procedure in the TOPIx Workshop Manual (WSM).
2. Check the tires are inflated to the correct pressure, printed on the tire placard label.
3. Check for visible damage to the wheels and tires and repair where required.
4. Check the wheel nuts are torqued to the correct value, refer to the TOPIx WSM.

5. Check for any evidence of damage to the suspension / steering components and all fixings are torqued to the correct value, refer to the TOPIx WSM. Repair if necessary.
6. If steady correction force is the only concern with no other cause identified during inspection, the EPAS mitigation system for steady correction force may not have accumulated sufficient data. For optimal compensation performance and correct learning, the driver should complete a minimum distance of 200 miles (320 kilometres).
7. If the customer reports the issue is still present after completing 200 miles (320 kilometres), continue with diagnosis using TOPIx Cloud and with reference to the TOPIx WSM).

**Note:** If a new steering gear has been installed the EPAS mitigation system for steady correction force will apply until learning is complete.

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