

Reference	SSM72050
Models	Range Rover / L405 Range Rover Sport / L494
Title	L405/L494 Front Air Spring and Damper – Removal and Installation
Category	Chassis
Last modified	31-Oct-2014 00:00:00
Symptom	304000 Suspension System
Attachments	Missaligned Airspring.pdf

Content

Issue:

Following replacement of front Air Struts (for example performing LTB604v3/SSM71942) Dealers / Customer may report a noise or a vehicle lean error state. On investigation the front Air Spring is found to be misaligned and damaged. See attached photo

Cause(s):

Inflation of Air Suspension Air Springs with the vehicle on the ground (not on a wheel free lift) can cause misalignment and creasing of the Air Bag. The inflation pressures acting on the creased Air Bag can cause permanent damage.

Handling of parts: There is also potential for damage to the Air Spring by handling by the Gaiter (separation of an internal rubber bearing), therefore handling of the Air Strut and Damper assembly should be by the metallic parts of the component only!

Action:

Please follow the updated TOPIx workshop manual installation procedure - 204-01: Front Suspension - Shock Absorber and Spring Assembly (60.21.01) (60.30.25/99), ensuring that the air spring is inflated, before the vehicle is lowered onto its wheels.

Always handle the Air Strut assembly it by the metallic parts of the component only! Failure to follow this instruction may result in damage to the component

Technicians - Please rate this SSM and provide comments so that future communications can be improved.

1 = Poor – Basic information provided – The SSM does not help me resolve the customer concern.

3 = Average – Adequate information provided – The SSM partially helps me resolve the customer concern.

5 = Excellent – All required information provided to resolve the customer concern.

Misaligned Airspring

