

Reference	SSM74138
Models	Range Rover / L405 Range Rover Sport / L494
Title	Fluid Leak from dynamic response roll bar - Lower level repair
Category	Chassis
Last modified	08-Nov-2018 00:00:00
Symptom	304000 Suspension System
Attachments	image-1.pdf (image-1.pdf) image-2.pdf (image-2.pdf) image-3.pdf (image-3.pdf)
Content	<p><u>Issue:</u></p> <p>From inspecting market returned parts it has become apparent that multiple dynamic response roll bars have been replaced due to reported fluid leaks. Upon further inspection no faults are found with the returned roll bars.</p> <p><u>Cause:</u></p> <p>It is believed that many of the leaks reported could be coming from the piping, seals, interface or tightness of bleed screw.</p> <p><u>Action:</u></p> <p>For vehicles at early time in service (up to 3 months) please raise an EPQR and submit photographic evidence of where the leak is coming from.</p> <ol style="list-style-type: none">1. If leak is in area of image 1 (pipe to actuator interface) then disassemble joint and inspect o-ring/washer (replace as necessary). Confirm no burrs/sharp edges at end of pipe. Align pipe spigot with actuator and re-assemble. Ensure pipe mounting block is flat to actuator surface and torque to <u>22Nm</u>2. If leak is around interface of bleed screw to actuator (as per image 2) then confirm torque is at <u>15Nm</u> as per workshop manual (TOPIx).3. If the leak is where the piston shaft comes through the actuator body (image 3) then please take into account it is normal for grease to be present on the piston shaft, this does not constitute a leak. Excessive leakage can suggest that there is damage to the seal. <p>Once the above points have been confirmed re-assemble the system, clean with brake cleaner and run hydraulic self test before re-inspection for leaks.</p> <p><u>NOTE:</u></p> <p>Seal kits are available on part number: RVW500010</p>

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.