

TECHNICAL TOPICS

POWERTRAIN



<p>Noise or Judder while turning</p>	<p>15MY – Onward RR Evoque equipped with Active Driveline</p>
<p><u>Customer Voice:</u></p> <ul style="list-style-type: none"> There is a noise from the rear of the vehicle while turning. There is a judder feeling when turning. <p><u>Technical Description:</u></p> <ul style="list-style-type: none"> The noise/judder is identified as coming from the rear drive unit. <p><u>Status:</u></p> <ul style="list-style-type: none"> It is important that all pinpoint testing outlined in the TOPIx Workshop Manual (WSM) section 205-02B: Rear Drive Axle/Differential – Vehicles with Active Driveline > Diagnosis and Testing is completed. Pay close attention to the work instructions as the amount of fluid drained requires measurement. Be sure to complete a thorough road test after any flushing procedures. Should a complaint persist, a FRED is required for replacement. Be sure to include detailed results of all the testing performed in your submission along with a video of the noise and picture of each of the wheels/tires fitted to the vehicle with the tire size clearly visible. 	<p>1: General Information</p> <p>2: Chassis</p> <p>204: Suspension</p> <p>205: Driveline</p> <p>205-00: Driveline System - General Information</p> <p>205-01: Driveshaft</p> <p>205-02A: Rear Drive Axle/Differential - Vehicles Without: Active Driveline</p> <p>205-02B: Rear Drive Axle/Differential - Vehicles With: Active Driveline</p> <p>Specification</p> <p>Description and Operation</p> <p>Rear Drive Axle and Differential</p> <p>Diagnosis and Testing</p> <p>Rear Drive Axle and Differential</p> <p>General Procedures</p> <p>REAR DRIVE SYSTEM NOISE DIAGNOSTICS</p> <p>PREPARE TEST 4: EXCESSIVE NOISE</p> <p>41: ROAD TEST FOR EXCESSIVE NOISE</p> <p>TEST CONDITIONS</p> <p>1. Road test the vehicle to determine the road and speed conditions when the noise occurs.</p> <p>2. Assess the noise with different gears selected.</p> <p>Does the noise occur in different gears at the same vehicle speed?</p> <p>Yes</p> <p>Use the Jaguar Land Rover approved diagnostic equipment, run the application 'Noise, Vibration and Harshness Diagnostic Tool - Rear Differential', and report as follows:</p> <p>Go to 'Project Tools'.</p> <p>PREPARE TEST 9: EXCESSIVE HYDRAULIC NOISE</p> <p>91: HYDRAULIC NOISE CHECK</p>

