

<b>Reference</b>	SSM45614
<b>Models</b>	XJ / X351
<b>Title</b>	New XJ ride height sensor investigation
<b>Category</b>	Chassis
<b>Last modified</b>	05-Jan-2015 00:00:00
<b>Symptom</b>	304000 Suspension System
<b>Content</b>	<p><u>Issue:</u> Engineering is investigating reports of XJ (X351) ride height sensors not operating correctly.</p> <p><u>Cause:</u> The air suspension and active dynamics modules include checks of the height sensors during vehicle usage. If there is a fault with the height sensor, wiring harness, or connector, then a DTC will be stored. The affected ride height sensor part numbers are C2D6859, C2D16582, C2D6857, C2D16580, C2D6858, and C2D16581.</p> <p><u>Action:</u> If no DTC is logged then the height sensor does not need to be replaced.</p> <p>If a ride height sensor DTC is logged (for example. DTC's C1A05-12, C1A06-14, C1A701C, C1A03-1C, C1A06-1C etc.) please carry out the actions below:</p> <ol style="list-style-type: none"> <li>1. Record the DTC's logged including status (Permanent, Intermittent &amp; Historic)</li> <li>2. Record when DTC's occurred and the number of occurrences.</li> <li>3. For the Height Sensor(s) identified by the DTC, check that the electrical connectors to the ride height sensors are securely latched.</li> <li>4. Check the intermediate harness connectors are correctly latched eg. body to rear subframe harness.</li> <li>5. If all connections were correctly made, disconnect the affected height sensor(s) and check to ensure there is no internal corrosion of the pins and connector - if there is corrosion, check the wires for damage within 200mm of the connector and carry out suitable harness repair and replace the affected height sensor.</li> <li>6. Disconnect the module and affected height sensor and test wires for continuity <b>Note: Wires must never be probed through insulation, only direct connection to pins should be used.</b> On completion reconnect connectors and ensure fully latched.</li> <li>7. If checks 3-6 do not find any issues replace the height sensor only if the DTC is recorded as either 'Permanent' or 'Intermittent'.</li> <li>8. If the DTC does not meet the requirements of '7' do not replace the height sensor.</li> <li>9. Clear the DTC(s) and test the vehicle to ensure the the DTC does not reoccur.</li> <li>10. If the issue repeats, investigate the cause of the concern further and rectify.</li> </ol>

11. If a ride height sensor is found to be faulty please submit an EPQR. The EPQR should include the DTC(s) logged including the number of occurrences & times.
12. The ride height sensor is required by JLR engineering for further investigation. A Priority Return Request will be arranged.