

Reference	SSM76186
Models	Defender / L663 Discovery / L462
Title	Clicking / Ticking Noise from Front Axle While Turning Left or Right and Full Lock at Low Speeds
Category	Chassis
Last modified	24-Sep-2024 00:00:00
Symptom	303000 Steering/Handling
Content	<p><u>Model / Model Year / Derivative</u> DISCOVERY / 21-22MY / With 349mm or 363mm Front Disc Brake Only DEFENDER / 20-22MY / With 349mm or 363mm Front Disc Brake Only</p> <p><u>Situation:</u> NOTE: Affected vehicle features: DISC BRAKE SIZE FRT 18 (349mm Disc - Brake) DISC BRAKE SIZE FRT 19 (363mm Disc - Brake)</p> <p>Containment VINs Discovery / L462: SALRA2AW2N2461398 Defender / L663: SALEJ7RX9N2085677</p> <p>JLR Engineering investigations have found reports of a 'clicking' or 'ticking' noise while turning left or right and on full lock at low speeds.</p> <p><u>Action:</u> Refer to the service information and instruction below.</p> <p><u>SERVICE INFORMATION:</u></p> <p>Discovery Instruction The following parts are required to be renewed, the quantities below are for each repair, LH or RH.</p> <ul style="list-style-type: none"> • 4x LR100039 - Front hub/wheel bearing bolt (4x bolts per hub/wheel bearing) <ol style="list-style-type: none"> 1. Confirm the noise is either coming from the front left of front right hub/wheel bearing area(s), or in some cases both. 2. Renew all four of the front hub/wheel bearing bolts on the affected side(s). 3. Renew each front hub/wheel bearing bolt one at a time following the sequence illustration in TOPIx '204-01 FRONT SUSPENSION > FRONT WHEEL BEARING'. Before each new bolt is installed, make sure the thread within the hub / bearing housing is clear of foreign material. <p>Defender Instruction The following parts are required to be renewed, the quantities below are for each repair, LH or RH.</p> <ul style="list-style-type: none"> • 4x LR100039 - Front hub/wheel bearing bolt (4x bolts per hub/wheel bearing) • 2x LR033274 - Front brake caliper carrier bolt (M16 X 40mm) • 1x LR139520 - Front brake disc bolt • 1x LR024151 - Front halfshaft nut • 1x KYG000230 - Front suspension upper arm ball joint to wheel knuckle bolt • 1x FY110056 - Front suspension upper arm ball joint to wheel knuckle nut

- 1x LR034221 - Front wheel knuckle lower ball joint nut
- 1x LR042803 - Knuckle extension bolt
- 1x LR026275 - Tie-rod end to knuckle nut

1. Confirm which side the noise is coming from, either the front left or front right hub/wheel bearing area(s), or in some cases both.
2. Renew all four of the front hub/wheel bearing bolts on the affected side(s).
3. Remove the front suspension wheel knuckle before renewing the front hub/wheel bearing bolts. Refer to TOPIx 204-01 FRONT SUSPENSION > WHEEL KNUCKLE.
4. Renew each front hub/wheel bearing bolt one at a time following the sequence illustration in TOPIx 204-01 FRONT SUSPENSION > FRONT WHEEL BEARING. Before each new bolt is installed, make sure the thread within the hub/ bearing housing is clear of foreign material.

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