

TECHNICAL BULLETIN

LTB00497NAS

31 OCT 2012



LTB00497 REPLACES TECHNICAL BULLETIN 57/05/05 (ISSUE 2);
CHANGES ARE NOT HIGHLIGHTED

SECTION: 211-04

Steering Column Reach Motor Noise

AFFECTED VEHICLE RANGE:

Range Rover (LM)

VIN: 3A101029 - 9A306629
Model Year: 2003 - 2009

CONDITION SUMMARY:

Situation: The steering column reach motor may be noisy.

Cause: This may be caused by an internal fault within the steering column reach motor mechanism or a lack of reach spindle lubrication.

Action: In the event of a customer concern of the above, refer to the Repair Procedure outlined below to.

PARTS:

QME500090 Steering column reach motor kit Qty: 1
QMY500010 Grease Qty: 1

TOOLS:

Refer to Workshop Manual for any required special tools

WARRANTY:

△ **NOTE:** Repair procedures are under constant review, and therefore times are subject to change; those quoted here must be taken as guidance only. Always refer to DDW to obtain the latest repair time.

DDW requires the use of causal part numbers. Labor only claims must show the causal part number with a quantity of zero.

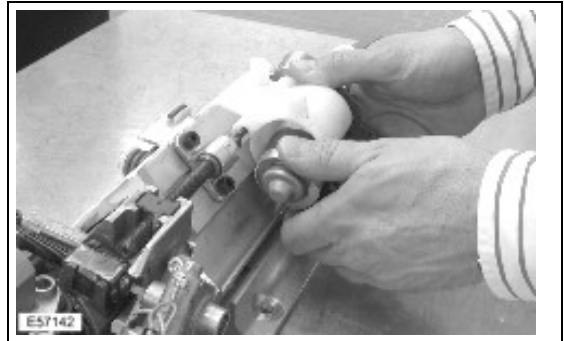
DESCRIPTION	SRO	TIME (HOURS)	CONDITION CODE	CAUSAL PART
Replace steering column reach motor - 2003-2006MY	57.41.03	1.60	41	QMB000162
Replace steering column reach motor - 2007-2009MY	57.41.03	0.90	41	QMB000162

Normal Warranty policies and procedures apply

NOTE: The information in Technical Bulletins is intended for use by trained, professional Technicians with the knowledge, tools, and equipment required to do the job properly and safely. It informs these Technicians of conditions that may occur on some vehicles, or provides information that could assist in proper vehicle service. The procedures should not be performed by 'do-it-yourselfers'. If you are not a Retailer, do not assume that a condition described affects your vehicle. Contact an authorized Land Rover service facility to determine whether this bulletin applies to a specific vehicle.

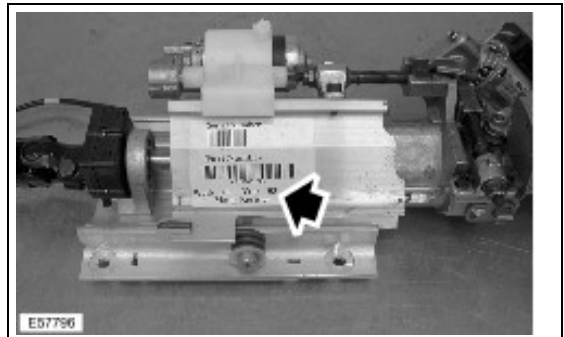
REPAIR PROCEDURE

1. Assess the noise steering column reach motor noise:
 - If the reach motor has a whirring/humming noise when operated that is considered unacceptable when compared to another vehicle, proceed to step 2.
 - If the noise is a mechanical noise, such as a squeak or squeal noise during adjustment, proceed to step 15
2. Refer to Workshop Manual section 57.40.01 / 211-04 and remove the steering column assembly.
3. Release and remove the reach motor from the steering column, leaving the plastic clip in place.
 - If the plastic motor clip is broken, refer to steps 11 and 12.

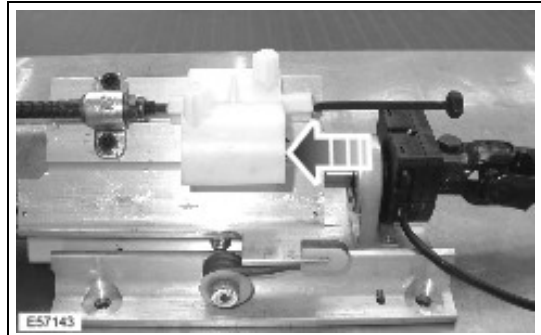


4. Remove the flexible drive from the steering column.

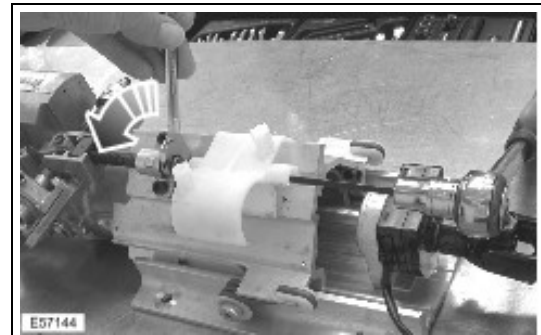
5. **△ NOTE: Up to Week Number 44 Year 03 Column Number <73067, carry on from step 6.**
After Week Number 44 Year 03 Column Number <73067, carry on from step 11 (refer to illustration for date code label).
Check steering column number / date code.



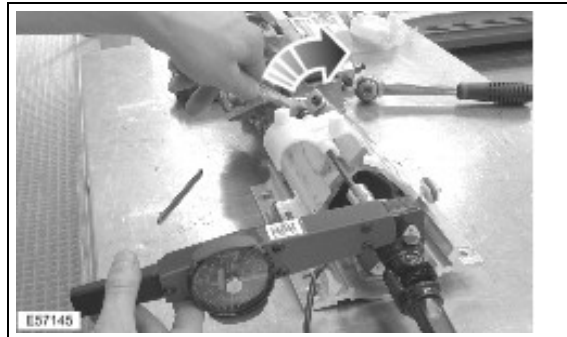
6. Insert the special tool (QME500100) into the square drive of the spindle.



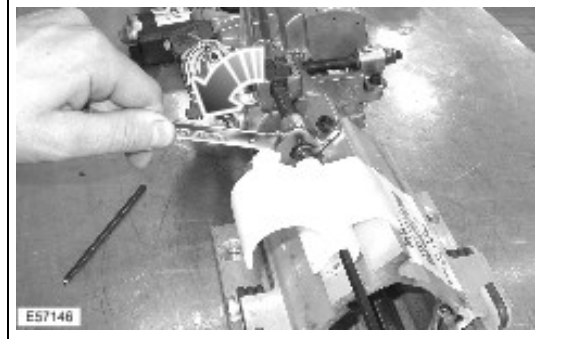
7. While holding the shaft with the tool, release the spindle nut half a turn.



8. While holding the shaft with the tool, tighten the spindle nut to 6Nm.

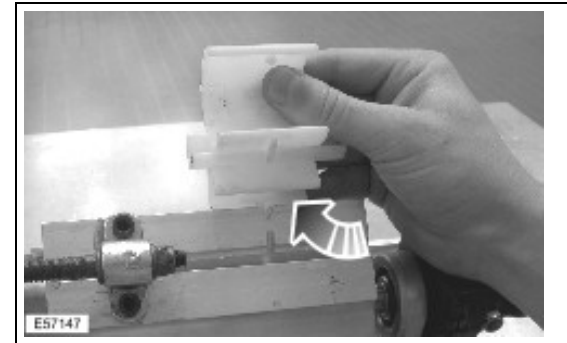


9. While holding the shaft with the tool, release the spindle nut one flat.



10. Remove the tool.

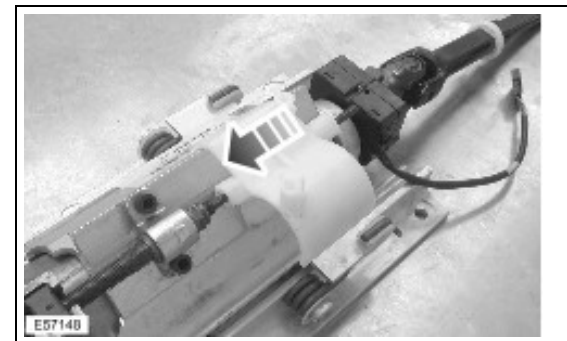
11. If the plastic motor clip is broken or breaks during motor removal, remove the clip by levering it off.



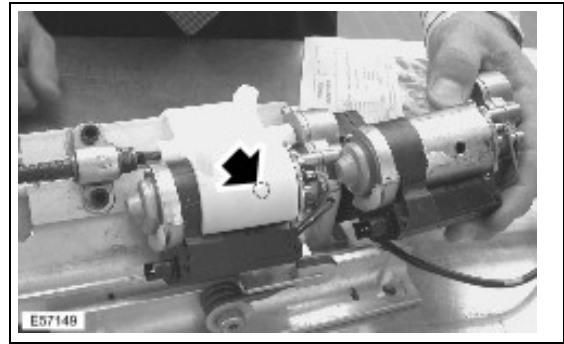
12. To install the new plastic motor clip, align the key on plastic clip with machined slot on the aluminum body of the column. There will be a loud snapping noise as the clip engages.

- Check that the key is located in the slot and the clip is securely located.

13. Insert the flexible drive into the spindle.



14. Slide the motor fully back into the plastic clip, guiding the flexible drive into the gearbox housing of the motor.
 - Ensure the peg locates fully into the motor and the motor is correctly located in the clip.



15. **⚠ CAUTION: Insufficient application of grease can lead to the noise returning.**
Apply grease (QYL500010) onto the tilt and reach spindles.
16. Operate the column adjustment through the full range of travel to evenly distribute grease along the entire spindle length and assess for noise during operation.
17. Refer to Workshop Manual section 57.40.01 / 211-04 and install the steering column assembly. .