

# TECHNICAL INFORMATION



## Unexplained "SELECT NEUTRAL" Message Display on Instrument Pack

No: 54/01/05/NAS  
 FGN LM205  
 Ref:  
 Issue: 1  
 Date: 18 March 2005

**AFFECTED VEHICLE RANGE:**

Range Rover (LM) All

**SITUATION:**

**"SELECT NEUTRAL" MESSAGE DISPLAYED**

A customer may report a concern that the 'Select Neutral' message is illuminated on the Instrument Panel message center. A second message for 'Low Range' may also illuminate. Engine speed may not maintain expected vehicle road speed.

**RESOLUTION:**

**INSPECT FOR DRIVESHAFT DISENGAGEMENT**

Upon customer complaint of the "Select Neutral" message refer to the Repair Procedure detailed in this bulletin. Diagnosis may reveal that the root cause of the display and symptoms is the disengagement of a **front driveshaft** from the differential.

**PARTS INFORMATION:**

TKE000040 ..... Driveshaft retaining circlip Qty 1  
 IED500022 ..... Driveshaft (right-hand) Qty 1  
 IED500032 ..... Driveshaft (left-hand) Qty 1

**DDW WARRANTY CLAIMS:**

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
Check front driveshafts for gaps and movement	47.10.89/29	0.20	12	TKE000040

*Normal warranty policy and procedures apply.  
 Material allowance is included in labor operation.*

**NOTE:** The information in Technical Information 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 the bulletin applies to a specific vehicle.

TIB 54/10/05/NAS	CIRCULATE: TO	Service Mgr X	Warranty X	Workshop X	Body Shop X	Parts X
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## REPAIR PROCEDURE

### INSPECT DRIVESHAFT ENGAGEMENT

1. Carry out the following steps to verify if disengagement of a driveshaft is the cause of the complaint:
  - Raise the vehicle so the front wheels are freely suspended.
  - Verify that there is no visible gap between the front drive shaft inboard joint and the differential housing on the left-hand side. (Insert "✓" in Figure 1)
  - Verify that there is no visible gap between the front inboard joint and the engine sump on the right-hand side. (Insert "✓" in Figure 1)



**CAUTION:** If the driveshaft retaining circlip is disengaged, manual force alone will be sufficient to move the driveshaft inboard joint from its correct location (Dashed arrow in Figure 1). Tools or levers should NOT be used as this may cause the disengagement of the circlip.



**NOTE:** Marginal driveshaft retaining circlip engagement, can cause an intermittent condition. Therefore it is important that circlip engagement be checked carefully.

- Inspect both of the front drive shafts and verify they are fully engaged into the differential.
- Manually check the security of the drive shaft inboard joint into the differential housing.

### REPAIR OR REPLACE DRIVESHAFT



**NOTE:** GTR lookup sequence is as follows:

GTR Home > North America > Service Information/ LM New Range Rover/2005 > Workshop Manuals > Service Procedures > Bookmark "DRIVESHAFTS/REPAIRS" > link "Drive shaft – front – LH or RH"

1. If driveshaft disengagement is identified as the root cause, refer to GTR Workshop Manual Section 46.10.01 or 47.10.02 and remove the affected driveshaft.
2. Inspect the driveshaft for damage that could affect retention of the new circlip.
3. If the driveshaft is *not* damaged, perform the following:
  - Install a new retaining circlip and re-install the original driveshaft.
  - Manually check the security of the drive shaft inboard joint into the differential housing.
  - Claim driveshaft remove and replace as a separate warranty repair.
4. If the driveshaft is damaged, perform the following:
  - Install a new driveshaft and circlip.
  - Manually check the security of the drive shaft inboard joint into the differential housing.
  - Claim driveshaft remove and replace as a separate warranty repair.

Figure 1

