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Reference	SSM68378
Models	Range Rover Sport / L320 LR3 / L319 Freelander / L314 LR2 / L359 Range Rover Evoque / L538 Range Rover / P38a Range Rover (All New) / L405 Discovery 2 / L318 LR4 / L319 Range Rover / L322 Range Rover Classic Defender / L316 Discovery 1 Range Rover Sport / L494
Title	Audio Speaker System Diagnosis
Category	Electrical
Last modified	23-Sep-2013 00:00:00
Symptom	207000 Entertainment Systems
Content	Issue: This SSM has been released to address the high number of speaker assemblies returned, many of which are deemed as "No Fault Found". Cause: Incorrect diagnosis. Action: Prior to changing any loudspeaker or Subwoofer Assembly, please check the following:- - That all speaker fixing screws are secure and correctly torqued. - The harness assembly is not vibrating against speaker unit. - The harness assembly is not trapped or impeding the speaker unit. - Check harness assembly connections are fully inserted and secure. - Check that all surrounding trim panels are correctly fixed and not causing any vibration that could be attributed to the speaker. Once the speaker unit is removed from vehicle, re-connect the harness and check for reported failure mode, whilst holding the speaker away from its mounting points, if it does not show the reported failure mode, then the fault is not with the speaker and attention should be directed to the surrounding assemblies.

If investigating a customer complaint of no camera graphical display, then please follow the below instructions

1) Enable camera display
2) Check functionality of graphics
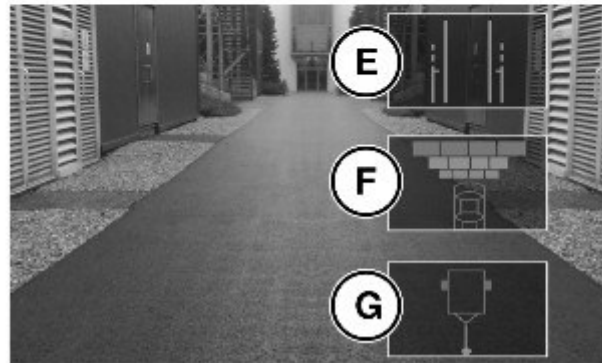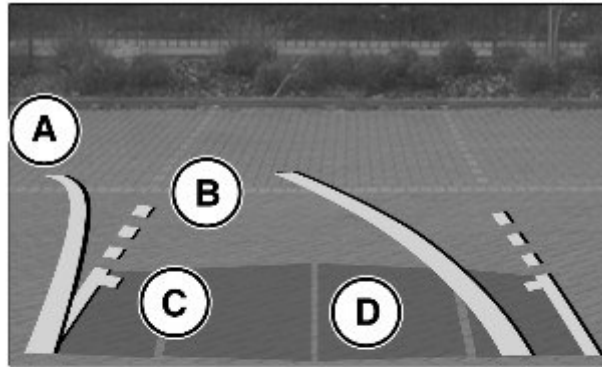
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NB : The camera system operates via touch screen demand on graphic icon (E, F, G) with enable/disable of the below functions

User Option : Touch to enable/disable

a) Icon E

This icon will enable/disable Solid Line **A**, Dotted Line **B** and Tailgate Access guideline **C**

Solid Line A

Displays projected path based on current steering wheel position

Dotted Line B

The safe working width of the vehicle

Tailgate Access Guideline C

Do not reverse beyond this point if tailgate access is required

b) Icon F

This icon will enable/disable Parking sensor graphics, with a coloured area appearing **(D)**, to indicate which rear sensor(s) have been activated.

c) Icon G

This icon will enable/disable Tow Hitch Assist, which provides a trajectory line indicating the path of the towball in relation to the steering angle applied to the vehicle.

If functionality of all three graphic icons is correct, then please advise customer on enable/disable of each icon.

3) If the camera is found to be failing upon graphical display(s), then obtain a CAN trace, which will be required to allow further investigation into the root cause

   a. Prepare to record a CAN trace as per SSM 56157 – Do not follow the whole procedure – only to the start logging step
   b. Put vehicle into run condition
   c. Start to record the CAN messages
   d. Apply Brake
   e. Select Reverse
   f. Check functionality of graphic displays
   g. Record issue(s) to reference in technical verbatim for the claim
   h. Select Park
   i. Select STOP switch
   j. Stop the CAN trace
   k. If the failure was captured, submit an EPQR with the recorded data and DTC information from the vehicle