

Reference	SSM73678
Models	Range Rover / L405 Range Rover Evoque / L538 Range Rover Sport / L494
Title	Unexpected noise from Head Up Display (HUD) when active
Category	Electrical
Last modified	31-Jan-2018 00:00:00
Symptom	204000 Instrumentation
Attachments	HUD Noise.m4a

Content**Issue:**

Unexpected noise from Head-Up Display (HUD)

Cause:

A small number of units were manufactured with inadequate lubrication of an internal rotating component

Action:*Step 1*

- Start engine
- Confirm HUD is enabled and display is visible
- Listen for noise from HUD
- Compare a noises with attached sound file
- If noise matches sound file then replace HUD
- If noise does not match sound file then proceed to step 2

Step 2

- Disconnect the HUD Cooling Fan flylead (Please refer to the Head Up Display Cooling Fan Motor Removal Instructions in section 413-08 of the Workshop Manual).
- Start engine
- Listen for noise from HUD
- If the noise is not now present, reconnect the HUD Cooling fan Flylead, and re-check for the noise.

Please note

- The HUD cooling fan will produce noise when active.
- The HUD cooling fan will typically be active in high ambient temperatures (>45°C/113°F)
- The HUD cooling fan may be active for up to 25 minutes

· If the HUD cooling fan operates for more than 25 minutes this indicates a fault in the wiring or head up display cooling fan control

- The HUDCFM will store Diagnostic Trouble code U3000-49 in the event that an internal Electronic Failure has occurred. The HUDCFM should be replaced if this Diagnostic Trouble Code has been stored.
 - The HUD Cooling Fan will operate when a voltage >0V is present at the fan control pin (C2MC56AMD-2: see vehicle wiring diagram). Disable the Head-Up Display via the Instrument Cluster menu, and probe this pin in line with the procedure detailed in the workshop manual, section 418. If a voltage >0v is present, an electrical short circuit is present in the wiring harness, and should be investigated further.
 - In the event that a voltage >0v is not present, an internal fault with the HUD cooling fan is likely, and the module should be replaced.
- If the HUD cooling fan operates for less than 25 minutes please explain to the customer that this noise is normal

Technicians - Please rate this SSM and provide comments so that future communications can be improved.

1 = Poor – Basic information provided – The SSM does not help me resolve the customer concern.

3 = Average – Adequate information provided – The SSM partially helps me resolve the customer concern.

5 = Excellent – All required information provided to resolve the customer concern.