



DATE: 2023/05/24

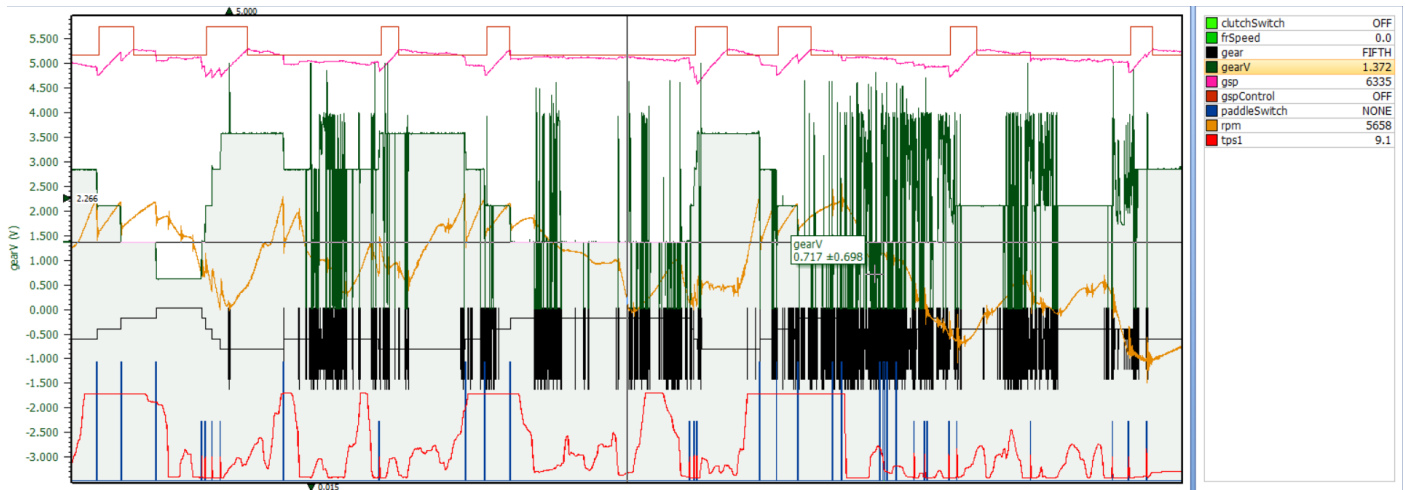
MODEL: SR3/SR1 K8 ENGINE

**GEAR POSITION SENSOR WIRING ROUTING****PRIORITY – MEDIUM (MONITOR)**

Customers are reminded to check the routing of the gear position sensor wiring on older Radicals to prevent electrical issues.

If the wiring has overheated and been damaged the issue will typically present itself in one of three separate ways:

1. Driver will notice gear changes on display while gear change was not requested or shift issues when trying to change gear
2. Gear position and gear voltage trace on Life View will read incorreccted as shown below.



3. Physical inspection of the wiring will uncover heat damage or wiring damage as per the image below. Note that the wiring damage could be internal and not always as obvious.



To prevent this issue, as part of normal maintenance, customers are advised to:

1. Unplug the sensor and remove the heat sleeve.
2. Check the wiring and plug for any damage.
3. Release the whole length of the Gear position sensor wiring on the harness side.
4. Reapply the heat sleeve making sure the whole length of the wiring is covered. In case the heat sleeve is too short, source a replacement of correct length.
5. Secure heat sleeve on the engine side with cable tie.

6. Route protected wiring as far away from the exhaust as possible and secure in position using cable ties as per image below.

