

Technical Services Bulletin #22

Remote Node

Exterior Engine Compartment Installations

(P/N: ENGND04101 rev E and under)

It has come to our attention that a small number of field reports on operation of the Remote Node (p/n: ENGND04101 rev E and under) have occurred. This prompted in an investigation, analysis, and follow-up for product usages where the product may be exposed to temperatures higher than originally specified in the installation instructions and that we had validated the product to during development.

In some instances, product installations against uneven surfaces and exposure to high temperature conditions beyond rated product specifications resulted in degradation of the sealing of the module. These instances resulted in damage to the node and tripping the main vehicle fuse, as designed. A recommended replacement module is being offered, at no charge, as a replacement product for high temperature node installations (ex. certain engine compartments, radiator proximity), with a higher temperature rated sealing system and flat mounting plate for use where uneven mounting surfaces are to be used. No issues have been detected for nodes mounted in trunks, occupant compartments, etc.

Technical Information:

The present node has an operational specification range of -40° to +65°C (85°C de-rated current level at the upper temperature). The replacement part has an operational specification range of -40° to +85°C (105°C de-rated current level at the upper temperature).

The present node utilizes a clear sealing material to view LED indicators on the circuit board. The higher temperature material is opaque, blocking view of the LED indicators. The replacement node utilizes a clear light pipe to visually see the Address Indicator LED and Diagnostic Indicator LED. There is no change in the circuit board, only the sealing materials. There is no change to software access and features for the node.

Some installations were also observed where a “twist” of the plastic node housing was created due to the uneven mounting location. Additional mechanical stress to the sealing material, due to mounting location on the vehicle must be avoided. As a result, the replacement node will also include a metal plate that fits under the node, using the same size and hole pattern as the current installation, to create a flat mounting platform for the node without having to change the vehicle wiring. The installation guide is also updated, to better highlight that the node must be mounted in a flat manner. See the new Installation sheet for all operational and mounting details.

Requesting replacement nodes:

Eligibility: Remote Nodes (p/n: ENGND04101 rev E and under) exposed to engine compartment high heat environments.

Contact: SoundOff Signal - Technical Services by calling 1-800-338-7337 Option #4.
Or email requests to TechGroup@soundoffsignal.com

****Pre-Configured requests:** Certified installers are recommended to install the replacement module. In certain instances, a pre-configured node can be requested for a specific vehicle configuration. If the node ID is known at the time of the RMA request, the default ID value can be set prior to shipment. In some instances, this simplifies the field replacement to be a plug & play. Request for this must be made when arranging for the replacement node. Also note that full professional safety precautions must be observed when working on a vehicle electrical system.