

G63 Prolonged and/or Increased High Idle RPM at Start

Topic number	LI07.61-P-069057
Version	1
Function group	07.61 ME fuel injection/ ignition system
Date	11-21-2018
Validity	All G63 vehicles equipped with M157
Reason for change	
Reason for block	

Complaint:

After updating the ME software the vehicle idles at its raised, cold-start value for a prolonged period of time. The cold start idle RPM may also be higher than it was prior to the software flash.

Cause:

Beginning with SW version A 157 903 83 00 a slightly higher and prolonged idle was implemented during catalyst heating periods as well as spans where the catalyst temperature is held at an elevated state. This idle enhancement is also active after short standstills (~15 minutes or less in duration) when the catalyst temperature decreases below the minimum operational threshold (such as when the vehicle is driven a short distance and turned off). The slightly higher idle speed (the increase in idle RPM) is necessary to attain catalyst operating temperature faster in order to comply with emissions regulations.

Remedy:

The idle may be noted as being substantially higher than the pre-ME SW update idle. If this occurs the instrument cluster (IC) may not be relaying the engine off time to the ME properly. This results in the ME defaulting to a standard engine off time calculated from the engine coolant temperature which in turn can result in a substantially higher cold start idle RPM.

For this reason, any time the ME SW is updated the IC software must also be checked and updated to the latest SW version available.

Symptoms
Power generation / Engine management / Engine running / RPM too high/low