

SERVICE INFORMATION BULLETIN

TITLE : Odometer value accumulation with a front wheel speed sensor removed

DOCUMENT # : 11 M 013

AFFECTED VEHICLES : 12C

SITUATION : Quality Engineering at McLaren Automotive have found that it is possible to increase the odometer value by disconnecting one of the front wheel speed sensors. This only occurs if the vehicle is also in ignition state 5 or 6.

PROCEDURE : A wheel speed sensor should not be removed whilst the vehicle is 'awake'. The full failure situation is outlined below:

If a single front wheel speed sensor is disconnected, whilst the other one remains plugged in, a value of zero will be transmitted. When the vehicle is in ignition state 5 or 6 the vehicle speed logic will fail and go to a very high value. This will cause the odometer reading to increase.

To avoid this circumstance, never disconnect either front wheel speed sensor with the vehicle in ignition state 5 or 6. If for any reason you have to disconnect a wheel speed sensor, ensure that both front wheel speed sensors are disconnected whilst the vehicle is in a low ignition state. It is then possible to go into ignition state 5 and 6 without the odometer reading increase occurring.

A new software release will eliminate this discrepancy. Until notification of a new software platform release this procedure will need to be adhered to.

Please be aware that the rear wheel speed sensors do not replicate this issue, but the above process should still be adhered to as good working practice when working on rear wheel speed sensors.

Please contact your Regional Aftersales Manager if you have any queries relating to the information contained within this bulletin.