

McLaren Artura E-diff Warning Message Displayed

Document Information

Location: Powertrain

Topic: E-Diff fault: System disabled warning message displayed on instrument cluster

Condition: Permanent/Intermittent

Diagnostic Trouble Codes: N/A

Measure

E-diff fault warning message can be induced on to the instrument cluster by cycling the ignition 15 times without starting the powertrain.

This is due to the EDPC allowing for a maximum of 15 power cycles without a kiss point learn routine being completed successfully. In each ignition cycle like this, as there is no new kiss point available, it's the previous kiss point that would be recovered from memory and used.

Once triggered, the warning will remain until the kiss point is learnt successfully. A powertrain start will successfully complete the kiss point learn routine. Once the warning has been cleared it will not reappear until 15 ignition cycles are completed again without powertrain start.

Should the warning message on the instrument cluster not clear after starting the powertrain please carry out the following.

1. Using the MDS tool, carry out the following sequences in ESP
 1. Program VIN
 2. Align Vehicle Configuration
 3. ESP Assembly Check
 4. EPB Caliper Usage Reset
2. Then run the sequence in EDPC
 1. E-differential Kiss Point reset
3. Start the powertrain and take a note of the kiss point value
4. Induce an E-Diff warning message by performing 15 ignition cycles without starting the powertrain. E-Diff warning message is expected to appear at the 16th ignition cycle
5. Start the powertrain once the warning has appeared on the instrument cluster screen, confirm that the warning message disappears immediately
6. Stop the powertrain and switch the ignition back on, confirm the warning message is not present
7. Repeat the EDPC EOL 10 times always noting down the kiss point result, make sure that the values are consistent but different most of the time for example 151,154,152,159

Should you have a value below 150 and the warning message has not cleared, please submit a Technical Request with all the information above.

Parts Information

N/A

Attachments

N/A