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Document Information

Location: Powertrain

Topic: McLaren Artura Transmission E-Pump Noise

Condition: Intermittent

Diagnostic Trouble Codes:

HYCU:

P086892 – Line pressure too Low – Performance or incorrect Operation

P086700 – Line pressure unresponsive (near zero bar) – No Sub Type Information

Measure

If you are presented with a McLaren Artura exhibiting either of the following symptoms it may indicate that the transmission has low oil level:

- A noise from the transmission area that sounds like the noise in the video [\[LINK\]](#)
- Both DTC's listed below (*The customer may have experienced limited transmission operation if these DTC's occurred*)
 - P086892 – Line pressure too Low – Performance or incorrect Operation
 - P086700 – Line pressure unresponsive (near zero bar) – No Sub Type Information

The noise from the transmission may be caused by the e-pump drawing air instead of oil.

Triggering Conditions

The vehicle may have triggered the DTC's or the noise may be more noticeable under the following conditions:

- Cold weather conditions due to the oil being more viscous (thicker)
- When the e-pump is in use (vehicle in E-Mode or Reverse only)

An example scenario could be the customer experienced limited transmission operation when reversing or during slow manoeuvres.

Valuable questions to ask the customer if these symptoms were experienced:

- What were the ambient conditions at the time the concern was experienced?
- What powertrain mode the vehicle was in?
- Was the vehicle in Reverse gear and for how long?

The customer may report the noise stopped when the vehicle was up to operating temperature or conditions where the m-pump was being used (not the e-pump).

The m-pump takes over from the e-pump under the following conditions:

- Speeds above 3-10 km/h in any powertrain mode (including E-Mode)
- When the combustion engine is running and the K0 clutch is closed (Sport, Track, and some E-Mode scenarios)

Note: The m-pump is not used in reverse

Technician Actions

If you have identified these symptoms in the listed conditions, please proceed to complete a transmission oil level check and top up if necessary, following the McLaren Service Portal instructions.

Care Point: A full oil drain is not required

Should this not resolve the concern, please raise a Technical Request for further assistance attaching all gathered documents, videos, transmission health check and diagnosis form and any other information relevant to the concern.

Parts Information

N/A

Attachments

Transmission e-pump noise [LINK]

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