Diagnostic Trouble Code (DTC) U008088 - US17+OBD16 Emissions And Newer

U008088 is a general Datalink 7 (DL7) CAN communications fault. It can be logged by either the Engine Control Module (EMS) or Aftertreatment Control Module (ACM) when there is an issue detected on the CAN line. There is currently a software issue whereby U0080 is not consistently inhibiting DL7 communication faults, such as:

- U010C – Engine lost communication with turbo
- U029D or U029E – NOx sensor communication faults
- U02A3 – Particulate Matter sensor communication fault
- P1148 - Turbo lost communication with engine

If a vehicle has code U008088 showing as 'Active' on a DTC Readout:

1. **Check for other active codes.**

   - **If there are no other active fault codes:** Follow Guided Diagnostics for U008088 for an open or shorted communication circuit.

   - **If any of the communication faults listed above are 'Active' at the same time as U0080:** They SHOULD NOT be used for fault tracing. These faults are coming up in error.

2. **Check for non-OEM NOx sensors**

   - Refer to solution CBR-2114 for more information.

If a vehicle has code U008088 showing as 'Inactive' on a DTC Readout:

1. **Check for other active codes.**

   - **If any of the communication faults listed above are 'Active' while U0080 is 'Inactive':** These faults are real. Troubleshooting SHOULD be performed on the communication faults.

   - **If any of the communication faults listed above are also 'Inactive':** They SHOULD NOT be used for fault tracing. These

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faults have come up in error.

2. Check for non-OEM NOx sensors

- Refer to solution CBR-2114 for more information.

Typical causes of U008088:

- Non-OEM NOx sensors
- Open circuit on CAN-L
- Short circuit between CAN-H and ground or power
- Excessive resistance in CAN lines
- Short circuit between CAN-H and CAN-L
- Short circuit between CAN-L and power

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