

General Service Issues for OBD

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General Service Issues

What benefits does OBD bring to the Service environment?

- standardization - test modes, DTCs, communication protocols, PIDs, etc.
- comprehensive diagnostics
- standardized vehicle information (Mode 09, Mode 06)
- freeze frame
- service info
- reprogramming

General Service Issues

What issues are seen with OBD in the Service environment?

System codes (evap, misfire, fuel) are hard to fix. For example, P0300; Is it ignition (coil, wires, plugs, PCM), fuel (injectors, fuel pump, fuel filter) base engine (valves, intake gaskets, compression), crankshaft sensor, transmission flywheel damper, etc, etc.

Distributed system DTCs are hard to document and fix. For example, A/C doesn't work. A/C button wired to HVAC module. HVAC module sends button status on MSCAN to IC. IC converts to HSCAN and sends button status to PCM. PCM enables A/C clutch.

General Service Issues

What should be changed?

- Standardized control system information.
- Update to ISO 14229 services.
- Others?????