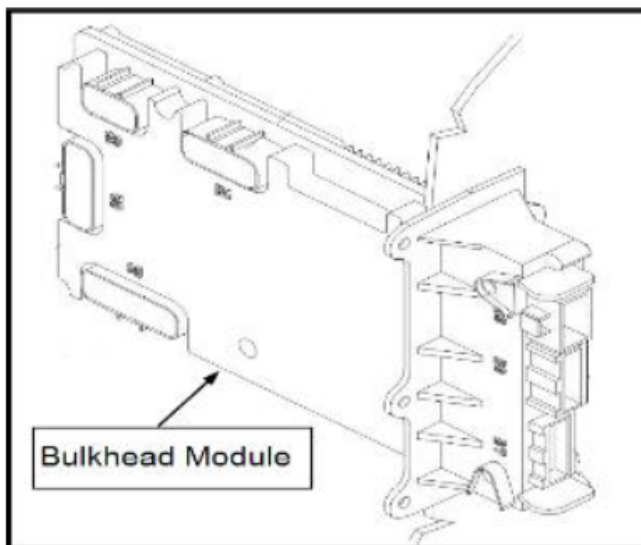


**Problem Details:**

- On model year 2016 and earlier, dealers reported having issues with Bulkhead Modules not wanting to program. This affected the following M2, 108SD, 114SD vehicles.
  - Most of these vehicles were built before 2016 OBD requirements went into effect
  - There may be *exceptions* for the following:
    - Export vehicles
    - Vehicles with engines not subject to 2016 OBD requirements (example: natural gas engine)
- Bulkhead Module (BHM) software versions prior to 7.30, including:
  - 6.10 software (initial M2 production)
  - 6.30 software
  - 6.40 software
  - 6.50 software
  - 6.60 software
  - 7.10 software

**Note:** This solution *does not apply* to newer model year vehicles, with software versions 7.30, 7.41, 7.43, 7.44, or 7.45 software.

**Field Containment:**
 No  Yes

- Service Solution **published 5/07/2024.**
  - SS 3146 - FTL M2, 108SD, 114SD - Unable to Program Replacement Bulkhead Module - Certain Model Years**

**Root Cause:**
 No  Yes

- Mainframe computer systems were changed to work with DiagnosticLink before DiagnosticLink replaced ServiceLink as the service tool for the legacy M2 platform. These systems were further modified to work with the CHEC body builder tool.

**Soluton:**
 No  Yes

When this solution was written, there was no effective solution for upgrading the BHM on an affected vehicle.

DTNA recommends that technicians re-use the existing BHM, *where practical*, and complete wiring diagnosis before replacing the BHM. For example, corrosion present on contact pins on the BHM can be cleaned in many cases. DTNA recognizes that there are certain hardware failures - such as a failure of the J1939 transceiver - that cannot be addressed in this manner.

**PLEASE NOTE:** As of 8/7/2024 changes were made to the tools used to determine Bulkhead Module (BHM) migration and compatibilities. The solution that was being applied as a containment, is no longer required. If replacing a Bulkhead module, refer to Excelerator for the latest hardware displayed in module 32A. Attached is a document "Bulkhead Module Programming Instructions" that should be used when programming the new BHM. If encountering any issues when programming the BHM, please capture screen prints of all error messages encountered, a log file with all ECUs connected and parameters read. Create a DTTS case with the logfile and screen prints attached. Please document in the description field the BHM hardware P/N (example P/N 06-75157-001) and software level being targeted (example of a software level U.r.2.A0.07.30),