

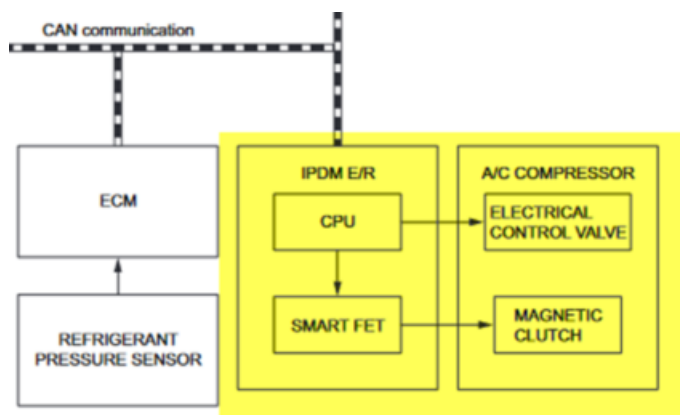
**\*\* TECHNICAL INFORMATION NOTICE \*\***

**DATE:** August 13, 2021  
**TO:** Mitsubishi Motors US Service and Parts Managers  
**RE:** AC Inoperable and Compressor Fails to Engage  
**TIN NO.** TIN-21-55-001

**AFFECTED VEHICLES:** 2022 Outlander

When diagnosing a 2022 OUTLANDER, be aware that the logic of the IPDM (Intelligent Power Distribution Module) may inhibit power from being applied to the compressor as part of its self-protection logic. The technology in the IPDM uses a Smart FET (Field Effect Transistor) to protect the system. Due to this protection system the IPDM will continue to inhibit power supply to the compressor until the code is cleared in the IPDM.

- ❖ When Smart FET integrated in IPDM E/R (Electronic/Relay) turns on, electricity is supplied to field coil, clutch is pulled to pulley and engages, rotational movement is transmitted from crankshaft pulley → Drive belt → Clutch Disk → Drive shaft --AC compressor is operated. **When Smart FET turns off, electricity is not supplied to field coil, and clutch disc is released from pulley. AC compressor is not operated as a result of IPDM inhibiting power to compressor.**



- ❖ **NOTE:** When the IPDM / Smart FET inhibits operation to the compressor, a code will be stored in the IPDM and will continue to inhibit power from reaching the compressor clutch until the code is cleared using MUT3 SE.
- ❖ When faced with diagnosing a concern where power is not supplied to the AC compressor:
  - **Print out the ALL DTC and FFD first for documentation purposes.**
  - Inspect connectors B62 & B63 for connector tightness and terminal tightness and apply Stabilant - 22 to the terminals, before resealing.
  - Ensure the AC system is not under charged or over charged.
  - **CLEAR the codes in the IPDM and retest the system for normal operation.**
- ❖ Does the compressor clutch now engage after clearing the code?
  - **YES**—No further action is needed and a claim can be placed for diagnosing the system and repairing the connector.
  - **NO**—Continue diagnosis as per the service manual and contact the TechLine if needed.

**NOTE:** Please make sure to adhere to the Warranty Policy and Procedures for any claims submitted.