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GROUP: 08 - Electrical

DATE: September 16, 2020

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This bulletin supersedes Technical Service Bulletin 08-047-19, date of issue May 11, 2019, which should be removed from your files. All revisions are highlighted with **asterisks**** and include additional symptom/condition, 2020 model year and LOP.**

SUBJECT:

Flash: Park Assist Module (PAM) Enhancement

OVERVIEW:

This bulletin involves updating the PAM software with the latest available software.

MODELS:

2019 - ****2020**** (DT) RAM 1500 Pickup

NOTE: This bulletin applies to vehicles within the following markets/countries: North America, LATAM, EMEA and APAC.

NOTE: This bulletin applies to vehicles equipped with Parksense Ft/Rr Park Assist W/Stop (Sales Code XH4) and/or Parallel & Perp Park Assist W/Stop (Sales Code XH5).

SYMPTOM/CONDITION:

Customers may experience an Electronic Vehicle Information Center (EVIC) message. These DTCs may be setting erroneously and this software enhancement will remove these DTCs. Upon further investigation the technician may find that one or more of the following DTCs have been set:

NOTE: The following DTCs apply to 2019 model year vehicles only.

- B128E-25 - PTS Sensor 1-Signal Shape/Waveform Failure.
- B128F-25 - PTS Sensor 2-Signal Shape/Waveform Failure.
- B1290-25 - PTS Sensor 3-Signal Shape/Waveform Failure.
- B1291-25 - PTS Sensor 4-Signal Shape/Waveform Failure.
- B1292-25 - PTS Sensor 5-Signal Shape/Waveform Failure.
- B1293-25 - PTS Sensor 6-Signal Shape/Waveform Failure.
- B1295-25 - PTS Sensor 8-Signal Shape/Waveform Failure.
- B1296-25 - PTS Sensor 9-Signal Shape/Waveform Failure.
- B1297-25 - PTS Sensor 10-Signal Shape/Waveform Failure.
- B1298-25 - PTS Sensor 11-Signal Shape/Waveform Failure.
- B1299-25 - PTS Sensor 12-Signal Shape/Waveform Failure.

Customers may experience the following:

- ****False detection by the front sensors due to locking onto random moving objects or while coming to a stop when braking hard.****
- When backing up, the park assist feature will apply the brakes when no object is behind the vehicle.

DIAGNOSIS:

Using a Scan Tool (wiTECH) with the appropriate Diagnostic Procedures available in DealerCONNECT/Service Library, verify all related systems are functioning as designed. If DTCs or symptom conditions, other than the ones listed above are present, record the issues on the repair order and repair as necessary before proceeding further with this bulletin.

If the customer describes the symptom/condition listed above or if the technician finds the DTC, perform the Repair Procedure.

REPAIR PROCEDURE:

NOTE: Install a battery charger to ensure battery voltage does not drop below 13.2 volts. Do not allow the charging voltage to climb above 13.5 volts during the flash process.

NOTE: If this flash process is interrupted/aborted, the flash should be restarted.

1. Reprogram the PAM with the latest software. Detailed instructions for flashing control modules using the wiTECH Diagnostic Application are available by selecting the application's "HELP" tab.
2. Clear all DTCs that may have been set in any module due to reprogramming. The wiTECH application will automatically present all DTCs after the flash and allow them to be cleared.

POLICY:

Reimbursable within the provisions of the warranty.

TIME ALLOWANCE:

Labor Operation No:	Description	Skill Category	Amount
18-20-05-9N	Module, Park Assist (PAM) - Reprogram (0 - Introduction)	6 - Electrical and Body Systems	0.2 Hrs.

NOTE: The expected completion time for the flash download portion of this procedure is approximately 4 minutes. Actual flash download times may be affected by vehicle connection and network capabilities.

FAILURE CODE:

The dealer must use failure code CC with this Service Bulletin.

- If the customer's concern matches the SYMPTOM/CONDITION identified in the Service Bulletin, failure code CC is to be used.
- When utilizing this failure code, the 3C's (customer's concern, cause and correction) must be provided for processing Service Bulletin flash/reprogramming conditions.

CC	Customer Concern
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