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Case Number: S2218000023

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Symptom/Vehicle Issue: Malfunction Indicator Lamp (MIL) Illuminated. Diagnostic Trouble Code (DTC) U02A3 – Lost Communication With Particulate Matter (PM) Sensor, Set After PM Sensor Replacement.

Customer Complaint: The technician may encounter a MIL Illumination with DTC U02A3 set in the Powertrain Control Module (PCM) memory after installing a new PM sensor. The PM sensor may have been replaced for another issue not related to the U02A3 DTC.

The cause of the concern may be due to an incorrect variant PM sensor installed on the vehicle during the repair. If the technician encounters the issue, please perform the following repair procedure.

Repair Procedure:

1. Gain access to the PM sensor module. For detailed repair procedures, refer to Service Library Service Information Section 11 – Exhaust System > Sensor, Particulate Matter > Removal and Installation.

NOTE: It may not be necessary to completely remove the sensor to gain access to the part number.

2. Record the part number stamped on the PM sensor module.

This document does not authorize warranty repairs. This communication documents a record of past experiences. STAR Online does not provide any conclusions about what is wrong with the vehicle. Rather, it captures all previous cases known that appear to be similar or related to the vehicle symptom / condition. You are the expert, and you are responsible for deciding on the appropriate course of action.

Contact STAR Center, or your Technical Assistance Center Via TechConnect, eCONTACT or Service Library entry if no solution is found.



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3. Refer to (Table 1), was the sensor that was ordered/installed one of the following part numbers, or does the PM sensor module have one of the part numbers stamped on it, based on vehicle application?
 - a. Yes>>> Proceed to (Step 4).
 - b. No>>> This document no longer applies. Please follow normal published diagnostics for the concern and repair as necessary.

Vehicle Model	Part Number
Renegade (BV)	6000633291
Compass (MP)	6000633292
Compass (M7)	6000633291
Cherokee (KL)	68620445AA

Table 1

4. Replace the PM sensor again. Refer to (Table 2) and replace the PM sensor using the correct part number listed for the vehicle application. For detailed repair procedures, refer to Service Library Service Information Section 11 – Exhaust System > Sensor, Particulate Matter > Removal and Installation.

Vehicle Model	Part Number
Renegade (BV)	46345721
Compass (MP)	68365997AD
Compass (M7)	46345721
Cherokee (KL)	68328718AD

Table 2

5. Return the incorrect PM sensor to Mopar through the normal parts return process. Use reason code KQ (stock remediation) to process the return.

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