

Technical Service Bulletin (TSB)
Spark Plug Melting

REFERENCE:	TSB: 09-026-25 GROUP: 09 - Engine	Date:	September 3, 2025	REVISION:	–
VEHICLES AFFECTED:	2022 - 2025 (B1) Jeep Renegade 2022 - 2025 (M1) Jeep Commander 2022 - 2025 (H1) Jeep Compass (Brazil) This bulletin applies to vehicles built on or before December 31, 2024 (MDH 1231XX) equipped with the 1.3L I4 Turbo MAIR DI Engine w/ESS E100 (Sales Code EYJ).			MARKET APPLICABILITY: ☐ NA☐ MEA ☐ EE☐ IAP ☒ SA☐ CH NOTE: This bulletin applies to the South America market.	
CUSTOMER SYMPTOM:	Customers must experience a Malfunction Indicator Lamp (MIL) illumination and the vehicle must exhibit/set one or more of the following Diagnostic Trouble Codes (DTCs): ● P0300 -00 - Random/Multiple Cylinder - Misfire Detected. ● P0301 -00 - Cylinder 1 - Misfire Detected. ● P0302 -00 - Cylinder 2 - Misfire Detected. ● P0303 -00 - Cylinder 3 - Misfire Detected. ● P0304 -00 - Cylinder 4 - Misfire Detected. ● P1336 -00 - Combustion misfiring (impact on catalytic converter) : Cylinder undetermined. ● P1337 - Combustion misfiring (impact on catalytic converter) : Cylinder 1. ● P1338 - Combustion misfiring (impact on catalytic converter) : Cylinder 2. ● P1339 - Combustion misfiring (impact on catalytic converter) : Cylinder 3. ● P1340 - Combustion misfiring (impact on catalytic converter) : Cylinder 4. Customers may also experience one or more of the following: ● Engine makes a loud metallic knocking noise at idle. ● Difficulty starting. ● Rough and noisy idle.				
CAUSE:	Spark plug electrode melting.				

REPAIR SUMMARY:

This bulletin involves inspecting for DTCs, inspecting for engine leaks and/or damage, and replacing the spark plugs.

CLAIMS DATA:

Labor Operation No:	Labor Description	Skill Category	Labor Time
08-17-02-9D	Scan For DTCs, Inspect Engine, Replace Spark Plugs And Inspect Cylinder For Damage. (0 - Introduction)	1 - Engine Repair and Performance	0.6 Hrs.
Failure Code	ZZ	Service Action	

SPARE PARTS:

Qty	Part No.	Description	Notes
4 (AR)	68566749AA MOPAR 46336161 SA	Spark plugs	—

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 above, perform the repair procedure.

SPECIAL TOOLS/EQUIPMENT:

Description	Ref. No.	Notes
wiTECH or Equivalent	-	-
Borescope	NPN	-

REPAIR PROCEDURE:

- Using wiTECH, scan for DTCs.
- Are the following DTCs active or stored: P0087 and/or P0088 and/or P0089 and/or P006C ?
 - YES>>> Do not perform this TSB. Consult the TSBs published in Service Library (if there is no TSB to perform, consult wiSolve and the technical documentation).
 - NO>>> Proceed to [Step 3](#).
- Is DTC P06DD active or stored?
 - YES>>> Do not perform this TSB. Consult the TSBs published in Service Library (if there is no TSB to apply, consult wiSolve and the technical documentation).
 - NO>>> Proceed to [Step 4](#).

4. Has coolant leaked (or consumed) from any cooling system component (gasket, pipe, radiator, engine, etc.)?
 - YES>>> Do not perform this TSB. Consult the TSBs published in Service Library (if there is no TSB to perform, consult wiSolve and the technical documentation).
 - NO>>> Proceed to [Step 5](#).
5. Was there an engine oil leak (or consumption) from any component (gasket, pipe, engine, etc.)?
 - YES>>> Do not perform this TSB. Consult the TSBs published in the Service Library (if there is no TSB to perform, consult wiSolve and the technical documentation).
 - NO>>> Proceed to [Step 6](#).
6. Remove the spark plugs. Refer to the detailed service procedures available in DealerCONNECT/Service Library under: Service Info> 5510D10 – Velas de ignição – Remoção e Recolocação.
7. Inspect all four spark plugs.
8. Are the electrodes on any of the spark plugs melted?
 - YES>>> Proceed to [Step 9](#).
 - NO>>> Do not perform TSB. Consult the TSBs published in Service Library (if there is no TSB to perform, consult wiSolve and the technical documentation). Reinstall Spark Plugs.
9. Check the inside of the cylinders with an automotive videoscope (endoscope or borescope).
10. Is there damage to the valves (intake/exhaust), cylinder head, and/or pistons?
 - YES>>> Collect the parts required for engine repair and apply the Repair Procedure (replace the spark plugs).
 - NO>>> Perform the Repair Procedure(replace the spark plugs). Refer to the detailed service procedures available in DealerCONNECT/Service Library under: Service Info> 5510D10 – Velas de ignição – Remoção e Recolocação.
11. Clear DTCs.

NOTE: Since it is impossible to predict which parts are required for the repair, collect the parts and then consult the current Warranty Manual for possible Prior Authorization before performing the repair.

NOTE: If there is unburned oil on the electrodes of one of the spark plugs (in rare cases), it will be necessary to remove the pistons to check the piston rings and grooves and cylinders (out-of-roundness, concentricity, etc.).

NOTE: Check if there is a software update available in wiTECH for the ECM control unit. If so, perform the update. Save the Scan Report before and after the update (for possible warranty claims).

CAUTION!

This TSB is not applicable in the following cases:

- Use of fuel clearly outside of technical specifications (adulterated gasoline or poor-quality ethanol).
- Installation of spark plugs incompatible with the original design (incorrect heat range or non-approved model).
- Incorrect spark plug installation (inadequate tightening, non-spec torque) during a previous operation.
- Unauthorized ECU reprogramming (chip tuning, remapping, etc.).
- Use of non-approved performance systems or accessories (downpipe, intercooler, modified turbo).
- Installation of a non-approved or improperly calibrated CNG (vehicle natural gas) system.
- Lack of preventive maintenance on the ignition or fuel system (spark plugs, fuel filter, etc.).
- Frequent, severe driving outside of normal operating standards (continuous use at high RPMs, on closed tracks or in competitions, etc.).

NOTE: After applying this TSB, it is not necessary to send DID-I or DID-A.

POLICY:

Reimbursable within the provisions of the warranty.

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