

Technical Service Bulletin (TSB)

Malfunction Indicator Light (MIL) Due To Possible Faulty O2 Sensor

REFERENCE:	TSB: 25-002-24 REV. A GROUP: 25 - Emissions Control	Date:	July 9, 2024	REVISION:	25-002-24
VEHICLES AFFECTED:	2023 (JT) Jeep Gladiator This bulletin applies to vehicles built on or after October 15, 2023 (MDH 1015XX) and on or before January 06, 2024 (MDH 0106XX) equipped with the 3.0L V6 Turbo Diesel Engine w/ESS (Sales Code EXJ).			MARKET APPLICABILITY: ☒ NA☒ **IAP** ☒ **SA**☒ **CH** ☒ EE ☒ **MEA** **	
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):** • **P026D - Fuel Injection Quantity Higher Than Expected. • P0133 - O2 Sensor 1/1 Slow Response.** • P2297 - O2 Sensor Out of Range During Deceleration Bank 1 Sensor 1.				
CAUSE:	Sensor Malfunction				

This bulletin supersedes Technical Service Bulletin (TSB) 25-002-24, date of issue April 20, 2024, which should be removed from your files. All revisions are highlighted with ****asterisks**** and include new DTCs, added markets, updated Customer Symptom statement, updated Repair Procedure.

This Technical Service Bulletin (TSB) has also been released as a Rapid Service Update (RSU) 24-078, date of issue April 20, 2024. All applicable RSU VINs have been loaded. To verify this RSU service action is applicable to the vehicle, use VIP or perform a VIN search in DealerCONNECT/Service Library. All repairs are reimbursable within the provisions of warranty.

REPAIR SUMMARY:

This bulletin involves inspecting for proper O2 sensor adaptation and, if necessary, replacing the O2 sensor.

CLAIMS DATA:

Labor Operation No:	Labor Description	Skill Category	Labor Time
25-01-70-9H	Test Drive Vehicle - Monitor O2 Performance (2 - Skilled)	25 - Emissions Control	0.6 Hrs.
25-01-70-9J	Test Drive Vehicle - Monitor O2 Performance - Replace O2 Sensor (2 - Skilled)	25 - Emissions Control	1.1 Hrs.
Failure Code	ZZ	Service Action	

SPARE PARTS:

Qty	Part No.	Description	Notes
1 (AR)	68171190AC	Sensor, Oxygen	Bank 1 Sensor 1
1 (AR)	06509135AA	Push Pin M6x20	
5 (AR)	06505411AA	Push Pin M6.3x18.60	
7 (AR)	06506007AA	Rivet - M6.6 x 25.0	

SPECIAL TOOLS/EQUIPMENT:

Description	Ref. No.	Notes
wiTech or Equivalent	-	-

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 a customer's VIN is listed in VIP or your RSU VIN list, perform the repair. If any vehicle not on the VIN list exhibits any of the symptom listed above in the customer symptom section, perform the Repair Procedure.

REPAIR PROCEDURE:

1. Complete a Road Test to see if O2 Adaptation is completed 8-16 km (5-10 miles) - Highway speeds need to be reached during road test after the vehicle is fully warmed up.
2. A 10 second (no throttle) coastdown (on an exit ramp if possible) from 112 Kph (70 Mph) to 64 Kph (40 Mph) needs to be achieved. This maneuver allows the ECU to run the plausibility check of the O2 Sensor.
3. Check Status of the O2 Sensor Adaptation: Using WiTech, check the Lambda (O2) Sensor value "O2 (UEGO) Sensor Adaptation":

NOTE: If the value reads 0.024414062 this indicates that the O2 sensor did not complete plausibility during the drive and the road test needs to be repeated to establish the O2 Adaptation and Plausibility.

4. Is the sensor value between 0.02442 and 0.0282?
 - YES>>> The O2 Sensor is not at fault. Use Inspect LOP (25-01-70-9H) to close this active RSU. Further diagnosis is needed.
 - NO>>> Proceed to [Step 5](#).
5. Is the sensor value above 0.0282?
 - YES>>> The O2 sensor needs to be replaced. Proceed to [Step 6](#).
 - NO>>> Further diagnosis is needed.
6. Replace the O2 Sensor. Refer to the detailed service procedures available in DealerCONNECT/Service Library under: Service Info> 09 - Engine, 3.0L Turbo Diesel / Engine Sensors / Removal and Installation.
7. Run the wiTech routine "O2 Sensor Replace" in the PCM.

NOTE: This routine will initialize the O2 sensor. The routine should only be ran if the O2 sensor, ECM, MAF, fuel injector or rail sensor have been replaced.

8. **Clear all DTCs that may have been set.**

POLICY:

Reimbursable within the provisions of the warranty.

This bulletin is supplied as technical information only and is not an authorization for repair. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, or otherwise, without written permission of FCA US LLC.