

Technical Service Bulletin (TSB)

Multiple Systems Repair Bundle Campaign

REFERENCE:	TSB: 23-019-25 GROUP: 23 - Body	Date:	April 22, 2025	REVISION:	—
VEHICLES AFFECTED:	2025 (JL) Jeep Wrangler This bulletin applies to vehicles built on or after July 01, 2024 (MDH 0701XX) and on or before February 28, 2025 (MDH 0228XX).			MARKET APPLICABILITY: ☐ NA☐ MEA ☐ SA☒ IAP ☐ EE☐ CH	
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): • P0133 - O2 Sensor 1/1 Slow Response. • P2251 - O2 Sensor 1/1 Negative Current Control Circuit/Open. • P0131 - O2 Sensor 1/1 Circuit Low. • P2626 - O2 Sensor 1/1 Pump Cell Current Trim Circuit/Open. • P0607 - ECU Internal Performance. • C140A - Transfer Case Motor Control. • P02EE - Cylinder 1 injector Circuit Performance. • P02EF - Cylinder 2 injector Circuit Performance. • P02F0 - Cylinder 3 Injector Circuit Performance. • P02F1 - Cylinder 4 Injector Circuit Performance. • U0109 - Lost Communication With Fuel Pump Control Module. • P0330 - Knock Sensor 2 Circuit. • P023B - Charge Air Cooler Coolant Pump "A" Control Circuit Low. • P2110 - Electronic Throttle Control - Forced Limited RPM. Customers may also experience one or more of the following: • Seatbelt warning light and warning sound do not go off even when the passenger seat belt is fastened. • Coolant leak from under the long life coolant reserve tank. • Fuel cap strap broken. • Door not opening / hard to open for both right side doors. • Lumber switch inoperative. • Right front seat cover stitch is tore out. • Header seal deformation.				
CAUSE:	Manufacturing issue				

This Technical Service Bulletin (TSB) has also been released as a Rapid Service Update (RSU) 25-069, date of issue April 22, 2025. 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 performing multiple inspections and repairs based on the listed Customer Symptoms.

CLAIMS DATA:

Labor Operation No:	Labor Description	Skill Category	Labor Time
23-41-01-90	Multiple Systems - All Inspections	6 - Electrical and Body Systems	0.4 Hrs.
23-41-01-92	Sensor, Oxygen - Replace Upstream (2.0 Liter DI Gas) (2 - Skilled)	1 - Engine Repair and Performance	0.4 Hrs.
23-41-01-93	Pump, Primary/Auxiliary Coolant - Test and Replace Charge Air Coolant Pump (2.0 Liter DI Gas) (1 - Semi-Skilled)	1 - Engine Repair and Performance	0.5 Hrs.
23-41-01-94	Latch, Door - Replace Front Door - Right (1 - Semi-Skilled)	6 - Electrical and Body Systems	1.1 Hrs.
23-41-01-95	Latch, Door - Replace Rear Door - Right (1 - Semi-Skilled)	6 - Electrical and Body Systems	0.9 Hrs.
23-41-01-96	Module, Powertrain/ Engine Control (PCM-ECM) - Test and Replace (2.0 Liter DI Gas) (2 - Skilled)	1 - Engine Repair and Performance	0.7 Hrs.
23-41-01-97	Throttle Body - Replace (2.0 Liter DI Gas) (2 - Skilled)	1 - Engine Repair and Performance	2.7 Hrs.
23-41-01-98	Seat Belt, Buckle Half (Inner) - Replace Rear - Right (1 - Semi-Skilled)	6 - Electrical and Body Systems	0.3 Hrs.
23-41-01-99	Sensor, Knock - Test and Replace - Flywheel Side Sensor, Rear (2.0 Liter DI Gas) (2 - Skilled)	1 - Engine Repair and Performance	2.6 Hrs.
23-41-01-9A	Switch, Power Lumbar - Test and Replace - Passenger Seat (1 - Semi-Skilled)	6 - Electrical and Body Systems	0.3 Hrs.
23-41-01-9B	Cover, Front Seat Back - Test and Replace Bucket Seat - Std - Right or Left - Power Seat (1 - Semi-Skilled)	6 - Electrical and Body Systems	1.1 Hrs.
23-41-01-9C	Windshield Header Seal - Replace	6 - Electrical and Body Systems	0.4 Hrs.
Failure Code	ZY	Service Action	

RELATED LOPS:

Labor Operation No:	Labor Description	Skill Category	Labor Time
07-FF-02-50	Coolant, Supercharger/ Turbo Charger/MGU System - Drain and Fill (1 - Semi-Skilled)	1 - Engine Repair and Performance	0.3 Hrs.

SPARE PARTS:

Qty	Part No.	Description	Notes
1 (AR)	7KA56TX7AA	Buckle, Rear Seat, Two Buckles	
1 (AR)	68364312AC	Bottle, Coolant Recovery	
1 (AR)	68357474AC	Cap Kit, Fuel Tank Locking	
1 (AR)	68456844AA	Latch, Front Door	
1 (AR)	68617422AB	Sensor, Oxygen, Upstream	
1 (AR)	68290300AA	Pump, Auxiliary Coolant	
1 (AR)	68654606AA	Control Module, Generic Engine, GPEC V	
1 (AR)	68428448AB	Throttle Body, ETC	
1 (AR)	68577697AA	Switch, Lumbar Control	
1 (AR)	7TA07TX7AB	Cover, Left Front Seat Back	
1 (AR)	68577697AA	Knock Sensor	
1 (AR)	68271695AI	Weatherstrip, Windshield Header	
(AR)	68163848GB	Antifreeze, Coolant, Gallon	

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.

SPECIAL TOOLS/EQUIPMENT:

Description	Ref. No.	Notes
wiTECH or equivalent	-	-

REPAIR PROCEDURE:

1. Do the seatbelt warning light and warning sound not turn off even when the passenger seat belt is fastened?
 - YES>>> Proceed to [Step 2](#).
 - NO>>> Proceed to [Step 3](#).
2. Replace the rear seat belt buckle. Refer to the detailed service procedures available in DealerCONNECT/Service Library under: Service Info> 10 - Restraints / Buckle, Seat Belt / Removal and Installation.
3. Do either right front or right rear door not open?
 - YES>>> Proceed to [Step 4](#).
 - NO>>> Proceed to [Step 5](#).
4. Replace the right front and rear door latch. Refer to the detailed service procedures available in DealerCONNECT/Service Library under: Service Info> 23 - Body / Doors - Front or Rear / Latch, Door / Removal and Installation.
5. Does the vehicle set DTC P0330 - Knock Sensor 2 Circuit?
 - YES>>> Proceed to [Step 6](#).
 - NO>>> Proceed to [Step 7](#).
6. Replace the knock sensor. Refer to the detailed service procedures available in DealerCONNECT/Service Library under: Service Info> 09 - Engine, 3.6L / Engine Sensors / Removal and Installation.
7. Does the power seat lumbar switch operate?
 - YES>>> Proceed to [Step 9](#).
 - NO>>> Proceed to [Step 8](#).
8. Replace the lumbar switch. Refer to the detailed service procedures available in DealerCONNECT/Service Library under: Service Info> 08 - Electrical / 8N - Power Systems / Power Seats / Switch, Seat / Removal and Installation.
9. Does the front left seat back cover have stitches tearing out?
 - YES>>> Proceed to [Step 10](#).
 - NO>>> proceed to [Step 11](#).
10. Replace the left front seat back cover. Refer to the detailed service procedures available in DealerCONNECT/Service Library under: Service Info> 23 - Body / Seats, First Row / Cover, Seat Back / Removal and Installation.

11. Is the header weatherstrip deformed?

- YES>>> Proceed to [Step 12](#).
- NO>>> Proceed to [Step 13](#).

12. Replace the header weatherstrip. Refer to the detailed service procedures available in DealerCONNECT/Service Library under: Service Info> 23 - Body / Weatherstrip / Seals / Weatherstrip, Header, Roof / Removal and Installation.

13. Is the fuel cap tether strap broken?

- a. YES>>> Proceed to [Step 14](#).
- b. NO>>> Proceed to [Step 16](#).

14. Remove the fuel cap tether strap fastener securing the strap to the fuel door housing [Fig. 1](#).

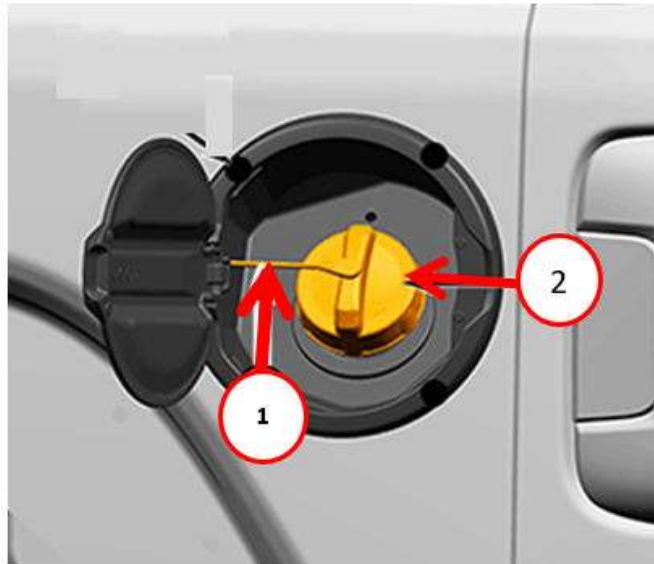


Fig. 1
Fuel Cap Replacement

1 - Fuel Cap Tether
2 - Fuel Cap

15. Replace the fuel cap tether strap and the fuel cap assembly.

16. Is there a coolant leak from the coolant bottle?

- YES>>> Proceed to [Step 17](#).
- NO>>> Proceed to [Step 18](#).

17. Replace the coolant bottle. Refer to the detailed service procedures available in DealerCONNECT/Service Library under: Service Info> 09 - Engine, 3.6L / Cooling System / Engine Cooling / Bottle, Coolant / Removal and Installation.

18. Does the vehicle any of the following DTCs?

- P0133 - O2 Sensor 1/1 Slow Response.
- P2251 - O2 Sensor 1/1 Negative Current Control Circuit/Open.
- P0131 - O2 Sensor 1/1 Circuit Low.
- P2626 - O2 Sensor 1/1 Pump Cell Current Trim Circuit/Open.
- YES>>> Proceed to [Step 19](#).
- NO>>> Proceed to [Step 20](#).

19. Replace the upstream oxygen sensor. Refer to the detailed service procedures available in DealerCONNECT/Service Library under: Service Info> 09 - Engine, 3.6L / Engine Sensors / Removal and Installation.

20. Does the vehicle set P023B - Charge Air Cooler Coolant Pump "A" Control Circuit Low?

- YES>>> Proceed to [Step 21](#).
- NO>>> Proceed to [Step 22](#).

21. Replace the low temperature auxiliary coolant pump. Refer to the detailed service procedures available in DealerCONNECT/Service Library under: Service Info> 09 - Engine, 3.6L / Cooling System / Low Temperature Cooling System / Pump, Coolant / Removal and Installation.

22. Does the vehicle set any of the following DTCs?

- U0109 - Lost Communication With Fuel Pump Control Module.
- P02EE - Cylinder 1 injector Circuit Performance.
- P02EF - Cylinder 2 injector Circuit Performance.
- P02F0 - Cylinder 3 Injector Circuit Performance.
- P02F1 - Cylinder 4 Injector Circuit Performance.
- P0607 - ECU Internal Performance.
- C140A - Transfer Case Motor Control.

- YES>>> Proceed to [Step 23](#).
- NO>>> Proceed to [Step 24](#).

23. Replace the Powertrain Control Module (PCM). Refer to the detailed service procedures available in DealerCONNECT/Service Library under: Service Info> 08 - Electrical / 8E - Electronic Control Modules / Module, Powertrain Control (PCM) / Removal and Installation.

24. Does the vehicle set DTC P2110 - Electronic Throttle Control - Forced Limited RPM?

- YES>>> Proceed to [Step 25](#).
- NO>>> Proceed to [Step 26](#).

25. Replace the throttle body. Refer to the detailed service procedures available in DealerCONNECT/Service Library under: Service Info> 09 - Engine / Air Intake System / Throttle Body / Removal and Installation.

26. Clear DTCs.

POLICY:

Reimbursable within the provisions of the warranty.

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