

Technical Service Bulletin (TSB)

Turbo to Charge Air Cooler Quick Connect Loose

REFERENCE:	TSB: 09-011-23 GROUP 09 - Engine	Date:	June 8, 2023	REVISION:	–
VEHICLES AFFECTED:	2022 - 2023 (WS) Grand Wagoneer/Wagoneer This bulletin applies to vehicles built on or after August 25, 2022 (MDH 0825XX) and on or before February 17, 2023 (MDH 0217XX) equipped with a 3.0L I6 Hurricane HO Twin Turbo ESS (Sales Code EFC).			MARKET APPLICABILITY: ☒ NA ☐ SA ☐ EE ☐ MEA ☐ IAP ☐ CH	
CUSTOMER SYMPTOM:	Customers may experience a Malfunction Indicator Lamp (MIL) illumination. Upon further investigation the technician may find that the one or more of the following Diagnostic Trouble Codes (DTCs) have been set: • P0101 - Mass Air Flow Sensor Circuit Performance. • P0236 - Turbocharger/Supercharger Boost Pressure Sensor Performance. Customers may also comment on the following: • Reduced engine performance.				
CAUSE:	Charge air cooler quick connect.				

This Technical Service Bulletin (TSB) has also been released as a Rapid Service Update (RSU) 23-163, date of issue June 08, 2023. 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. This RSU will expire 18 months after the date of issue.

REPAIR SUMMARY:

This bulletin involves inspecting turbo to charge air cooler quick connect at the turbo, performing a push-pull-push verification check on the quick connection and ensure it is locked.

CLAIMS DATA:

Labor Operation No:	Labor Description	Skill Category	Labor Time
07-55-10-90	Inspect and/or Secure Charge Air Cooler Inlet Tubes and Purge Hoses (1 - Semi-Skilled)	1 - Engine Repair and Performance	0.3 Hrs.
Failure Code	ZZ	Service Action	

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. Remove the fastener (acorn style) from the engine cover (Fig. 1) .

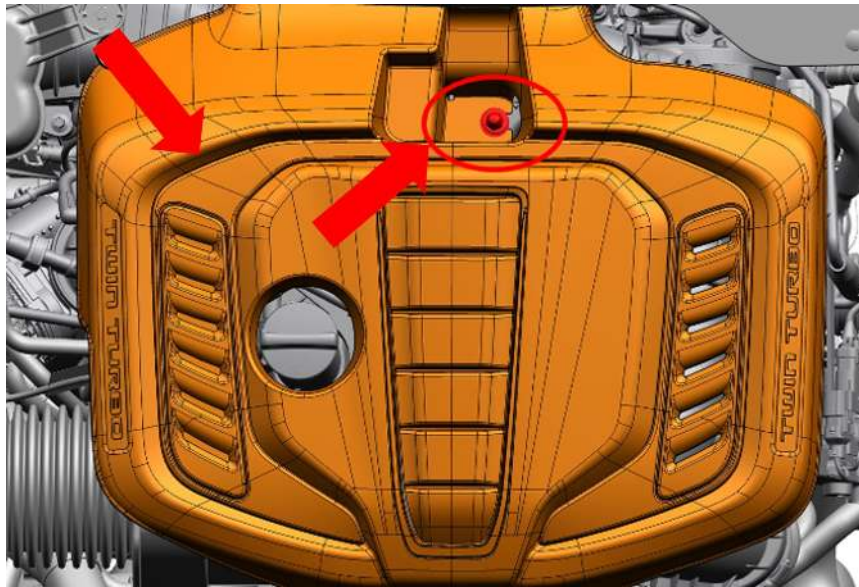


Fig. 1
Engine Cover And Fastener

2. Lift up and remove the engine cover (Fig. 1) .
3. Confirm with a push-pull-push test that the charge pipe from the front/forward turbo to the Cold Air Cooler (CAC) (Fig. 2) , is fully secured at the turbo and the quick connect is locked (Fig. 3) . **The following are examples of CACs that are not fully secure: (Fig. 4) and (Fig. 5) .**

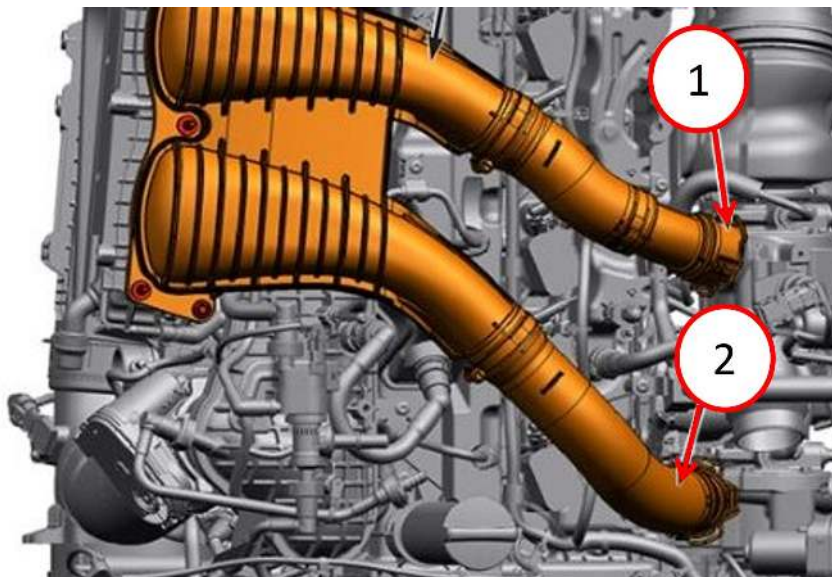


Fig. 2
Front And Rear Turbo CAC Inlet Tubes

- 1 - Rear Turbo CAC Inlet Tube
 - 2 - Front Turbo CAC Inlet Tube (Confirm With A Push-Pull-Push Test)
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Fig. 3
Fully Secured And Locked Quick Connect



Fig. 4
Quick Connect Completely Disconnected



Fig. 5
Quick Connect Not Fully Seated

4. Confirm with a push-pull-push test that both purge hoses at the intake air “Y” tube (Fig. 6) , are fully secured at the intake air “Y” tube and the quick connects are locked .

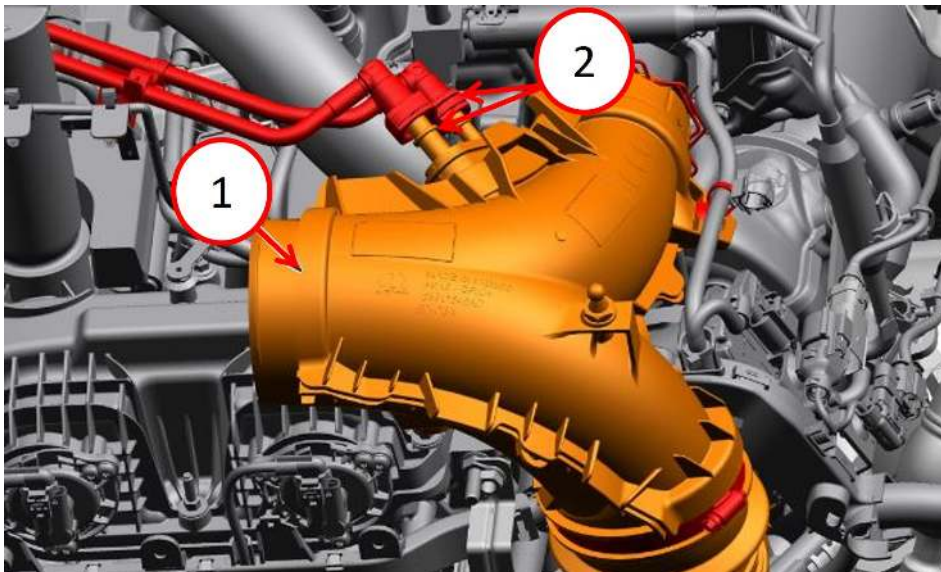


Fig. 6
Purge Hoses At Intake Air “Y” Tube

- 1 - Intake Air “Y” Tube
- 2 - Purge Hoses

5. Using wiTECH clear any DTCs that may have been set.
6. Install the engine cover (Fig. 1) .
7. Install the fastener on the engine cover (Fig. 1) .

POLICY:

Reimbursable within the provisions of the warranty.

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