



**NUMBER:** 14-005-22 REV. B

**GROUP:** 14 - Fuel System

**DATE:** August 12, 2022

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**This bulletin supersedes Technical Service Bulletin (TSB) 14-005-22 REV. A, date of issue April 12, 2022, which should be removed from your files. All revisions are highlighted with **\*\*asterisks\*\*** and include updated regions, note and sales code.**

**This Technical Service Bulletin (TSB) has also been released as a Rapid Service Update (RSU) 22-072, date of issue April 08, 2022. All applicable Un-Sold RSU VINs have been loaded. To verify this RSU service action is applicable to the Un-Sold vehicle, use VIP or perform a VIN search in DealerCONNECT/Service Library. This RSU will expire 18 months after the date of issue.**

**SUBJECT:**

Updated Fuel Filler Cap

**OVERVIEW:**

This bulletin involves updating the fuel filler cap with improved version.

**MODELS:**

2021	(JL)	Jeep Wrangler
2021	(JT)	Jeep Gladiator
2021	(LA)	Dodge Challenger
2021	(DS)	RAM 1500 Pickup
2021	(DJ)	RAM 2500 Pickup
2021	(D2)	RAM 3500 Pickup
2021	(DF)	RAM 3500 <10K Cab Chassis
2021	(DD)	RAM 3500 Cab Chassis
2021	(DP)	RAM 4500/5500 Cab Chassis
2021	(VF)	RAM ProMaster

**NOTE: This bulletin applies to vehicles within the following markets/countries: North America and APAC, **\*\*EMEA and LATAM.\*\*****

**NOTE: **\*\*Vehicles equipped with locking fuel caps (Lock Fuel Cap W/O Discriminator (sales Code XJH)) are not part of this bulletin.\*\*****

**NOTE: This bulletin applies to vehicles built on or after June 01, 2021 (MDH 0601XX) and on or before October 06, 2021 (MDH 1006XX):**

- **JT vehicles equipped with a 3.6L V6 24V VVT Engine UPG I W/ESS (Sales Code ERC) **\*\*without Lock Fuel Cap W/O Discriminator (sales Code XJH).\*\*****

**JL vehicles equipped with either:**

- 2.0L I4 DOHC DI Turbo Engine W/ ESS (Sales Code EC1) **\*\*without Lock Fuel Cap W/O Discriminator (sales Code XJH).\*\***
- 3.6L V6 24V VVT Engine UPG I W/ESS (Sales Code ERC) **\*\*without Lock Fuel Cap W/O Discriminator (sales Code XJH).\*\***
- 3.6L V6 24V VVT ETorque Engine UPG I (Sales Code ERG) **\*\*without Lock Fuel Cap W/O Discriminator (sales Code XJH).\*\***
- 6.4L V8 SRT Hemi MDS Engine (Sales Code ESG) **\*\*without Lock Fuel Cap W/O Discriminator (sales Code XJH).\*\***
- 2.0L I4 DOHC DI Turbo PHEV Engine (Sales Code ECX) **\*\*without Lock Fuel Cap W/O Discriminator (sales Code XJH).\*\***
- VF vehicles equipped with a 3.6L V6 24V VVT Engine (Sales Code ERB) **\*\*without Lock Fuel Cap W/O Discriminator (sales Code XJH).\*\***
- DP, DJ, DF, D2 & DD vehicles equipped with a 6.4L V8 Heavy Duty Hemi MDS Engine (Sales Code ESB).

**LA vehicles equipped with either:**

- 3.6L V6 24V VVT Engine (Sales Code ERB).
- 5.7L V8 HEMI VVT Engine (Sales Code EZC).
- 5.7L V8 HEMI MDS VVT Engine (Sales Code EZH).
- 6.2L Supercharged Hemi V8 SRT Engine (Sales Code ESD).
- 6.2L Supercharged HO Engine (Sales Code ESJ).
- 6.4L V8 SRT Hemi MDS Engine (Sales Code ESG).
- 6.4L V8 SRT Hemi Engine (Sales Code ESH).

**DS vehicles equipped with either:**

- 3.6L V6 24V VVT Engine (Sales Code ERB).
- 5.7L V8 HEMI MDS VVT Engine (Sales Code EZH).

***SYMPTOM/CONDITION:***

Customers may experience a Malfunction Indicator Lamp (MIL) illumination. Upon further investigation the technician may find that one or more of the following Diagnostic Trouble Codes (DTCs) have been set:

- P0455 - EVAP System Large Leak.
- P0456 - EVAP System Small Leak.
- P04EC - EVAP System Large Leak Detected - Fuel Tank Side.
- P04EE - EVAP System Very Small Leak Detected - Fuel Tank Side.

***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 RSU VIN list, proceed to [Step 1](#) of the Repair Procedure. If any vehicle with or without being on the RSU VIN list that exhibits the DTCs listed, proceed to [Step 5](#) of the Repair Procedure.

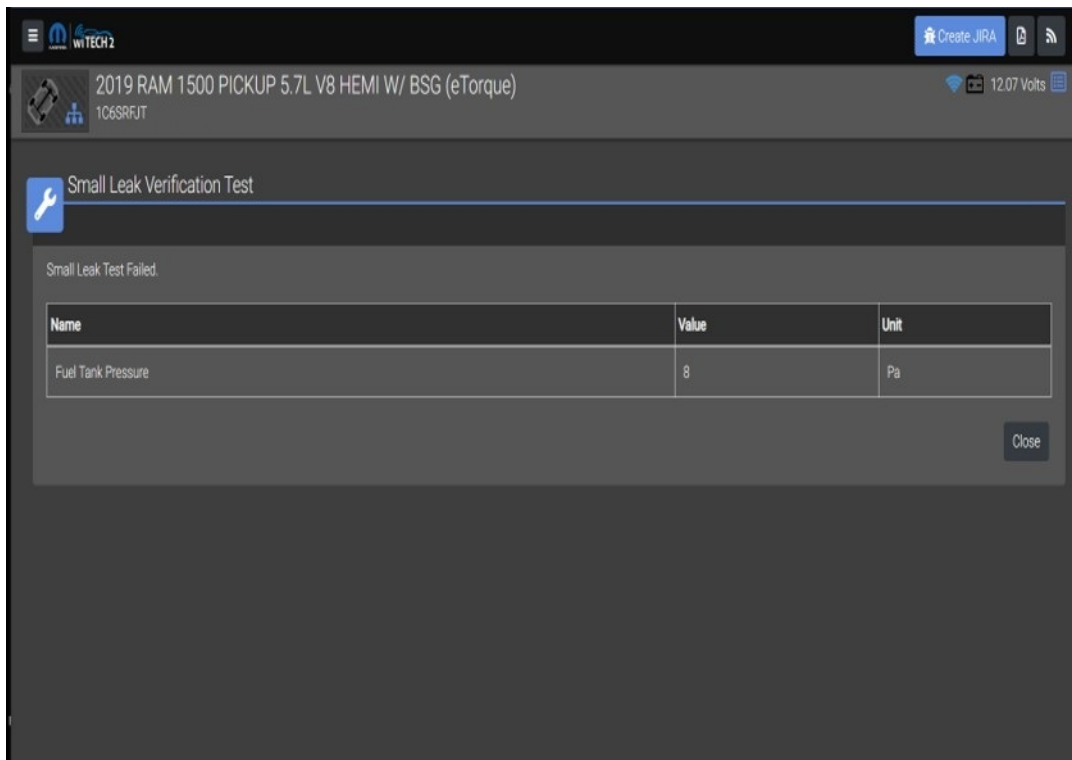
**PARTS REQUIRED:**

Qty.	Part No.	Description
1 (AR)	68484447AA	Cap, Fuel Filler (LA JL & JT) (Except JL with ECX)
1 (AR)	52030381AA	Cap, Fuel Filler (DS, D2, DJ, DD & DP)
1 (AR)	57008425AA	Cap, Fuel Filler (VF)
1 (AR)	68339343AA	Cap, Fuel Filler (JL & JT) (Canada Vehicles)
1 (AR)	68412848AC	Cap, Fuel Filler (JL) with (ECX Sales Code)

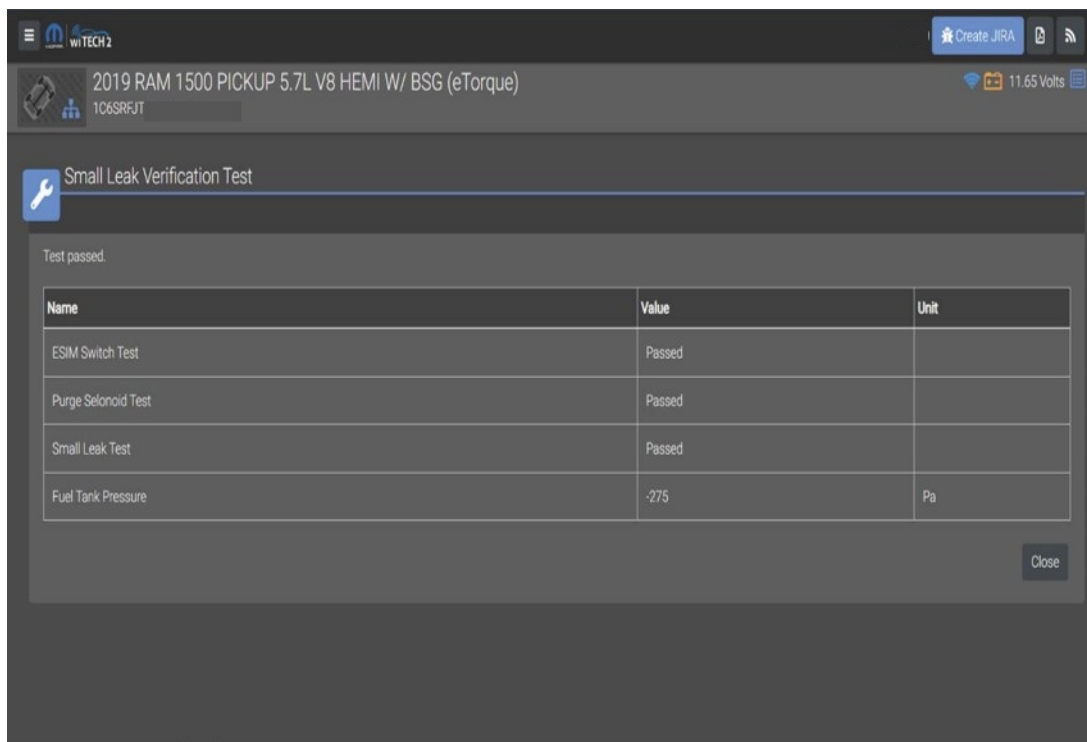
**REPAIR PROCEDURE:**

1. Is the vehicle on the RSU VIN list with **no** DTCs listed above?
  - YES>>> Proceed to [Step 2](#).
  - NO>>> Proceed to [Step 5](#) if the vehicle is on the RSU VIN list and has active DTCs.
2. Remove and discard the old fuel filler cap from the filler tube.
3. Install the new fuel filler cap on the filler tube.
4. Vehicles on the RSU VIN list with **no** DTCs repair is complete. Use LOP (14-60-05-97) to close out the active RSU.
5. Determine which DTCs are present.
  - P0456 or P04EE are present >>> Proceed to [Step 6](#).
  - P0455 or P04EC are present >>> Remove and discard the old fuel filler cap and replace with a new fuel filler cap, use LOP (14-60-05-97) to close out the active RSU. Normal diagnosis should be performed to verify no other issues are present after fuel cap replacement.
6. Remove and discard the old fuel filler cap from the filler tube.
7. Install the new fuel filler cap on the filler tube.
8. If DTC P0456 or P04EE is being displayed perform the wiTECH Small Leak Verification Test (SLVT) within wiTECH.
9. The wiTECH SLVT **MUST** be run first to verify a leak is present and run after repairing or replacing any components to verify the fix. This includes PCM Software Updates to correct P0456 or P04EE concerns.
  - A road test will **not** confirm the repair, as P0456 or P04EE are only set with multiple engine off and drive cycles, which cannot be reproduced during a dealer visit.
  - wiTECH SLVT is the only tool currently available to confirm a fix after the repair to assure the vehicle was "Fixed First Visit (FFV)".

When diagnosing the P0456 or P04EE, follow the service diagnostic procedure outlined in Service Library. The diagnostic will also help explain how to interpret the wiTECH SLVT result and determine the best repair solution (Fig. 1) or (Fig. 2) .



**Fig. 1**  
**Failed Test Screen**



**Fig. 2**  
**Passed Test Screen**

- After the SLVT leak test has been performed and it is verified that no other component is causing the DTCs.

11. Clear any DTCs that may have been set. Use LOP (14-60-05-98).

**POLICY:**

Reimbursable within the provisions of the warranty.

**TIME ALLOWANCE:**

<b>Labor Operation No:</b>	<b>Description</b>	<b>Skill Category</b>	<b>Amount</b>
14-60-05-97	Cap, Fuel Filler - Replace (0 - Introduction)	6 - Electrical and Body Systems	0.2 Hrs.
14-60-05-98	Cap, Fuel Tank Filler - Replace w/ EVAP (P0456 or P04EE) Fault Codes Present (0 - Introduction)	6 - Electrical and Body Systems	0.6 Hrs.

**FAILURE CODE:**

ZZ	Service Action
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