



NUMBER: 14-002-20

GROUP: 14 - Fuel System

DATE: November 3, 2020

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.

This Technical Service Bulletin has also been released as a Rapid Response Transmittal (RRT) 20-081, date of issue November 03, 2020. All applicable Sold and Un-Sold RRT VINs have been loaded. To verify this RRT 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 RRT will expire 18 months after the date of issue.

SUBJECT:

50 Gallon Fuel Tank Reconfiguration

OVERVIEW:

This bulletin involves inspecting the Powertrain Control Module (PCM) configuration data and performing the enable 50 gallon tank routine in wiTECH.

MODELS:

2020	(DJ)	RAM 2500 Pickup
2020	(D2)	RAM 3500 Pickup

NOTE: This bulletin applies to vehicles within the following markets/countries: North America.

NOTE: This bulletin applies to vehicles built on or before June 11, 2020 (MDH 0611XX) equipped with a 6.7L I6 Cummins Turbo Diesel Engine (Sales Code ETL), or a 6.7L I6 Cummins HO Turbo Diesel Eng (Sales Code ETM) and a 50 Gallon Fuel Tank (Sales Code NFC).

SYMPTOM/CONDITION:

Customers may experience a Malfunction Indicator Lamp (MIL) illumination. Upon further investigation the technician may find that the following Diagnostic Trouble Code (DTC) has been set:

- P0461 - Fuel Level Sensor 1 Performance (**Set in the Powertrain Control Module (PCM)**).

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 VIN is listed in VIP or your RRT VIN list, perform the Repair Procedure. **This RRT only applies to vehicles on the RRT VIN list.**

REPAIR PROCEDURE:

1. Using WiTech select the PCM icon and then the "Configuration Tab".
2. Locate the "Fuel Tank Type". Does the value read "50 Gallon Fuel Tank" and not "All Others"?
 - YES>>> Proceed to [Step 5](#).
 - NO>>> Set PCM configuration data to "50 Gallon Fuel Tank". Proceed to [Step 3](#).

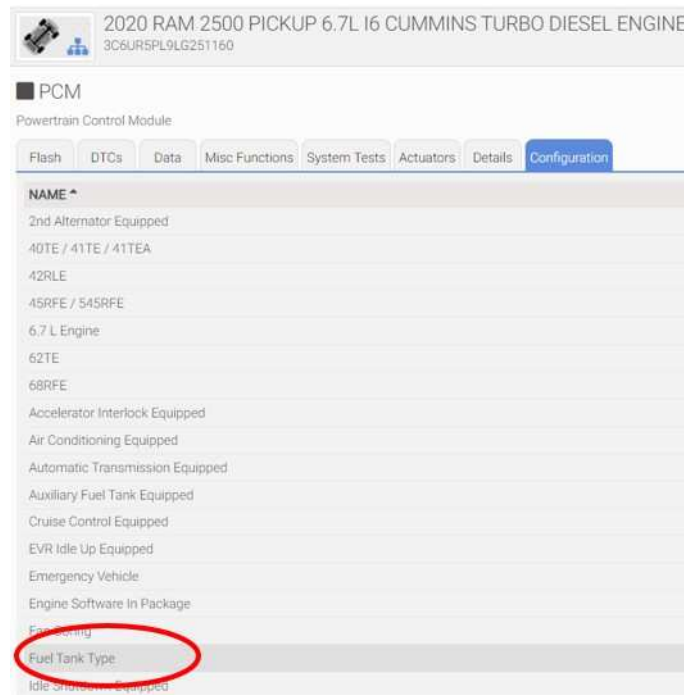


Fig. 1
Fuel Tank Type Screen

3. Navigate wiTECH to "PCM Misc Functions" and perform the "Enable 50 Gallon Tank" routine. Follow all on screen prompts.
4. Verify the PCM configuration now shows "50 Gallon Fuel Tank" option is now set
5. If the fuel tank configuration is found to be correct, or **DTC P0461** returns after correcting the option, **review the following with the customer before replacing any parts:**
 - It's possible that the customer's fueling habits could set this DTC.
 - If a customer allows the fuel tank level to fall below 14.9% and only adds small amounts of fuel to the tank keeping the fuel level below 14.9% during the 386 km (240 mi) counter, the DTC can set.
 - This is a normal characteristic of the fuel system and not a malfunction with the design of the system.

NOTE: If DTC P0461 is still present normal diagnosis should be performed.

6. This bulletin has been completed, use inspection LOP (08-19-06-9A) to close the active RRT.

POLICY:

Reimbursable within the provisions of the warranty.

TIME ALLOWANCE:

Labor Operation No:	Description	Skill Category	Amount
08-19-06-9A	Inspect Fuel Tank Configuration (1 - Semi-Skilled)	10 - Diesel	0.2 Hrs.
08-19-06-9B	Inspect Fuel Tank Configuration and Enable 50 Gallon Tank (1 - Semi-Skilled)	10 - Diesel	0.2 Hrs.

FAILURE CODE:

ZZ	Service Action
----	----------------