

Technical Service Bulletin (TSB) Powertrain Control Module (PCM) Replacement

REFERENCE:	TSB: 18-097-23 GROUP 18 - Vehicle Performance	Date:	August 29, 2023	REVISION:	18-033-22 REV. A
VEHICLES AFFECTED:	2021 - 2022 (B1) Jeep Renegade This bulletin applies to vehicles: - Built on or after August 25, 2021 (MDH 0825XX) and on or before December 20, 2021 (MDH 1220XX) equipped with a 1.8L I4 SOHC 16V SEFI Engine (Sales Code EBD) or - Built on or after August 25, 2021 (MDH 0825XX) to End Of Production (EOP) equipped with 1.8L I4 E-Torque Engine E100 (Sales Code EBF).			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 one or more of the following Diagnostic Trouble Codes (DTCs): - U0100-00 - Lost Communication with Engine Control Module (ECM). - U1701-87 - Engine Control Module (ECM) - Missing message. Customer may also experience: - Vehicle no start condition.				
CAUSE:	Powertrain Control Module (PCM) failure				

This bulletin supersedes Technical Service Bulletin (TSB) 18-033-22 REV. A, date of issue May 21, 2022 and RSU 22-029, which should be removed from your files. All revisions are highlighted with ****asterisks**** and include a new RSU number and LOP.

This Technical Service Bulletin (TSB) has also been released as a Rapid Service Update (RSU) ****23-249, date of issue August 29, 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 replacement of the PCM for a possible no start condition.

CLAIMS DATA:

Labor Operation No:	Labor Description	Skill Category	Labor Time
08-19-06-9A	Module, Powertrain Control (PCM) - Replace and Reprogram (2 - Skilled)	1 - Engine Repair and Performance	0.5 Hrs.
Failure code	ZZ	Service Action	

SPARE PARTS:

Qty	Part No.	Description	Notes
1 (AR)	68378600AA MOPAR 55282014 SA	Module, Engine Control - ECM	(Sales Code EBD)
1 (AR)	68364803AA MOPAR 55272395 SA	Module, Engine Control - ECM	(Sales Code EBF)

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. **This RSU only applies to vehicles on the RSU VIN list.**

- Is the vehicle on the RSU VIN list?
 - YES>>> Proceed to [Step 1](#) of the Repair Procedure.
 - NO>>> This bulletin does not apply. Normal diagnosis is needed.

SPECIAL TOOLS/EQUIPMENT:

Description	Ref. No.	Notes
wiTECH or Equivalent	—	—

REPAIR PROCEDURE:

- Remove the old 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.
- Install a new 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) / Installation.
- Reprogram the PCM with the latest software. Detailed instructions for flashing control modules using the wiTECH Diagnostic Application are available by selecting the application's "HELP" tab.
- Clear any DTCs that may have been set in any module due to replacement or reprogramming. The wiTECH application will automatically present all DTCs after the flash and allow them to be cleared.

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.