



NUMBER: 07-003-22

GROUP: 07 - Cooling

DATE: April 5, 2022

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.

SUBJECT:

Coolant Charge Air Cooler Pump Associated To Low Coolant Level or Diagnostic Trouble Codes (DTCs)

OVERVIEW:

This bulletin involves possible replacement of the coolant charge air cooler pump due to Diagnostic Trouble Codes (DTCs) or low coolant level message when auxiliary coolant reservoir level is not low.

MODELS:

2021 - 2022	(DT)	RAM 1500 Pickup
2021	(WK)	Jeep Grand Cherokee
2021	(WD)	Jeep Grand Cherokee
2021	(LA)	Dodge Challenger
2021	(LD)	Dodge Charger

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

NOTE: This bulletin applies to (DT) vehicles built on or before October 27, 2021 (MDH 1027XX) equipped with a 6.2L Supercharged Hemi V8 SRT Engine (Sales Code ESD).

NOTE: This bulletin applies to vehicles built on or after September 16, 2020 (MDH 0916XX) and on or before October 27, 2021 (MDH 1027XX) equipped with a 6.2L Supercharged Hemi V8 SRT Engine (Sales Code ESD) or equipped with a 6.2L Supercharged HO Engine (Sales Code ESJ).

SYMPTOM/CONDITION:

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

- P0EA7 - LTR Pump Performance.
- P026E - Charge Air Cooler Coolant Pump Performance.

In addition customers may also experience the following:

- Low coolant level message indication on cluster.

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 Diagnostic Trouble Codes (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 the customer describes the symptom/condition listed above or if the technician finds the DTC, perform the Repair Procedure.

PARTS REQUIRED:

Qty.	Part No.	Description
1 (AR)	68430016AA	Pump, Coolant Charge Air Cooler (DT with Sales Code ESD)
1 (AR)	68306477AB	Pump, Coolant Charge Air Cooler (WK/WD with Sales Code ESD)
1 (AR)	68370830AA	Pump, Coolant Charge Air Cooler (LA/LD with Sales Codes ESD or ESJ)
(AR)	68163848AB	Antifreeze/Coolant

REPAIR PROCEDURE:

1. Replace the coolant charge air cooler pump. Refer to the detailed service procedures available in DealerCONNECT/Service Library under: Service Info>07 - Cooling / Supercharger System / Pump, Coolant, Charge Air Cooler / Removal and Installation .
2. Clear any DTCs that may have been set.

POLICY:

Reimbursable within the provisions of the warranty.

TIME ALLOWANCE:

Labor Operation No:	Description	Skill Category	Amount
07-52-01-90	Pump, Coolant Charge Air Cooler - Replace DT (1 - Semi-Skilled)	6 - Electrical and Body Systems	1.2 Hrs.
07-52-01-90	Pump, Coolant Charge Air Cooler - Replace LA/LD (1 - Semi-Skilled)	6 - Electrical and Body Systems	1.8 Hrs.
07-52-01-90	Pump, Coolant Charge Air Cooler - Replace WK/WD (1 - Semi-Skilled)	6 - Electrical and Body Systems	1.9 Hrs.

FAILURE CODE:

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