



**NUMBER:** 09-001-22

**GROUP:** 09 - Engine

**DATE:** January 19, 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:**

Cummins 6.7L Turbocharger Actuator - X93 Warranty Extension

**OVERVIEW:**

This bulletin involves replacing the turbocharger actuator with an updated actuator.

**MODELS:**

2013 - 2015 (DP) RAM 4500/5500 Cab Chassis

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

**NOTE:** This bulletin applies to vehicles equipped with a 6.7L I6 Cummins Turbo Diesel Engine (Sales Code ETK).

**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:

- U010C - Lost Communication With Turbocharger/Supercharger Control Module.
- P003A - Turbocharger Boost Control Module Position Exceeded Learning Limit.
- P00AF - Turbocharger Boost Control Module Performance.
- P0046 - Turbocharger Boost Control Circuit Performance.
- P0234 - Turbocharger Overboost Condition.

**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 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	R8481772AA	Turbo Actuator Kit

**REPAIR PROCEDURE:**

1. Replace the turbocharger actuator. Refer to the detailed service procedures available in DealerCONNECT> Service Library under: Service Info>09 - Engine, 6.7L Diesel / Turbocharger System / Actuator, Turbocharger / Removal and Installation.
2. Clear any DTCs that may have been set.

**POLICY:**

Vehicles included in this Technical Service Bulletin have a warranty extension to 10 years/185,000 miles (Full Useful Life (FUL) for engine certified vehicles) on from in service date warranty period for this repair. See Warranty Bulletins: U.S. D-22-02, and Canada SAB 2022-03 for details associated with the warranty extension.

**TIME ALLOWANCE:**

Labor Operation No:	Description	Skill Category	Amount
09-44-03-91	Turbocharger Actuator - Replace (2 - Skilled)	10 - Diesel	1.3 Hrs.

**FAILURE CODE:**

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