



NUMBER: 11-001-20

GROUP: 11 - Exhaust System

DATE: April 23, 2020

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SUBJECT:

Active Exhaust Valve Rattle

OVERVIEW:

This bulletin involves inspecting the active exhaust actuator motor and tightening to specifications, if necessary.

MODELS:

2018 - 2020	(LA)	Dodge Challenger
2018 - 2020	(LD)	Dodge Charger

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

NOTE: This bulletin applies to vehicles equipped with Active Exhaust System (Sales Code NEE).

SYMPTOM/CONDITION:

The customer may describe that vehicle has an exhaust rattle on acceleration and deceleration in **1500-2400 RPM range when the sport mode is off.**

DIAGNOSIS:

1. Test drive vehicle to diagnose the active exhaust valve rattle. This must be done by driving vehicle in gear and with a load, rattle will be present when the vehicle accelerates from 1500 to 2500 RPM.

NOTE: Rattle may be heard by turning sport mode “OFF” within the 1500-2400 RPM range.

2. Was the exhaust rattle heard?

- YES>>> Proceed to [Step 1](#) of the Repair Procedure.
- NO>>> This Bulletin does not apply. Normal diagnosis should be performed.

If the customer describes the symptom/condition listed above, perform the Repair Procedure.

REPAIR PROCEDURE:

1. Raise and support the vehicle. Refer to the detailed service procedures available in DealerConnect> Service Library under: Service Info> 04 - Vehicle Quick Reference / Hoisting / Standard Procedure .
2. Is there a gap showing or are any of the nuts loose on the actuator(s) (Fig. 1) ?
 - YES>>> Proceed to [Step 3](#).
 - NO>>> This Bulletin does not apply. Normal diagnosis should be performed. Refer to the detailed service procedures available in DealerConnect> Service Library under: Service Info>11 - Exhaust System / Diagnosis and Testing.

**Fig. 1****Actuator not Tight to the Exhaust**

3. Remove the exhaust valve actuator. Refer to the detailed service procedures available in DealerConnect> Service Library under: Service Info> 11 - Exhaust System / Valve, Active Exhaust / Removal.
4. Clean the threads of nut and stud to remove any dirt, mud, or other contamination.
5. Once the stud and nut are clean, hand start the nut back onto the stud.

- 6. Install the exhaust valve actuator. Refer to the detailed service procedures available in DealerConnect> Service Library under: Service Info> 11 - Exhaust System / Valve, Active Exhaust / Installation.
- 7. Hold down the actuator so there are no gaps between actuator and housing. Using a torque wrench, Tighten the nut to 4 N·m (35 in lbs.).

CAUTION! It is important to use hand tools to prevent cracking of actuator plastic.

- 8. Lower the vehicle. Refer to the detailed service procedures available in DealerConnect> Service Library under: Service Info> 04 - Vehicle Quick Reference / Hoisting / Standard Procedure .
- 9. Test drive vehicle again to diagnose the active exhaust valve rattle. This must be done by driving vehicle in gear and with a load, rattle will be present when the vehicle accelerates from 1500 to 2500 RPM.
- 10. Is the exhaust rattle still present or heard?
 - YES>>> Normal diagnosis should be performed. Refer to the detailed service procedures available in DealerConnect> Service Library under: Service Info>11 - Exhaust System / Diagnosis and Testing.
 - NO>>> This bulletin has been completed.

POLICY:

Reimbursable within the provisions of the warranty.

TIME ALLOWANCE:

Labor Operation No:	Description	Skill Category	Amount
08-30-22-90	Active Exhaust System Actuator - Clean Mounting Studs (One Side) (2 - Skilled)	1 - Engine Repair and Performance	0.6 Hrs.
08-30-22-91	Active Exhaust System Actuator - Clean Mounting Studs (Both Sides) (2 - Skilled)	1 - Engine Repair and Performance	0.7 Hrs.

FAILURE CODE:

ZZ	Service Action
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