

REFERENCE:	TSB: 09-009-23 REV. C GROUP 09 - Engine	Date:	May 17, 2023	REVISION:	09-009-23 REV. B
VEHICLES AFFECTED:	<p>2022 (WK) Jeep Grand Cherokee 2022 - 2023 (RU) Chrysler Pacifica 2022 - 2023 (JL) Jeep Wrangler 2022 - 2023 (JT) Jeep Gladiator 2022 - 2023 (DT) Ram 1500 Pickup 2022 - 2023 (WL) Jeep Grand Cherokee 2022 - 2023 (VF) Ram ProMaster 2022 - 2023 (WD) Dodge Durango</p> <ul style="list-style-type: none"> This bulletin applies to RU, JL ,JT, DT, WL and WD vehicles built on and after June 03, 2022 (MDH 0603XX) and on and before April 8, 2023 (MDH 0408XX) equipped with either the 3.6L V6 VVT Engine Upgrade 1 (Sales Code ERC), 3.6L V6 24V VVT E torque Engine (Sales Code ERG) or 3.6L V6 PHEV Hybrid Engine (Sales Code EH3). VF vehicles built on and after June 03, 2022 (MDH 0603XX) and on and before April 8, 2023 (MDH 0408XX) equipped with the 3.6L V6 24V VVT Engine (Sales Code ERF). 			MARKET APPLICABILITY:	
				<input checked="" type="checkbox"/> NA	<input checked="" type="checkbox"/> MEA
				<input checked="" type="checkbox"/> SA	<input checked="" type="checkbox"/> IAP
				<input checked="" type="checkbox"/> EE	<input checked="" type="checkbox"/> CH
CUSTOMER SYMPTOM:	Engine makes an abnormal ticking noise. There may be Diagnostic Trouble Codes (DTC)s present.				
CAUSE:	Sticking intake Hydraulic Lash Adjusters (HLAs).				

This bulletin supersedes Technical Service Bulletin (TSB) 09-009-23 REV. B, date of issue May 9, 2023, which should be removed from your files. All revisions are highlighted with ****asterisks**** and include updated RSU notes.

This Technical Service Bulletin (TSB) has also been released as a Rapid Service Update (RSU) 23-131, date of issue May 9, 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 inspecting and if needed, replacing the intake HLAs.

NOTE: **ALL VEHICLES ON THE RSU VIN LIST REQUIRE ALL 12 INTAKE HYDRAULIC LASH ADJUSTERS TO BE REPLACED.**

CLAIMS DATA:

Labor Operation No:	Labor Description	Skill Category	Labor Time
09-85-01-98	Intake Hydraulic Lash Adjuster-Replace All (WD Model) (RSU Only) (3 – Skilled)	9 - Engine	4.8 Hrs.
09-85-01-98	Intake Hydraulic Lash Adjuster-Replace All (JL/JT Model) (RSU Only) (3 – Skilled)	9 - Engine	5.5 Hrs.
09-85-01-98	Intake Hydraulic Lash Adjuster-Replace All (DT Model) (RSU Only) (3 – Skilled)	9 - Engine	4.7 Hrs.
09-85-01-98	Intake Hydraulic Lash Adjuster-Replace All (WL Model) (RSU Only) (3 – Skilled)	9 - Engine	5.0 Hrs.
09-85-01-97	Intake Hydraulic Lash Adjuster-Replace Left Bank and Right Bank (WK/WD Model) (3 – Skilled)	9 - Engine	4.8 Hrs.
09-85-01-97	Intake Hydraulic Lash Adjuster-Replace Left Bank and Right Bank (RU Model) (3 – Skilled)	9 - Engine	4.8 Hrs.
09-85-01-97	Intake Hydraulic Lash Adjuster-Replace Left Bank and Right Bank (JL/JT Models) (3 – Skilled)	9 - Engine	5.5 Hrs.
09-85-01-97	Intake Hydraulic Lash Adjuster-Replace Left Bank and Right Bank (DT Model) (3 – Skilled)	9 - Engine	4.7 Hrs.
09-85-01-97	Intake Hydraulic Lash Adjuster-Replace Left Bank and Right Bank (WL Model) (3 – Skilled)	9 - Engine	5.0 Hrs.
09-85-01-97	Intake Hydraulic Lash Adjuster-Replace Left Bank and Right Bank (VF Model) (3 – Skilled)	9 - Engine	6.0 Hrs.

Labor Operation No:	Labor Description	Skill Category	Labor Time
Failure Code	ZZ	Service Action	

RELATED LOP:

Labor Operation No:	Labor Description	Skill Category	Labor Time
07-FF-01-50	Coolant Drain and Fill (3 – Skilled)	7 - Cooling	0.3 Hrs.
08-00-01-50	Power Down 12 Volt Hybrid Vehicle (PHEV Models) (3 – Skilled)	9 - Engine	0.3 Hrs.
Failure Code	ZZ	Service Action	

SPARE PARTS:

12	05047883AC	Dual feed lash adjuster	Intake (RSU Only)
12	05047883AC	Dual feed lash adjuster	
1 (AR)	04893805AB	Gasket Cylinder head cover LT	
1 (AR)	04893804AB	Gasket Cylinder head cover RT	
6 (AR)	05184778AB	Seal Spark Plug Well	
1 (AR)	04861965AA	Gasket EGR to manifold	Left Head Only
1 (AR)	05281492AB	Gasket - EGR Tube Flange	Left Head Only
1 (AR)	05281493AB	Gasket - EGR Tube Flange	Left Head Only
1 (AR)	68082860AB	Mopar® Threebond Engine RTV Sealant	

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 any of the symptoms listed above in the customer symptom section, perform the Diagnosis Procedure.

NOTE: **ALL VEHICLES ON THE RSU VIN LIST REQUIRE ALL 12 INTAKE HYDRAULIC LASH ADJUSTERS TO BE REPLACED.**

- Is the vehicle on the RSU VIN list?
 - YES>>> Proceed to [Step 1](#) of the Repair Procedure.
 - NO>>> Proceed to [Step 2](#) of the Diagnosis Procedure.
- Raise and lower RPM to confirm the noise is coming from the engine. Listen and determine if the noise is coming from the valvetrain of the engine. Use of a stethoscope may be necessary.

3. Is the noise coming from the engine valvetrain?
 - YES>>> Proceed to [Step 4](#) of the Diagnosis Procedure.
 - NO>>> This Bulletin does not apply. Normal diagnosis should be performed.
4. Remove the valve cover of the suspected cylinder head. Refer to the detailed service procedures available in DealerCONNECT/Service Library under: 09 - Engine, 3.6L / Cylinder Head / Cover(s), Cylinder Head / Removal and Installation.
5. Inspect the intake lash adjuster(s) for a collapsed condition. Press down on the intake rocker arm in a manner that would compress the intake lash adjuster(s). Normal intake adjuster(s) should feel very firm and difficult to compress. If the intake lash adjuster(s) can be compressed or there is lash between the rocker arm and cam lobe, proceed to [Step 2](#) of the Repair Procedure.

NOTE: Exhaust adjuster(s) are designed to be compressible. They will exert a reactionary spring force during compression and return to full expansion without a compression force. If the exhaust lash adjusters are shown faulty, follow normal service procedures. This bulletin is for replacing the INTAKE lash adjuster(s) only.

REPAIR PROCEDURE:

1. ****RSU ONLY:** Replace **all the HLAs on the intake side only of BOTH of the cylinder heads.** Refer to the detailed service procedures available in DealerCONNECT/Service Library under: 09 - Engine, 3.6L / Cylinder Head / Lifters(s), Hydraulic / Removal and Installation.
2. **TSB ONLY:** Replace **all the HLAs on the intake side only of the CYLINDER HEAD THE NOISE IS COMING FROM.** Refer to the detailed service procedures available in DealerCONNECT/Service Library under: 09 - Engine, 3.6L / Cylinder Head / Lifters(s), Hydraulic / Removal and Installation.**
3. Run engine and confirm noise is not present.

POLICY:

Reimbursable within the provisions of the warranty.

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