

REFERENCE:	TSB: 09-015-25 GROUP: 09 - Engine	Date:	June 12, 2025	REVISION:	09-012-22
VEHICLES AFFECTED:	<p>2018 - 2022 (JL) Jeep Wrangler 2020 - 2022 (JT) Jeep Gladiator 2018 - 2022 (WK) Jeep Grand Cherokee</p> <p>This bulletin applies to:</p> <ul style="list-style-type: none"> JL vehicles built equipped with a 3.6L V6 24V VVT Engine (Sales Code ERC) or a 3.6L V6 24V VVT E-torque Engine (Sales Code ERG). JT vehicles built equipped with a 3.6L V6 24V VVT Engine (Sales Code ERC). WK vehicles built equipped with a 3.6L V6 24V VVT Engine (Sales Code ERC). 	<p>MARKET APPLICABILITY:</p> <p><input checked="" type="checkbox"/> NA <input checked="" type="checkbox"/> MEA <input type="checkbox"/> SA <input checked="" type="checkbox"/> IAP <input type="checkbox"/> EE <input type="checkbox"/> CH</p> <p>NOTE: **This bulletin applies to North America (Mexico Only), Middle East & Africa, India & Asia Pacific (Australia Only) markets.**</p>			
CUSTOMER SYMPTOM:	<p>Customers may experience the following:</p> <ul style="list-style-type: none"> Knocking or pinging noise coming from the engine upon acceleration. 				
CAUSE:	**Oil intrusion through PCV system**				

This bulletin supersedes Technical Service Bulletin (TSB) 09-012-22, date of issue October 01, 2022, which should be removed from your files. All revisions are highlighted with ****asterisks**** and include the addition of a **CAUSE**, new Market note and Market Applicability, updated Failure Code, Special Tools added, and an updated part number in Spare Parts.

REPAIR SUMMARY:

This bulletin involves cleaning the piston heads and cylinder head combustion chambers to resolve a spark knock condition being caused by oil intrusion through the PCV system.

CLAIMS DATA:

Labor Operation No:	Labor Description	Skill Category	Labor Time
09-35-30-93	JL/JT Piston Head And Cylinder Combustion Chamber Cleaning - Perform (3 - Highly Skilled)	1 - Engine Repair and Performance	10.50 Hrs.
09-35-30-94	WK Piston Head And Cylinder Combustion Chamber Cleaning - Perform (3 - Highly Skilled)	1 - Engine Repair and Performance	8.30 Hrs.
Failure Codes	**ZZ	Service Action **	

RELATED LOPS:

Labor Operation No:	Labor Description	Skill Category	Labor Time
07-FF-01-50	Drain and Fill, Coolant (3 - Highly Skilled)	1 - Engine Repair and Performance	0.3 Hrs.
09-FF-03-50	Drain and Fill, Engine Oil (3 - Highly Skilled)	1 - Engine Repair and Performance	0.1 Hrs.

OPTIONAL EQUIPMENT:

Labor Operation No:	Labor Description	Skill Category	Labor Time
09-35-30-67	ESS Equipped (3 - Highly Skilled)	1 - Engine Repair and Performance	0.5 Hrs.

SPARE PARTS:

Qty	Part No.	Description	Notes
1	**68609110AB**	PCV Valve	
6	SP225755AA	Spark Plug	
16	06509564AA	Cylinder Head Bolts	
1	68284905AA	Cylinder Head Gaskets - Left	
1	68284904AA	Cylinder Head Gaskets - Right	
11.2 Qts.	68153921AA	Antifreeze, Coolant, Gallon, US, OAT, Concentrate	
5 Qts.	68218950AB	Oil - 0W-20	
1	68191349AC	Oil Filter	
1	04893804AB	Valve Cover Gasket - Right	
1	04893805AB	Valve Cover Gasket - Left	
1	68082860AB	RTV	
6	68217514AB	Upper Intake Gaskets	
6	68232614AA	Lower Intake Gaskets	
1	04861965AA	EGR Cooler Gaskets	
2	68093232AA	Converter Gaskets	
1	68078604AA	Timing Cover Gasket	
1	68079589AA	Front Crankshaft Seal	
4	04893806AB	Camshaft Phaser Actuator Gaskets	
2	05184772AB	Camshaft Sensor Gasket	

DIAGNOSIS:

If the customer describes the symptom/condition above, perform the repair procedure.

****SPECIAL TOOLS/EQUIPMENT:**

Description	Ref. No.	Notes
wiTECH or Equivalent	—	—**

REPAIR PROCEDURE:

1. Remove the cylinder heads. Refer to the detailed service procedures available in DealerCONNECT/ Service Library under: Service Info>09 - Engine, 3.6L / Cylinder Head / Removal.
2. Perform the cylinder head and piston crown cleaning. Refer to the detailed service procedures available in DealerCONNECT/Service Library under: Service Info>09 - Engine, 3.6L / Cylinder Head / Cleaning.
3. Reinstall the cylinder heads with new cylinder head gaskets in place. Use new cylinder head bolts. Refer to the detailed service procedures available in DealerCONNECT/Service Library under: Service Info>09 - Engine, 3.6L / Cylinder Head /Installation.
4. Replace the spark plugs. Refer to the detailed service procedures available in DealerCONNECT/Service Library under: Service Info>09 - Engine, 3.6L / Ignition Control / Spark Plug/ Removal and Installation.
5. Change the engine oil and filter. Refer to the detailed service procedures available in DealerCONNECT/ Service Library under: Service Info>09 - Engine, 3.6L / Lubrication / Standard Procedure.
6. Refill engine coolant. Refer to the detailed service procedures available in DealerCONNECT/Service Library under: Service Info> 09 - Engine, 3.6L / Cooling System / Engine Cooling / Standard Procedure.
7. Replace PCV valve with updated part. Refer to the detailed service procedures available in DealerCONNECT/Service Library under: Service Info> 25 - Emissions Control / Crankcase Ventilation / Valve, Positive Crankcase Ventilation (PCV) / Removal and Installation.
8. Clear any Diagnostic Trouble Codes (DTC)s that may have set during repair procedure.

POLICY:

Reimbursable within the provisions of the warranty.

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