



NUMBER: 07-001-22 REV. A

GROUP: 07 - Cooling

DATE: March 22, 2022

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This Technical Service bulletin supersedes Service Bulletin 07-001-22, dated January 21, 2022, which should be removed from your files. All revisions are highlighted with **asterisks**** and include an additional engine Sales Code.**

SUBJECT:

Water Pump Inlet Tube Fastener Torque

OVERVIEW:

This bulletin involves checking the torque on the water pump inlet tube fasteners to possibly eliminate coolant leak at this location.

MODELS:

2018 - 2021 (JL) Jeep Wrangler

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

NOTE: This bulletin applies to vehicles equipped with one of the following engines:

- ****2.0L I4 DOHC DI Turbo PHEV Engine (Sales Code ECX)****
- **2.0L I4 DOHC DI Turbo E-torque Engine (Sales Code EC3)**
- **2.0L I4 DOHC DI Turbo Engine W/ESS (Sales Code EC1)**

SYMPTOM/CONDITION:

The customer may describe either a coolant leak or the coolant level is low.

DIAGNOSIS:

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

1. Pressure check the coolant system. Refer to the detailed service procedures available in DealerCONNECT> Service Library under: Service Info>07 - Cooling / Diagnosis and Testing >Leak Testing>Pressure Tester Method.
2. Was coolant found to be leaking from the water pump inlet tube at the engine (Fig. 1) ?
 - YES>>> Proceed to [Step 1](#) of the Repair Procedure.
 - NO>>> Coolant was not leaking from this area. This bulletin does not apply. Normal diagnosis should be performed.

PARTS REQUIRED:

Qty.	Part No.	Description
1 (AR)	04318031AC	Medium strength blue thread locking adhesive. If Mopar part number is not readily available, use only Loctite 242 or Loctite 243.

REPAIR PROCEDURE:

1. Remove one inlet tube fastener (Fig. 1) .

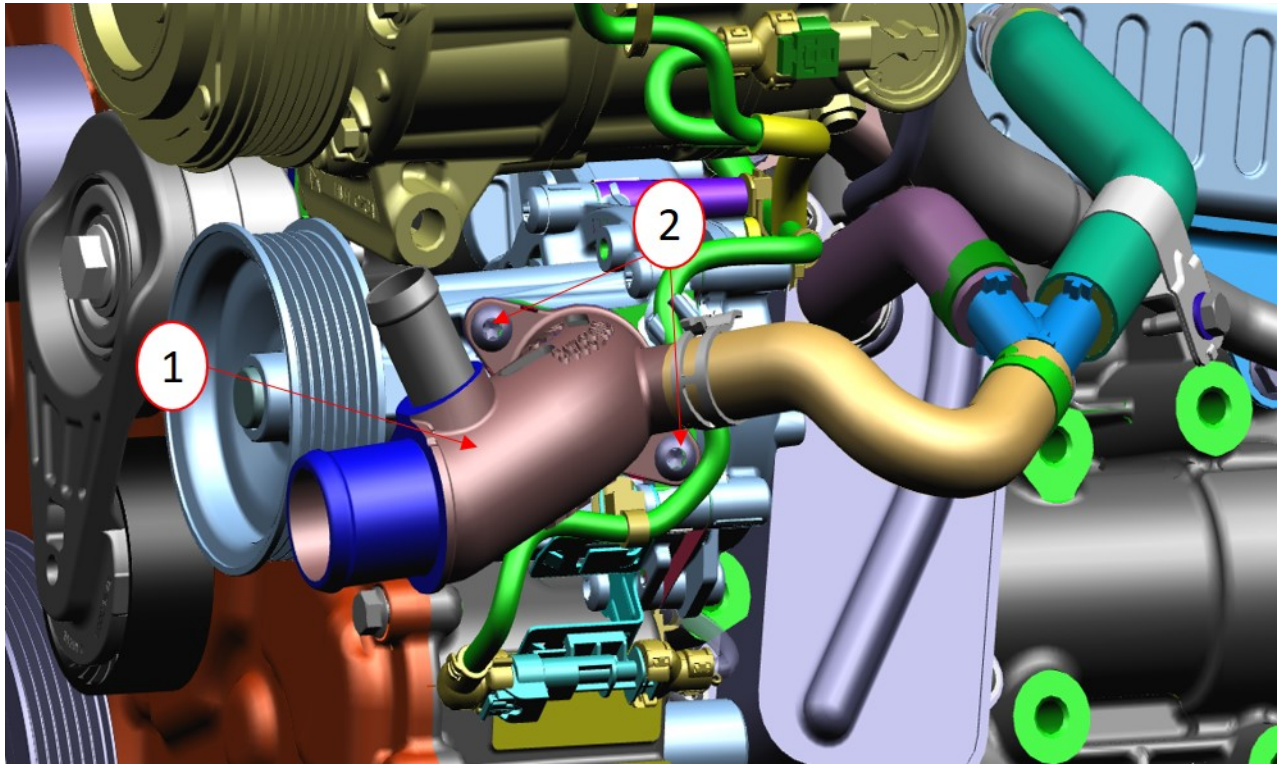


Fig. 1

Water Pump Inlet Tube Fasteners

- 1 - Water Pump Inlet Tube
2 - Fasteners

2. Apply Mopar 04318031AC (or equivalent) to fastener thread.
3. Install the water pump inlet tube fastener and tighten to 11 N·m (97 in. lbs).
4. Remove the other water pump inlet tube fastener.
5. Apply Mopar 04318031AC (or equivalent) to fastener thread.
6. Install the water pump inlet tube fastener and tighten to 11 N·m (97 in. lbs).
7. Wait 10 minutes after last fastener is installed prior to pressure testing the coolant system or running the engine to allow for prescribed Loctite cure time.
8. Pressure check the coolant system. Refer to the detailed service procedures available in DealerCONNECT>Service Library under: Service Info>07 - Cooling / Diagnosis and Testing >Leak Testing>Pressure Tester Method.
9. Is coolant still leaking from the water pump inlet tube at the engine (Fig. 1) ?
 - YES>>> Further diagnosis should be performed.
 - NO>>> This bulletin has been completed.

POLICY:

Reimbursable within the provisions of the warranty.

TIME ALLOWANCE:

Labor Operation No:	Description	Skill Category	Amount
07-62-04-91	Tube, Water Pump Inlet - Pressure Test Cooling System and Re-Torque Fasteners (2 - Skilled)	1 - Engine Repair and Performance	0.6 Hrs.

FAILURE CODE:

ZZ	Service Action
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