



NUMBER: 09-003-21

GROUP: 09 - Engine

DATE: March 27, 2021

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This Technical Service Bulletin (TSB) has also been released as a Rapid Response Transmittal (RRT) 21-038, date of issue March 27, 2021. All applicable Un-Sold RRT VINs have been loaded. To verify this RRT service action is applicable to the Un-Sold vehicle, use VIP or perform a VIN search in DealerCONNECT/Service Library. This RRT will expire 18 months after the date of issue.

SUBJECT:

Transmission Oil Cooler Lines Not Fully Connected

OVERVIEW:

This bulletin involves inspecting the Transmission Oil Cooler (TOC) lines and reconnecting if necessary.

MODELS:

2020 - 2021 (DT) RAM 1500 Pickup

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

NOTE: This bulletin applies to the following vehicles built on or before January 23, 2021 (MDH 0123XX) equipped with a 6.2L Supercharged Hemi V8 SRT Engine (Sales Code ESD) and a 8-SPD Auto 8HP95 Transmission (Sales Code DFS).

SYMPTOM/CONDITION:

Customers may experience a Malfunction Indicator Lamp (MIL) illumination. Upon further investigation the technician may find one or more of the following Diagnostic Trouble Codes (DTCs).

- P1D90-00 Incorrect Gear Ratio - Clutch 2 Defective.
- P1D91-00 Incorrect Gear Ratio - Clutch 3 Defective.
- P1D92-00 Incorrect Gear Ratio - Clutch 4 Defective.
- P1D93-00 Incorrect Gear Ratio - Clutch 5 Defective.
- P1D95-00 Tcm Clutch Failure Undetermined.
- P1B14-00 Park-By-Wire - Unintended Park Position.
- P1B13-00 Park-By-Wire - Unintended Out Of Park Position.
- P1D99-00 Incorrect Gear Ratio: Clutch B Or E Defective.
- P1D9A-00 Incorrect Gear Ratio: Clutch C Or D Defective.
- P1D95-00 Tcm Clutch Failure Undetermined.
- P07E4-00 Unable To Engage Park.
- P1DCD-00 Tcm Monitoring Processor Performance - Multiple Clutches Locked Up.
- P0735-00 Gear 5 Shift Incorrect Ratio.
- P0919-00 Gear Shift Position Control Error.

Customers may also experience the following:

- Transmission fluid leaking under vehicle.
- The vehicle will not shift.
- Slow shifting between gears.

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 a customer's VIN is listed in VIP or your RRT VIN list, perform the repair. **This RRT only applies to vehicles on the RRT VIN list.**

1. Inspect the TOC lines by pulling on lines to see if they come loose and separate the connection. The black assurance caps (Fig. 1) need to be pulled back to inspect.

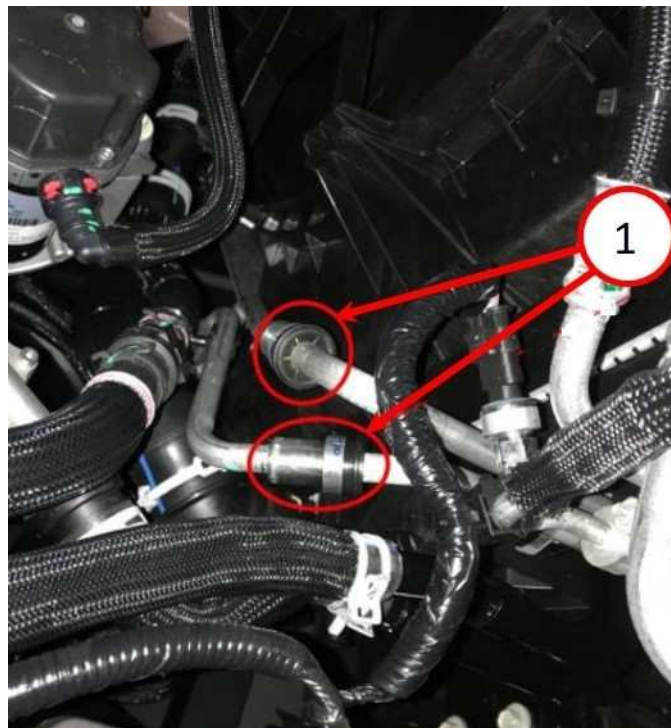


Fig. 1

Transmission Oil Cooler Line (Shown Connected)

2. Look for the line to be fully seated. Three spring clip loops should be visible (Fig. 2) .

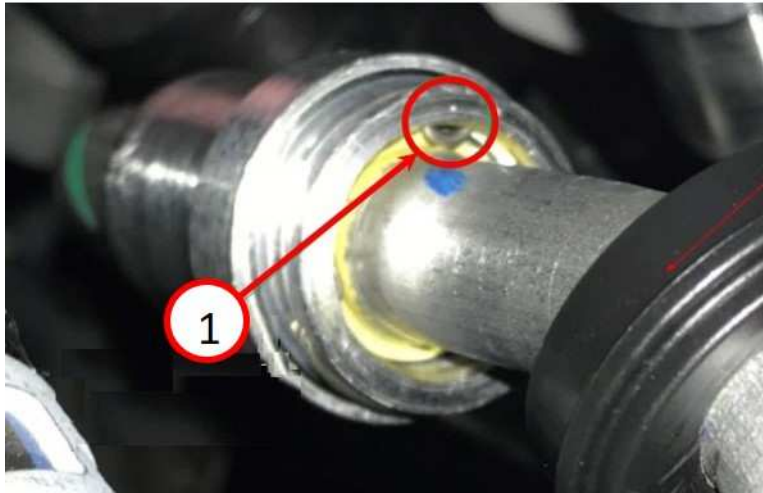


Fig. 2
Spring Clip Loop (Shown With Assurance Caps Pulled Back)

1 - Spring Clip Loop

3. Are the TOC lines connected and seated tightly into the fittings?
- NO>>> Proceed to [Step 1](#) of the Repair Procedure.
 - YES>>> This bulletin has been completed, use inspect LOP (21-25-10-95) to close the active RRT.

PARTS REQUIRED:

Qty.	Part No.	Description
(AR)	68218925AB	Fluid, Automatic Transmission - Quart

CAUTION! A unique transmission fluid has been developed for this transmission. This fluid is NOT compatible with ATF+4 or any other current FCA US LLC transmission fluid. For specifics about this unique fluid see FLUIDS, LUBRICANTS AND GENUINE PARTS.

REPAIR PROCEDURE:

1. Align the TOC Line and slide into fitting .
2. Press on the tube until a 'click' is heard or felt.

NOTE: The yellow paint bead will disappear into the fitting when tube is properly installed into quick connect (Fig. 3) .



Fig. 3
Transmission Oil Cooler Line (Connected)

3. Slide the assurance caps down the tube and snap the cap over the fitting. Listen or feel for a "snap" or "click" as the cap engages with the fitting (Fig. 4) .

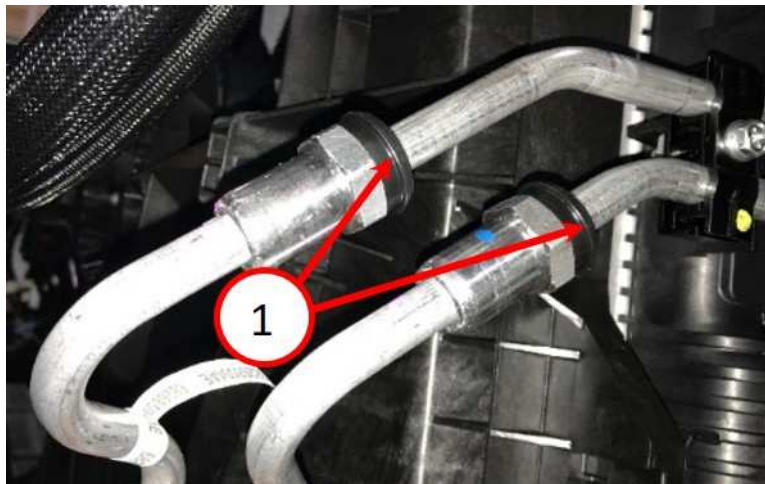


Fig. 4
Assurance Cap (In Place)

1 - Assurance Cap

4. Check transmission fluid level and top off as needed. Refer to the detailed service procedures available in DealerCONNECT/Service Library under: 21 - Transmission and Transfer Case / Automatic - 8HP50/850RE / Fluid and Filter / Standard Procedure / Check Oil Level.
5. Clear any DTCs that may have been set.

POLICY:

Reimbursable within the provisions of the warranty.

TIME ALLOWANCE:

Labor Operation No:	Description	Skill Category	Amount
21-25-10-95	Lines, Transmission Oil - Inspect (1 - Semi Skilled)	1 - Engine Repair and Performance	0.2 Hrs.
21-25-10-96	Lines, Transmission Oil - Inspect and Re-Install Lines (1 - Semi Skilled)	1 - Engine Repair and Performance	0.6 Hrs.

FAILURE CODE:

ZZ	Service Action
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