

Authorized Field Change



AFC 18903

Date: September 2018

Subject File: Transmission

Subject: Transmission Cooler Line Routing

Model: Certain International® HX® Series 620 model trucks.

Start Date: 28 April 2016 End Date: 19 June 2018

DESCRIPTION

Certain International® HX® Series 620 model vehicles equipped with feature code 13AUW, remote mounted transmission cooler, may have the transmission cooler lines incorrectly installed and may result in cooler line damage.

ELIGIBILITY


This procedure applies ONLY to vehicles marked in the International® Service PortalSM with AFC 18903. Check and complete any other open campaigns also at this time.


PARTS INFORMATION


Table 1. **Parts Information**


| Part Number | Description | Quantity |
|------------------|--------------------------|-----------------------------|
| Purchase Locally | TES 295 Trans Fluid | As Required |
| Purchase Locally | Transmission Cooler Hose | Only if Old Hose is Leaking |


SERVICE PROCEDURE

 **WARNING:** To prevent property damage, personal injury, and / or death, park vehicle on hard flat surface, turn the engine off, set the parking brake, and install wheel chocks to prevent the vehicle from moving in both directions.

 **WARNING:** To prevent property damage, personal injury, and / or death, if the vehicle must be raised, do not work under the vehicle supported only by jacks. Jacks can slip or fall over.

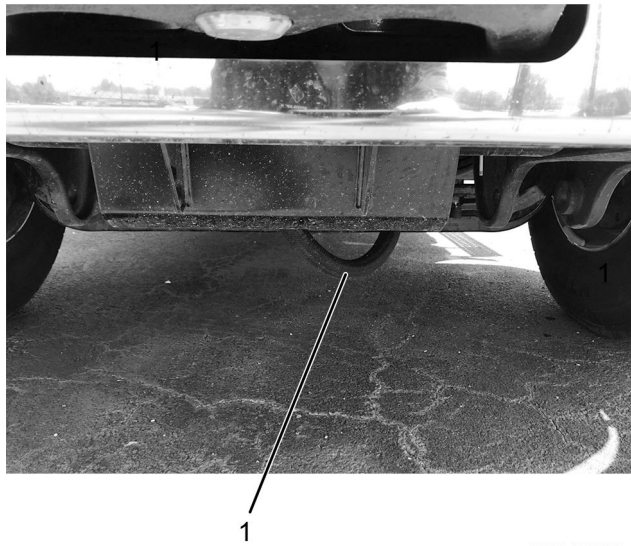
 **WARNING:** To prevent personal injury and / or death, always wear safe eye protection when performing vehicle maintenance.

 **WARNING:** To prevent property damage, personal injury, and / or death, keep flames or sparks away from vehicle and do not smoke while servicing the vehicle's batteries. Batteries expel explosive gases.

 **WARNING:** To prevent property damage, personal injury, and /or death, remove ground cable from negative terminal of main battery before disconnecting or connecting electrical components. Always connect ground cable last.

1. Park vehicle on a flat surface.
2. Shift transmission to Park or Neutral and set parking brake.
3. Turn ignition to Key OFF position.
4. Install wheel chocks.
5. Unlatch and open hood.

SERVICE PROCEDURE (CONT.)



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Figure 1. Incorrect Transmission Cooler Line Installation

1. Hose

NOTE: The transmission cooler lines are different in length. If the transmission cooler lines were connected to the incorrect transmission and transmission cooler fitting, the transmission lines can hang down below the front skid plate.

6. Inspect transmission cooler lines for proper routing.

SERVICE PROCEDURE (CONT.)

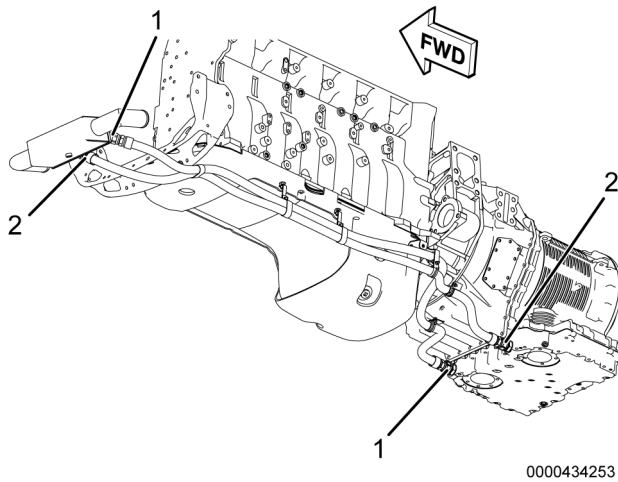


Figure 2. Correct Transmission Cooler Line Routing

1. Hose from right trans fitting to left trans cooler fitting (longer hose)
2. Hose from left trans fitting to right trans cooler fitting (shorter hose)

7. Starting at transmission fittings:
 - a. Fitting on right-side at transmission should be connected to fitting on left-side of transmission cooler (Figure 2, Item 1).
 - b. Fitting on left-side at transmission should be connected to right-side of transmission cooler (Figure 2, Item 2).
8. Transmission cooler lines routing:
 - a. If cooler lines are routed correctly, proceed to Step 17.
 - b. If cooler lined are routed incorrectly, continue to Step 9.
9. Inspect hose for leaks.
 - a. If hose requires replacement, hose must be replaced before proceeding to next step.
 - b. If hose is not leaking, continue to next step.
10. Using clean pans, place pans under transmission and transmission cooler lines.
11. Loosen transmission cooler line cushion clamps along engine to allow hose to move freely.
12. Remove hoses at transmission cooler.

NOTE: The hose which connects right-side of transmission to left-side of oil cooler is longer.

13. Remove hoses at transmission and install hoses on opposite fitting at transmission.
14. Adjust and route transmission cooler lines to reach correct oil cooler fittings and install hoses.
15. Tighten all hoses and hose clamps.

SERVICE PROCEDURE (CONT.)

16. Check transmission fluid, add fluid to meet operating range specifications.
17. Close and latch hood.
18. Remove wheel chocks.

LABOR INFORMATION

Operation number must appear on all claims.

Table 2. Labor Information

| Operation No. | Description | Time |
|----------------------|---|-------------|
| A40-18903-1 | Inspect Transmission Cooler Lines Only | 0.3 hr |
| A40-18903-2 | Inspect and Reroute Transmission Cooler Lines | 0.5 hr |
| A40-18903-3 | Transmission Hose Replacement (If Needed) | 0.5 hr |

ADMINISTRATIVE PROCEDURE

Expense is to be charged to Warranty. Claims are to be submitted in the normal manner, making reference to Authorized Field Change Number 18903.

Section 7 of the Warranty Policy and Procedures Manual contains further information related to the submission and processing of AFC / Recall claims.

As with all claim submissions, items acquired locally must be submitted in the "Other Charges" tab. The cost of any bulk items (such as a bag of cable tie straps, roll of wire, barrel of oil, or tube of silicone) should be prorated for the cost of the individual pieces / amount used during each repair.

To ensure this important improvement is made in a timely manner, all claims for 18903 activity must be submitted by 26 September 2019 or within the normal warranty period for the vehicle, if after 26 September 2019.

| GROUP | | | | NOUN | | | C | WARR. | TP | PAD |
|-------|--|--|--|------|--|--|---|-------|----|-----|
| | | | | | | | | | | |

GROUP — Enter number

NOUN — Leave blank

C (CAUSE) — Enter either 1, 2, 3. (See below)

- 1. Inspected (No repair required).
- 2. Inspected and repaired.
- 3. Defective part from parts stock.

WARRANTY — (Warranty Code) Enter 40.

TYPE PART — Enter P for type part causing failure.

PAD — Enter 100

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