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> SS 701-WST2021 4700-5700 DT12 Harness Chaffing - P...

SS 701-WST2021 4700-5700 DT12 Harness Chaffing - PT Can Faults

Applicable Vehicles

WST 4700 - 5700 with DT12 Transmissions.

Symptoms

Transmission will not shift into Gear while driving or will not start and trigger multiple PT CAN Fault Codes.

Issue

Transmission Control Harness rubbing/chaffing with TCM. Tie Strap push to mount specified for Harness routing-clipping may not stay in place causing Transmission Control Harness rubs/chafes with TCM at several points resulting in intermittent failures and triggering multiple PT Can Fault Codes if Harness is damaged. See Figure 1.

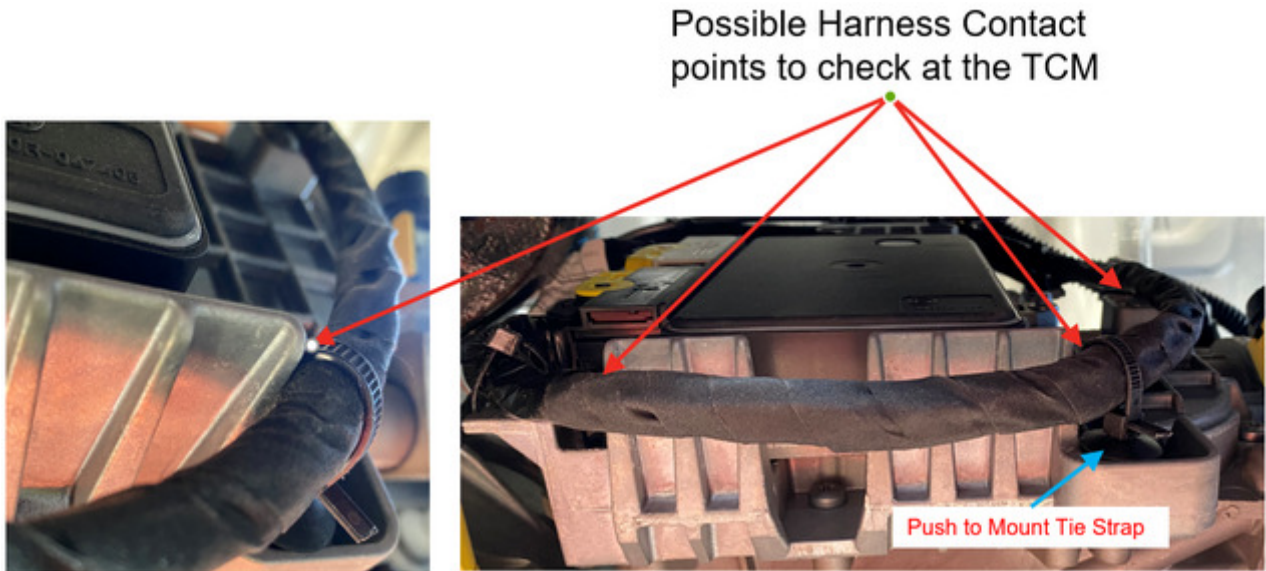


Figure 1: Transmission Control Harness routing points that require inspection/correction.

Solution

Transmission Control Harness routing and clipping needs to be revised at the TCM area, follow the instructions below and refer to see Figure 2, 3 and 4 to complete Harness routing-clipping.

- Cut and remove tie straps used to attach Transmission Control Harness, items 2 and 4 shown in Figure 2. Inspect Harness for damages caused by rubbing / chaffing and repair as needed, refer to SB 54-290 for Harness repair instructions.

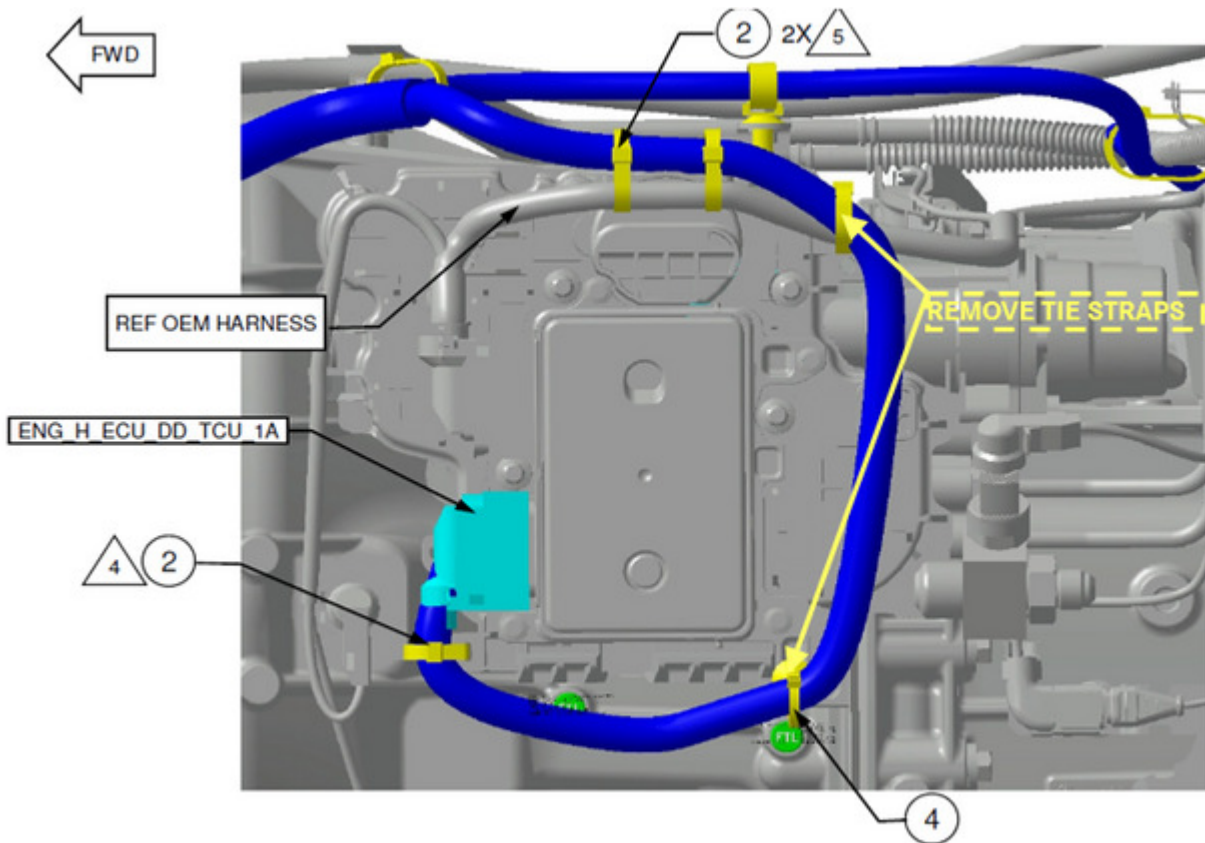


Figure 2: Initial production Transmission Control Harness routing-clipping.

- Figure 3 and 4 show how to correct/update Transmission Control Harness installation.

- Required Part Numbers:

- 1 each 23-13477-210 tie strap with top centered push on clip
- 2 each 23-13477-100 tie strap with offset push on clip
- 1 each 23-12886-001 double strap swivel
- 2 each 23-13476-000 ½" wide tie strap
- 3 FT BEN 2421002503SCM TUBE-TWIST,BLK,DIA 25
- A/R Electrical Tape

- Add "Tube Twist" (Heavy Duty Wrap) from start to end point locations shown and secure with electrical tape to Transmission Control Harness, then route and clip to Transmission Control Harness using Tie Straps part numbers shown below at each location in Figure 3.

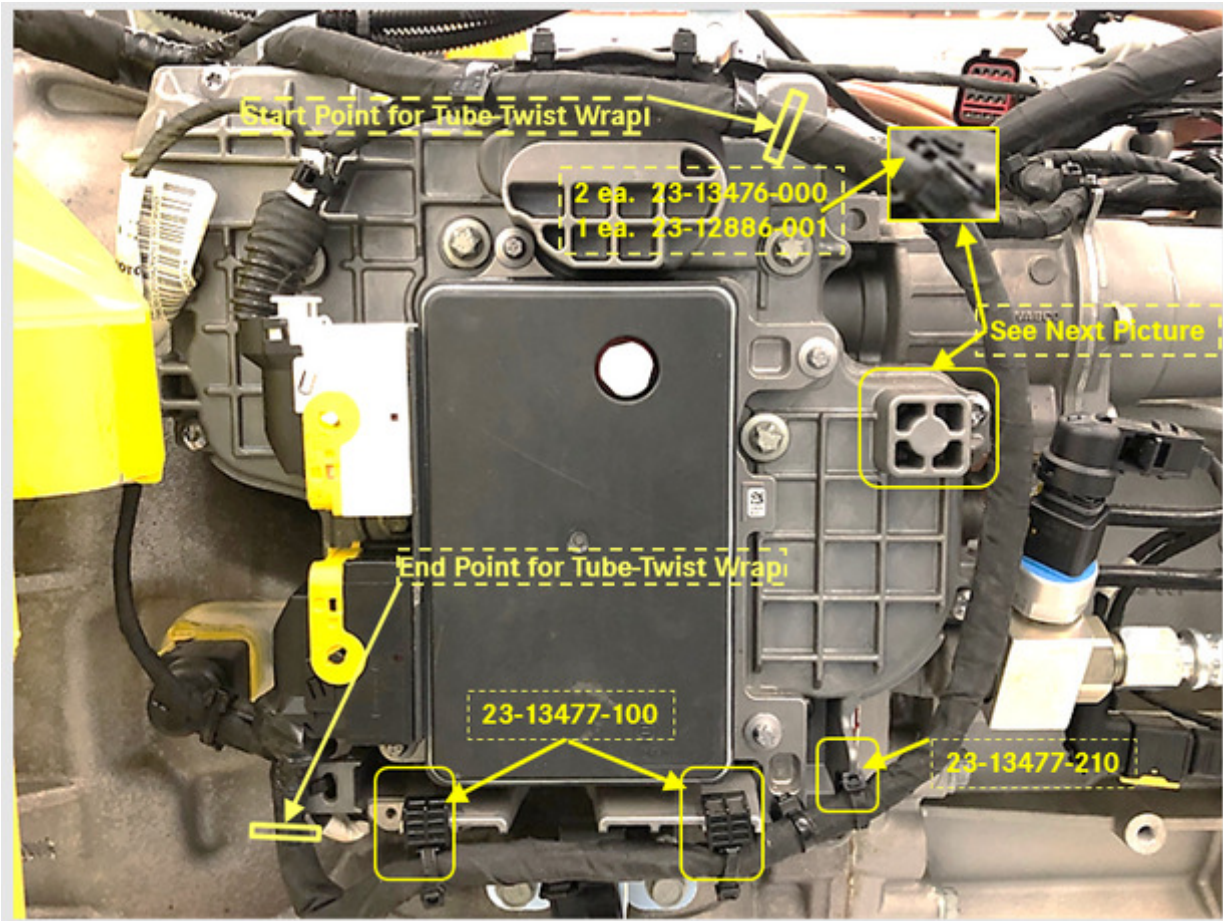


Figure 3: Updated Transmission Control Harness routing-clipping with addition of heavy duty wrap.

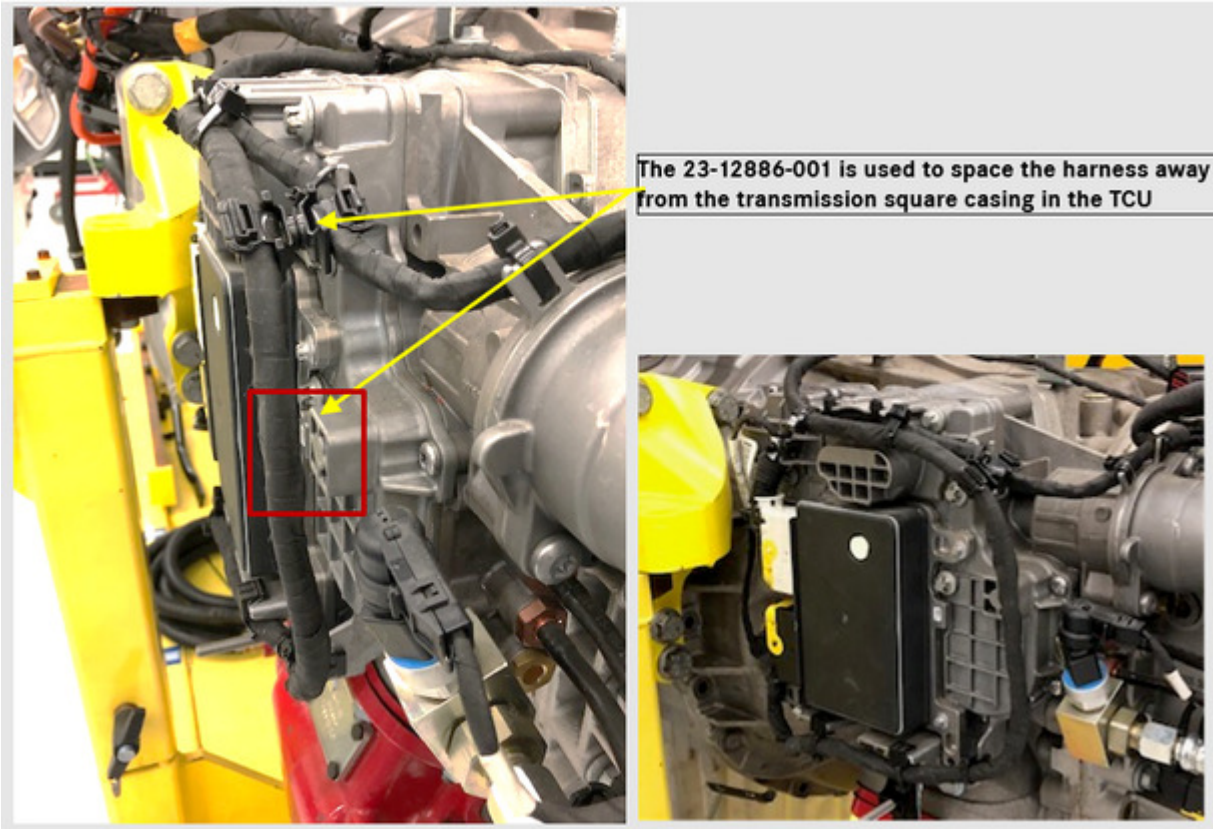


Figure 4: Check for clearance between TCM and Transmission Control Harness.

Labels :

4700

5700

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