



Technical Service Information

JEEP GRAND CHEROKEE TCM HARNESS DAMAGE

- COMPLAINT:** A 2015 to 2017 Jeep Grand Cherokee built between May 01, 2014 to July 24, 2017 and equipped with the 3.0 Liter Turbo Diesel Engine and the 845RE or ZF8HP75 Transmissions may have a complaint of the Malfunction Indicator Lamp (MIL) illuminated. Trouble code C2200-49 “Anti-Lock Brake Module Internal - Internal Electronic Failure”. In addition the following symptoms may be present:
- 1 - The transmission will not shift out of park.
 - 2 - A no crank or no start condition exists.
 - 3 - The instrument panel cluster and/or the PRNDL lights are flashing.
- CAUSE:** The transmission wire harness has been damaged by a heat shield.
- CORRECTION:** The following steps in this bulletin will show the procedure to reroute and repair the transmission wire harness using the available repair kit part number shown under service information.
- 1 - With the vehicle on the lift, remove the transmission skid plate.
 - 2 - Support the transmission with a suitable jack.
 - 3 - Remove the two (2) transmission crossmember mount nuts.
 - 4 - Remove the six (6) transmission crossmember bolts.
 - 5 - Remove the transmission crossmember.
 - 6 - Remove the transmission wire harness connector from the rear of the transmission as seen in figure 1.
 - 7 - Disconnect the green diesel particulate filter exhaust gas temperature sensor connector as seen in figure 2.
 - 8 - Disconnect the transmission wire harness from two (2) fasteners.
 - 9 - Reposition the transmission wire harness up and over the transmission to the left side of the vehicle in order to allow adequate room to perform the wire repair as seen in figure 3.
 - 10 - The transmission wiring harness damage from contact with the heat shield can be seen in figure 4.
 - 11 - Remove and discard fastener #20098 if present as seen in figure 5.
 - 12 - Cut the “C” clip zip tie that holds the “C” clip to the wiring harness also seen in figure 5. Save the “C” clip to reuse.
 - 13 - Starting from where the wire loom ends, slide the twist tube over the original reflective tape on the wiring harness also seen in figure 5.
 - 14 - Install the “C” clip from step 12, 13.80mm (3.1”) from the fastener closest to the wire harness connector with a new zip tie on the wire harness as seen in figure 6. Make certain the “C” clip is positioned 90° from the other two fasteners shown in figure 5.
- Note:** *If the wire harness did not have a fastener with the zip tie cut and discarded in step 11, a new fastener with zip tie must be installed to help secure the twist tube to the wire harness.*
- 15 - Install new fastener #20098 on wire harness 50mm (1.9”), refer to figure 6, from the fastener closest to the wire harness connector to the replaced fastener cut and discarded in figure 11. Make certain the fastener is 180° from the offset clip shown in figure 5.
 - 16 - Using reflective tape, wrap tape to cover the twist tube at each end as seen in figure 7. DO NOT cover any fasteners with tape.

Continued 



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CORRECTION

Continued: 17 - Reposition the transmission wire harness up and over the transmission and to the right side of the vehicle.

Note: *Ensure that all heat shields are positioned away from the transmission wire harness.*

18 - Connect the wire harness on three (3) fasteners. (On some vehicles the third fastener cannot be connected.

19 - Install the transmission connector on the rear of the transmission.

20 - Install the transmission crossmember.

21 - Install the six (6) transmission crossmember bolts.

22 - Install the two (2) transmission crossmember mount nuts.

23 - Remove the transmission jack.

24 - Install the transmission skid plate.

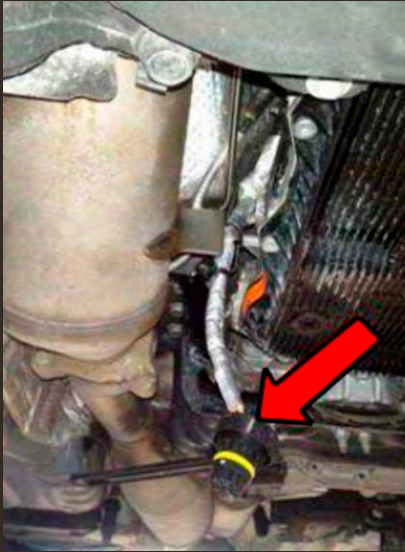
25 - Lower the vehicle.

26 - Use the scan tool to clear all trouble codes that may have been set.

SERVICE INFORMATION:

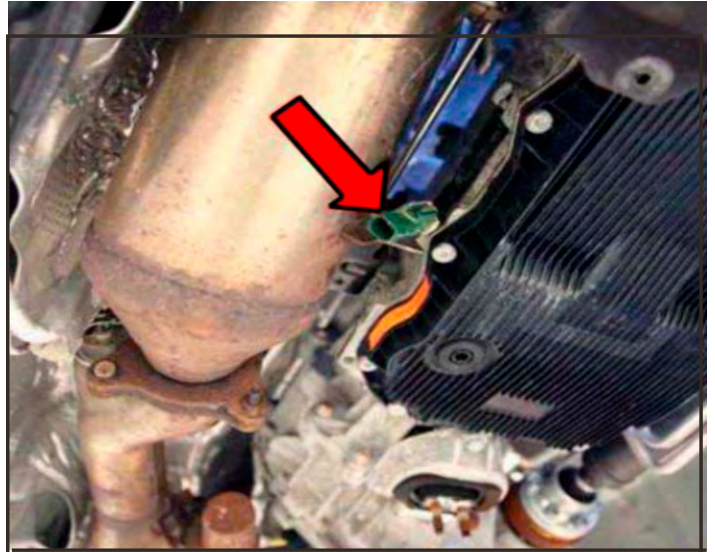
Wire Harness Repair Kit.....68405966AA

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Disconnect Transmission Wire Harness.

Figure 1



Disconnect The Exhaust Gas Temperature Sensor.

Figure 2



Swing Wire Harness To Left Side Of Vehicle For Access.

Figure 3



Transmission Wire Harness Damage From Heat Shield.

Figure 4

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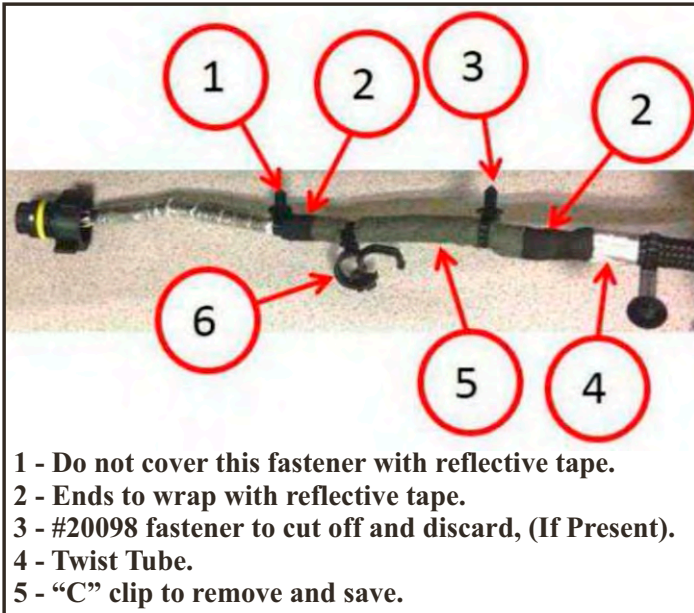


Figure 5

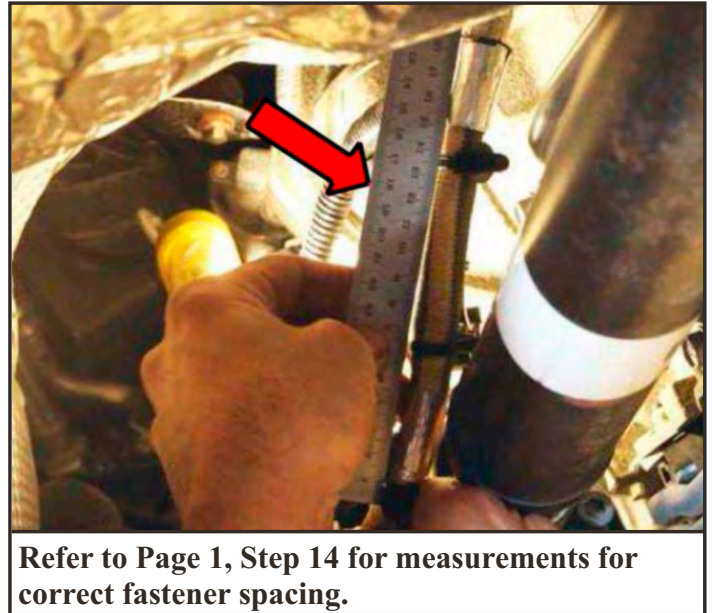


Figure 6

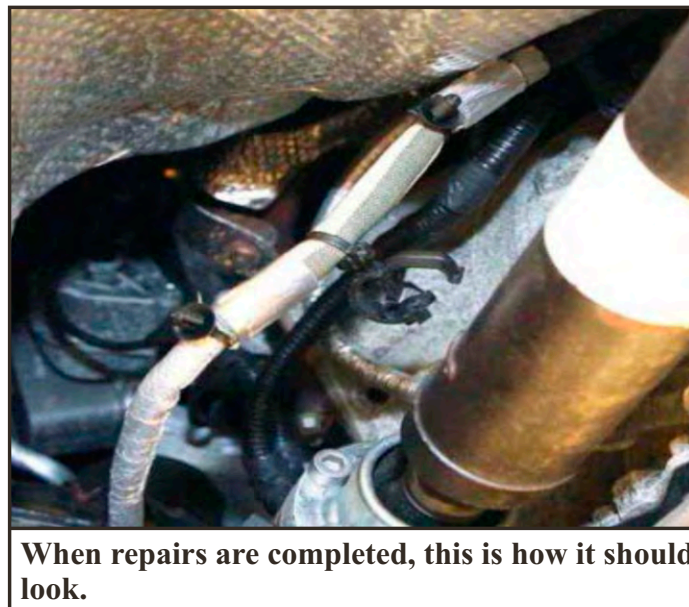


Figure 7