

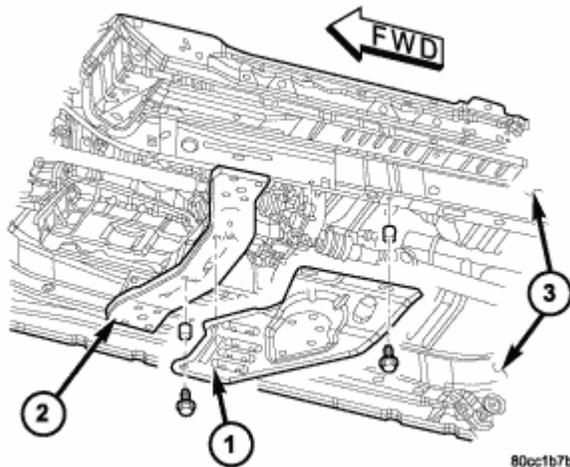
REMOVAL**AUTOMATIC TRANSMISSION**

Fig. 29: Frame Rails, Skid Plate & Transmission Crossmember
 Courtesy of CHRYSLER LLC

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|---|
| 1 - SKID PLATE
2 - TRANSMISSION CROSSMEMBER
3 - FRAME RAILS |
|---|

1. Disconnect the negative battery cable.
2. Remove transmission fill tube bolt from the valve cover.
3. Remove catalytic converter nuts at the turbocharger. Refer to **REMOVAL** .
4. Raise and support the vehicle
5. Remove any necessary skid plates (1). See **Fig. 29**. Refer to **REMOVAL** .
6. Remove the particulate filter pipe. Refer to **REMOVAL** .
7. Remove catalytic converter to block mounting bolts and position aside. Refer to **REMOVAL** .
8. Mark propeller shaft and axle companion flanges for assembly alignment.
9. Remove the rear propeller shaft. Refer to **REMOVAL** .
10. Remove the front propeller shaft, if necessary. Refer to **REMOVAL** .
11. Support the transmission.

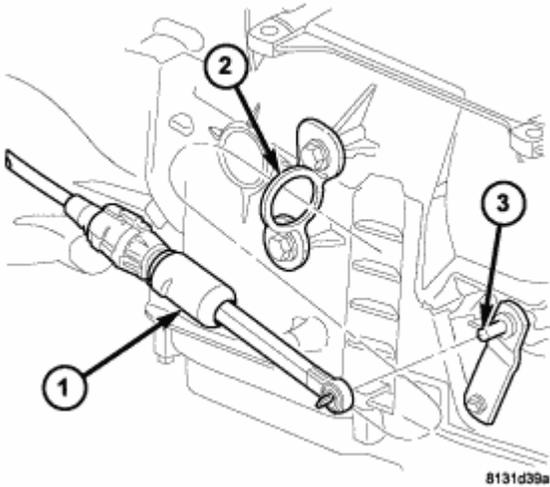


Fig. 30: Gearshift Cable, Gearshift Cable Bracket & Manual Shift Lever
Courtesy of CHRYSLER LLC

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| 1 - GEARSHIFT CABLE
2 - GEARSHIFT CABLE BRACKET
3 - MANUAL SHIFT LEVER |
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12. Disconnect the gearshift cable (1) from the transmission manual valve lever (3).
13. Loosen the bolts holding the shift cable retaining strap (2) to the transmission.
14. Remove the shift cable (1) from the transmission.

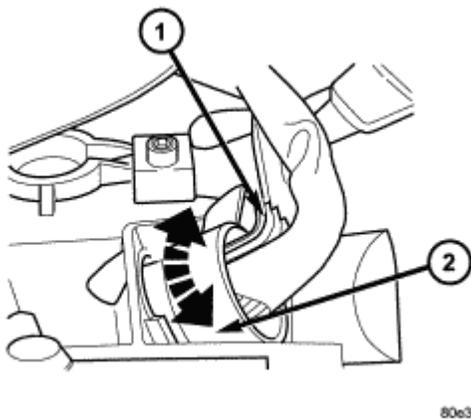
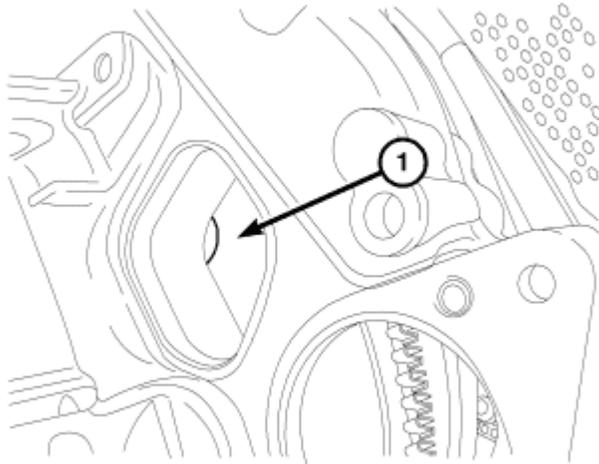


Fig. 31: Disconnecting 13-Pin Plug Connector & Turning Bayonet Lock Of Adapter Plug Counterclockwise
Courtesy of CHRYSLER LLC

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| 1 - PLUG CONNECTOR
2 - ADAPTER PLUG |
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15. Remove the heat shield from the 13-pin connector.

16. Disconnect 13-pin plug connector (1). Turn bayonet lock of the adapter plug (2) counterclockwise.
17. Remove the 13-pin connector (1) from the transmission.
18. Remove the starter motor from the transmission starter pocket and position aside. Refer to **REMOVAL** .

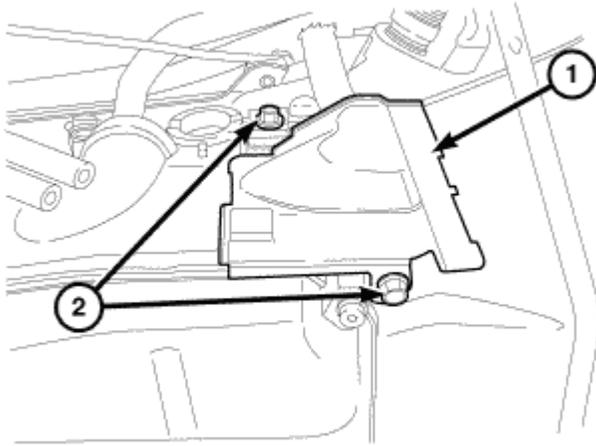


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Fig. 32: Flex Plate Bolt Access
Courtesy of CHRYSLER LLC

1 - FLEX PLATE BOLT ACCESS HOLE

19. Remove the flex plate bolt access cover.
20. With socket wrench on dampener bolt rotate crankshaft in clockwise direction until converter bolts are accessible. Then remove bolts one at a time through the access hole (1).

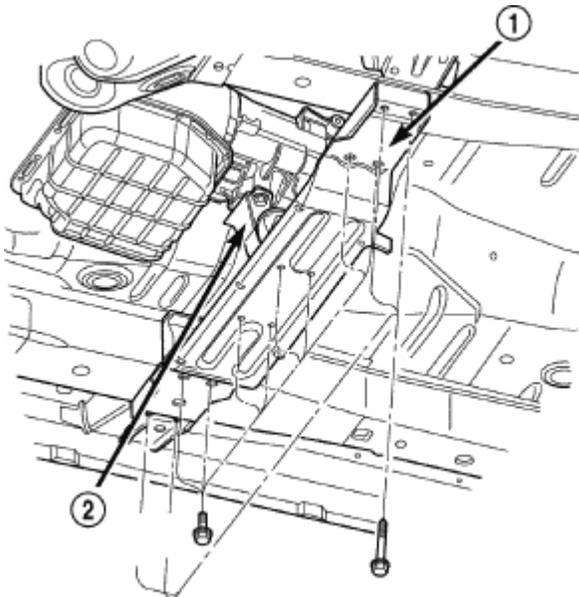


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Fig. 33: Fill Tube Cover Bolts & Fill Tube Heat Shield
Courtesy of CHRYSLER LLC

1 - FILL TUBE HEAT SHIELD
2 - FILL TUBE COVER BOLTS

21. Remove transmission fill tube heat shield bolts (2) and heat shield (1)
22. Remove the bolt from the transmission filler tube and position the tube aside.
23. Disconnect the transmission vent hose from the transmission.
24. Remove transfer case (if equipped).
25. Support rear of engine with safety stand or jack.



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Fig. 34: Crossmember & Rear Transmission Mount
 Courtesy of CHRYSLER LLC

- 1 - CROSSMEMBER
 2 - REAR TRANSMISSION MOUNT

26. Raise transmission slightly with service jack to relieve load on crossmember and supports.
27. Remove bolts securing rear support and cushion (2) to transmission and crossmember (1).
28. Remove bolts attaching crossmember to frame and remove crossmember.

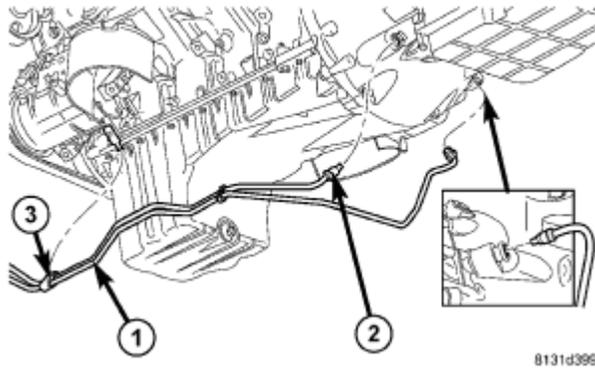


Fig. 35: Disconnecting Transmission Fluid Cooler Lines At Transmission Fittings And Clips
 Courtesy of CHRYSLER LLC

- 1 - TRANSMISSION OIL COOLER LINES
 2 - COOLER LINE FITTINGS
 3 - SUPPORT CLAMPS

29. Disconnect transmission fluid cooler lines (1) at transmission fittings (2) and clips (3).

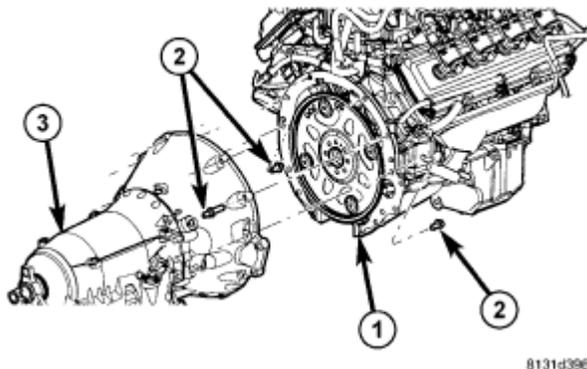


Fig. 36: Engine, Bolts & Transmission
 Courtesy of CHRYSLER LLC

2007 Dodge Nitro R/T

2007 AUTOMATIC TRANSMISSION NAG1 - Service Information - Nitro

1 - ENGINE
2 - BOLTS
3 - TRANSMISSION

30. Remove all remaining converter housing bolts (2).
31. Carefully work transmission and torque converter assembly rearward off engine block dowels.
32. Hold torque converter in place during transmission removal.
33. Lower transmission and remove assembly from under the vehicle.
34. To remove torque converter, carefully slide torque converter out of the transmission.