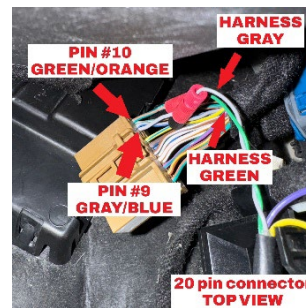
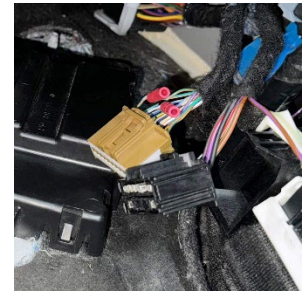
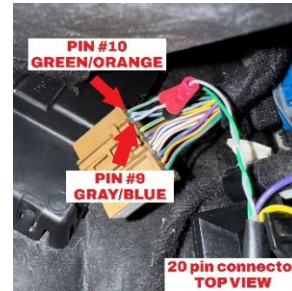


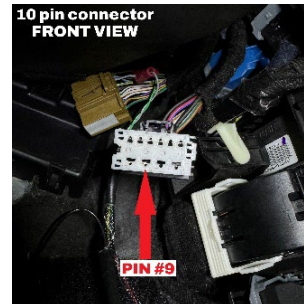
WARNING! Ignition **MUST** be turned off before beginning installation. Failure to do so may cause faults or permanent damage to the factory electronic modules.

Installation Steps

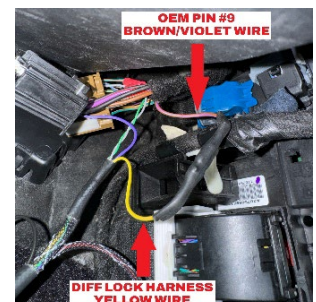
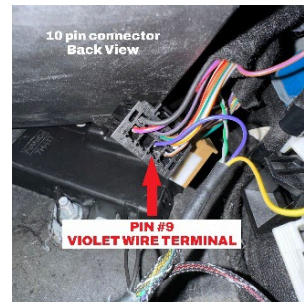
1. Remove the passenger side interior kick panel to access the fuse box and Transfer Case Control Module (TCCM).
2. Disconnect both factory connectors from the TCCM.
3. On the 20-pin connector (located on the right side of the TCCM), locate the **Green/Orange** wire (Pin 10) and **Gray/Blue** wire (Pin 9).
4. Unscrew the slotted caps from the two supplied Posi-Tap connectors.
5. Insert the Green/Orange and Gray/Blue wires into the slotted caps and tighten the main Posi-Tap bodies securely over them. Then connect the controller harness to the Posi-Taps on the 20-pin connector:
 - A) Connect the **Gray wire** from the controller to the tap on the **Gray/Blue wire** (Pin 9).
 - B) Connect the **Green wire** from the controller to the tap on the **Green/Orange wire** (Pin 10).



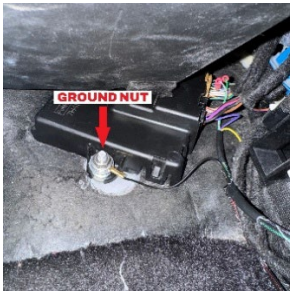
6. Release the white plastic locking retainer on the 10-pin TCCM connector. (*Tip: The retainer can be completely removed for easier terminal extraction.*)
7. Using the supplied paperclip tool, gently depress the locking tang inside the connector housing and extract **Pin #9** (**Brown/Violet wire**) from the 10-pin connector.



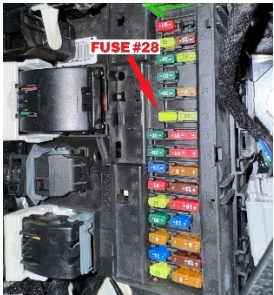
8. Insert the **Violet wire** terminal from the controller harness into the now-empty **Pin #9** slot until it clicks securely into place. Re-engage or reinstall the white plastic locking retainer.
9. Connect the extracted OEM Brown/Violet terminal to the **Yellow wire** terminal on the controller harness. Slide the supplied heat shrink tubing over this connection to insulate the exposed connection.



10. Reconnect both factory connectors back into the TCCM.
11. Route the ground ring terminal from the harness to the left mounting stud of the TCCM. Place the supplied 16mm washer directly over the factory nut, seat the ring terminal, and secure everything with the supplied serrated flange nut.



12. Mount the 2WD Diff Lock Controller directly on top of the TCCM housing using the pre-applied double-sided tape.
13. Locate fuse slot **F28** in the passenger fuse box. (*Note: This slot is unused in factory Raptor configurations*). Insert the controller's fuse tap into slot F28.
14. Plug the main harness connector into the 2WD Diff Lock Controller.



15. Enjoy your new off-road capabilities!



Wiring Reference Table

Vehicle Connection Point	Diff Lock Controller Harness
TCCM 20-pin connector Pin #9 Gray/Blue	Gray (via Posi-tap)
TCCM 20-pin connector Pin #10 Green/Orange	Green (via Posi-tap)
TCCM 10-pin connector Pin #9 slot (now empty)	Violet wire terminal (insert into connector)
Extracted OEM Pin #9 Brown/Violet wire	Yellow wire terminal (insulate with heat shrink)
TCCM left mounting stud	Ground ring terminal
Interior Fuse Box Slot F28	Fuse tap

Digital Copy:



If you have any questions or need installation assistance, feel free to contact: support@micracing.com