

2025 Jeep Gladiator – Trailer Tow Module Turn Signal Access for Plow Install

Can I use the Trailer Tow Module for clean LEFT/RIGHT turn signals?

Yes. The Trailer Tow Module (TTM) provides discrete LEFT and RIGHT turn outputs for the trailer connector. These are the best points to pick up signals for accessories like a plow.

Pickup Points:

- 7-Pin Trailer Connector (SAE Standard):
 - Pin 5 (Yellow): Left Turn/Stop
 - Pin 6 (Green): Right Turn/Stop
 - Pin 1 (White): Ground
 - Pin 4 (Black/Red): Battery Feed (fused)
- TTM Pigtail Behind Rear Bumper:
 - Same outputs as above, accessible for permanent installs.

Module Location:

Mounted rear frame/bumper area, near trailer connectors. No interior trim removal required for rear harness access.

Installation Tips:

- Use sealed relays or a signal interface to isolate plow wiring.
- If you need 'turn only' (no brake overlay), add a signal separator or diode network.
- Maintain weather sealing and strain relief on all connections.

Schematics:

Full wiring diagrams and pinouts are available via Mopar TechAuthority or dealer service portal (VIN-based lookup). Request Trailer Tow Module wiring pages for exact wire colors and connector details.

References:

- <https://www.techauthority.com>
- <https://www.rambodybuilder.com>
- SAE J2863 – Trailer Connector Standard

Pin 5: Left Turn (Yellow)

Pin 6: Right Turn (Green)

Pin 1: Ground (White)

Pin 4: Battery (Black/Red)