

Rock-Trac™ NV241OR Part-Time Four-Wheel Drive

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Rock-Trac™ is a part-time, shift-on-the-fly system that gives the Jeep® Wrangler Rubicon capability previously reserved for highly modified 4x4 vehicles, right from the factory.

Four-Wheel-Drive Modes

Two-wheel drive (2Hi): In this position, the front axle spins freely while power is sent to the rear axle to drive the vehicle.

Four-wheel-drive high-range (4Hi): In this position, the transfer case mechanically locks the front and rear driveshafts together, which then rotate at the same speed for maximum traction (this position is designed for temporary use when extra traction is required; only use on slippery or loose surfaces).

Neutral (N): This position allows the vehicle to be towed behind another vehicle (such as a motor home) without uncoupling the driveshafts.

Four-wheel-drive low-range (4Lo): In low range, the engine power is sent through another set of gears that multiply torque 4:1. This extreme gear ratio provides optimum torque and control in more severe off-road conditions.

Tru-Lok® Front and Rear Locking Differentials

A dash-mounted rocker switch sends a signal to a low-pressure actuator pump to mechanically lock the rear axle with one push, and both front and rear axles with a second push. The rear differential also functions as a limited slip when not in the lock position.

When to Engage Four-Wheel Drive

High range: On wet or snow-covered pavement, sand, gravel, etc.

Low range: For extreme off-road conditions that require low-speed technical driving.

How to Engage Four-Wheel Drive

High range: Shift transfer-case lever from 2Hi to 4Hi at speeds up to 55 mph.

Low range: Slow to 2-3 mph and put the vehicle transmission into Neutral. While still rolling forward in Neutral, shift the transfer-case lever firmly and smoothly, without pausing in the transfer-case Neutral position, into 4Lo. Return the vehicle transmission to the desired gear.

Availability

Standard on Jeep® Wrangler Rubicon.

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