

# Rear Differential Lock

In addition to the standard viscous coupling, the Vanagon Syncro will also offer a rear differential lock as an option. The shift valve for the lock is located in the center of the dash panel beneath the indicator lamp panel.

When the shift valve is pulled out, the differential lock is engaged via the lock sleeve located in the differential.

The engagement of the lock occurs as intake manifold vacuum is directed by the shift valve to the engagement side of the vacuum servo through the white colored plastic tubing. The lock sleeve is then pushed into engagement with the differential bevel gear.

A vacuum reservoir located next to the right hand frame rail stores vacuum for lock operation and works in conjunction with the one way check valve to insure that sufficient vacuum is maintained at all times.

Disengagement of the lock occurs when the shift valve is pushed in and vacuum is directed through the blue plastic tubing to the disengagement chamber of the vacuum servo.

The lock should only be engaged on icy, snowy or muddy surfaces at low speeds if the vehicle is in danger of becoming stuck.

