

Pedal Eases Down Slowly

A pedal that eases down slowly towards the floor, as firm even pressure is applied, indicates that the system is losing pressure.

A pedal that eases down toward the floor may be caused by:

- Fluid leaking past the internal seals in the master cylinder.
- Pinhole leaks in the lines or hoses.
- Seepage from wheel cylinder or caliper seals.
- Air in the system.
- A leaking outlet/dump valve in the anti-lock brake system (ABS) electronic hydraulic control unit (EHCU).

Pedal Eases Down Slowly Diagnosis

To diagnose a pedal eases down slowly concern, perform the following tests:

- Check the fluid level in the master cylinder.
- Check for external leaks at the master cylinder.
- Check for external leaks in the hydraulic system.
- With the engine running at idle and the transmission in PARK, apply firm pressure to the brake pedal.
 - If the pedal eases down and there are no external leaks, check for:
- Air in the hydraulic system.
- An internal leak in the master cylinder.
- A leaking outlet/dump valve in the ABS EHCU.
- Perform the master cylinder bypass condition test.
- Bleed the brake system.
- Follow the Soft or Hard Brake Pedal Symptom Chart in the ABS Section of the workshop manual to diagnose a possible leaking outlet/dump valve in the ABS EHCU.