

**Poor Lever/Pedal Brake Performance**

- Air in hydraulic system
- Low fluid level
- Leaking hydraulic system
- Improper break-in front and rear brake discs or pads
- Clogged fluid passage
- Contaminated brake pad/disc
- Contaminated caliper
- Contaminated master cylinder
- Worn or damaged brake pad/disc
- Worn caliper piston seal
- Worn master cylinder cups
- Sticking/worn caliper piston
- Sticking/worn master cylinder piston
- Warped/deformed brake disc
- Damaged wheel
- Caliper not sliding properly
- Bent brake lever/pedal

Above items are normal but still poor performance, check for nose dive during braking. If the nose dive excessive, check for secondary master cylinder hydraulic system.

**Brake Lever/Pedal Hard**

- Clogged/restricted brake system
- Sticking/worn caliper piston
- Caliper not sliding properly
- Worn caliper piston seal
- Sticking/worn master cylinder piston
- Bent brake lever/pedal
- Sticking/worn brake lever or brake pedal pivot

**Brake Drags**

- Contaminated brake pad/disc
- Misaligned wheel
- Worn brake pad/disc
- Warped/deformed brake disc
- Caliper not sliding properly
- Improper secondary master cylinder push rod installed length
- Clogged/restricted brake hydraulic system
- Clogged secondary master cylinder oil orifice (rear wheel drags)
- Sticking/worn caliper piston
- Clogged master cylinder port

**First locking the rear wheel when only the brake lever is applied/ First locking the front wheel when only the brake pedal is applied (In the case that all items are normal in "Poor Lever/Pedal Brake Performance")**

- Improper secondary master cylinder push rod installed length
- Faulty PCV (Proportional Control Valve)