



Spot These Common Shock Absorber Failures



OIL LEAKAGE

- Cause:**
- Rod lip seal leaks due to excessive wear, contamination or defect
- Warning Symptoms:**
- Shock absorber body is oily
- The Fix:**
- Replace shock absorbers in pairs



CHIPPED PISTON ROD

- Cause:**
- Wrong tools during installation
 - Hit by foreign objects
- Warning Symptoms:**
- Oil leakage
 - Compromised ride comfort
- The Fix:**
- Replace shock absorbers in pairs



WORN BUMPER STOP

- Cause:**
- Worn out protection kit
- Warning Symptoms:**
- Oil leakage
 - Compromised ride handling
- The Fix:**
- Replace shock absorbers in pairs



CORRODED SHOCK ABSORBER

- Cause:**
- Normal wear and tear
 - Severe weather conditions
- Warning Symptoms:**
- Oil leakage
 - Compromised ride comfort
- The Fix:**
- Replace shock absorbers in pairs



BROKEN SHOCK ABSORBER

- Cause:**
- Adverse road conditions
 - Abusive driving
- Warning Symptoms:**
- Compromised ride handling
 - Inability to drive vehicle
- The Fix:**
- Replace shock absorbers in pairs



DAMAGED BUSHING

- Cause:**
- Overloaded vehicle
 - Reinforced springs
- Warning Symptoms:**
- Compromised ride comfort
 - Noise and vibration
- The Fix:**
- Replace shock absorbers in pairs

Signs of Worn Shock Absorbers



Steering wheel vibration



Nosedives when braking



Veers in side winds excessively



Excessive bounce on rough surface



Unpredictable handling in bends



Uneven tire wear

- Resulting in:**
- Increased stopping distance
 - Poor steering response
 - Decreased tire performance



More than 20% increase in Stopping Distance



Shock absorbers degrade measurably by 60,000 km