

Bulletin BPI 06-21

Subject: Noise / Brake pull / Pulsation complaints could be related to bearing failure:
Vehicle Involved: ALL

Condition: Wheel Bearing Failure / Brake Problems

The severity of the bearing failure plays the greatest role in its ability to influence the braking system.

Noise is a classic indication of a bearing failure. The ability to pinpoint the origin of the noise during the braking effort becomes the inevitable problem. Visual inspection of the bearing and race, in addition to wheel endplay, become the primary means of bearing integrity diagnosis. With the wheel in the air, spin the wheel and listen with a stethoscope, for the beginning of bearing failure.

Abnormal brake induced pull could be generated by severe rotor looseness, as the result of bearing failure. This condition would provide excessive run-out, creating a brake pedal pulsation or a directional pull.

Uneven pad or rotor wear may be the result of a severe bearing failure. Run-out and pedal pulsation as additional symptoms may verify bearing problems.

The illumination of the ABS light and setting a wheel speed sensor code as the result of an air gap fluctuation between the tone ring and sensor.

