



BRAKES

ENGINEERED SOLUTIONS

Bulletin BES 01-05

Subject: When brakes are applied clunk noise evident in rear brake mechanism.

Vehicle Involved: 1997-1999 Jeep XJ Cherokee

Condition: On vehicles equipped with an 8 ¼ inch rear axle, when the brakes are applied a clunk noise may be heard coming from the rear of the vehicle. A rear axle shaft that does not have the correct size brake drum pilot flange may cause this condition. If the brake drum pilot area does not support the drum, movement of the drum is possible when the brakes are applied.

Repair Procedure: A vehicle that exhibits the symptoms stated above should be inspected. Remove both rear wheels and brake drums. Observe the pilot areas on the axles that support both the wheel and the drum. Confirm that the following dimensions exist. The wheel pilot diameter should measure between 2.808 –2.812 inches. The drum pilot diameter should measure between 2.826-2.832. If the drum pilot area is missing or does not adequately support the drum, the axle must be replaced.

Referencing the proper service manual, install a new axle shaft or shafts as procedures outline. Part number **05018393Aa**. Check and adjust differential fluid level if necessary.