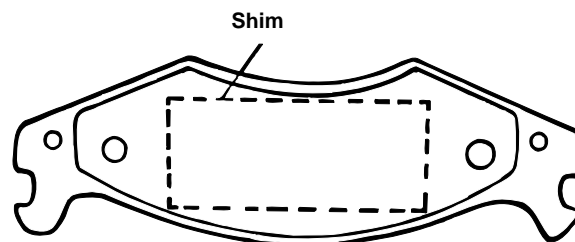


## 1986 Jeep Grand Cherokee/ Wagoneer Clunking Noise When Braking

Some 1986 Jeep Cherokee/Wagoneer models built prior to VINXXXXXXXXXX172669 may produce a clunking noise during brake application or release. This is due to inner disc brake pad movement.

The proper service correction requires installation of a shim on the inner pads where the caliper pistons contact the pads (see Figure 1).



Inner Brake Pads

Figure 1

The proper shim installation procedure is as follows:

1. Raise the vehicle and remove the front wheels. NOTE: TAKE ALL NECESSARY SAFETY PRECAUTIONS.
2. Remove brake calipers. CAUTION: DO NOT SUSPEND CALIPERS BY THE HYDRAULIC HOSES. SUPPORT THE CALIPER WITH A WIRE OR ROPE AFTER REMOVING INNER BRAKE PADS.
3. Open bleeder screws on caliper and compress pistons. Push pistons in caliper slowly and bottom them out. Close bleeders.
4. Thoroughly clean the area where the caliper pistons contact the pads.
5. Install Wagner disc brake shims, part number SH4052-7, to the back side of both inner pads and reinstall them. NOTE: CHECK PAD THICKNESS AND REPLACE AS NECESSARY.
6. Inspect calipers closely and clean the face of the piston. Be careful not to damage caliper piston dust boots while cleaning them.
7. Inspect, clean and lubricate all caliper mounting surfaces and hardware with silicone grease. NOTE: REPLACE ANY AND ALL WORN HARDWARE AS NECESSARY.
8. Install the calipers and tighten the attaching bolts to 40 N-m (30 ft. lbs).
9. Install wheels and lower vehicle.
10. Fill master cylinder to proper level and press firmly but slowly on the brake pedal to seat the pads in.
11. Recheck master cylinder fluid level and test drive.

Wagner disc brake shims are available in three packaged assortments:

SH4024 Domestic Assortment  
SH9600 Japanese Assortment  
SH7200 European Assortment  
Individual part numbers can be ordered singularly.