



Technical Bulletin

TB5011

July 22, 2003

Chrysler Minivan Rear End Rubbing Noise

**2003-2001 Chrysler Town & Country
Dodge Caravan
Plymouth Voyager**

These applications may experience a distinct rubbing noise from the rear end of the vehicle. This can be directly related to the rear wheel cylinders and proper lubrication of the moving components.

Chrysler offers a technical bulletin (05-004-02) to cover this issue.

See the attached document.

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CHRYSLER

Jeep

SERVICE BULLETIN

NUMBER: 05-004-02

GROUP: Brakes

DATE: Aug. 19, 2002

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SUBJECT:

Rear Brake Cyclic Rubbing Sound

OVERVIEW:

This bulletin involves applying lubricant to the rear wheel cylinder components.

MODELS:

2001 - 2003 (RS) Town & Country/Voyager/Caravan

NOTE: THIS BULLETIN APPLIES TO VEHICLES EQUIPPED WITH REAR DRUM BRAKES (SALES CODE BRB).

SYMPTOM/CONDITION:

A cyclic swoosh, squawk, squeak or grunt sound from the rear of the vehicle may be heard during medium to light brake application on vehicles equipped with rear drum brakes. The sound will be related to the speed at which the tire/wheel turns (one sound per revolution of the tire/wheel).

DIAGNOSIS:

If the vehicle operator describes the subject Symptom/Condition, test drive the vehicle to verify. Perform the Repair Procedure if the symptom/condition is experienced during the test drive.

PARTS REQUIRED:

Qty.	Part No.	Description
1	04883068	Lubricant, Wheel Cylinder
AR (4)	04238721	Plug, Backing Plate
AR (1)	05010884AA	Sealer RTV

REPAIR PROCEDURE:

1. Raise vehicle on suitable hoist.
2. Remove the rear tire/wheel assembly.
3. Remove the rear brake drum.
4. Remove both rear brake shoes from backing plate using the procedures outlined in the appropriate Town & Country, Caravan and Voyager Service Manual.
5. Clean the area around the wheel cylinder boots.
6. Peel back the edge of both wheel cylinder boots to separate them from groove in casting. Remove the boots and attached pistons from the wheel cylinder.

CAUTION: THE WHEEL CYLINDER LUBRICANT SHOULD NOT BE USED FOR ANY PURPOSE IN THE VEHICLE BRAKE SYSTEM OTHER THAN AS DESCRIBED IN THIS TSB.

7. Apply lubricant liberally to the surfaces of the pistons and inside the bore of wheel cylinder without disturbing rubber cup seals. Presence of small amounts of corrosion visible inside the bore of the wheel cylinder can be ignored provided there is no evidence of leakage of brake fluid past the rubber cup seals. Do not confuse traces of assembly fluid from the factory with brake fluid leakage.
8. Install the pistons and boots to the wheel cylinder. Make sure that the boots seal properly onto the casting groove all the way around the wheel cylinder. With your fingers, shuttle pistons back and forth in the wheel cylinder bore to distribute lubricant. Do not allow the boots to become dislodged from wheel cylinder casting groove.
9. Insure the wheel cylinder is sealed to the backing plate. If not, seal around the perimeter of the wheel cylinder using a small bead of RTV (p/n 05010884AA).
10. Install the brake shoes using the procedures outlined in the appropriate Town & Country, Caravan and Voyager Service Manual.

NOTE: INSURE BOTH (2) INSPECTION AND ADJUSTMENT PLUGS (p/n 04238721) ARE PRESENT IN THE BACKING PLATE

11. Wipe any spilled fluid from the outside of the wheel cylinder, as well as any other brake parts, including the linings.
12. Repeat step 2 through 10 for other brake assembly.
13. Install the brake drums and rear tire/wheel assemblies. Torque the lug nuts to 135 Nm (100 ft. lbs.).
14. Lower the vehicle.

POLICY:

Reimbursable within the provisions of the warranty.

TIME ALLOWANCE:

Labor Operation No:	Description	Amount
05-90-50-95	Cylinder, Wheel - Lubricate Both Sides	0.8 Hrs.

FAILURE CODE:

XX	Service Adjustment
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