

FILE NAME: Chrysler (CHRY)

DATE: 1999

DOC#: CHRY154

DOCUMENT DESCRIPTION: Technical Service Bulletins

1 9 9 9

***TECHNICAL
SERVICE
BULLETINS***

DaimlerChrysler Corporation



MOS15586

CAUTION

ALL SERVICE AND REBUILDING INSTRUCTIONS CONTAINED HEREIN ARE APPLICABLE TO, AND FOR THE CONVENIENCE OF, THE AUTOMOTIVE TRADE ONLY. All test and repair procedures on components or assemblies in non-automotive applications should be repaired in accordance with instructions supplied by the manufacturer of the total product.

Proper service and repair is important to the safe, reliable, operation of all motor vehicles. The service procedures recommended and described in this publication were developed for professional service personnel and are effective methods for performing vehicle repair. Following these procedures will help assure efficient economical vehicle performance and service reliability. Some of these service procedures require the use of special tools designed for specific procedures. These special tools should be used when recommended throughout this publication.

Special attention should be exercised when working with spring or tension loaded fasteners and devices such as E-Clips, Circlips, Snap rings, etc., as careless removal may cause personal injury. Always wear safety goggles whenever working on vehicles or vehicle components.

It is important to note that this publication contains various **Cautions** and **Warnings**. These should be carefully read in order to minimize the risk of personal injury, or the possibility that improper service methods may damage the vehicle or render it unsafe. It is important to note that these **Cautions** and **Warnings** cover only the situations and procedures DaimlerChrysler Corporation has encountered and recommended. DaimlerChrysler Corporation could not possibly know, evaluate, and advise the service trade of all conceivable ways that service may be performed, or of the possible hazards of each. Consequently, DaimlerChrysler Corporation has not undertaken any such broad service review. Accordingly, anyone who uses a service procedure, or tool, that is not recommended in this publication must assure oneself thoroughly that neither personal safety, nor vehicle safety, be jeopardized by the service methods they select.

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DaimlerChrysler Corporation Technical Service Bulletins

This book is part of a two-volume set. One volume, Publication Number 81-699-00004, covers service bulletins. Technical Service Bulletins are published to update and inform the service trades of engineering changes, production changes, and revised or new repair and diagnosis techniques. The other volume, 81-699-00005, contains bulletins that supplement and revise technical information previously published in service manuals.

Contents—Bulletins are grouped by subject and can be quickly located by using the tab index and the matching tab in the book. A master index is included to provide quick reference for all bulletins published in 1999.

Each group has an index which identifies the bulletin Subject, Models and T.S.B. Number. Those bulletins listed were the only ones published.

Part Numbers—Part numbers found throughout these bulletins are subject to change. Consult your current catalogs to confirm part numbers and availability.

Policy—These bulletins are supplied as technical information only. They are not an authorization for repairs. Reprinting of this information in whole or part is not authorized unless approved.

DaimlerChrysler Corporation reserves the right to make changes in design or to make additions or improvements in its product without imposing any obligations upon itself to install them on its products previously manufactured.

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Technical Service Bulletin

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Improved Door Weather Strip	1997 - 1999 TJ	23-41-99
Rear Headliner Sags	2000 AN	23-42-99
Door Window Glass Outer Belt Sealing Lip Rolls Over When Window Is Rolled Down	200 AN,DN	23-43-99
Sun Roof Water Leaks	1999 - 2000 WJ	23-44-99
Deck Lid Rattle, Water Leaks Into Trunk From Deck Lid Seal And/Or Dust Intrusion Into Trunk	2000 PL	23-45-99
High Effort Required To Adjust The Front Seats Forward From The Rear Position	2000 PL	23-46-99
Door Secondary Sill Weatherstrip Is Loose Or Is Missing	2000 AN, DN	23-47-99
Rough Sew Line On Seat Cushion	2000 JA	23-48-99
Sunroof Makes A ratcheting Type Noise When Opening or Closing	1996 - 1999 PL	23-49-99
Instrument Panel Creak	2000 PL	23-50-99
Instrument Panel Top Cover Not Properly Seated at Outboard Edges	2000 PL	23-51-99
Squeak Is Heard When The Window Is Rolled Down	1997 - AN, 1998 - 2000 AN,DN	23-52-99
Water Leak From Top Edge Of Right Front Door	2000 PL	23-53-99
Flag Speaker Screw Contacts Door Seal	2000 LH,LHS/300M	23-54-99
B-Pillar Applique On Doors Has A Brown Haze or Appears Discolored	2000 PL	23-55-99
Black Substance Dripping From The Lower Door Edge	1999 - 2000 FJ	23-56-99
GROUP 24 - HEATING & A/C		
A/C Refrigerant Charge	1999 WJ	24-01-99
A/C Compressor Service	1999 WJ	24-02-99

BULLETIN SUBJECT	MODELS	TSB NO.
No Warm Or Hot Air From The Climate Control System When The Engine Is Warm And The Climate Control Temperature Knob Is Set To Warm Or Hot	1998 - 1999 LH	24-03-99
Leak Detection Dye Added To The Air Conditioning System	1999 DN	24-04-99
Rear A/C Unit Blows Warm Air When Ambient Temperatures Are High	1998 - 1999 DN	24-05-99
Condensation (water droplets) May Form On The Exterior Of The Heater A/C Housing And Drip On The Floor	1999 WJ	24-06-99 Rev. A
Reduced Airflow From Center Outlets	1999 WJ	24-07-99
Heater Blower Whistle	1999 WJ	24-08-99
Removal Of Heater A/C Re-circulation Opening Cover During A New Vehicle Preparation	1999 AB	24-09-99
A/C System Blows Warm Air Intermittently	1999 NS,GS	24-10-99 Rev. A
A/C Cooling Performance Deteriorates After A Few Minutes Of Operation	1998-1999 AN, 1998-1999 DN	24-11-99
The Heating and A/C System will not switch to the instrument panel outlet mode	1999 TJ, XJ	24-12-99
A/C Evaporator Freeze Up	1997-1999 TJ, XJ	24-13-99
A/C Suction And/Or Discharge Line Service	1996 - 2000 NS,GS	24-14-99
A/C Compressor Lock-Up At Low Mileage	1998 - 2000 NS,GS,PL	24-15-99
Automatic Zone Control (AZC) Module Re-Calibration	1999 - WJ	24-16-99
Vibration Or Noise From HVAC Blower Motor	2000 PL	24-17-99
Flutter Noise From HVAC Mode Door	1999 - 2000 PR	24-18-99
Air Conditioning Performance	1999 DN	24-19-99
While in Bi-level Mode, Air Flow from Panel Vents is Less Than That of the Floor Vents	1997 - 2000 AN,DN 1998 DN	24-20-99 Rev. A
Water may Drip from the Bottom of the Evaporator Drain Tube and Enter the Passenger Compartment causing Wet Carpet or Water on the Passenger Compartment Floor	1997 - 1999 TJ	24-21-99

BULLETIN SUBJECT	MODELS	TSB NO.
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Technical Service Bulletin

1999 INDEX

**GROUP 05
BRAKES**

<u>BULLETIN SUBJECT</u>	<u>MODELS</u>	<u>TSB NO.</u>
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MOS15681

Technical Service Bulletin

NUMBER: 05-01-99

GROUP: Brakes

DATE: Feb. 26, 1999

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SUBJECT:
Brake Squeal

OVERVIEW:
This bulletin involves installing revised rear brake pads.

MODELS:
1999 (WJ) Grand Cherokee

SYMPTOM/CONDITION:
A brake squeal may be present at speeds over 35 mph with light brake pedal pressure. The condition will often be present for the first few miles when the brake pads are cold and will diminish as the pads warm up.

DIAGNOSIS:
If a customer complains of this condition, perform the Repair Procedure.

PARTS REQUIRED:
1 05011970AB Brake Pad Set - Rear

REPAIR PROCEDURE:

1. Raise the hood and remove some of the brake fluid from the master cylinder. This will prevent fluid from over flowing when the caliper pistons are positioned.
2. Raise the vehicle on a hoist.
3. Remove the rear wheel and tire assemblies.
4. Bottom the caliper piston in the bore by prying the caliper over.
5. Remove the rear brake calipers. Support the calipers by tying them up to a suspension component. Do not allow the calipers to hang from the flex hose or damage to the hoses may result.
6. Remove the brake pads and support springs from the caliper assemblies.
7. Install the new brake pads, p/n 05011970AB, onto the calipers.
8. Lubricate the slide pins and bushings with brake grease, Dow Corning part number G807 or equivalent.
9. Install the caliper to the anchor.
10. Install the slide pins and tighten them to 40 Nm (30 ft. lbs.).
11. Install the support spring.
12. Operate the brakes to seat the pistons.
13. Check and adjust the fluid level.
14. Install the wheel and tire assemblies.

Technical Service Bulletin

NUMBER: 05-06-99

GROUP: Brakes

DATE: June 25, 1999

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SUBJECT:

Accelerated Brake Lining Wear, Front Versus Rear

OVERVIEW:

This bulletin involves replacing the front and rear brake linings.

MODELS:

1994 - 1999 (BR/BE) Ram Truck

NOTE: THIS BULLETIN APPLIES TO 1500 SERIES RAM TRUCKS

SYMPTOM/CONDITION:

Front brake linings wear quicker when compared to the wear experienced on the rear brake linings. Typically, it is expected that the front brake linings will require replacement approximately twice before the rear lining assemblies will need replacement. Replacing the front brake linings more frequently would be considered accelerated front lining wear.

DIAGNOSIS:

1. Review service history to determine if front brake lining wear has been accelerated.
2. Visually inspect both front and rear brake assemblies for any signs of abnormal wear, abuse or mis-assembly of components. Refer to the appropriate Service Manual, Group 5, for information regarding service of braking components if the brake assemblies show signs of abnormal wear, abuse or mis-assembly of components.
3. If the front brake pads are evenly worn with the rear brake linings indicating light wear, perform the following Repair Procedure.

PARTS REQUIRED:

- | | | |
|--------|------------|------------------------------|
| 1 | 05013447AA | Kit, Front/Rear Brake Lining |
| 1 | 04761557 | Package, Hold-down Spring |
| AR (1) | 04318080 | Fluid, Mopar Brake, DOT 3 |
| AR (1) | 04549623 | Cleaner, Mopar Brake Parts |
| AR (1) | J8993704 | Grease, Brake |
| AR (1) | 04796269 | Lubricant, Mopar Brake |
| AR (1) | 04318066 | Lube, Mopar Spray White |

REPAIR PROCEDURE:

FRONT BRAKE LINING REPLACEMENT

1. Replace the front brake linings using the disc brake linings from the Front/Rear Brake Lining Kit p/n 05013447AA. Refer to the appropriate Ram Truck Service Manual, Group 05, for information regarding front brake lining replacement.

REAR BRAKE LINING REPLACEMENT

1. Replace the rear brake linings using the rear brake linings from the Front/Rear Brake Lining Kit p/n 05013447AA. Refer to the appropriate Ram Truck Service Manual, Group 05, for information regarding rear brake lining replacement.

NOTE: THE REAR REPLACEMENT BRAKE LININGS CONTAIN ASBESTOS. EXERCISE CARE WHEN SERVICING BRAKE PARTS. THE "OSHA PREFERRED METHOD" FOR DUST CONTROL MANDATED BY OSHA'S FINAL RULE ON ASBESTOS (29 CFR 1910.1001) RECOMMENDS TO CLEAN BRAKING COMPONENTS WITH A WET TYPE CLEANER SUCH AS PENTASTAR SERVICE EQUIPMENT CT-500, CT-200, OR HE-1450.

CAUTION: DO NOT CLEAN BRAKE PARTS WITH COMPRESSED AIR OR BY DRY BRUSHING.

2. For proper operation of the braking system, the rear brakes must be properly adjusted. Refer to the appropriate Ram Truck Service Manual, Group 05, for information regarding proper rear brake adjustment procedures.

POLICY: Reimbursable within the provisions of the warranty.

TIME ALLOWANCE:

Labor Operation No: 05-07-22-97 1.3 Hrs.

FAILURE CODE: P8 - New Part

Technical Service Bulletin

NUMBER: 05-07-99

GROUP: Brakes

DATE: June 25, 1999

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SUBJECT:

Use Of Asbestos Fiber Brake Linings

MODELS:

1995 - 1997 (AB) Ram Van/Wagon
1997 - 1999 (BR/BE) Ram Truck
1995 (JA) Cirrus/Stratus/Breeze

NOTE: THIS BULLETIN APPLIES TO 3500 SERIES RAM VANS/WAGONS, 3500 SERIES RAM TRUCKS, 1999 MODEL YEAR 1500 SERIES RAM TRUCKS, AND CIRRUS/STRATUS/BREEZE VEHICLES BUILT WITH SALES CODE BRK BEFORE JANUARY 1, 1995 (MDH 0101XX).

DISCUSSION:

The previously listed vehicle's braking systems are equipped with rear brake linings that contain asbestos fibers. Exercise care when servicing brake parts. The "OSHA Preferred Method" for dust control mandated by OSHA's final rule on asbestos (29 CFR 1910.1001, Appendix F) recommends to clean braking components with a wet type cleaner such as Pentastar Service Equipment CT-500, CT-200, or HE-1450.

CAUTION: DO NOT CLEAN BRAKE PARTS WITH COMPRESSED AIR OR BY DRY BRUSHING.

POLICY: Information Only

Technical Service Bulletin

NUMBER: 05-08-99 Rev A

GROUP: Brakes

DATE: Aug. 6, 1999

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THIS BULLETIN SUPERSEDES TECHNICAL SERVICE BULLETIN 05-08-99, DATED JULY 2, 1999, WHICH SHOULD BE REMOVED FROM YOUR FILES. BRAKE ROTOR P/N 52007715 HAS BEEN ELIMINATED FROM THE PARTS REQUIRED SECTION LEAVING BRAKE ROTOR P/N 52007716 TO BE THE ONLY BRAKE ROTOR USED WHEN PERFORMING THIS TECHNICAL SERVICE BULLETIN.

SUBJECT:

Accelerated Brake Lining Wear, Front Versus Rear

OVERVIEW:

This bulletin involves replacing the front and rear brake linings and the rear wheel cylinders.

MODELS:

1996 - 1997 (AB) Ram Van/Wagon

NOTE: THIS BULLETIN APPLIES TO 2500/3500 SERIES VEHICLES EQUIPPED WITH THE HEAVY DUTY 9 1/4 REAR AXLE (SALES CODE DRG).

SYMPTOM/CONDITION:

Front brake linings wear prematurely when compared to the wear experienced on the rear brake linings. Normally, it is expected that the front brake linings will require replacement approximately twice before the rear lining assemblies will need replacement. The accelerated wear condition can be identified by requiring the front brake linings to be replaced three to four times before the rear lining assemblies are replaced.

NOTE: CORRECT REAR BRAKE ADJUSTMENT IS A MAJOR FACTOR TO IMPROVE FRONT BRAKE LINING LIFE. IF THE VEHICLE IS NOT FREQUENTLY OPERATED IN A REVERSE DIRECTION WITH AGGRESSIVE AND COMPLETE BRAKE STOPS TO AUTOMATICALLY ADJUST THE REAR BRAKES, THE VEHICLE MUST HAVE A MANUAL REAR BRAKE ADJUSTMENT PERFORMED EACH 8047 KILOMETERS (5,000 MILES) OF VEHICLE OPERATION. REFER TO THE APPROPRIATE RAM VAN/WAGON SERVICE MANUAL, GROUP 5, FOR INFORMATION REGARDING REAR BRAKE "ADJUSTMENT WITH ADJUSTING TOOL."

DIAGNOSIS:

1. Review service history to determine if front brake lining wear has been accelerated, typically 3 to 4 times as often as the rear brake linings.
2. Raise the vehicle on a hoist.
3. Remove all four tire/wheel assemblies and the rear brake drums.

4. Visually inspect both front and rear brake assemblies for any signs of abnormal wear with any braking component, abuse, or mis-assembly of components. Refer to the appropriate Service Manual, Group 5, for information regarding service of braking components if the brake assemblies show signs of abnormal wear, abuse or mis-assembly of components.
5. Visually inspect the parking brake mechanism for proper operation and adjustment. Refer to the appropriate Service Manual, Group 5, for information regarding service of the parking brake system.
6. If the brake pads are evenly worn with the rear brake linings indicating light wear, perform the Repair Procedure.

PARTS REQUIRED:

1	04088898	Cylinder, Right Rear Brake Wheel
1	04088899	Cylinder, Left Rear Brake Wheel
1	04720191	Kit, Rear Brake Shoe And Lining
1	04728777	Kit, Front Brake Shoe And Lining
AR (1)	04883971	Sealant, Gen II Silicone Rubber Adhesive Sealant
AR (1)	04796269	Lubricant, Brake
AR (1)	04318081	Fluid, Brake
AR (2)	52008325	Brake Drum
AR (2)	52007716	Brake Rotor
AR (2)	03699678	Seals, Front Wheel Bearing

EQUIPMENT REQUIRED:

Brake Drum Gauge
Dial Indicator
Brake Rotor Micrometer

REPAIR PROCEDURE:

1. Apply a slight amount of pressure to the brake pedal and install a brake pedal depressor.
2. Using a wet type cleaner, clean the rear brake components to remove brake lining dust.

NOTE: THE REAR BRAKE LININGS CONTAIN ASBESTOS. EXERCISE CARE WHEN SERVICING BRAKE PARTS. THE "OSHA PREFERRED METHOD" FOR DUST CONTROL MANDATED BY OSHA'S FINAL RULE ON ASBESTOS (29 CFR 1910.1001 - APPENDIX F) RECOMMENDS TO CLEAN BRAKING COMPONENTS WITH A WET TYPE CLEANER SUCH AS PENTASTAR SERVICE EQUIPMENT CT-500, CT-200, OR HE-1450.

CAUTION: DO NOT CLEAN BRAKE PARTS WITH COMPRESSED AIR OR BY DRY BRUSHING.

3. Unhook the adjusting lever return spring from the lever and adjuster cable.
4. Remove the lever and the return spring from the lever pivot pin.