

Technical Service Bulletin

Number: 03-08-99

Group: Axles

Date: Nov. 26, 1999

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SUBJECT:

New WJ 186FBI Front Axle Pinion Gear Flanged Nut And Ground Collapsible Spacer

MODELS:

1999 – 2000 (WJ) Grand Cherokee

DISCUSSION:

Quality improvements have been made to two components in the WJ 186FBI (Dana Model 30) front axle. These revised axle components include:

- 1). A flanged pinion gear nut to replace the old pinion nut and washer combination.
- 2). A collapsible pinion spacer with both ends ground smooth and parallel to each other.

NOTE: WHEN MAKING REPAIRS TO THE FRONT AXLE, THE FLANGED PINION GEAR NUT IS TO BE ASSEMBLED TO THE PINION GEAR AND YOKE WITHOUT A WASHER. THE FLANGED PINION NUT REPLACES BOTH THE OLD STYLE PINION NUT AND THE PINION GEAR WASHER. THE OLD PINION GEAR WASHER IS LOCATED BEHIND AND NEXT TO THE OLD STYLE PINION NUT.

As a suggestion to assist the technician during tightening of the flanged pinion nut, a very small amount of a nickel anti-seize compound (p/n 05012249AA) may be placed only between the flanged surface of the pinion nut and its area of contact with the pinion yoke.

NOTE: NEVER ALLOW ANY LUBRICANT OR ANTI-SEIZE COMPOUND TO COME IN CONTACT WITH THE THREADS OF THE PINION GEAR OR THE PINION NUT. IF THIS WERE TO OCCUR, IT MAY CAUSE AN INACCURATE TORQUE READING.

Other than the inclusion of the revised pinion flanged nut and collapsible spacer, no changes to the current Service Manual axle repair procedure or torque specification is required.

The revised flanged nut and collapsible spacer entered vehicle production on approximately October 30, 1999 (MDH 1030XX).

PART NUMBER:

1	04864845AB	Spacer, Pinion Gear Collapsible
1	05017755AA	Nut, Pinion Gear Flanged (186FBI / Dana Model 30)

POLICY: Information Only

NO: 05-01-99

SUBJECT: Brake Squeal

DATE: Feb. 26, 1999

OVERVIEW:

This bulletin involves installing revised rear brake pads.

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:

Qty	Part No.	Description
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.

POLICY:

Reimbursable within the provisions of the warranty.

TIME ALLOWANCE:

Labor Op. No.	Time
05-70-22-90	0.5 Hrs.

FAILURE CODE:

Code	Description
P8	New Part