

2.88 DISC BRAKE

INSTRUCTIONS FOR INSTALLING SHIMS TO TAKE UP RAIL WEAR

- I. To determine need for shims:
 - A. Place screwdriver or other suitable tool in between caliper ① and outboard lining plate ② as shown in Figure 1. Apply light pressure in direction of arrows to force pistons back slightly from the rotor. Remove screwdriver.
 - B. Remove bolts ③ and spring assembly ④.
 - C. Remove bolt ⑥ and retainer ⑦.
 - D. Lift caliper ① up and off support rail ⑤. Do not let the caliper hang on the hydraulic hose. Lay the caliper on suspension or support it with a length of wire.
 - E. Wire brush support rails ⑧ and ⑨. Wire brush rail surfaces of the caliper.
 - F. Reinstall caliper ① on support ⑤.
 - G. Reinstall new retainer ⑦.
 - H. With the caliper ① in place on the support ⑤, pull out the top end of the caliper as if to remove it from the support. This will open up a gap (A) between the caliper rail and the retainer ⑦. See Figure 2.
 - (H.) Optional for brakes mounted forward of axle: Do same as "H" above except gap will open between caliper and spring assembly end of the support.

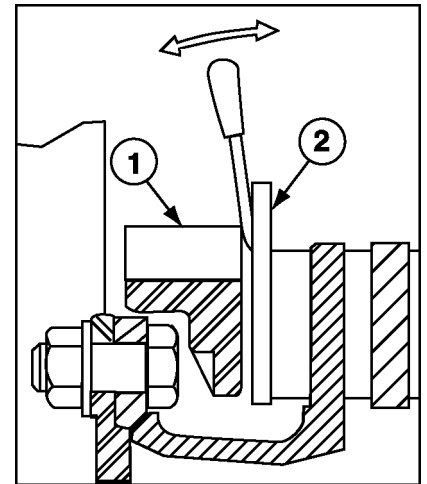


FIGURE 1

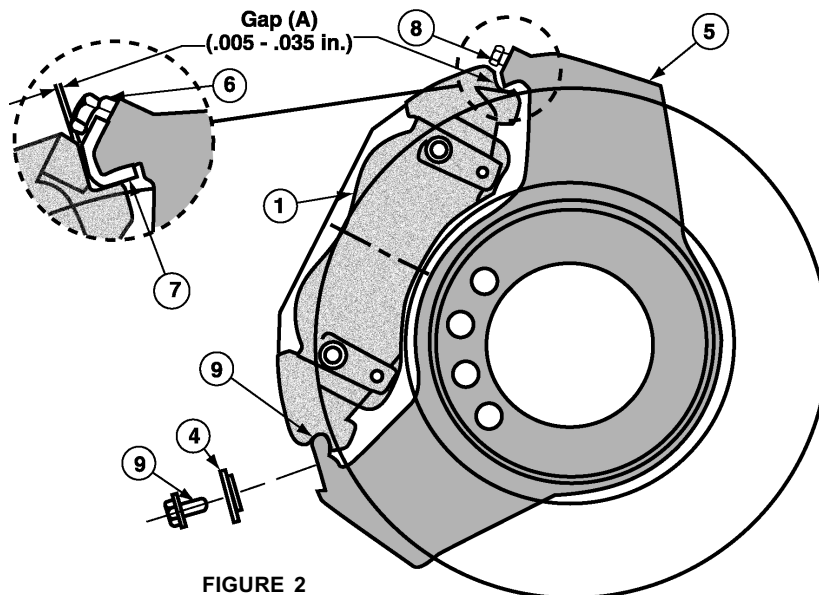


FIGURE 2

INSTRUCTIONS FOR INSTALLING SHIMS TO TAKE UP RAIL WEAR (Cont'd.)

- I. Place a screwdriver or other suitable wedge shaped device in the gap between the rail surfaces at (A) to maintain the gap when measuring.

CAUTION: Do not use excessive force to wedge the rails apart.

- J. Measure the gap at (A) with feeler gages. If measurement is within limits shown, no shims are required.
- K. If measurement is greater than the maximum value of .035", select a shim of proper thickness (see chart) to return the gap as close as possible to the .005" minimum.

II. Install shim as follows:

- A. Remove retainer ⑦.
- B. Lift caliper ① up and off support rail ⑤. Do not let the caliper hang on the hydraulic hose. Lay the caliper on the suspension or support it with a length of wire.
- C. Lubricate the rail surfaces of the caliper ① with grease approved for disc brake installations.
- D. with shim installed, return the caliper ① to its original position on the support ⑤. Install a new retainer ⑦ and a new bolt ⑥ that are provided in kit.
- E. Measure the gap at (A) between the retainer ⑦ and caliper rail to assure that the gap is not less than .005". If the gap is great than .035", repeat Step II, choosing a next thicker shim.

CAUTION: Do not use a shim thickness that will result in a gap width that is less than the .005" minimum.

- F. Install new spring assembly ④ provided in kit and bolts ③.

NOTE: If support ⑤ is replaced, measure new gap at (A) and install shim, if gap exceeds .035".

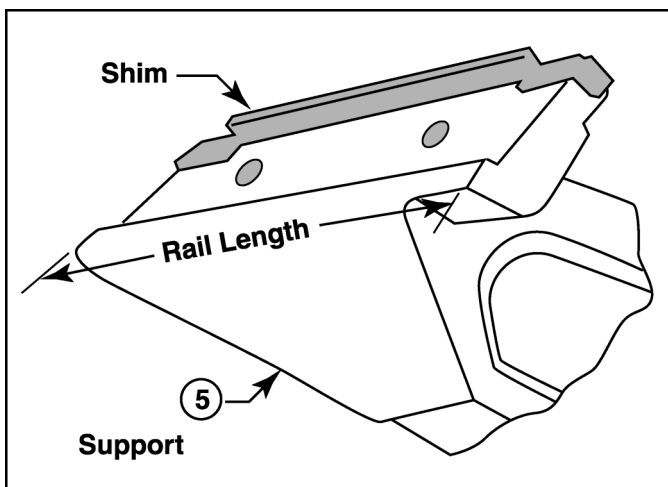


FIGURE 3

SHIM SELECTION CHART	
GAP (B) MEASUREMENT	SHIM NUMBER FOR RAIL LENGTHS 6.030 INCH & LARGER
.036 - .059	703*
.060 - .074	704
.075 - .089	705
.090 - .114	706
.115 - .130	707
IF THE GAP IS GREATER THAN .130, REPLACE SUPPORT 5.	
*NUMBER 703 IS THE THINNEST SHIM AND WILL NOT HAVE THE PART NUMBER STAMPED ON ITS SURFACE	

ArvinMeritor
Commercial Vehicle Aftermarket

Meritor Automotive, Inc.
7975 Dixie Highway
Florence, KY 41042 USA
859-725-3500
www.arvinmeritor.com

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