



Technical Bulletin

Installing R301 and R602 Combination Lining Sets onto Bus and Coach Vehicles Equipped with Meritor Cam Brakes

16.5 x 6" and 7" Q Plus™

16.5 x 6" Cast Plus™

16.5 x 6" and 7" Q Series

14.5 x 6" and 10" W Series

Hazard Alert Messages

Read and observe all Warning and Caution hazard alert messages in this publication. They provide information that can help prevent serious personal injury, damage to components, or both.



WARNING

To prevent serious eye injury, always wear safe eye protection when you perform vehicle maintenance or service.



ASBESTOS AND NON-ASBESTOS FIBERS WARNING

Some brake linings contain asbestos fibers, a cancer and lung disease hazard. Some brake linings contain non-asbestos fibers, whose long-term effects to health are unknown. You must use caution when you handle both asbestos and non-asbestos materials.

How to Obtain Additional Maintenance and Service Information

Refer to Maintenance Manual 23B, Bus and Coach Cam Brakes. To obtain this publication, call ArvinMeritor's Customer Service Center at 800-535-5560, or visit the Tech Library on our website at arvinmeritor.com.

Guidelines

Combination Friction Linings

Combination friction linings with different friction ratings on the primary and secondary shoes are frequently used. When you use combination friction linings, you must install the lining blocks to the correct locations on the brake shoes.

Always reline both wheels of a single axle and all four wheels of a tandem axle at the same time. Always install the same linings and drums onto both wheels of a single axle and all four wheels of a tandem axle. It is not necessary that the front and rear axles have the same linings and drums.

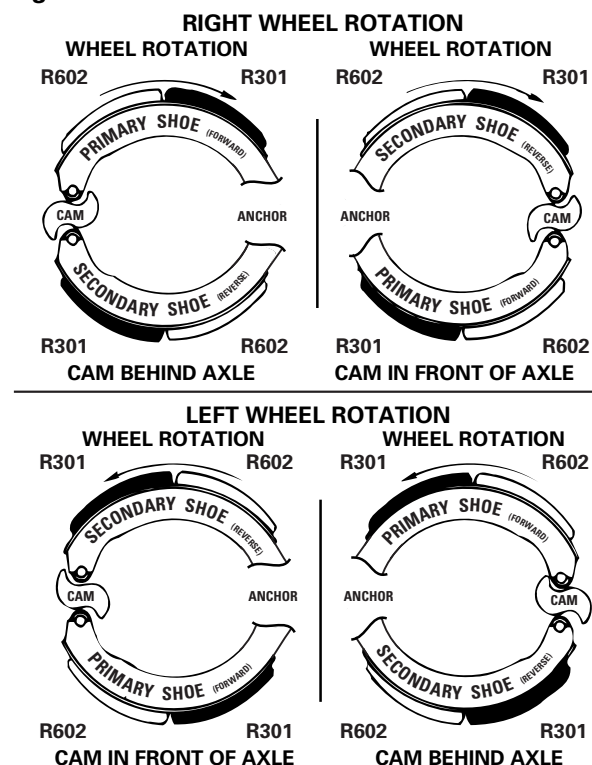
Determine the Location of the Primary and Secondary Brake Shoes

NOTE: If the orientation of the brake shown does not match the brake you are servicing, rotate the figure to the correct orientation and wheel rotation.

The first brake shoe past the cam in the direction of the wheel rotation is the primary shoe. **Figure 1.** The primary shoe can be either at the TOP or BOTTOM position, depending on the location of the cam.

- If the cam is **BEHIND** the axle: The TOP shoe is the primary shoe.
- If the cam is **IN FRONT** of the axle: The BOTTOM shoe is the primary shoe.

Figure 1



Install the Linings, Mount the Brake Shoes onto the Vehicle and Adjust the Brakes

NOTE: To maintain uniform lining wear at each wheel end, Meritor recommends that you install matching lining sets onto both wheels of a single axle and all four wheels of a tandem axle.

1. Install the R301 linings onto the primary and secondary brake shoes.
2. Install the R602 linings onto the primary and secondary brake shoes.
3. Mount the brake shoes onto the vehicle.
4. Adjust the brakes. Refer to Maintenance Manual 23B, Bus and Coach Cam Brakes.

ArvinMeritor™

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Printed in the USA

TP-2050
Revised 05-03
16579/24240