

# BRAKE LININGS MAINTENANCE GUIDE



## SAFETY IS THE BEST WAY

Brake linings are responsible for keeping the friction needed for the complete stop of the vehicle. They require a special and constant attention, and its replacement is fundamental when something different is observed.

Keeping the brakes in proper condition is also fundamental to assure the safety when stopping the vehicle, mainly during an abrupt braking. The maintenance break could change according to the duty cycle of each vehicle.

The recommendation is always replace the brake linings in the two wheels of the same axle, during the same time. The same type and size of brake lining must be used, otherwise, is possible to face balance problems on the brake system.

It is recommended to use carbon steel rivets, with anti-corrosion coating, due to the mechanical properties.



**BRAKE LININGS AND PADS**

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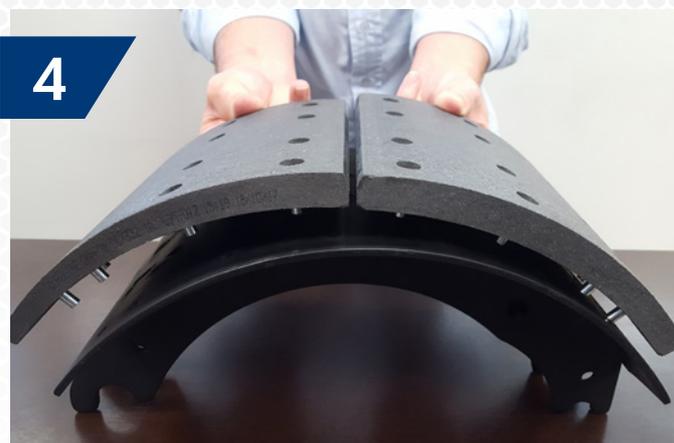
1 When removing the brake drums, make sure of the brake lane conditions and diameter.



2 Compare if the wear on brake linings is the same between the wheels from the same axle. Remove the springs and check if they are in proper condition of usage.



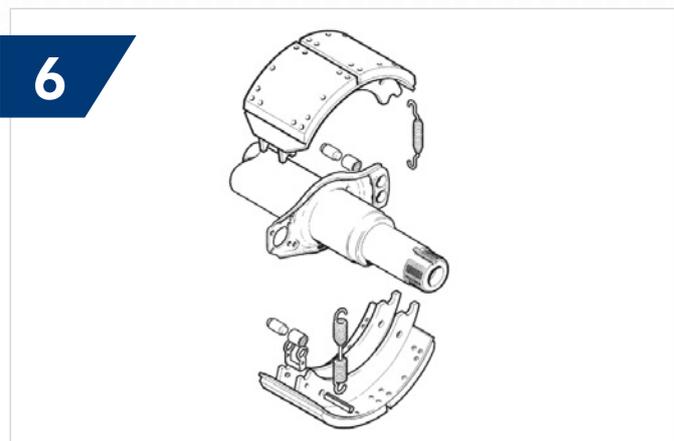
3 Remove the brake shoes and remove the used brake linings, inspect the contact surface on the brake linings and the anchorage points on brake shoes.



4 Place the new brake linings over the brake shoes and use proper rivets on shape, size and material for an ease riveting process.



5 After the riveting process, check the existence of cracks and gaps on the riveting area.



6 Inspect the items that make part of the brake system and make sure they are in proper condition of usage. Lubricate the pins and rollers and make the assembly of the brake shoes.

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