

Meritor® Remanufactured Brake Shoe

Overview

The Meritor® Remanufactured Brake Shoe Program restores brake shoes following the same high-quality standards as original Meritor production brake shoes. The remanufactured brake shoes and kits are supplied to exacting original equipment tolerances to provide premium performance.

“Even though the non-genuine parts may look the same, there are often differences and, in turn, performance may be sacrificed,” said Mark Purlilar, vice president and general manager of ArvinMeritor Commercial Vehicle Systems Aftermarket. “Some non-genuine parts may not experience the same rigorous scrutiny that Meritor genuine brake components go through. Our brake shoes endure the same high-quality engineering and testing as our OEM parts.”

Bringing worn brakes to their original performance level depends on several things – the proper brake shoe (new or relined), the right lining for the exact application and the genuine related hardware.

Brake Shoe Features/Benefits

- Heat-treated web ends for extra resistance to wear;
- Deep penetrating welds to provide greater strength at the web and shoe table connection;
- Controlled yield point steel, which provides more resistance to brake shoe deformity and stretching; and
- A 20-degree anchor end design for more even wear.

How the process works:

- 1) **Initial inspection** – Trained assembly technicians inspect the core for excessive wear. Cores are rejected for several factors that could affect performance, including: corroded tables, deformed web, elongated anchor pin holes or slots, elongated rivet holds, broken welds, bent tables or flattened roller slots.
- 2) **Washing** – The washing process begins with a preliminary cleaning that removes excessive oil and debris. A belt-conveyor washing process is then performed to remove any remaining grease and residue from the shoe’s previous use.
- 3) **De-lining** – A unique, high-volume de-lining process is utilized to remove the old linings from the shoes and prepare them for the next stage of the remanufacturing process.

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- 4) **Shot blasting** – The de-lined shoes receive extensive shot blasting to ensure a deep clean before moving onto the next step.
- 5) **Painting** – Environmentally friendly black gloss paint (HAPS-free), that has been tested for high-impact resistance, is used. The paint's rust-inhibitive elements protect the steel from environmental exposure.
- 6) **Re-lining** – The remanufactured brake shoes feature top-quality Meritor linings, which are engineered and tested to meet and exceed several standards. These include: FMVSS-121 certification, stringent QS-9000 quality standards and vehicle manufacturers' engineering specifications, to help optimize performance.
- 7) **Riveting** – All linings in the remanufacturing process are riveted following strict tolerances and quality

guidelines to help ensure a secure mount to the shoe table and provide peak performance.

- 8) **Quality inspection** – Meritor Remanufactured Brake Shoes receive a thorough inspection before being shipped.
- 9) **The label of approval** – The final step in the process is the addition of the Meritor® 'maroon' brake shoe label. Only those shoes that have passed the inspection process receive this label.

ArvinMeritor offers an extensive line of more than 300 remanufactured shoes and 250 remanufactured kits that cover nearly 90 different brake types and sizes. There are also 12 separate Meritor friction materials to choose from.

Meritor Remanufactured Brake Shoes and Kits are available through OEM dealers and authorized distributors.

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