



UD TRUCKS



Going the Extra Mile

UD Genuine Parts - Brake Lining

GENUINE VS NON GENUINE

Genuine UD Brake components are a priority when it comes to safe operation. They have been developed with an exclusive pore-free material which limits the chance of cracks forming in the drum over time. Genuine brake drums are designed to the correct material hardness specification. This is to make sure they can safely absorb the extremely high temperature levels and wearing characteristics that occur during operation. If inferior materials are used in the manufacturing process the drum could lose its stability and ultimately sacrifice its shape under pressure. Genuine UD drums and linings are the only guarantee of perfect fit every time.

Genuine UD brake drums and linings are developed together and adapted for specific applications and models to provide our customers with high levels of performance, safety and low cost of operation. Non-Genuine brake linings are not subjected to the same testing processes and cannot guarantee effective, long-term operation. Genuine linings have evenly distributed friction characteristics and extremely robust structural strength. Globally, UD subject their brake linings to three extensive testing periods under the toughest conditions to develop an optimised solution for UD customers. Testing includes fatigue, vibration and temperature testing among many more. All genuine UD brake linings are free of asbestos and lead.



FEATURES & BENEFITS

| FEATURES | BENEFITS |
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| BRAKE DRUMS | |
| Perfect Centring due to Precise Manufacturing | <ul style="list-style-type: none"> Reliable brake performance thanks to "made to measure" components Drum maintains its shape over the life cycle |
| Energy-Absorbing Material | <ul style="list-style-type: none"> Durable material that dampens vibrations Minimises Brake Squeal Provides long service life and better levels of comfort for drivers |
| Unique Drum Profile | <ul style="list-style-type: none"> Protects the other components of the brake system from foreign materials such as dust and dirt compromising the functionality of the brakes Uniform profile that delivers efficient performance. It's thermal expansion will reduce the chance of brake fade and has less tendency to crack |
| BRAKE LINING | |
| Designed to UD Specification | <ul style="list-style-type: none"> Right Part for Right Application, delivering greater levels of uptime – fast fitting times at UD Workshops will have trucks back on the road quicker Higher levels of safety with better braking, longer service life and lower operating costs |
| UD Brake Testing | <ul style="list-style-type: none"> Peace of mind for Truck Operators Components designed to work together – Ease of ownership Better performance than non-genuine alternatives. |
| Substances in the friction material | <ul style="list-style-type: none"> Minimizes the negative impact on the environment |
| Grooved and Chamfered Edges | <ul style="list-style-type: none"> Limits noise and vibration emitted during transport Increased Driver Comfort |

WHAT IS IT & HOW DOES IT WORK?

The UD drum brake system has been developed for maximum safety, which is a critical element of a truck. It consists of hydraulic wheel cylinders, brake shoes and a brake drum. When the brake pedal is applied the two curved brake shoes, which have a friction material lining, are forced by hydraulic wheel cylinders against the inner surface of a rotating brake drum. This produces friction which enables the vehicle to slow down or stop. These vital components; The Brake Drum and The Brake Shoe Lining, have been developed as co-dependent parts in a complex system. The fit between these two parts is integral in providing safe and effective braking performance.

UD Brake Linings are a friction material which is riveted to the brake shoe. They are designed to facilitate safe braking, but operators also demand high levels of service life and minimal disruption to operator driving. The brake lining must have the correct combination of friction material to provide ease of interaction with the drum.



UD Brake Drums are designed and manufactured to be exactly round with zero tolerance. They have a unique profile that allows uniform thermal expansion. The force created when braking means that the brake drum must absorb high levels of energy. Temperatures created by the contact between the drum and the linings can be as much as 500°C.

A unique combination of materials – friction sensor, abrasive, reinforcement fibres and binding agent – guarantees good braking power over the component life-cycle.

The linings are tailored to suit UD trucks and UD brake drums.

Perfect curvature and precise hole positioning mean the lining can be fitted quickly and easily.

Exactly the same linings as those fitted to brand-new vehicles.

Withstand high temperatures, thus giving excellent retardation even after repeated braking from high speed.



BRAKE MAINTENANCE TIPS

It's important to maintain UD Trucks brake systems on a regular basis. Ignoring brake issues can lead to unsafe operating conditions like increased stopping distance and reduced braking capacity. This could ultimately lead to extended periods of downtime and loss of revenue. Make sure your brakes remain in good condition by:

- Inspecting for worn-out, damaged or rusted components and ensuring optimal functionality of the brake adjuster.
- Checking for loose or missing brake system parts.
- Looking for evidence of cracked, damaged or worn linings or drums.
- Checking for air or hydraulic fluid leaks.
- Listening for unusual noises when pressing the pedal.



You can depend on Genuine UD Service when it comes to installing replacement parts on your truck. Brakes should be replaced in pairs to secure brake system efficiency and safety.

Our trained technicians are experts with key components of UD vehicles. When fitting brake linings it is critical that the parts are fitted 100% correctly to avoid any potential failure. You will also have peace of mind knowing the truck has been thoroughly inspected.

We go the extra mile for you

UD Genuine Parts is specially designed and tested for UD Trucks which guarantee quality, value and productivity.



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