JAKOPARTS

herthundbuss.com

Shock absorbers, springs & top strut mountings –

The keys to driving comfort and safety!



Passt immer!

HERTH+BUSS

JAKOPARTS

Engine I Transmission I Brake I Chassis I Electrics I Tools I Car body

The best for Asian vehicles!

We are specialists in Japanese and Korean vehicle models. With its comprehensive range and first-to-market promise, our Jakoparts range of spare parts is a real heavyweight. That's why we're always first choice.

Our services for you:

- over 20,000 vehicle-specific parts with 600,000 vehicle links
- exactly fitting parts allocation
- quality even for the latest models
- fast availability from Germany's no. 1
- spare parts for Asian vehicles from specialist Herth+Buss

Passt immer!



ENGINE

- Belts
- Gaskets/Seals
- Filter
- Cooling system
- Fuel system

BRAKE

- Disc brake
- Drum brake
- Brake hydraulic
- Parking brake

CHASSIS

- Suspension parts
- Steering components
- Wheel bearing kits
- Shock absorber

ELECTRICS

- Alternators+Starters
- Ignition system
- Glow plug system
- Switch
- Actuators+Sensors

TRANSMISSION

- Drive parts
- Clutch parts

TOOLS

- Processing+Installation

CAR BODY

- Gas Spring



HERTH+BUSS

Shock absorbers:

At the heart of safety and comfort on every road

Shock absorbers have an important job: they cushion road-surface jolts and ensure the necessary ground contact in every driving situation. Shock absorbers dampen body vibration more quickly and so enhance both safety and ride comfort. Together with the coil springs, they form the link between the wheel suspension and the body. An important element – and one which rounds off our existing range of spare parts perfectly, alongside top strut mountings and coil springs. Thanks to precise parts allocation, the available shock absorbers from the Jakoparts range are perfectly tailored to suit each vehicle.

An underestimated spare part
Uneven road surfaces, fully laden vehicles, cornering and potholes – everyday occurrences which demand top performance from shock absorbers. Which is why shock absorbers, like brake components, are classed as safety-related spare parts. Shock absorber wear does, however, tend to be a gradual process, depending on driving style and road conditions. The problem is that the average driver becomes accustomed to the steadily deteriorating car handling behaviour and only really notices it in emergency situations, when braking sharply for example – and even then no-one tends to think of the shock absorbers. This makes it all the more important to regularly check the shock absorbers, which are quite rightly considered to be one of the most heavily stressed parts of the suspension.

Consequences of defective shock absorbers:
- Longer braking distances
- Poor road holding on uneven surfaces
- Loss of ABS/ESP action
- Greater likelihood of aquaplaning
- Abnormal or uneven tyre wear
- Unstable road holding, particularly when cornering

Worn or defective shock absorbers should always be replaced for all wheels on the respective axle. Replacement of one single shock absorber will exacerbate the difference in performance and, in turn, lead to unstable handling.

Upturn in the European shock absorber market
The European shock absorber market plays a central role in the automotive industry and is constantly growing. Experts predict an annual growth of almost 4 % by 2030. Various factors are driving this development:

- Increase in heavy-duty vehicles and SUVs: The rising popularity of SUVs and heavy-duty vehicles is increasing the demand for high-performance shock absorbers, as their mountings are exposed to higher loads. This opens up new opportunities for shock absorber manufacturers.

- Trend towards electric and hybrid vehicles: The growing proportion of electric and hybrid cars on the roads poses special challenges for shock absorbers. Shock absorbers are subject to increased wear due to the higher weight and specific driving characteristics of these vehicles. This leads to an increased demand for more robust components that have to withstand the new requirements.



Concentrated technical know-how from parts specialists Herth+Buss
Even the best experts in the workshop sometimes reach their limits. With our tutorials, our Workshop-Buddies share their expertise with you and help to make your daily work as easy and efficient as possible. Of course, practical tips and tricks are also included. Subscribe our channel and never miss another tutorial from us!



Workshop-Buddies YouTube Channel

High robustness

Made of durable and resistant materials that can withstand even high loads.

Perfect fit

Thanks to precise parts allocation, our shock absorbers are individually tailored to the relevant vehicle.



Shown on OE

Jakoparts products are OE equivalent and tailored directly to the original equipment parts.

Block release certified

Install Jakoparts without voiding the warranty from your vehicle manufacturer.

Practical example

Perfectly fitting replacement shock absorbers
With over 18,500 vehicle-specific parts in our Jakoparts product range, we supply a comprehensive portfolio of products for Japanese and Korean vehicle models. Thanks to exact parts assignment, the shock absorbers available from the Jakoparts range are a precise fit and a perfect match for each particular vehicle. Important: worn or defective shock absorbers should always be replaced for all wheels on the respective axle. Replacement of one single shock absorber will exacerbate the difference in performance and, in turn, lead to unstable handling.

1. Loosen the nuts from the top strut mounting on the suspension-strut dome to enable these to be unscrewed by hand at a later point in time. Tip: treat rusty connections in advance with an appropriate contact spray.



00:00



2. Raise the vehicle and remove the wheel.

3. Now loosen all bolts on the shock absorber and remove the full sensor system and the brake line. Depending on the age of the vehicle, it may also be advisable to use a contact spray in this case.



15:00



4. Once you have removed all the nuts and bolts from the top strut mounting, the exposed suspension strut can be removed in its entirety. Tip: depending on the design of the vehicle, the stub axle may need to be propped up in order to prevent it from falling.

5. On the removed suspension strut, mark the position of the individual strut components with a continuous line to ensure smooth re-installation.





6. In the next step, compress the suspension strut using a spring compressor. Once the spring is sufficiently compressed by the spring compressor, the nut can be loosened from the top strut mounting, and the top strut mounting can be removed together with the spring cap.

7. Remove the exposed shock absorber from the spring.



30:00



8. Ideally replace all rubber components and install these on the new shock absorber from Herth+Buss. Important: when mounting the spring cap on the suspension strut, ensure that the guide mount sits on top of the one on the shock absorber.

9. Then screw the top strut mounting and the spring cap to the shock absorber and after that relax the spring.





Tip: on older vehicles, it is also recommended to replace the top strut mounting at the same time, as this will avoid any additional work at a later point.

10. The assembled suspension strut with the replaced shock absorber can now be installed on the stub axle again. The same applies for the previously removed sensor system and brake line.



45:00



11. Finally, tighten the nuts on the top strut mounting and shock absorber fully once more. Important: it is imperative to perform an axle alignment after replacing a shock absorber, a coil spring or a top strut mounting like the ones that are also available in the Jakoparts range!

THE PERFECT ADDITION:

Top strut mountings and coil springs

Our shock absorber range has been rounded off with an extensive selection of coil springs and top strut mountings. The range of top strut mountings is currently being developed.





Top strut mountings – How to protect your shock absorbers and driving stability
Top strut mountings connect the top strut with the body and ensure smooth steering and vibration damping. They enable the top strut to rotate during steering and contributes to reducing noise and vibration, significantly improving driving comfort.

Why replacing the top strut mounting is crucial
Top strut mountings wear over time due to high loads, impacts and vibrations. A worn mounting can lead to noise, impair steering precision and result in a poorer driving feel. It can also have a negative impact on the function of shock absorbers, thus endangering driving stability. Replacement is necessary if noises such as cracking or jangling occur, the steering becomes stiff or imprecise. When replacing the shock absorbers, top strut mountings should also be checked and replaced at the same time in the event of wear to save costs and guarantee driving safety.

Top strut mounting
Article number: J442*





SHOCK ABSORBER PROGRAM

Coil springs – Even load distribution and driving stability
The main task of the coil springs is to cushion impacts from the road and ensure even load distribution. They ensure a stable vehicle position by carrying the vehicle weight and preventing the vehicle from sagging or rocking excessively in the event of unevenness or strain. They also contribute to traction and driving stability.

When coil springs should be replaced
Coil springs wear due to years of stress, particularly in harsh road conditions or heavy loads. Cracks, corrosion or breakage of the spring are frequent signs of wear which require immediate action. A broken spring leads to uneven load distribution, which has a negative impact on the driving behaviour and also puts strain on the shock absorbers and other suspension components.
Replacement is necessary in the event of visible damage or corrosion on the springs, if the vehicle is lowered or if the suspension is uneven. The suspension should also be checked and replaced if necessary if the driving behaviour is noticeably hard or unstable.

Coil spring
Article number: J440*/ J441*



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