

HIGH PERFORMANCE SUSPENSION KITS

Drivetech

THERE IS NOTHING ELSE LIKE IT!

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The Drivetech 4x4 Supashock suspension lift kits combine the expertise and experience of Supashock and Drivetech 4x4 in the development and production of vehicle specific kits that deliver ultimate ride quality and performance.



AUSTRALIAN DESIGNED, TESTED, MANUFACTURED AND ASSEMBLED

- Drivetech 4x4 Supashock dampers are designed, tested, manufactured and assembled at Supashock's world class manufacturing and test facility in Adelaide, South Australia.
- The Supashock Engineering team has extensive experience in motorsport, OEM, mining and defence industries.
- Designed using technologies that were developed, tested and refined, for mining, racing, military and performance vehicles.



DRIVETECH 4X4 SUPASHOCK INVERTED STRUT TECHNOLOGY

- Developed for motorsport and mining applications, providing each damper with superior strength and durability.
- 64mm main shaft constructed using aerospace grade materials.
- Main shaft and outer casing provide incredible resistance to bending and buckling when carrying heavy loads and during large impacts.
- Incorporates a redundant sealing system which acts as a second seal, this prevents the main seal from being damaged by rocks, mud, water or other corruptive ingress material, maximising service life.



Unique Vehicle Specific Kits



3 Years/80,000kms Warranty

DRIVETECH 4X4 SUPASHOCK HIGH DISPLACEMENT PNEUMATIC BUMP AND RIDE CONTROL

- Provides additional load bearing capability, reduces harshness and acts as a pneumatic bump stop.
- Originally developed for mining vehicles to minimise operator injuries.
- Uses an innovative design to build pneumatic pressure where it is needed and soften the harshness generated by road inputs.
- During high wheel articulation the pneumatic bump stop system provides a cushioning effect on hard landings and regulates the stress transferred into other components on the chassis, increasing their service life.

DRIVETECH 4X4 SUPASHOCK INPUT RESPONSE TECHNOLOGY

- This technology eliminates unwanted damper lag, allowing the damper to control the wheel and body as soon it starts to move.
- With the damper working at 100% as soon as it starts to move, the suspension becomes highly efficient at controlling the wheels and body, providing excellent ride quality and off-road performance.
- By eliminating unwanted damper lag, the dampers become extremely responsive. This provides extremely precise handling, due to the speed that road inputs are transmitted to the steering wheel. The responsiveness also keeps the tyre on the ground by minimising wheel bounce over bumps, significantly improving traction.
- This technology reduces internal damper pressures, which reduces heat generation and stress on the entire damper and chassis, increasing their service life.



TUNED DAMPING AND OPERATING WINDOW

- Designed and tuned so that they do not need external adjustment, providing a wide operating window and unrivalled performance.
- Dampers are tuned to each application and the variety of road conditions it will be exposed to.
- Proprietary piston and valve assembly currently used in top level circuit racing, off-road racing and mining.
- Copes with large and rapid shaft displacements while still being able to soak up smaller bumps without causing harshness.
- Maximum road contact, vehicle stability and driver confidence.
- Ultimate handling performance on and off-road.

SUPASHOCK'S PATENTED SHELL RESERVOIR SYSTEM

- Each damper features Supashock's patented Shell Reservoir system.
- The Shell Reservoir system has a floating piston that separates the pressurised gas from the oil and allows for a larger oil volume than most remote canister dampers on the market, making it extremely thermally efficient.
- Provides the performance benefits of a monotube damper packaged into the same space as a twin tube damper, without the need for an external canister or external bracket.

HIGH PERFORMANCE BUSHES

- The bushes used in the dampers are manufactured using a specially designed material compound developed in Australia for mining vehicles.
- The material has extremely high resistance to cracking and hardening and can carry extremely large loads.
- The stiffness characteristics of the material have been tuned to maximise service life and minimise harshness.

MATERIALS

- The dampers are manufactured from aerospace alloys and the highest quality hard chrome rods.
- Surface coating technology developed in mining and defence provides extremely hard and durable surfaces on every component, giving them the ultimate resistance to sand, mud, rocks and corrosive fluids.

ADJUSTABLE SPRING PRE-LOAD AND STRESS RELIEVING SEAT

- All coil-over type front struts have adjustable spring seats for ride height adjustment.
- The adjustment system features a stress relieving bearing that allows for easy adjustment and eliminates torsional spring stress during damper compression, providing consistent performance and extending the life of the spring.





FOR FURTHER INFORMATION PLEASE CONTACT

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AVAILABLE FROM: