Crash Avoidance Systems

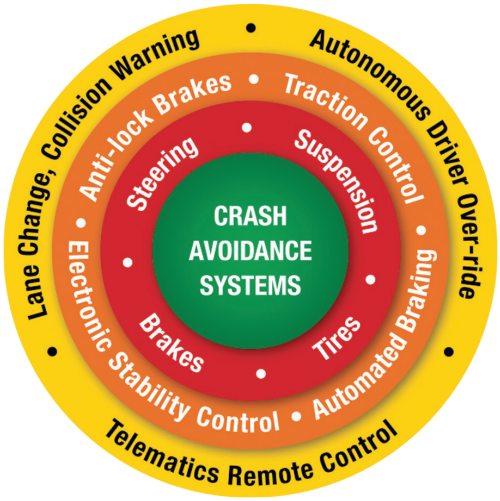
KYB World Class Shocks & Struts | OEA Original Equipment for the Aftermarket

What the Motorist Needs to Know ... And How You Can Help

Designed Vehicle Control ...Is No Accident!

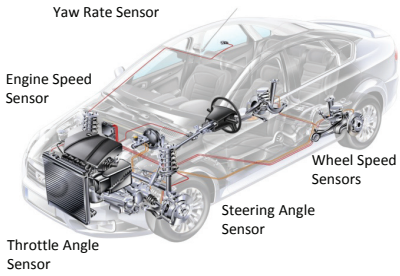
Chapter 1:

- About 80% of all vehicles on the road today are not capable of _____ Vehicle Control
- Electronic Crash Avoidance Systems are dependent on the performance of the Steering, _____, Brakes & Tires
- Computers and wiring don't _____ due to age, but the Ride Control components do!
- Actively helping the motorist become aware of Ride Control Conditions leads to making better decisions about maintaining _____

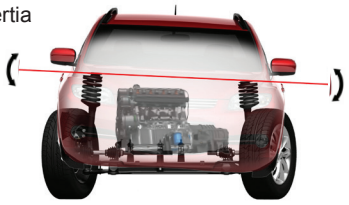


Chapter 2:

- Shocks & Struts control _____ movements.
- Spring movements control Pitch, Roll, _____ and Traction.
- Excessive body movements can cause _____ to engage.
- The _____ components determine how well Crash Avoidance will perform.

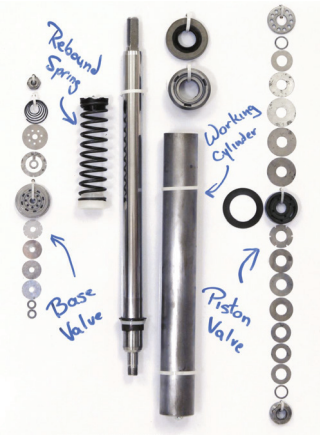


Ride height, weight & inertia control



Chapter 3:

- Multiple stage damping valve discs control the _____ and movement of the upper piston shaft & lower base/mount.
- Damping valves are calibrated in stages to provide comfort & _____ in any driving situation.
- As damping discs fatigue the first sign is reduced _____ grip.



Evaluating & Reporting Conditions

Nose Dive/Acceleration Squat
Front end dives or bounces after a stop, Front rises or Rear end dips during acceleration

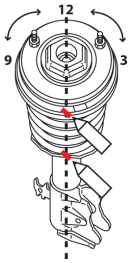
Steering/Body Movement
Unresponsive, sluggish steering, excessive body movement or roll

Ride
Harshness or roughness on bumps, noisy ride, over-reacts

Conditions Rating Scale

Chapter 4:

- Evaluating current shock & strut condition relies on _____ and component inspections.
- Benchmarking is what _____ your road testing measurements..
- Road testing should include a quick full stop and acceleration from a stop, rapid lane changes and driving on various _____.
- All conditions will be present. The purpose of the road test is to report how significant each one is. Use the _____ for reporting accuracy.
- Rate each of the three road test maneuver capabilities from 0 (like new) to _____.
- The sum of all three rating numbers provides a performance measurement of the _____ & _____.
- The performance rating allows the motorists to make better _____ decisions.



Installation Tips

- Protect the polished shaft from scratches
- Always inspect & use any included hardware
- Use a torque wrench & specs for the shaft nut
- Double check the order of bushings & washers
- Mark before disassembly & “clock” the mount
- When replacing a strut ...replace the mount too!

Watch these videos at:
www.kyb.com/tips

And, please visit
www.kyb.com to Learn More!

KYB’s mission is to provide products and training that help keep the vehicle and the motorist ... In OE Designed Control!

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