

# THE FACTS ARE IN: REPLACE WORN SHOCKS

## UNDERSTANDING THE SAFETY BENEFITS OF NEW SHOCKS & STRUTS

### WHAT SHOCKS DO

#### PART 1

Shock absorbers & struts contribute to your vehicle's **steering and handling precision** by maintaining tire-to-road contact, reducing steering wander and controlling suspension movement in key situations.



#### PART 2

Shocks & struts help **reduce stopping distance**, including in braking emergencies, by keeping your tires in contact with the driving surface and preventing excessive weight transfer to the front wheels (brake dive).



#### PART 3

Shocks & struts together with Protection and Mounting kits help keep your vehicle **upright, stable and in its lane** in turns, on roundabouts and in sudden emergency maneuvers by limiting weight transfer, body roll and lean and contributing to tire grip.



#### PART 4

Shocks & struts help provide the unique **handling and comfort** that led you to purchase your vehicle. These characteristics can slowly disappear as your shocks and struts lose their damping effectiveness.



### SAFETY FACTS

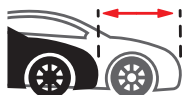
#### STEERING ACCURACY

Worn shocks and struts can **make your car more difficult to control** in certain situations by increasing steering wander and reducing tire-to-road contact.



#### STOPPING DISTANCE

A vehicle equipped with shocks/struts that are 50% worn, traveling at 80 Km/h, will need an **extra 2.6 meters of stopping distance** than the same vehicle equipped with new shocks/struts.



#### VEHICLE STABILITY

A vehicle equipped with shocks/struts that are 50% worn, traveling at 60 Km/h around a 40° turn, can **lose stability and go off course 7 Km/h sooner** than the same vehicle with new shocks/struts.



#### TIRE LIFE

The presence of a worn shock absorber or strut can **increase wear of the corresponding tire by more than 7%**.



### BENEFITS

#### SAFER STEERING

New shocks, struts, mounting kits and protection kits can help restore like-new steering precision and control in virtually any passenger vehicle\*.



#### IMPROVED STOPPING

New shocks & struts can help improve the effectiveness of your brakes and tires in a full range of stopping situations.



#### GREATER STABILITY

New shocks & struts can help keep your vehicle more firmly planted on the driving surface and in its lane while cornering.



#### SAFER, MORE ENJOYABLE RIDE

Shocks & strut replacement can make it easier to control your vehicle, increase your comfort and make it fun to drive again.



\*TÜV Tests – Institute of Traffic Safety

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