Crash Avoidance Systems



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	Seguin Seguin Marviu	kes • Traci
•	Electronic Crash Avoidance Systems are dependent on the performance of the Steering,, Brakes & Tires	Lane Change, Country of Manager Anti- Anti	CRASH AVOIDANCE
•	Computers and wiring don't due to age, but the Ride Control components do!	Stability	8
•	Actively helping the motorist become aware of Ride Control Conditions leads to making better decisions about maintaining	Yaw Rate Senso	
	Chapter 2:	Sensor	
•	Shocks & Struts control movements.		Changing An
•	Spring movements control Pitch, Roll, and Traction.	Throttle Angle Sensor	Steering An Sensor
•	Excessive body movements can cause to engage.	Ride height, weight & inertia control	
•	The components determine how well Crash Avoidance will perform.		
	Chapter 3:	,	
•	Multiple stage damping valve discs control the and movement of the upper piston shaft & lower base/mount.		Rebauns Spanning
•	Damping valves are calibrated in stages to	Nitrogen Gas	
	provide comfort & in any driving situation.	Morking Cyl. Hydraulic Fluid	WI 1W
•	As damping discs fatigue the first sign is reduced grip.	W	8 Bose Valve

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



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



Conditions **Rating Scale**



Visual Inspections:		Notes Conditions	
TIRES			
- Total Processors and No.	VD WD		
- Tread Wear (Courses, coppling, etc.)	- ng mb		
STEERING			
• To Rody/To Red Endy/Shoring Posts or Links	φ		
- Shoring Gear/Other			
SUSPENSION	Front Rear		
- Bal Junta	0000		
- Stati Joseph - Country Tradition &come	00 00	E00 E 1 7	
Control Trailing Arms Rubber Bushings	00 00	Ride Control	Conditions Worksheet
- Sway Eur Components	00 00		
- Springs and Mountings	00 00	Customer	Date
Stand Limiting Statemout Burgers	00 00		
Stand Limiting (Bultom-out) Bumpers Other		YearModel	Mileage Technician
STRUTS AND SHOCK ADSORBERS	Front Rear Letters Letters		
	0000	1896	te Control & Crash Avoidance Systems depend on the condition & performance
- Platon Rod (Danaged or Binding)	00 00	CAPI	ability of your sehicle's Ride Control components. Me road tested & inspected in Deering. Suspension, Brakes & Tires. These results are based on our training.
Oil Seed (Leaking) Seed (Form, Leaking) House's Seerings (Leans or Demand)	00 00		r obsering, outgenision, brakes & nies, i head insults are based on our training nif experience to help you make better vehicle maintenance decisions.
Mounts Seatings (Loose or Damaged) Tube Sorty Consent)	0000	6 E	0.000
	0000	1	Visual Inspection Results Summary
- Other			(Delta (dere may rest aberlar) New No.
BRAKES	Front Rear Latings Latings		Your Torre
- Diss Paris Brate Street	0000	Cost Audinor	Tre cressures, tread death, usay
- Disc Batters Grown	0000	Spinery Spinery	ur petern all appear OK
+ Culipers/Mhad Culinders	0000	Carraca	Drakes
- Other Hydraulic Components	0000	Vehicle is equipped with:	Discipade, noors, brake shoes, drums, hardware, hydraulics appear OK
- Orako Hardware	0000	C Electronic Stability Control	
		□ Tule Hith.	Steering tritage, tie rods & ends.
Braking Performance:	Other:	D no one transmen	steering gear appear OK
☐ Pulls No conclude		Asstone Eulementweet	Syspension
Pulls to one side Sharres or pulsates			
☐ Uncores or pulsates ☐ Non-lore or spongy peolel		Other	swey for links appear OK
D Notes			
D		17 Ca 2	Shock & Strut Road Testing Results
			Each condition was accred from 0 to 5
	ECVER !	6 3	Nose DiverAcceleration Squat &
	British Data Library	Francis	Front and dives or bounces after a stop. ses or floor and dips during acceleration.
	200000000000000000000000000000000000000		
		Lite New	Streeting/Body Movement (
		1 mm 20 M	Excessive body movement or roll
		II \$ 0	Highway or resolves on lumbs
		T Extrant	noisy rise, over-reacts
			No action needed or suggested 6-5
			shoots 6 study to region performance 6-15 Total



- 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.





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

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

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

