

Ride Performance Technology Roadmap

	2012	2013	2014	2015	2016	2017	2018	2019
Product Cost Leadership	Thin Wall Lightweight Monotube	Aluminum Dual Tube Seat Damper	Best Cost CVSA Shock	RV+ (New Global Rod-Displaced Valving)	HD LCV Strut	Ultra Low Cost Damper		
Superior Functionality	Thin Wall Lightweight Monotube	CVS Double Path Mount (Cab Shock) Improved Monotube (Low Temperature) Global Hydraulic Rebound Stop New Double Tube Base Valve Global BOCS Valve Lightweight Heavy-Duty Torque Rods Lightweight Top Mounts	Frequency Dependent Damping (FDD) Valving System New CVS 45mm Shock Plastic Spring Seat (for Struts) Exhaust Isolator Cartridge Mount Mini Shear Hub Exhaust Isolator Modular Coulomb Exhaust Damper	RV+ (New Global Rod-Displaced Valving) MTV+ (Improved MTV Valve) Comfortmax Monotube Controlled Torque™ Spring and Shackle Bushings	Aluminum Dual Tube Automotive Damper Hydroelastic™ Subframe Mounts CTrk Hydroelastic™ Cab Mount Next Gen Exhaust Isolators	Adaptive Top Mounts Decoupled Hydroelastic™ Mounts		Lightweight LV Elastomer NVH Solutions Lightweight CTrk Elastomer NVH Solutions
Advanced Technology	CVSA2 / Kinetic® with hydraulic leveling CVSA2 External Valve Gen2 Hydroelastic™ Body Mount	Motorbike Electronic Shocks	Dual Valve Semi-active Damper	RC1 & RC2 (Uni- & Bi-directional ride comfort) Integrated Height Valve (for Cab) Dual Mode Damper Smart Actuator for Aftermarket NVH System Analysis Tools	Semi-active Internal Valve Low-Cost Load & Aero Leveling DRiV® Digital Valve	ACOCAR® Active Suspension System Smart Actuator for Passenger Car	Intelligent Suspension System with Vision CVSA Next Generation	Air Suspension Next Generation
	<i>In production or production ready</i>				<i>In development – production ready in 2016 - 2019</i>			