## **Oval Shock Tuning Guide by Pat Dotson**

CORNER PHASE	MORE UNDERSTEER			MORE OVERSTEER		
Phase 1 Entry	Left Front	Right Front		Left Front	Right Front	
Increasing Braking	Bump -	Bump +		Bump +	Bump -	
&	Left Rear	Right Rear		Left Rear	Right Rear	
Increasing Steering		Rebound - ***			Rebound + ***	
Phase 2 Entry	Left Front	Right Front		Left Front	Right Front	
Decreasing Braking	Rebound +			Rebound -		
&	Left Rear	Right Rear		Left Rear	Right Rear	
Increasing Steering		Bump -			Bump +	
Phase 3A Entry	Left Front	Right Front		Left Front	Right Front	
Prie-Apex Constant Throttle & Increasing Steering	Rebound +	Bump +		Rebound -	Bump -	
	Left Rear	Right Rear		Left Rear	Right Rear	
	Rebound -	Bump -		Rebound +	Bump +	
Phase 3B Exit	Left Front	Right Front		Left Front	Right Front	
Post-Apex Constant	Bump -	Rebound -		Bump +	Rebound +	
Throttle &	Left Rear	Right Rear		Left Rear	Right Rear	
Decreasing Steering	Bump +	Rebound + ***		Bump -	Rebound - ***	
Phase 4 Exit	Left Front	Right Front		Left Front	Right Front	
Increasing Throttle & Decreasing Steering		Rebound -			Rebound +	
	Left Rear	Right Rear		Left Rear	Right Rear	
	Bump +	Bump -		Bump -	Bump +	
Unbalanced Entry & Exit (LR Rebound)	Tight In & Loose Off (Increase)	Loose In & Tight Off (Decrease)	*** Changing Right Rear shock rebound settings will have opposite affects on entry and exit.			

## **Oval Spring Tuning Guide by Pat Dotson**

CORNER PHASE	MORE UNDERSTEER			MORE OVERSTEER	
Phase 1 Entry	Left Front	Right Front		Left Front	Right Front
Increasing Braking & Increasing Steering	Softer	Stiffer		Stiffer	Softer
	Left Rear	Right Rear		Left Rear	Right Rear
		Softer			Stiffer
Phase 2 Entry	Left Front	Right Front		Left Front	Right Front
Decreasing Braking & Increasing Steering		Stiffer	-		Softer
	Left Rear	Right Rear		Left Rear	Right Rear
	Stiffer	Softer		Softer	Stiffer
Dhace 2 Amor	Left Front	Dight Front		Left Front	Dight Front
Phase 3 Apex Constant Throttle		Right Front Stiffer		Leit Front	Right Front Softer
on a	Left Rear	Right Rear		Left Rear	Right Rear
Flat Track		Softer			Stiffer
		District Freed			Diskt Frend
Phase 3 Apex On a Banked Track	Left Front Softer	Right Front Stiffer		Left Front Stiffer	Right Front Softer
change both cross axis or jacking axis	Left Rear	Right Rear		Left Rear	Right Rear
springs.	Stiffer	Softer		Softer	Stiffer
					Diskt 5
Phase 4 Exit	Left Front	Right Front		Left Front	Right Front
Increasing Throttle					
& Decreasing Steering	Left Rear	Right Rear		Left Rear	Right Rear
	Stiffer	Softer		Softer	Stiffer

\*\*\* Change only one spring at a time and reset ride height before making any other setup changes.