

Suspension Tuning Guide

Suspension Tuning Guide		
Adjustment	Decrease Understeer	Decrease Oversteer
Front tire pressure	Higher	Lower
Rear tire pressure	Lower	Higher
Front tire section	Larger	Smaller
Rear tire section	Smaller	Larger
Front aspect ratio	Lower	Higher
Rear aspect ratio	Higher	Lower
Front tread depth	Reduce	Increase
Rear tread depth	Increase	Reduce
Front wheel width	Wider	Narrower
Rear wheel width	Narrower	Wider
Front wheel weight	Lighter	Heavier
Rear wheel weight	Heavier	Lighter
Front wheel camber	More negative	More positive
Rear wheel camber	More positive	More negative
Front wheel toe	Toward toe-out	Toward toe-in
Rear wheel toe	Toward toe-out	Toward toe-in
Front springs	Soften	Stiffen
Rear springs	Stiffen	Soften
Front shocks	Soften	Stiffen
Rear shocks	Stiffen	Soften
Front anti-sway bar	Soften/thinner	Stiffen/thicker
Rear anti-sway bar	Stiffen/thicker	Soften/thinner
Front bushings	Stiffen	Soften
Rear bushings	Soften	Stiffen
Front brake proportion	Reduce pressure	Increase pressure
Rear brake proportion	Increase pressure	Reduce pressure
Front spoiler	Increase downforce	Reduce downforce
Rear spoiler	Reduce downforce	Increase downforce
Front wheel caster	More positive	More negative
Weight distribution	Move rearward	Move forward

Sample Interpretations of Tire Temperatures				
Inside	Middle	Outside	Camber	Pressure
105	145	200	Too positive	Too low
165	195	185	Too positive	Too high
190	190	190	Appropriate	Appropriate
180	200	180	Appropriate	Too high
195	185	175	Too negative	Appropriate