

**LATE MODEL BIBLE**  
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**GENERAL**

**OVER STEER (LOOSE / FREE)**

Move rear weight forward  
Lower rear tire pressure  
More cross weight (wedge)  
Decrease wheel lock  
Lower rear shocks  
Raise front tire pressure  
More rear spoiler  
More front sway bar  
Less rear sway bar  
Decrease front stagger  
Decrease rear stagger

**UNDER STEER (PUSH / TIGHT)**

Move rear weight back  
Raise rear tire pressure  
Less cross weight (wedge)  
Increase wheel lock  
Raise rear shocks  
Lower front tire pressure  
Less rear spoiler  
Less front sway bar  
More rear sway bar  
Increase front stagger  
Increase rear stagger

**CORNER ENTRY**

**OVER STEER (LOOSE / FREE)**

Lower right rear tire pressure  
Raise right front tire pressure  
Soften right rear shock  
Stiffen right front shock  
Stiffen left rear shock  
Decrease rear spoiler  
Move rear weight backward  
More cross weight  
Decrease front camber  
Decrease front stagger  
Decrease rear stagger

**UNDER STEER (PUSH / TIGHT)**

Lower right front tire pressure  
Stiffen right rear shock  
Soften right front shock  
Soften left rear shock  
Increase spoiler  
Move rear weight forward  
Less cross weight  
Increase front camber  
Raise right rear tire pressure  
Increase front stagger  
Increase rear stagger

**MID-CORNER**

**OVER STEER (LOOSE / FREE)**

More cross weight  
Increase rear spoiler  
Move rear weight forward  
Raise right front tire pressure  
Lower left front tire pressure  
Lower right rear tire pressure  
Raise left rear tire pressure  
Stiffen right front shock  
Soften right rear shock  
More front sway bar  
Less rear sway bar

**UNDER STEER (PUSH / TIGHT)**

Less cross weight  
Decrease rear spoiler  
Move rear weight backward  
Lower right front tire pressure  
Raise left front tire pressure  
Raise right rear tire pressure  
Lower left rear tire pressure  
Soften right front shock  
Stiffen right rear shock  
Less front sway bar  
More rear sway bar  
Increase front stagger  
Increase rear stagger

## **CORNER EXIT**

### **OVER STEER (LOOSE / FREE)**

Raise left front tire pressure  
Lower right rear tire pressure  
Soften left rear shock  
Stiffen left front shock  
Stiffen right rear shock  
Decrease wheel lock  
Increase rear spoiler  
Move rear weight backward  
More cross weight  
Decrease front camber  
Decrease front stagger  
Decrease rear stagger

### **UNDER STEER (PUSH / TIGHT)**

More front sway bar  
Less rear sway bar  
Lower left front tire pressure  
Raise right rear tire pressure  
Soften left front shock  
Soften right rear shock  
Stiffen left rear shock  
Increase wheel lock  
Decrease rear spoiler  
Move rear weight forward  
Less cross weight  
Increase front camber  
Increase front stagger  
Increase rear stagger

## **LOW SPEED**

### **LOW SPEED IN GENERAL**

Taller final gear  
Decrease rear spoiler  
Raise all tire pressure

### **LOW SPEED (Straightaway)**

Taller high gear  
Lower rear spoiler  
Raise tire pressure  
Adjust tow

### **LOW SPEED IN CORNER**

Smaller gear  
Less front sway bar  
More rear sway bar  
Adjust rear weight  
Adjust front camber  
Lower right side tire pressure

## **TIRE TEMPERATURE AND WEAR**

### **LOW TIRE TEMPERATURES**

Stiffen shocks  
Lower tire pressure  
Adjust driving style  
Adjust camber (front)

### **HIGH TIRE TEMPERATURES**

Lower entry into corner  
Soften shocks  
Raise tire pressure  
Adjust camber (front)  
(depending on problem see TIRE WEAR)

### **TIRE WEAR**

Adjust camber (front)  
Adjust shocks softer  
Lower tire pressure (if tire is hot across center)  
Raise tire pressure (if tire is hot on outsides)  
Adjust driving (slower entry into corner)  
Lower wheel lock  
Smoother on gas and brake

### **POOR TIRE WEAR**

Soften shock  
Decrease wheel lock  
Adjust camber

### **WHEEL LOCK (driver preference)**

Road courses, short tracks-more  
Large ovals - less

## **STAGGER**

Stagger affects handling more when car is under acceleration

Tighter track turning radius more stagger required

Flatter track banking more stagger required

## **MILEAGE AND ACCELERATION**

### **POOR ACCELERATIONS**

adjust gearing - shorter gears

downshift

lower rear tire pressure

soften rear shocks

### **POOR FUEL MILEAGE**

taller 4<sup>th</sup> / final gear

minimize shifting

raise tire pressure

lower rear spoiler

### **ERRATIC BRAKING**

lower tire pressure

adjust driving style

soften front shocks

(Car Jumps all over during braking)

soften front shocks

### **LEFT WEIGHT BIAS**

ovals - more

road courses - even or slightly biased to the side with the most corners

### **HIGH ENGINE TEMPERATURE QUALIFYING**

taller 4th gear

less front tape

don't downshift

shift sooner

higher tire pressure all around

stiff shocks all around

short 4th gear