

SamSonPerformance

Drag Racing Launch Tuning

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1. What vendor and part number shock and springs are you running **front and rear**?
 - a. What is your installed height from bolt to bolt (eyelet to eyelet)
 - b. How much is your spring compressed and what is the spring's free length?
 - c. What are your current Compression and Rebound settings on your shocks? *Please indicate from full tight or from zero.*
 - d. If Single Adjustable, How many clicks from zero are you?
2. Are you running 4 Link or Ladder bars or leaf springs?
 - a. For ladder bars:
 - i. What are the distances to the ground for the top bar bolt centerline and the bottom bar bolt centerline on the rear end?
 - ii. How many chassis mounting hole options do you have?
 - iii. What is the vertical centerline distance between each chassis mount hole?
 - iv. Which hole is being used currently?
 - v. What is the distance from the rear end bottom hole centerline to the bottom hole centerline on the chassis mount?
 - b. For 4 link bars:
 - i. Chassis Brackets Upper and Lower bars
 1. How many holes for top and lower bars?
 2. What is the vertical centerline distance between each hole up and down?
 3. For the top bar, what is the amount of horizontal spread between each hole? Usually as you go from the top to bottom on the upper, the holes get closer to the rear end. How far is each hole offset from the hole above it?
 - ii. Rear End brackets
 1. How many holes for top and lower bars?
 2. What is the vertical centerline distance between each hole?
 3. If any holes are offset horizontally, like the top holes, what is the offset?
 4. What is the distance forward or rear of the axle centerline for the mounting holes?
 - iii. What is the distance (length) of the lower bar from the rear end bolt centerline to the chassis bolt centerline in the current location or from the rear end bottom hole centerline to the chassis lower bolt hole centerline?
 - c. Do you have any preload in the rear?
 - d. Does the car go straight?
 - e. What is the rear gear ratio?

3. Are you running slicks or radials?
 - a. What air pressure are you running?
 - b. What size tire are you running?
 - c. Are you running tubes?
4. Do you have wheelie bars?
 - a. If so, do they touch the ground on the launch?
 - b. If so, what is the height of the wheelie bars from the track with the car ready to run?
5. What are your corner weights?
 - a. If no corner weights, what is the car total weight?
6. Are you running an Anti Roll Bar in the rear?
7. Are you foot braking or using a transbrake?
 - a. If transbrake or manual, what is your launch RPM?
 - b. If auto, what stall converter do you have?
 - c. What transmission ratio do you have in 1st gear?
8. How much front end travel do you have?
 - a. Have you limited the frontend travel with chains/cables/other methods?
9. How much power are you putting down?
 - a. MPH is helpful to help with these estimates
<http://www.wallaceracing.com/et-correction-eighth.php>
10. What are your current 60 foot times?
11. Are you mainly racing on prepped surfaces or unprepped surfaces?
12. Video from the side with rear tire in focus on the hit - Please get video of your car

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