



“I Had A Dream”

The blood in my body flows BUICK. I first realized that when I fell in love with my uncle's 1967 BUICK GS400. It must have been that STAR WARS air cleaner that set my 8-year-old heart a-pumping. From that point on I always followed BUICK. If a HOT ROD or CAR CRAFT magazine had a Buick featured, odds were, and as a matter of fact still is, that I buy it. This brings me to the very heart of my story, my dream.

When I was younger I dreamt about finding a GSX. I always had this dream that I would be driving down south passing cornfields only to glimpse a yellow or white car nose buried in some hay. I love the GSX and I believe it is the best car BUICK ever built. My dream was to one day own a GSX. Years had passed and that dream kind of faded away when I bought my house in 1994.

On January 17, 1994, California was hit with a catastrophic earthquake that affected many people's lives.

During that time, I was a State Farm Adjuster on the National Catastrophe Team and was sent to California in February. For some odd reason, in April I bought a Hemmings Book and skimmed the BUICK section. The only car that caught my eye was a 1972 GSX clone for \$10,000.00. It sounded good, but for that money it should almost be real with matching numbers. I threw the book in the corner and focused on the reason I was there - "the rebuilding of peoples lives".

A couple months passed, and in August I had the itch to buy the local auto trader. To my surprise, a 1972 GSX clone was advertised for \$8,500, but this time there was a picture. It turned out that it was the same car I found in the Hemmings Book back in April. The black and white picture caught my eye and I felt the need to see this clone.

continued on page 3

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I called the owner and set the appointment to look at the car. I then called home and spoke to my girlfriend, Theresa. The problem was that I had saved up money for her engagement ring, and she knew it. Before I even saw the car I told her that I had a feeling about this car that I couldn't explain. She was very supportive and said to call her back after I looked at the car.

A few days later, I went to look at the car and immediately fell in love. The test drive was the icing on the cake and I knew this one yellow car had to be mine. I took some Polaroids and told the guy that I had to speak to my girlfriend, and that I would call him back in a few days. I sent the photos next day air and told my girlfriend to call me as soon as she had a chance to look at them. She called me back and told me she liked the car. I knew that the next statement I was to tell her could really have a major impact on our relationship, but I had to tell her. I told her that the only money I had saved was for her engagement ring, and the only way to get this car was to use that money. She said she loved me and wanted me to be happy, and that I had to make the choice



It was a very difficult decision, but after awhile I realized that this was a once in a lifetime deal and if I didn't take it I would lose out. I bought the car and at the same time let my girlfriend know that I would make it up to her with even a nicer ring.

So here I am, realizing my dreams. I have a beautiful supportive wife, a nice home, a good job, family, friends, and my GSX clone. It may not be the real deal, but the first place trophies help me realize that it is still a great car. (That is, me and my wife!) This story was written to let everyone know that dreams do sometimes become a reality. We only go through life once, so enjoy it by trying to realize your dreams.

Specs:

- 1972 Buick Skylark (GSX Clone)
- 455 Stage 1
- 10.5 to 1 Compression
- New TA Cam
- TA Intake
- 850 Holley DP
- Hooker Headers
- 3:73 Posi 12 Bolt
- Turbo 400
- 3 inch TA Exhaust
- 4 Wheel Disc Brakes
- H0 Strong Arm Suspension

Projected ET we'll see this spring. I'm shooting for mid to low 12's.

- Emanuele Lucente

Chicagoland Director's Garage

- Loyd Bonecutter

Feel a lot less like a mushroom with the days growing longer and somewhat warmer. Was a terrific winter overall with the drive in Thursday for the World of Wheels being the only foul day. Our winter events have been well attended, showing that our membership is ready for another great year.

Exciting news in the last month is the return of our Fourth of July car show at Wilton Industries in Woodridge. Frank and the Woodridge Police are up for it again. This is one of our better-attended events that we all enjoy. We may be asking some of our members to help call some vendors for goodie bag items, if you have any leads let us know.

The web site was overhauled over the long New Year's weekend. I borrowed a concept from the Western New York Buick site using an actual calendar to highlight events. Visitors may click the text on the date for more information. Many dates link to the flier that already came or will come with The Fast Times. So far this has been proven easy to administer except for a problem with so many folks wanting their cruise nights highlighted. We are only showing BOP or Buick specific nights. Most of the popular cruise night dates are linked to cruise-spot lists for that night of the week.

Paul Vilser has outdone all of the past designs for the 2002 event plates. Letters will be sent to all last years plate holders on record. Please return your reservation

promptly to hold your plate number. The pricing will again reflect how you wish to receive your plate.

Our meeting at Hubcaps was on a great clear winter day. Dan Squires filled us in on our evasive carburetors, including the French definition of the word - "do not touch". Valerie provided some great lunches that many of our members enjoyed. The food was a little slow since we had more members turn up than she had anticipated. I need to thank Paul Brelie for arranging the place for our meeting. We may be meeting there more often. Dan may be contacted at (630) 551-0595 or dan.squires@mcd.com. He has lost track of the data for a 1971 GS owner who has contacted him. Please contact him as he has found the solution to your problem.

Our February meeting at Casper's Electronics was full of surprises. We had a number of folks from downstate as well as way up north. Great seeing the members out in force. As you know this meeting featured John Spina and Jimmy Hussion. Not only are these gentlemen the best at what they do, but our members asked excellent questions making this a great session for all. Between John's growing business and great attendance it was a little crowded in there. This really shows the power of the web to help bring our members together.

The March meeting should be another banner one. I am looking forward to the chili cook-off. Ironically there is a motion in the General Assembly of Illinois to make chili the food of Illinois. The meeting will feature Paul Ferry with HRpartsNstuff, and Mike Phillips with Automotive Machine & Performance. These gentlemen should be able to share a wealth of knowledge. Pete Barton is letting us use his excellent shop again. It is one of the few places that we could eat the chili off the floor, if need be.

We are into a New Year and most of our volunteers are keeping their old jobs with one notable exception. Kurt Hoover who has been treasurer since the beginning of time wanted to retire from chasing all those receipts down. He has done a most excellent job for us. Please be sure to thank him the next time you see him. Steve Jones, co-owner of Pride and Joy - a pair of excellent Grand Nationals - has assumed treasurer duties. He brings very good credentials, having kept the books for his local Police Relief organization, and was the bookkeeper for the Admiral of the Sixth Fleet. The Navy gave Steve a Letter of Commendation for his efforts. Welcome aboard (no pun intended) Steve. As you know Steve and Debbie are serious car buffs who converted over to the dark side quite handily.

Well I am again behind at getting this to Don so it is time to sign off. Hope to see you at a event soon.

Membership News

- Shari Bonecutter

Greetings from beautiful Brookfield, home of the zoo and a few Buicks! (not to mention a few Buick nuts.) So with the weather being the way it's been this winter have you made great progress on your car projects? I know that it's just starting to pick up around here. I'm writing this on Valentine's Day, and the Nats are exactly 3 months from today! Yippee!

So what have we been up to? The Christmas party was another success. We had about 75 people show up, to share in the buffet style dinner and buy raffle tickets. Steve Pitts won the neon sign, which will be a turbo sign. We had lots of other prizes, too, so I think the winners were happy. We also sang a rousing rendition of the "12 Days of Christmas" Buick-Style - hopefully this will be a tradition that we'll keep up. I'd like to thank Mary, Barb, Carrie and Emily for their help in selling tickets and handing out prizes.

January was a great tech session with Dan Squires, the carb guy, at Hubcaps in Schiller Park. There were a lot of members at this meeting. The Packers game was that day, too, so it was nice to have a place to watch the game, eat and drink. Valerie and her assistant were kept hopping, but did a great job. We're hoping to have a cruise there again this year, and that more people will show up this time.

We had a small display at the World of Wheels. Chris Gatch worked his you-know-what off to get this organized, and we had a fine showing of Turbo Regals. I want to give Chris a great big thanks for his hard work, and thank you's to the participants - Juan Rodriguez, Wayne & Marilyn Bachar, Brad Crowe and Don and Ruth Hens. They put up with some crappy conditions to get their cars in, but they did win trophies, so I hope that it was worth it. Thanks, too, to all that stopped by and said hi. You helped the time pass pleasantly.

February was the meeting/tech session at Casper's in Mundelein, along with Jimmy from Jimmy's Transmission having a great question and answer session. Something for everyone - V8's and V6's! John Spina was very generous to us, in opening his shop up to us, and Jimmy brought a mess of Krispy Kremes. There must have been 70+ of you all there - I know that most of the food disappeared! Mary and Marilyn brought food, and Mary, Barb and Marilyn helped set up and serve it. Terry Whalen had her first experience as the sales person for club stuff, and also did a great job! We had

members show up from Rockford, Peoria, and DeKalb, IL; and also Kenosha, Brown Deer and Hartford, WI. We had lots of others, too – I just wanted to mention the farthest rides. I get the feeling that people are anxious for Buick fixes.

Member News – I'd like to extend get well wishes to our member-for-life, Johnny Gribble. We're rooting for you, Johnny! Congratulations are extended to Fred Butalla II and his intended-bride, Lara. They got engaged in December, and will tie the knot this year. I'd like to welcome the following back to our club: Todd Thorson, Elmhurst, IL; Emanuele Lucente, Carol Stream, IL; Mike Galichio, Hoffman Estates, IL; Javier Ontiveros, Chicago, IL; and Mike Walsh Jr., Prospect Heights, IL. I'd also like to welcome the following new members: Christopher DeMik, New Lenox, IL; Bryan Campbell, South Elgin, IL; Randy Green, Jr., Chicago, IL; Jan & Pat Garwig, Falls Church, VA; Rod Hendricksen, Sugar Grove, IL; Javier Irigoyen, Calumet City, IL; Surej Veleparambil, Flossmore, IL; Tim Goheen, Streamwood, IL; Mike Finch, Lake in the Hills, IL; and Prasad Elamana, West Chicago, IL. I hope that you'll enjoy our club as much as we do.

Upcoming Events - We've got a lot of stuff going on. March will be our meeting at ANS in Melrose Park, with Paul Ferry from HR PartsStuff and Mike Phillips from AMP Performance Engineering. This will also be our Chilli Cook-Off, so fire up those crock pots!

THE MEETING IN APRIL IS MOVED TO SATURDAY, April 6! Yes, Saturday. This will be a Dyno Day in Joliet, like we had last year. Please see flier elsewhere in this newsletter. I know I had a blast at the ones we had last year.

The Samantha Rix Race is Sunday, April 28th, at Byron, IL. We will follow our usual format, nothing new. I would like to mention, though, that the actual eliminations usually start around noon or shortly thereafter. So if you want to test and tune, please get there early. It's not fair to make others wait while you try to catch up. The track opens at 8:30-ish, and if you get there early you can usually make at least 2 passes.

May is the Nats, and I have the following information about the hotel rooms. The GSCA has chosen our hotel, the University Plaza, as their Host Hotel this year. Because of this, I could not get a block of rooms of our own. However, you can get one of their rooms at their rate, while they are available. Please call 270-783-8569 and mention the GS Nationals. I also have a block of rooms from the Courtyard, which is across the way from the University Plaza. Please call 270-783-8569 and mention the Chicagoland GSCA. We only have these rooms reserved until March 10th, so call ASAP!

We're hoping that the club tent will again be against the fence around the oval track, so please stop by and say hi! We won't be there all day, though – we limit the hours from 10:00 am to 2:00 pm. (we have to watch some racing, too!) We're also helping with the judging for the car show this year, and can use volunteers. Please see the Jones' article elsewhere in this newsletter. Please contact them and say that you'll help!

We've been playing around with the idea of a combination junkyard tour and barbeque in June, probably June 8th, out near LaSalle/Peru, IL. There will be more definitive information in the next newsletter. We also might go racing up at Kaukauna, WI. Stay tuned!

Chris has been working hard to put together some cruises, and some car shows for this year, and doing his usual good job. You'll have to check out his article for the information.

That's probably enough prattle for now. I hope that we'll see more participation from all you folks. I think we have a fun, interesting bunch of people, and I'd like to see you all share in it. Suggestions are always welcome – just drop us an email or a call. Thank you all for your support. Have a great Spring!

Hotel Rooms for the 2002 Nats May 14-18, 2002

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It's Time To Renew!

Please look at your label on the back of the newsletter. If it has a date of 1/1/02 showing on it, you need to renew your membership now. This will be your last newsletter! If it shows 1/1/03, that means that you're paid up for the year, and can totally disregard this little reminder.

Thanks to all that have already renewed. Your dues make this newsletter happen for everyone.

Cruise News

- *Chris Gatch*

Hello everyone!

I can't believe that winter is almost over. I hope everyone had a great Holiday season. The holidays are always hectic for me and it just seemed like the past few months came and went by like a flash. Spring will soon be here and it will be time for our annual Samantha Rix race at Byron. Once that happens we all know that spring has sprung and the time for our Buick's are here again! This winter was very mild and I am always thankful of 60 degree days in January. The weather was so nice that a few of our members set up an "El Nino" winter cruise. All I know is that time is flying by and spring will be here before we all know it so let's get ready for a great cruise season!

First I would like to thank everyone that participated in this year's World of Wheels. Participation is a big thing and we didn't have a lot of it but for the ones who did, they made all the difference in the world! We had five beautiful cars to show off in our club display, unfortunately we had no GS's but the wide variance of turbo cars made up the difference! Don, Marilyn, Brad, Juan and myself braved the elements and the exceptional long waiting period that there was to check in but after all the hassles I think that everything turned out better than expected! I would like to also say sorry that I wasn't more sociable to many of the club members that stopped by to say hi but I was really under the weather for most of the weekend. Don, Marilyn, Wayne, Brad, Mary, Juan, Mark and my wife Anna graciously made up the difference as they talked to many in the club as well as all the spectators that ohh'ed and awed over our display! Big Thanks also goes out to Loyd and Shari for being the backbone and keeping this club together and for all the work they do behind the scenes. Also thanks to Mary Ferrari and her sister for helping take some of the display stuff home because everyone else there had their cars stuffed to the max! I would also like to say that everyone that participated in this year's display went home a winner! Everyone finished in the top three spots in their categories! That is really great because we all put a lot of work into our cars that weekend as well as our display! We really promoted the club as well as our cars. This is always a fun but long weekend. And once again thanks for everyone that came out! Next year is still up in the air as far as a club display goes. I will keep

everyone updated as far as that goes in the months to come. Once again thanks and congratulations!

As the start of the summer cruise/show schedule is right around the corner I would like to tell you about just a few of the shows that we are going to try and attend as a club this summer. To start the year out even though its not a show or cruise is the 11th annual B.O.P. Swap Meet at the DuPage County Fairgrounds in Wheaton. This swap will be held on Sunday March 24th. This is always a good place to go and get all those little things to get your car ready for spring. The first show is the annual Spring Dust-Off at Bauer Buick in South Holland. This show will be Saturday May 4th and is hosted by the Chicagoland Chapter of the BCA who always invite all of our club members to all of their events. This is an all Buick show and is a great time for all. There are two more shows in which some members will be at this summer. The UPS show will be held Sunday June 9th at the UPS facility in Hodgkins, and the 1st annual Thunder Bowl cruise which will be held Sunday July 21st from 11-3pm in Mokena. Paul, who is the owner of Thunder Bowl and hosting this cruise, said that everyone with a show car would receive a ticket for a free BBQ lunch. Paul is really looking forward to making this an annual event so the more cars the better it will be. This cruise will be open to all cars and not only Buick's so if you know anyone else with a muscle or classic car let them know to come on out! For anyone that attended the Fall Cruise at Superbowl in Melrose Park you know that this is a great place for a cruise. Gary who owns Superbowl wants to have his 1st annual car show this summer and as we speak we are working out details to when this show will take place so stay tuned for further info it should be great! I will be having more shows and cruises listed soon so check the web site for further information.

One of our biggest events of the year is always the GS Nationals. By now everyone knows that the Nat's have been changed to May 14th - 18th. I am asking everyone that can make it to this year's event to help out and participate in judging the car show on Friday. Last year everyone had a great time and the car show turned out a rather successful with the new point judging system rather than the old way of peer judging. This would probably take only an hour or so of your time and would help make the judging process go faster and smoother with more people helping out. This is a really good experience and what better way to see all of the cars than from underneath them?

There is some good news to report in the car show world ...Gorilla Days will be on this year! As reported in the last newsletter the show had been cancelled but is back on again at least for this year. This show will once again be a free show and will be held on Thursday July 4th at the Wilton Industries parking lot in Woodridge. This is probably the biggest collection of Buick's that you will see at a show in Illinois. The show usually is noon to 3pm with the gates opening at 10. Please check the Website for further details since a lot of the information is sketchy right now but the show is definitely on! This is a great show so if you can make it out please try because it might be the last one! Don't let it pass you by!

Finally I would like to once again ask for any information on cruise locations or car shows that people know about and would like us to attend as a group this year. I have already started working on setting up this year's cruise and show schedule but the more info the better. I think that I am going to make this year's schedule a little smaller but make more of the events we have more memorable! I would really like feedback on the schedule from last year. Were there too many or too little shows/cruises, the locations, the times, etc? Anything would really help me out in deciding these things for this season. The year is going by super fast and before you know it spring will be here! If anyone knows of any events in their area that they would like us to add to the schedule please let me know. The earlier the better because it's really hard to get the word out and organize something a week or two before an event is going to happen. So remember any information is helpful and the earlier you can get it to me the better.

I would like to wish everyone a prosperous and safe upcoming year. The season is almost here so get those cars running, shine them up and prepare to bring em out this year for what promises to be one of the best! Hope to see everyone "cruzin'" this year and remember to Keep Going Fast With Class!

We're Looking for a Few Good..... JUDGES

Do you like Buicks? Do you like car shows? Will you be at the GSCA NATIONALS? If so, the Chicagoland Chapter, Buick GSCA, is looking for volunteers.

Last year, for the first time, the Buick GS Nationals Car Show was a judged event. Due to the positive response from the car show participants and judges, this

years event will also be judged. The Chicagoland Chapter has been given the responsibility of gathering volunteers from all chapters of the GSCA to assist with judging of the show cars. No experience is necessary! This DOES NOT include show cars entered in GS Concours/Restored and GN/T-Type Concours/Restored Class.

This is what you can expect:

- Work with a Judging Team
- Use a simple, one page judging form
- Select either GS or GN Class
- Learn from others while having fun
- Get a neat thank-you gift

The car show is Friday, May 17th. Judges would only be needed for a few morning hours.

To sign up or for more information, contact: Steve Jones at jonesddj@aol.com or call (815) 636-9215

Tech Tips

- Chris Gatch

Here are a couple of things that I thought some of the members in the club might find helpful.

The first is a device called LOK-ITT. I have had quite a few members in the club ask me about mine so here it is. This is a security device that protects the column of our Turbo Regals. This device helps stop Vehicle Theft, steering column damage, and costly repairs. Not only does this device protect the entire column, it protects the ignition cylinder and the bar that protrudes from it acts as a steering wheel lock. I have these on my cars and they really work great. I know that most of us have alarms on our cars but this is something that just protects our cars even more. The unit comes in two colors that I know of, red & black and is kind of pricey at around \$90 but is an investment that I think is worth it. There are two places that I know of to get these collars. The first is Murray's and the second is this place on line called J.Scotts Audio <http://my.erinet.com/~tase/>



The next thing that I came across is something on the Internet that I thought was interesting. This is a company that makes GNX style reproduction dashboards. They have the stock-appearing 4-gauge cluster and a new 6 gauge cluster. The units look rather nice and would add a lot to your car if you were looking to upgrade your dash clusters. The units come with everything you need to install them into your car. The units are rather pricey but considering they are not really out there anymore, I guess if you want to upgrade then this is the way to go. The company's name is performance instruments and their website address is <http://www.performanceinstruments.com/instrum2.htm>

I do not endorse either of these places nor do I recommend buying either of these products from these places. I am just relaying information that I think may be helpful to you the fellow club member. I do have the LOK-ITT system and I really do like it. If anyone has any further questions about it I would be more than happy to answer them. Thanks again and happy motoring!

CCGSCA Cruise/Car Show Schedule 2002

Buick, Olds, Pontiac Swap Meet - Sunday, March 24th, 8:00 a.m. DuPage County Fairgrounds, 2015 W. Manchester RD., Wheaton, IL

Bauer Buick - Free show hosted by the BCA. Saturday May 4th, 8am to 3pm, 555 East 162nd Street, South Holland, IL 60473

Buick GS Nationals - May 14th thru May 18th, Bowling Green, KY. A lot of us will be at the: University Plaza Hotel. 1021 Wilkinson Trace (270) 745-0088 Also look for the Chapter Tent.

Mickey's Cruise Night - Friday May 31st, 6pm til? 70th & Harlem, Bridgeview, IL

2nd Annual UPS Car Show - Sunday June 9th, 8a.m to 3pm. One UPS Way, Hodgkins, IL 60425, \$15 registration fee

BOP Cruise Night Downtown Elmhurst - Wednesday June 12th, 7 to 9pm. Bank Parking Lot 105 S. York Road, Just South of the Tracks

Boone's County Fathers Day Car Show - Sunday June 16th, 8am to? Boone County Fairgrounds. 8791 Il Route 76, Belvedere, IL 61008. Registration fee required.

Woody Buick - Free show hosted by the BCA. Saturday June 22nd, 8am to 3pm. 125 West Grand Avenue, Bensonville, IL 60106

WOODRIDGE GORILLA DAYS - Thursday, July 4, 10am to 4pm. Wilton Industries, I-355 & 75th Street, Woodridge, IL

BCA Nationals - Thursday July 11th thru 14th. Kokomo, IN.

1st Annual Thunder Bowl Cruise - Sunday July 21st, 11-3pm. 18700 Old LaGrange Road, Mokena, IL 60448. Free Lunch for all car show participants!

Loren Buick - Free show hosted by the BCA. Saturday August 10th, 8am to 3pm. 1620 Waukegan Road, Glenview, IL 60025

BCA Regionals - Thursday August 15th thru 17th. Rockford, IL, Best Western Clock Tower Resort, I-90 & Hwy 20.

Mickey's Cruise Night - Saturday August 31st, 6pm til? 70th & Harlem, Bridgeview, IL

Midwest Challenge Car Show - Saturday September 14th, 9am-2pm. US 41 Dragaway Morocco, IN. \$5.00 plus gate entry

Knauz Buick - Free show hosted by the BCA. Saturday October 12th. More info to follow

1st Annual Super Bowl Car Show - 1370 West North Avenue, Melrose Park, IL 60160. Winston Park Shopping Plaza. Dates & Time to Follow!

More cruises will be added. We will try and make all the Buick GS/GN Rally events. Check the website for more details.

*Board members may not always be at all events listed. We try and make every event we have listed but things do arise. I know that everyone has busy schedules but please come out and support as many of these events as possible. Hope to see you out there Cruizin!

Heard From the Pits

- Tech Advisor "Smith" Aka Roger Van-Scoyk

As I write this article, I see spring slowly approaching. That first day of racing is soon to arrive. Those cruise nights will start again and your favorite Race-Track will be opening.

Speaking of RaceTracks, That IHRA track known as Union Grove in Wisconsin, has repaved it's ¼ mile and will be opening with a fresh and new racing surface.

Other upgrades are in store also, New Bathrooms for all???

Additionally another road trip to Norwalk, Ohio has been suggested. This is hard to plan as we do not wish to go there during one of our own race dates? I personally like the idea of experiencing a new Racetrack for the first time. Possibly this will become a reality by summer if enough interested parties commit to going!!! Let's Roll!

All right quit Fueling around! No that word was not misspelled, I did say Fueling. This article will discuss the art of fuel delivery for that car you like to race at your favorite track.

OCTANE NUMBERS

Many people are constantly plagued by the Octane game. My experience has proved to me that there is hidden horsepower in the Octane of fuel that is available. Tom Rix has told us that he has seen a 30 hp gain on the Dyno by using a 112 & higher Octane fuel in his Race engine.

Can you say Compression Ratio?

Now Compression Ratio is the magic term that dictates which fuel an engine should use. Turbo boost increases the effective Compression Ratio. Also all brands of Racing Fuels are not the same when it comes to Octane ratings.

Octane is a term which is generally associated with the ability of the fuel to resist that nasty "D" word known as Detonation. It is best described as an Uncontrolled Rapid Burning of the fuel in the engine's cylinder. The flame travel in the cylinder Exceeds 5000 feet per second! The result is an extreme shock wave which is transmitted into the Engine block, Cylinder walls, Pistons, Connecting Rods, & Crankshaft creating the "KNOCK" noise.

A street car engine with a closed Exhaust system will make this noise when a low grade of fuel is used or if there is too much ignition timing. High boost in a Turbo car as set by Computer chip or manually adjusted in at the waste gate will also create Detonation. Race engines will usually not let you hear Detonation signs as they occur. Richer mixtures can help to prevent this problem. Adding Nitrous to an engine in this condition is dangerous. ThermoNuclear melt down can happen in the blink on an eye. Been there, done that. Nitrous systems typically require their own Fuel pump. Nitrous also does not like Engine oil getting up past the rings and on to the top of the piston. Detonation happens!

FUEL DELIVERY

Your car's Fuel system may not be adequate in providing the fuel to the Engine's Carburetor or Fuel Injectors. The formula for fuel gallons per hour = $\frac{1}{2}$ LB of fuel for each hp your engine develops. Hence a 400 hp engine requires 200 lbs. per hour fuel flow. 200 divided by a fuel weighing say, 6.2 lbs./gal, the fuel pump must deliver 32.26 GPH – Gallons per Hour. This is a static number for an engine on a Dyno or in a car on a Chassis Dyno only.

G - FORCE

The G - force placed upon Fuel only complicates the right amount of Fuel getting to the Engine on time preventing lean mixtures. When you factor in:

1. The Fuel line size
2. The Carb or Injector size
3. The Horsepower
4. The ET & MPH
5. The G-Force the fuel fights
6. Fuel line restrictions
7. Fuel Filter flow capacity
8. Fuel pump location

the Fuel pump your car has may not be capable of delivering enough Fuel to the engine. Some cars only make it to the 100 foot mark before their engine has consumed most of the fuel in the float bowls of the Carburetor or perhaps the Fuel rail of that Turbo V6. Then, they stumble, hesitate, cough, spit, backfire, or fart causing the car to fall flat on it's face. When the Fuel pump catches up, the car takes off again. Or at the 1000 foot mark the car noses over and just quits pulling before you get thru the timing traps on the big end. A restricted Fuel filter will give you this type of symptoms. If you expect that 110 GPH Mallory Fuel or Holley Blue pump you are using to supply enough Fuel to fill that stock 5/16" fuel line on your 500 hp GS, think again. Barry Grant says you need a 220 or 240 GPH pump & larger Fuel line.

FUEL FLOW IN GPH

When checking Your Fuel flow you must disconnect the line which connects to the Carb or Fuel rail, place it in a 5 gallon Fuel Jug and time how long it takes that Electric fuel pump to push 1 Gallon of the fuel up to the engine. **Do this with the engine off - please!**

Everyone should realize that racing Fuel is very VOLATILE - it burns fast, so please be sure to perform this check in a well ventilated area. Outside if possible for reasons of safety. Regular 93 Octane pump gas can be just as dangerous. Smokers leave the area!

Hot Rod Magazine published an article in their August 1997 issue which listed the following:

12 sec = 1 gal / 35 sec = 103 GPH

11 sec = 1 gal / 30 sec = 120 GPH

10 sec = 1 gal / 25 sec = 144 GPH

9 sec = 1 gal / 20 sec = 180 GPH

In talking to Barry Grant & using only their components, they will tell you that a larger pump than listed in the above chart is required. The above figures possibly represent an engine's Fuel needs on a Dyno sitting static in a building. In the real world these figures don't fly.

I use a 300 GPH Paxton Fuel pump on my Big Block GN. It only delivers 204 GPH of fuel thru a 5/8" Braided Stainless steel line to my 600 hp 462 Engine. That is 3.4 gallons per minute!

Word of warning – I do not recommend Mallory fuel pressure regulators for the GS 455 people based upon my experiences. They are super sensitive to under the hood heat & Vibration. I witnessed excessive fuel pressure fluctuations which had us pulling our hair out until I replaced it with a Barry Grant Regulator, end of that problem.

Because my Paxton 300 is a close tolerance pump, I filter the fuel before allowing it to enter the pump. Dual 1/2" lines feed my Barry Grant filter from my fuel cell. The Filter can easily flow 1000 GPH (good enough according to Barry Grant techs, for a 2000 hp Pro-Stock), far beyond what my Fuel pump can draw.

FILTER LOCATION?

It is my distinct belief that fuel should be filtered before going to the Fuel pump. Barry Grant tech people have said to place the Fuel filter a Maximum of 2 ft before the pump.

Fuel pressure will also play a key roll on the GPH flow of fuel that is delivered to your engine. Do not over look the possibility that your Fuel filter is restricting the flow of Fuel delivery to your Engine's Fuel System. That Big Fram filter most guys use to filter their fuel may not be able to flow enough Gallons Per Hour.

FUEL LINE SIZE?

That stock 1/4" or 5/16" Fuel line will not be large enough to flow sufficient GPH supporting 400 hp and larger engine. Just remember that a bigger 3/8" or 1/2" Fuel line will require a larger Fuel pump to perform this duty.

In closing I recommend that you contact a reputable Fuel pump aftermarket supplier and pick the brains of their Technical staff.

Also, before you spend any of your hard earned money on Fuel system components, research what works for other racers and their application. Then decide if their type of

system will work for your Engine's fuel requirements.
Respectfully Yours,

Tech Advisor "Smith", Aka Roger Van-Scoyk

Classified's

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• FOR SALE: 1985 Buick 3.8L Grand National. Less than 60,000 miles, original paint, stored in winter, new tires, (Michelin XGT V4), 86-87 front spoiler, tinted parking light covers, and tinted taillight covers. Sony Explode cd player w/ custom 6-speaker sound, ac cruise, tilt, power door locks. High performance modifications: 145 mph speedometer, pillar gauge (2 1/16" VDO 30 lb. boost gauge), twin console gauge (2 1/16" VDO oil pressure gauge, 2 1/16" water temp. gauge), cowl test-tune fuel gauge, 231 cubic in. ATK high performance engine block, Poston high performance 93 octane computer chip, adjustable waste gate actuator, adjustable fuel pressure regulator, fuel pump wiring upgrade, K&N 9" cone air filter, K&N breather oil fill tube w/block off cap, Poston ram air kit, turbo custom-cut 8mm high performance mag plug wires, 86-87 coil ignition, 86-87 coil pack, front frame braces, front connecting brace, rear brace kit, custom stainless steel turbo inlet pipe, custom 2 1/2" down pipe, custom 2 1/2" dual "cat-back" exhaust w/ 2 dual chambered Flowmaster mufflers, booster/master cylinder conversion kit. For more information and photos call Jeremy Race (708) 870-1011 anytime or email at turbojitsu110@ameritech.net

• FOR SALE: 1987 Turbo T WE4. Excellent paint, mint interior, 73,400 miles. Upgrades include: KB ram air and Hi-Lo fan kit, auxiliary fuel pump, line lock, ESP coil pack, 10mm wires, Green Stripe injectors, GNX intercooler, Turbonetics adjustable wastegate, 160 thermostat, plenum spacer, Garrett stage two turbo, knock detector, trans cooler, Applied Technology headers, 2.5" Hooker exhaust and mufflers, Rancho sway bars, urethane bushings, Lakewood shocks, Hotchkis boxed rear control arms, rear springs, rear air bag, 16" GNX wheels, pinion snubber, driveshaft loop, etc. All original parts included and working. Have all literature, window sticker, receipts, etc. \$12,700 O.B.O. Call - Greg Parsons 815-398-3475 Rockford, IL.

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