

THE Z - CLUB OF SAN DIEGO NEWSLETTER



DECEMBER 1991

Dear Fellow Z Owners,

The holiday season is here and even with our busy schedules, we have managed to plan a Christmas Party for our monthly event. This will be a good time to meet our many new members so I hope all of you will join us.

At our last meeting, we decided the Club T-shirt should be white with a blue logo. We expect to have some made soon but first the logo must be modified to reflect our new official name.

We also discussed a desire to recruit more sponsors. If anyone knows of someone who wants to be a sponsor or has ideas on who we can solicit for sponsorship, please contact me so arrangements can be made.

I apologize for not getting a newsletter out last month. Our editor has recently had too heavy a work load to put it together. I have recruited a new editor so hopefully it won't happen again.

I would like to see the ZCSD monthly meeting act as an avenue with which to pass on helpful information about your Z cars, or any area of common interest. Please contact me with ideas so that we can solicit guest speakers.

Because of the high cost of postage, we can no longer mail out the newsletter to everyone who responded to the original solicitation letter. If you would like to continue receiving the newsletter and information on specials and promotions, we can offer you two options:

1) **Join the Z-Club!**

Pay your dues and receive all the benefits INCLUDING discounts with SPONSORS and events that have participation fees.

2) **Become a Associate Member**

Receive newsletters and promotion information, and be able to participate in club functions, but not receive discounts from sponsors or for events.

The cutoff date for this new policy is December 31, 1991. Please respond soon if you would like to continue to receive information.

As the president of the club, I am responsible for implementing those activities which the club members take part in suggesting, so keep those great ideas coming in!

Sincerely,

Gary Anderberg
Gary Anderberg

*Merry
Christmas*

TECH CORNER

By Rick Ball

Everything you always wanted to know about electronic fuel injectors but were afraid to ask . . .

In this article I am going to try to explain how electronic fuel injection works. The main feature that makes fuel injection more efficient than a carburetor is the fine spray pattern. The fuel is forced through a small orifice under high pressure (about 30-40 psi) to achieve a nice fan spray pattern. Its something like a can of spray paint. The device that sprays the fuel is the fuel injector.

The fuel injector has an electromagnet inside that opens and closes to control the fuel spray. When your car is at idle, the fuel injectors stay open for a short time (approximately one millisecond). As you accelerate the fuel injectors stay open for a longer amount of time (two to four milliseconds). The component that controls the injectors is the Electronic Control Unit (ECU or the "brain"). The ECU takes information from several other components to determine how long the injectors should stay open.

One component is the throttle switch. The throttle switch is directly connected to the gas pedal. It has three basic modes. It has a contact for idle, a contact for mid-range and another contact for full power.

Another component is the airflow meter or air-mass meter. This component changes resistance according to the amount of air rushing into the engine. As the resistance changes, the brain adjusts the amount of time the injector is open.

There are several other controls to the fuel injection that handle cold start, cold running, fast idle, etc. We will cover them another time.



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CALENDAR OF EVENTS

- Starlite 21st Annual Monte Carlo Rallye December 13-15, 1991
- Z Club Christmas Party Sunday, December 15, 1991 -- For Details See Below ***
- January Meeting Tuesday, January 7, 1992 (El Torito/Mission Valley at 7:00 PM)
- Z Club Gimmick Rallye Sunday, January 19, 1992
- RX7 Club Rallye February 8 or 22, 1992 (TBA)
- San Diego Auto Cross Association For More Info -- Hotline 441-1333
- Into The Night Rallye -- Warm Up Rallye March 7, 1992
- Into The Night Rallye March 27-29, 1992

GUEST SPEAKER AT THE JANUARY MEETING WILL BE BARRIE ADSETT. He will explain different types of road rallies with emphasis on Monte Carlo Rallies.

NEW MEMBERS -- 1991

SEPTEMBER

Keith Victoria

OCTOBER

Todd Wills

David & Yvonne Platt

NOVEMBER

Robert Beauchene
Lee Galloway
Lisa Rini
Rosalie Harvey
Doris Fifer
Wade & Geri Smith

Robert Graves
James R. Fish
Walt Ratchford
Patrick Hubbard
Don Fifer

Rick Caltagirone
Jannette Davis
Charles Carnegie
Mike Smoger
Tom Myers

DECEMBER

Jay Vaughn

William F. Flanigan



Z CLUB OF SAN DIEGO

CHRISTMAS PARTY

SUNDAY, DECEMBER 15, 1991 -- 3:00 TO 7:00 PM

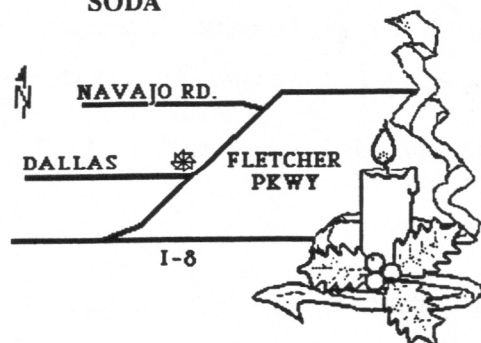
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698-3358**



Z BOOK REVIEW

Bob Bondurant on High Performance Driving

Review By Lance Wills

In the September Newsletter we were encouraged to send in a review of a book that we consider a must-read. **Bob Bondurant on High Performance Driving** by Bob Bondurant with John Blakemore is a must-read. We are all concerned with keeping our Z-cars in the best mechanical shape and looking good. The quickest way to change the styling and mechanical integrity of a Z, or any car, is to crash it.

Bob Bondurant has run a driving school since the mid-70's and has taught many Hollywood celebrities and aspiring race drivers, as well as law enforcement officers, stunt drivers and normal people like us the finer points of automobile control. Bob's book is much like a textbook for his driving school and will give any reader information and techniques to avoid costly and embarrassing sudden unplanned changes to the Z styling we apparently have come to love. There is (or was) a direct connection from Bondurant to Datsun and the Z-car -- Datsun was one of Bob Bondurant's sponsors early in the history of Bob's driving school. A 280 ZX can be seen hurtling through a corner in a *Bondurant School of High Performance Driving* advertisement from a late 70's magazine.

Like anyone proud of their accomplishments and attempting to answer the question "why should I buy your book and do what you say?", Bob uses the first chapter to brag about his successes in sports car racing (late 50's), his time on the Formula 1 circuit (early 60's), as a driver for Shelby's Cobra team and instructor in Shelby's Driving School, Can-Am racing and instructor for film crews making racing movies (remember "Grand Prix" and "Winning"?). Some of the chapters that follow define terms used in the book and by serious drivers, getting comfortable in the car and making it fit you, using the car controls and the mysterious "heel-and-toe" shifting method. Chapters on getting to know the car and the importance of mental and physical conditioning lead to a chapter about the effects on tire patch by braking, acceleration and turning. This chapter I consider the heart of the book. After discussing the tire patch and how it is affected, Bob discusses how to minimize tire patch as you drive through corners, then skid control, skid avoidance and surviving in traffic situations. Chapters 10, 11 and 12 are for the very serious aspiring race driver with advice on how to get started, finding sponsors and miscellaneous tips that didn't fit other chapters.

Throughout the text written by John Blakemore there are anecdotes written by Bondurant that drive home points made in the text. Oh, by the way, there are lots of pictures from the 50's and 60's that anyone interested in the history of racing will drool over for years.

Bob Bondurant on High Performance Driving is available from Classic Motorbooks for \$14.95 (order #111733AP). The phone number to order this book is (800) 826-6600 or the fax number is (715) 294-4448.

CLASSIFIED ADS

300ZX Aluminum Rims, 15" 4-lug w/tires, \$300 for set of four. Also, 280ZX chrome/steel, \$25 for set of four. Contact Joe at 741-5781

1986 300ZX, 78K miles; new clutch, am-fm cassette, and paint -- black w/gold rims; leather; digital and it talks! All records -- 2nd owner. Discount to Z Club members -- \$6250. Contact Michael at Home -- 286-4886 or Work -- 481-6018.

1980 280ZX, 10th Anniversary gold/black; #1617 of 3000; 2,100 original miles; fully loaded including original wingfoot tires & car cover. \$11,700 or best offer. Contact Mark at 431-8550 evenings after 7:00.

Front Koni Shocks for a 280ZX, externally adjustable, very reasonable price. Contact Mark at 282-8550.

Mag Wheels, good condition, wire basket type. All four \$40, includes all hardware. Contact Gary at 589-5104.

Hammond Louvers, new, all aluminum, fits 79-83 280ZX 2+2 w/wiper \$80. Also 84-89 300ZX \$100. Contact Gary at 589-5104.

1971 240Z Motor -- no carbs. Only 103,000 miles, great compression. Also, a 2 1/4" exhaust, smog legal; air conditioning unit; good 240Z radiator. Contact Tony at 788-9293 and make offer.

WANTED

Set of Carburetors for 240Z -- Webers or Mikunis. Contact Tim, Cush Mazda at (800) 992-2874.



The Z-Club of San Diego would like to extend to you the opportunity to become an active member. Many of the benefits of club membership are listed below as well as an enrollment form. If you are interested please take the time now to fill it out and send it in. If you need more information please call the President, Gary Anderberg, at 589-5104 between 8:30am and 6:00pm. Thank you!

Six good reasons to become a member:

- **Learn more about your car.**
The technical support provided by the club includes:
interesting guest speakers, informative newsletter articles, and shared information from other Z owners.
- **Save money. (club membership card)**
All of our sponsors offer discounts on parts and services for your Z, and this alone will easily offset your membership fee. Also, if our event has a participation fee, current members will receive a discount.
- **Receive club newsletter.**
This information packed newsletter contains information on current and upcoming events, technical information, and a classified section.
- **Monthly meeting.**
Featuring guest speakers, door prizes, happy hour with free buffet, discussion of club business and socializing with other Z owners.
- **Events.**
Fun and entertaining events are produced almost on a monthly basis. These events vary and include rallyes, picnics, parties, technical seminars, car shows, etc.
- **Meet new friends.**
The club has attracted a variety of individuals to its membership, and they vary in age and background, with the common link being their special fondness for Z cars.

Z-Club of San Diego Membership Form

Name : _____
Address : _____
City : _____, CA Zip _____

Birthdate : ____/____/____
Home Phone : (____) ____-____
Spouse's Name : _____
Spouse's Birthdate : ____/____/____

Company Name : _____
Address : _____
City : _____, CA Zip _____

Work Phone : (____) ____-____
Occupation : _____
Spouse's : _____

Car 1 Color _____	Year _____	Model _____	Serial # _____	Lic.# _____
Car 2 Color _____	Year _____	Model _____	Serial # _____	Lic.# _____
Car 3 Color _____	Year _____	Model _____	Serial # _____	Lic.# _____

I am interested in the following areas: _____ Other _____
☐ Technical Information ☐ Autocross
☐ Showing My Car ☐ Rallying

☐ Active Member \$40.00 per year. (\$10.00 extra for a Send Newsletter to : ☐ Home ☐ Office.
☐ Associate Member \$15.00 per year. significant other) Hobbies _____

Signed : _____ Date : _____

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