

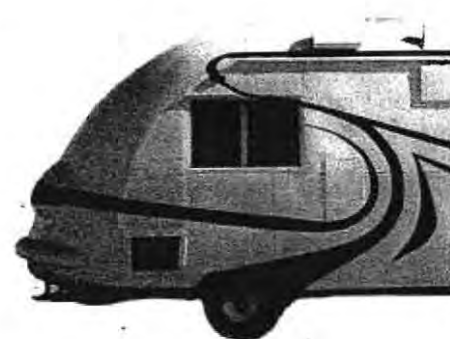


Corvairsation

www.corvairs.org

*Tucson Corvair Association
Volume 28, Number 17*

*Tucson, Arizona
October 2004*



INSIDE:

*The Great Western Fan Belt Toss
Reservation Form*

What Makes A Good Filter? Part Two

*TCA Annual Holiday Party
Reservation Form*

Members in the News

Events at a Glance

Spares and Vairs



Pictured on the Cover: "Eclectic Anachronism" Ultra Van, owned and driven everywhere by Tucsonan Don Reed.

Tucson Corvair Association

Established 1975

Corvairsation is a monthly publication of the Tucson Corvair Association, which is dedicated to the preservation of the Corvair model of the Chevrolet Motor Division of General Motors. The Tucson Corvair Association is a chartered member of the Corvair Society of America (COSA) chapter 857.

Monthly Meetings are held on the fourth Wednesday of each month, except November and December. One technical/social event is planned for each month except July and August.

Membership Dues are \$15 for individuals and \$18 for families. Initial dues are \$19 for individuals and \$22 for families (includes name tags). Make checks payable to Tucson Corvair Association.

Change of Address: Report any changes of address or phone number to the Membership Chairperson. Do not report such changes to the Corvairsation Editor.

COSA Membership Dues are \$30 per year (\$70 for 26 months) and include subscription to the COSA Communique, a monthly publication. COSA membership is not required for membership in the TCA, but is highly recommended. See any TCA officer for more information.

Classified Ads are free to members and \$3 per 4-line ad to non members. Deadline for materials submitted for publication in the Corvairsation is the 10th of the month.

Business Mail Address: 1026 South 7th Avenue, Tucson, AZ, 85701-3010.

Web Site Address: www.corvairs.org

Club Member Diagnosed with Cancer

It was a somber meeting on September 22 after Lance Gillingham, our Club Librarian and former Vice President, announced that he has been diagnosed with bone marrow cancer. His condition is very serious. The doctors acted quickly to replace both hips when test results revealed a hairline crack in one hip. Lance is undergoing rehabilitation from the surgery while new cancer-fighting drugs take up the sword prior to chemotherapy.

Our hearts our heavy and our thoughts and prayers go out for Lance and Sherry.

Board of Directors

President: Bill Maynard

3605 N. Vine, Tucson, AZ 85719, 520-325-8497

EMAIL: billfromtucson@webtv.net

Vice President: Barry Cunningham

362 Bull Run Drive, Tucson, AZ 85748, 520-733-7387

wk: 520-887-1011

Treasurer: Allen Elvick

4210 S. Preston, Tucson, AZ 85735, 520-883-4337

wk: 792-1450 x 1-6966,

EMAIL: allen-elvick@med.va.gov

Secretary: Lynn Marrs

14020 N. Gecko Canyon Tr., Tucson, AZ 85742,

520-297-8969

EMAIL: lmnightengale@juno.com

Board Member at Large: Dave Lynch

4312 E. Flower, Tucson, AZ 85712, 520-574-3135

EMAIL: lynchmob@theriver.com

Membership Chairperson: Allen Elvick

Corvairsation Editor: Chris Cunningham

1026 South 7th Ave, Tucson, AZ 85701, 520-670-9676

EMAIL: arizaim@hotmail.com

Immediate Past President: Chris Cunningham

Assistant Editor: Van Pershing

4842 West Paseo de las Colinas, Tucson, AZ 85745,

520-743-9185,

EMAIL: vpersh@yahoo.com

Librarian: Lance Gillingham

8741 Saddleback Dr. Tucson, AZ 85749, 520-749-4951

Webmaster: Paul Dunn

P.O. Box 867, Bisbee, AZ 85603, 520-432-5840

EMAIL: paul@corvairs.org

Merchandise Chairperson: Don Robinson

2044 Shalimar Way, Tucson, AZ 85704, 520-297-1356

EMAIL: fourcorvairs@hotmail.com

September 2004 GENERAL MEMBERSHIP MEETING

September 22, 2004

Members Present: Bill Maynard, Lynn Marrs, Lance and Sherry Gillingham, Art Dunn, Paul Dunn, Barry Cunningham, Chris Cunningham, Dave Lynch, Ed Segerstrom and Guest Bruce Porter.

President Bill Maynard called the meeting to order at 7:30pm.

Approval of the Minutes for August 25, 2004:

Barry Cunningham made a motion to approve the minutes, seconded by Paul Dunn and the motion passed unanimously.

Financial Report: No report at this time.

Committee Reports: No reports at this time.

Presidents Report: No report at this time. Bill Maynard welcomed everyone and invited all to the picnic on Mt. Lemmon on September 26, 2004.

Vice-President's Report: Barry Cunningham detailed the upcoming venture to Rose Canyon Lake on Mt. Lemmon on September 26. Barry will do the footwork to get the food and charcoal briquettes. Please bring a dish to share.

Barry spoke of the Bisbee tour with Paul Dunn on October 17 which may or may not happen.

Discussion took place on the Fan Belt Toss in Palm Springs. Please make your reservations at the next meeting. Space at the Swap Meet has been reserved. Barry will the canopy with new logos painted on both sides. Please count on going; this will be a lot of fun.

Barry discussed making reservations for the Christmas party. Lynn Marrs agreed to make the reservation for December 15, 2004 at the Metropolitan Grill. Metropolitan Grill is where we had lots of fun at last year's holiday dinner. We will have the same format again this year. Everyone should bring a gift to exchange and two cans of food for the Food Bank.

Merchandise: No report at this time.

Library: Lance reported that he has been diagnosed with bone marrow cancer. The prognosis is not good. He is asking for an interested party to take over as Club Librarian. Contact Chris Cunningham for more information on the Library position. The entire Club is with Lance and Sherry and send their thoughts and prayers to them.

Raffle: No raffle tonight.

Old Business:

New Business:

Corvair Talk: Dave Lynch reported that he found a person to make front license plates with the Club logo for \$17.00. He will bring this up at the next meeting, as it would be nice to give one to each new member. (It would be even nicer to give one to each old member too! -Ed.)

Next Meeting: The next meeting will be October 27 2004.

Adjournment: Paul Dunn made a motion to adjourn at 8:10pm. Barry Cunningham seconded this motion and the meeting was adjourned at 8:10pm.

Respectfully submitted,

Lynn
Secretary

GREAT WESTERN FAN BELT TOSS

JOHN YOUNG/PARTS DEPART THURS NOV. 11
EVENTS START FRIDAY, NOV. 12
GATES OPEN AT 10AM FOR VENDERS TO
CHECK IN AND SET UP. ACTIVITIES AND
SWAP MEET GO THRU SUNDAY NOV. 14.

WE NEED TO KNOW HOW MANY ARE GOING
AND WHO IS GOING TO ASSIST

PLEASE FILL OUT THE FORM BELOW AND
BRING TO OUR NEXT MEETING OR MAIL TO:

BILL MAYNARD
3605 N. VINE ST.
TUCSON, ARIZONA 85719

_____ YES, WE ARE GOING.

_____ NO, WE CANNOT GO

NAME _____

ADDRESS _____

COMMENTS _____

Oil Filter Study part two

by Russ W. Knize (1999)

Recommended Filters

Based on the simple criteria above and the information I gathered in the Oil filter Study, I have found some filters that are readily available and are of good quality. I have disassembled many filters and made observations and measurements on them. Sadly, some of the most common and popular filters don't cut it in my book. Those filters are described in the next section. The filter names are also links to the Oil Filter Study page, which gives the intimate details of that filter in the Ford 5.0L V8 version. You will find all the hard data for these filters there. What follows are filters that I recommend in alphabetical order:

AC Delco Duraguard

This filter does not appear to be AC Delco's original design, but it is still pretty good. It has one of the highest filter element surface areas with fewer, but very deep pleats. It also has strong, metal end caps with a nitrile rubber diaphragm-type anti-drainback valve and steel bypass valve. It is one of the better filters you can get for \$3. I have had some feedback about these filters leaking at the seam between the backplate and the can. Often this was in situations where the engine was modified. Also, during a recent oil change, I found that this filter did not have the best anti-drainback valve. It is better than Fram because I have very little valve train noise at startup (I had a lot with Fram). I now have a NAPA Gold filter on it, which gives me no noise at all.

AC Delco Ultraguard Gold

This filter appears to be a Champion Labs filter. This is not surprising given that Champion Labs also manufactures other AC Delco filters for some European vehicles. See the German Oil Filter Study.

AMSOIL

No real information yet. I have cut it open and it looks like a very nice filter. The manufacturer appears to be Baldwin.

Bosch

This is yet another Champion Labs filter that is sold at AutoZone.

Car And Driver

This is a Champion Labs filter that is sold at Target.

Deutsch

This is a Champion Labs filter that is sold at AutoZone.

Fram Tough Guard

Even with all the problems of the other Fram filters, this one is not too bad. It has a heavier filter element with more surface area, a silicone anti-drainback valve, the cheap pressure relief valve, but with a clever integral screen to

keep out large particles, and enough inlet holes for good flow. The only other drawback to this filter is that it is capped on each end with cardboard instead of metal. Looking in through the center outlet does not reveal any paper end caps, but they are there.

Hard Driver

This is one of the few oil filters that uses a synthetic filter element. It has a dual-density layering "depth" filter element. The construction of the filter is what you would expect from a quality filter with steel filter element caps and special epoxy-coated steel mesh retainers to keep the element from flexing. It also has a good flowing, strong steel case and a zinc-coated backplate to prevent pre-installation corrosion. I have disassembled but have not measured this filter. I have not been able to find this filter at any retail stores.

Mobil 1

This filter is made by Champion Labs and uses a synthetic fiber element that can filter out very small particles. It is rated by the manufacturer at just under the Purolator Pure One as far as filtering capability, but is still very much above conventional paper filters. It also has a very strong construction to withstand high pressure spikes during start-up. Given the choice between the Purolator Pure One and the Mobil 1 filters, I would choose the Mobil 1 because of the restriction concerns of the Pure One. However, as with all Mobil 1 products, expect to pay 2 - 3 times as much for this filter. I have seen this filter sold at AutoZone and K-mart. Though I have never had problems, I have received feedback from a few people that these filters may leak at the base. It seems that the seal between the backplate and can may burst under high pressure (at startup). These were on Ford engine applications.

Mopar Filters (various)

These filters are Frams, Purolators, or Wixes. Mopar does not manufacture its own filters, nor do they require anything special from these manufacturers. Since they basically paint them a different color, stamp them with a Mopar logo, and double the price, there is no reason to buy them. Sadly, the Mopar Severe Duty 53020311 filter is actually the worst filter of them all. It is a Fram Extra Guard.

Motorcraft

This was a Purolator hybrid. It had the Premium Plus case (anti-drainback valve, gasket, etc), but with a Pure One filter element. This is a cheap way to get a Purolator Pure One. It is sold at many locations including AutoZone, Pep Boys, etc.

NAPA

They sell two lines of oil filters: NAPA Silver and NAPA Gold. They are both made by Dana (Wix) and there is no obvious difference between them. They may have different elements, but NAPA does not state that this is true.

PowerFlo

This is a Purolator Premium Plus that I have seen at Murray's Auto Supplies.

Oil Filter Study part two continued

by Russ W. Knize

ProLine

This is a Purolator Premium Plus that I have seen at Pep Boys. Pep Boys also sells the Purolator Premium Plus brand, which is pretty dumb (to be selling both).

Purolator Premium Plus

The Purolator is a solid design. It seems to have one of the tougher paper filter element of them all and the bypass valve is built right into the cartridge. There are no internal sealing problems with this filter at all. There is an assembly string that is wrapped around the filter element, probably to hold it in place while the glue cures in the end caps. In the ProLine (one of the Purolator clones), the string was wrapped too tightly and had damaged the filter element. All the other Purolator-made filters (8 in all) had no trouble, and even the damaged one would probably have been fine.

Purolator Pure One

This is an interesting filter design made by Purolator. Most of the construction of the Pure One is the same as the Purolator Premium Plus. The big difference is the filter element itself. It has a dense paper/fiber filter element that can filter very small particles. The result of this is cleaner oil exiting the element, but more oil restriction. Purolator addressed this by adding more filter material (more and deeper pleats). After seeing one of these filters cut open, I am apprehensive about this filter. It seems to have so many pleats that it is almost a solid chunk of filter element. It seems like it would end up restricting the flow, more than anything. Purolator has plenty of data on the filtration abilities of this filter and I don't doubt it, but they have no flow data. Even so, I don't see any major problems with this filter. It also sports a silicone anti-drainback valve and a PTFE treated nitrile rubber gasket.

STP

This is a Champion Labs filter that I have seen at AutoZone and Walmart.

Wix

Another quality oil filter similar in design to the Purolator. It has metal end caps on the filter element, a standard nitrile anti-drainback valve, and a seemingly good flow. They are manufactured by the Dana corporation. These appear to have a depth gradient filter element, which uses cotton fibers to progressively trap smaller particles as they get deeper in the filter. This helps maintain good flow as the filter gets plugged.

Filters To Avoid

The following list of filters have known problems. You will see well-known names here and will probably be disappointed. This is because many of these brands have

stopped making their own filters and buy from a common manufacturer.

Fram Extra Guard

Years ago Fram was a quality filter manufacturer. Now their standard filter (the radioactive-orange cans) is one of the worst out there. It features cardboard end caps for the filter element that are glued in place. The rubber anti-drainback valve seals against the cardboard and frequently leaks, causing dirty oil to drain back into the pan. The bypass valves are plastic and are sometimes not molded correctly, which allows them to leak all the time. The stamped-metal threaded end is weakly constructed and it has smaller and fewer oil inlet holes, which may restrict flow. I had one of these filters fail in my previous car. The filter element collapsed and bits of filter and glue were circulating through my system. The oil passage to the head became blocked and the head got so hot from oil starvation that it actually melted the vacuum lines connected to it as well as the wires near it.

Fram Double Guard

Another bad filter idea brought to you by your friends at Fram. The filter itself is a slightly improved design over the Fram Extra Guard, but still uses the same filter element. It has a silicone anti-drainback valve, a quality pressure relief valve, and enough inlet holes for good flow. The big problem is that they are trying to cash in on the Slick 50 craze. They impregnate the filter element with bits of Teflon like that found in Slick 50. As with Slick 50, Teflon is a solid and does not belong in an engine. It cannot get into the parts of the engine that oil can and therefore does nothing. Also, as the filter gets dirty, it ends up filtering the Teflon right out. Dupont (the manufacturer of Teflon) does not recommend Teflon for use in internal combustion engines. Please do not waste your money on this filter.

Penzoil

This filter is a Fram! It is the exact same design as the Fram Extra Guard filter and it is junk. On the up side, it costs \$1 less than the Fram version.

Quaker State

This is another Fram Extra Guard that I have seen at K-mart. It used to be a Purolator, but Quaker State is now owned/controlled by Penzoil...

Remember the Frantz Oil Cleaner? What happened to them? Read all about it in the next issue of the Tucson Corvair Association's Corvairsation.



TCA HOLIDAY PARTY

Wednesday, Dec. 15, 2004

METROPOLITAN GRILL

7892 N. Oracle @ Magee

Cocktails: 7pm

Dinner 7:30pm

MENU CHOICES
CHOOSE ONE PLEASE

1. Flame Grilled Shrimp basted with garlic butter and served on sweet onion puree with garlic mashed potatoes
2. Filet Mignon 8oz. (R M W) Grilled and topped with brandy peppercorn sauce. Served with fresh vegetables and garlic mashed potatoes.
3. Spinach and Basil Crusted Halibut, pan seared and served over sauteed spinach with tomato beurre blanc.

The Club will cover the Appetizers and Desserts.

Choice of desserts:
Creme Brulee, Two scoops of Ice Cream,
Chocolate Chip Cookie with Ice Cream

No Host Bar available.

Cost: \$24.00 for each person, this includes tip.
There will be a Holiday gift exchange, so each person
must bring a gift. (\$10-15 range)

____ YES, we will attend, # of people ____

\$ ____ is enclosed to cover our dinner.

____ NO, we will not be able to attend.

NAME _____

ADDRESS _____

MAIL TO: Bill Maynard, 3605 N. Vine St.
Tucson, AZ 85719 or bring to meeting.
Questions: call Lynn Marrs at 297-8968

TCA 2004 Events at a Glance

OCT

- 17 SUN Caravan to Bisbee (Postponed)
- 27 WED Regular Monthly Meeting - 6pm.
Optional dinner at 6:20, meeting
starts at 7pm. Mountain View
Restaurant 1220 E. Prince Road.

NOV

- 10 WED TCA Board Mtg. Famous Dave's BBQ
4565 N. Oracle Road, 888-1512, 6:30pm
- 11-14 TH-SUN Great Western Fan Belt Toss &
Swap Meet, Palm Springs, CA
- 17 WED Regular Monthly Meeting - 6pm.
Optional dinner at 6:20, meeting
starts at 7pm. Mountain View
Restaurant 1220 E. Prince Road.

- 25 THUR Thanksgiving Day

DEC

- 15 WED Annual Holiday Party TBA
- 25 THURS Christmas Day



"Our engines 'went to school' with Frantz
...for a big savings!"

Spares and Vairs

- FOR SALE:** Corvair Parts - new and used, late and early, rare and not so rare. Taillight lenses, carb parts, hubcap inserts, arms, trim, misc., and much more. Chris, 670-9676.
- FOR SALE:** 1960 Corvair 4-dr parts car. O'Reilly Chevrolet/Tucson car. Rough but complete. Call Allen 883-4337 or Chris at 670-9676.
- FOR SALE:** 1963 Corvair 2-dr 80hp. 33yrs same owner. Complete; needing restoration. Elliott: 742-3055.



CORVAIR PARTS!

Since 1974 Corvair Underground has been selling parts and services to the Corvair community!

We offer new, used, rebuilt, NOS and reproduced parts as well as toy cars and collectibles.

Corvair Underground sells to every state in the Union plus all over Canada and the rest of the world. We accept all major credit cards and you can call, fax, mail or e mail your order.

Our giant 300 page mail order catalog, The Corvair Book, is just \$6.00 postpaid (USA). You can also get a subscription to our newsletter, The Corvair News, free. All we need is your name and address. Also, don't forget our online website www.corvairunderground.com. There you'll find our newsletter online, our GoVair performance and custom site and a whole lot more!



CORVAIR UNDERGROUND Inc.
PO Box 339 Dundee, OR 97115
503-434-1648 800-825-8247 Fax 503-434-1626
Your Corvair Parts Supplier for the 21st Century!

Clark's Corvair Parts, Inc. NEW! 2002 - 2006 catalog

OVER 670 pages OVER 1900 photos
OVER 500 diagrams OVER 1100 sketches
OVER 11,000 index items OVER 14,000 parts
OVER 75 % of the pages have changes!

ALL parts and KITS are in the **NEW** catalog.
Easier to use!! Our BIGGEST revision in 8 years.

➔ **\$6.00** We'll rush a catalog right out to you.
(\$8 for Canadians - USA funds) (MORE for FOREIGN)

Clark's Corvair Parts, Inc.
400 Mohawk Trail, www.corvair.com
Shelburne Falls, MA. 01370
413/625-9776 FAX: 888/625-8498
email: clarks@corvair.com



Mark Drumheller
Paul Dunn

The Car Guys

22 Hwy 92 - Bisbee, AZ 85603
(520) 432-5134 paul@corvairs.org



ENTROPY LTD.

ELECTRONICS AND TECHNICAL SERVICES

JULIUS L. BERKY
3202 E. CLOUDCREST LN.
TUCSON, AZ 85739-9375

(520) 825-0736
FAX (520) 825-0783
EMAIL: jiberky@netscape.net

Tucson Corvair Association Corvair Society of America Chapter 857

Regular Monthly Meetings are held on the fourth Wednesday of each month.

November meeting is on the third Wednesday.

The December meeting is an annual Holiday Party.

Meeting Place: Mountain View Restaurant, 1220 East Prince Road, 293-0375

Parking Lot Bull Session: 6pm - Dinner: 6:20pm (optional)

Meeting: 7pm.

The raffle gifts for the October meeting will be provided by
Bill Maynard, Chris Cunningham, and Barry Cunningham.

Upcoming Events:

November 12-14 FRI-SUN - Great Western Fan Belt Toss in Palm Springs, CA

December 15, Wednesday 7pm - Annual Holiday Party at Metropolitan Grill



Tucson Corvair Association
1026 South 7th Avenue
Tucson, AZ 85701-3010



*What Makes a Good Filter? Find out inside in
part two of the Oil Filter Study*

First Class Mail

Van & Vickie Pershing
TCA Assistant Editor
4842 W. Paseo de los Colinas
Tucson, AZ 85745