

DESERT FALCON FLYER



Year: April, 2005

Issue 4

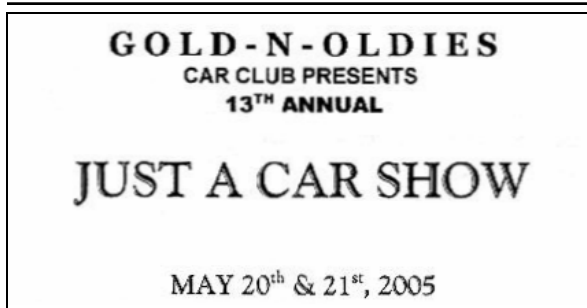
April Meeting Information

Date: **April 9, 2005**

Place: **Berge Ford**, 460 E. Auto Center Dr. Mesa, AZ (US 60 and Mesa Dr.)

Time: **5:30PM**

PLEASE MARK YOUR CALENDARS!!!!



Fun was had by all who went to last year's Gold-N-Oldies car show in Globe. Hope to see you all there this year!



Arizona Emissions Test Exemption for Collectible Vehicles was Considered Tuesday, April 5th 11:30 am. by Full Senate

HB2357) to exempt qualified collectible vehicles 15 years old and older from the state's mandatory emissions inspection and maintenance program will be considered today by the full Arizona Senate. Qualifying vehicles would have to maintain appropriate collectible or classic automobile insurance to retain these benefits. The bill has already passed in the Arizona House of Representatives.

Results unknown at time of publication. Watch this space for an update next month.

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FOR CLUB INFORMATION

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PRESIDENTS MESSAGE

April 2005

I have spoken about the (preached is more like it) upcoming election of Officers for the last two news letters so I will not bore you with the same old stuff anymore except to say the Elections are this meeting 9 April 05 that is the 9th of April for the non Military types. I hope for a good turnout and I will make the meeting as quick as I can so we can go eat.

The plan for the club cruise to the Falcon Club of America's 26th National Convention in San Ramon, California this coming July 14 thru 16 is still the same, except I do not believe I will be able to go, I am trying to work out the problem, but as of now it is a no go for me. They will still meet at the Circle K on Jackrabbit road and I-10, but the time had been changed to Tuesday morning at 0900 (9AM) and head out for California. I have made the room reservations at the Marriott in San Ramon and passed the information on to John Binder. John will be leading the group if I do not make it and he will have all the information. If you can make it, it is going to be a great time.

The plan for the Globe show has not been set as of yet, however, I have Motel reservations for 5 rooms at the Travel Lodge in Globe where we stayed last year. The show is May 20th & 21st. I will have extra entry forms at the club meeting. On the way up on Friday morning we stop for breakfast and at the Antique stores. You do not need a car to go and have fun with the rest of us, in the words of the Village People "We want you". All the shows we have planned look to be a great time, if you can get away for any of them we would love to have you and you do not need your Falcon to come join in the fun.

Don't forget the meeting at BERGE FORD Saturday 9 April 2005 starting a 1730 hours (that's 5:30 PM). We will go out for a bite to eat and a kick the tires session after the meeting. Hope to see you there.

Bill Hardin

MEETING MINUTES FOR 03/12/2005

Meeting called to order at 5:40 PM by President Bill Hardin.

Introductions of those attending. We had a guest in attendance who is interested in joining the club. His name is Norris Sullivan, and he has several vehicles, including Falcons and a Comet (Comet owners are welcomed).

Minutes of last meeting were read and approved.

Treasure's report read and approved. Balance at this time is \$ 1,227.59 after purchase of inkjet cartridges for \$643.18 and postage for newsletters for \$10.36,

Membership at this time is 26 confirmed members.

OLD BUSINESS

National's there are three couples that are definitely going, and President has reserved rooms for this event.

Tombstone show is sold out and there are no rooms available in Tombstone or Sierra Vista.

Globe show still on for May 20-21, room reservations have been made by President.

President received letter from Chapter sponsorship for the 2005 Falcon Club of America, suggesting a \$200.00 donation which would mean we would be recognized at the Saturday night banquet as a supporter for an awards class.

This was brought up for discussion and a motion was made to send \$50.00 by Jim Vanell and second by John Binder. Reba suggested that we also send a shirt which was also approved.

It was also mentioned as to whether or not there is a charge for the National's if you do not have a car. The answer is yes, a \$15.00 charge for no vehicles.

Nominations are now officially open and elections to be held next month.

Paul Long has done a article on his car for the April newsletter and John Binder has volunteered to do one for May's newsletter.

NEW BUSINESS

None at this time.

Drawing for flyer on racing Falcons which was won by Jim Vanell.

Meeting adjourned at 6:15. Club going to Red Robin for dinner.

Notes taken by Kathie Hardin

For Vii Hastings

PRICES OF CLUB JACKETS AND SHIRTS

Price list for shirts and jackets.

Club Price		Club Price	
Men's Power Hitter Shirt.....	\$28.00	T-shirts.....	\$9.00
Men's Jacket Windward.....	\$34.50	Baseball Caps.....	\$5.00
Women's Power Hitter Shirt.....	\$27.00		
Women's Competitor Shirt.....	\$27.00	See Kathie Hardin for current stock	
Women's Jacket Windward.....	\$33.50		

Future Car Shows - Please confirm times and dates – phone numbers provided with most listed events. If you have information on Car Shows or Events not listed here please notify the editor

UPCOMING CAR SHOWS AND EVENTS

2005

Apr. 9 - Central Avenue Cruise - Come and enjoy the FUN, Meet at Park Central! - Info: Nancy 602-938-1000

Apr. 9 - 1st Annual "CARS AND STARS" Car show benefiting the North Canyon High School "Stars of the North" marching band - open to all vehicles - 9am-2pm, awards 2pm - food, music, silent auction, 50/50 drawing - Reg. \$20 - Phoenix - Info: Mike 623-293-8049 or Tim 480-201-0081

Apr. 10 - Valley of the Sun Kiwanis Clubs 39th Annual World Famous B-B-Q, Family Fun Day and Classic / Antique Car Show at the PARA Club (1 E. Continental Dr.) - 11am-3pm - Car Show Only \$5, Car Show & Barbecue \$15, Barbecue Only \$10 - Tempe - Info: Bill 602-864-3494

Apr. 16 - 19th Annual Oracle Spring Run Car Show, Motorcycle Show & Festival - parade, swapmeet, craft fair & carnival - reg. 7am, parade 9:30 am, awards 3pm - Pre-reg \$20 before April 10, \$25.00 after, Food vendors \$35, craft and swapmeet vendors \$25 -) - Oracle - Info: Margaret 520-896-2158 (Oracle), 520-825-1866 (Tucson) or E-mail m.guyton@earthlink.net

Apr. 16 - Special Event - Meguiar's Show Car Clinic (entry level) at the Islands Community Center (825 S Islands Dr.) - \$25 - 8:30am-4:00pm - taught by Stephanie DeAnda, Meguiar's Corporate Area Manager - clinic will include: Proper Knowledge & Use of Car Care Products, Paint Care in our Intense Arizona Climate, Safe Machine Polishing Procedures and Show Car Detailing Secrets - Discounts on Meguiar's Products - Gilbert - Info: 602-317-9519

Apr. 16 - DeVry Phoenix Xtreme Scene at DeVry University (2149 W. Dunlap) - People's Choice Awards - \$5 entry - Reg. 7am - 9am, Show 10am - 3pm, awards 4pm - Live Band, Kid Carnival, Roller Derby, skateboard demos, Food booths and WB6 TV Network and KISS FM 104.7 coverage - Phoenix - Info: Glenn 602-870-9222

Apr. 21 - Cinco de Mayo Willcox Car Show at Historic Railroad Park - Friday 50's Day - Car Viewing and Judging on Saturday - Willcox - Info: John 520-384-3908

Apr. 23 - 4th Annual Arizona Law Enforcement Torch Run, LETR, Charity Car Show at Ahwatukee Palms Plaza (SE Corner Warner Rd. and 48th St.) - all proceeds go to the Arizona Special Olympics - entry \$15 which includes Torch Run Dash Plaque and 2 free coupons for burgers or hot dogs - 50/50 Raffle and Commemorative Mini Chopper Motorcycle Raffle, Great Gift Raffles, food & clothing sale - reg. 7:30am-9am, car show 9am-2pm, judging 9am-12pm, awards 2pm - class winners receive a customized event t-shirt - Info: Les 602-534-0407

Apr. 23 - 21st Spring Car Show presented by the Sierra Vista Car Club at The Diner (S. Hwy. 92) - pre-reg \$10 before 4/19, \$15 after - Limited to 100 vehicles - Sierra Vista - Info: Chris 520-417-9167

Apr. 23 - 1st Annual "Cruisin for Music" Car Show presented by the Bradshaw Mountain High School Band Boosters at the BMHS Parking Lot (6000 Longlook Drive) - car show to help raise \$12,000 for the purchase of new band uniforms for the Bradshaw Mountain High School Marching Band - Classes, Chevy, Dodge/Mopar, Ford, Import/Mini-Truck, Lowrider, and People's Choice, 1st and 2nd prizes for each category - 50/50, event t-shirts, burgers, dogs and drinks available - Live music and performances by the BMHS band groups - Prescott Valley - Info: Rachel 928-772-7027

Apr. 23 - 4th Annual All Wheels Car Show presented by the Society of Automotive Engineers at Northern Arizona University (Lot P62) - all vehicles welcome - proceeds help our engineering students compete in national design competitions - check-in 7-8:30am - Spectator gates open 9am-3:30pm - \$20/car day of show, \$15/car prereg, additional cars \$5

off, Students \$5 off, Motorcycles half off - race your RC cars - Flagstaff - Colby 520-609-1068

Apr. 23 - Wild Cars & Wild Animals presented by the Wildlife Center Auxiliary (35th Ave. & Greenway Rd., K-Mart Parking Lot) - 10am to 3pm - \$20 entry - proceeds benefit Wildlife Center - hawks, vultures, owls, falcons, skunks, squirrels, snakes and gila monsters on display - T-shirts, dash plaques, trophies, slow drags, goodie bags, music, games, giveaways - Phoenix - Info: Don 623-582-9806

Apr. 23 - So-Cal Open House Party (3427 E. McDowell) - 8am-3pm - Fun & Refreshments - Phoenix - Info: Frank or Mary 602-275-7990

Apr. 29-May 1 - 12th Annual Beeline Cruise-In and Charity Auto Show on Main Street presented by the Rim Country Classic Auto Club - Limited to 300 pre-1977 vehicles - \$30 Entry Fee includes a cool T-shirt, dash plaque, killer goodie bag, burger burn, entertainment, dance & breakfast - Friday: Beeline Burger Burn 3-6pm, Registration 12noon-5pm, entertainment at the Mazatzal Casino 7-9pm, Saturday: Registration 6-10am, Car Show 8am-4pm, 3-4pm Awards, Beeline Barbecue 4:30-6:30pm (prepaid reservations only), 7-11pm Dance with "Come back Buddy" at the Mazatzal Casino, Sunday: Beeline Breakfast 7-9am - Main Street Poker Walk (Cash Awards), Casino Shuttle on the hour, Vendors, Music, Raffles, \$1000.00 in Cash Grand Prizes, 50/50 and more - Payson - - Info: Larry 928-472-7769 or Norm 928-474-4766

April 29 -May 1 COME ONE - COME ALL 18TH Annual ROUTE 66 FUN RUN Sponsored by: HISTORIC ROUTE 66 ASSOCIATION OF ARIZONA \$44 Entry before 4/4, \$49 after P.O. Box 66 - Kingman, AZ 86402 - (928)753-5001

May ? - Cruisin' Under the Stars to Benefit Make-A-Wish Foundation at the Victory Lane Sports Complex - Entry \$20, Vendor \$20 - Dash Plaques and T-shirts - Phoenix - Info: Bob 602-300-5606

May 20-21 - 13th Annual Gold-N-Oldies "Just a Car Show" - 30 classes+ - 50/50, Door Prizes - prereg before May 1 \$25, \$30 after - Globe - Info: Michael 928-473-2331, Jim 928-425-9271 or Merle 928-473-4360

May 28 - Cars On Main Car Show at Firth Park - Parade 1-2pm, Reg. 2:30pm, Show 3-8pm, Awards 7pm - Reg. before May 21 \$20, \$25 after, includes t-shirt, dash plaque and Goodie Bag for 1st 100 entries - May 27-29: Antique Show and Sale at the Safford High School - 10am-5pm - Craft Show, Quilt Show, Trap Shoot, Lawn Tractor Pull, Live entertainment, Street Dance and talent show - Safford - Info: Kim 928-348-4611

June 10-12 - Show Low Days-Still Cruizin Car Show at the Show Low City Park (Hwy. 60 & 260) - \$25 before May 15, \$35 after - Fri. Burger Burn 5-7pm, Cruise the Deuce 7-9pm, Sat. Reg. 7-10am, Car Show 8am-4pm, Awards 4pm, Sun. Continental Breakfast 8-10am, Show and Shine 8-10:30am, Poker Run 10:30-12am - Show Low - Info: Steve 928-537-2326

June 17-18 - 3rd Annual Chrome in the Dome Classic Car and Truck Show sponsored by the Springerville-Eager Regional Chamber of Commerce - limited to 200 1977 and older vehicles, first 110 vehicles registered park inside the dome - pre-reg before June 10 \$30, \$40 after, includes T-shirt, Dash Plaque and burger burn - Cruise, Burger Burn, dance, breakfast, judged show - Springerville/Eager - Info: Wayne 928-333-4001

Aug. 6 - Cool August Nights at Tal-Wi-Wi Lodge - Reg. \$20, Day of show \$25, Poker Fun \$10, BBQ \$7 per person - Move In 6:30, Show 9am-12pm, Judged Show - Alpine - Info: Mike 928-339-4319

Sept. 22-25 - River Cruizers 14th Annual "Roddin' on the River" at the Riverside Resort and Casino - Laughlin, NV - Info: 928-788-2174

Sept. 23-25 - Run to the Pines - Pinetop - Info: Bob 928-368-5325

Oct. 1 - Central Avenue Cruise - Come and enjoy the FUN, Meet at Park Central! - Info: Nancy 602-938-1000

UPCOMING CAR SHOWS AND EVENTS (continued)

Oct. 8 - 18th Annual Cars in the Park presented by Sierra Vista Car Club - Registration flyers available in April - Sierra Vista - Info: Joe 520-458-8937

Oct. 14 - Ford Thunderbird 50th Birthday Party sponsored by the VTCI Central Arizona Chapter at 19644 N. 7th Ave - all cars welcome, public invited - This is a free event for participants and spectators - Live 50/60s band, carnival, food beverages - Lighted car parking next to event tent - Come celebrate the Ford T bird's 50 year - On site security - 6-10 PM - Phoenix - Info: Leigh 623-582-3746

Oct.14-16 - Casino Arizona Third Annual Fall Classic Car Show - 35 cash prizes to include several new classes - entry includes a calendar, food, entertainment, and much more - Scottsdale - Info: Char at 480-850-7881 or Mary 480-850-7968

Oct. 19-23 - Relics & Rods 28th Annual "Run to the Sun" - Lake Havasu City - Info: 929-855-0933

2006

Jan. 21 - Tubac Car Show sponsored by the Santa Cruz Valley Car Nuts (Rain Date Jan. 28) at the Tubac Golf Resort - Will have flyer and registration form available late September - Tubac - Info: Duane 520-885-6630

Mar. 18 - 9th Annual Benefit Car Show presented by the Boys & Girls Club of Sierra Vista at the Mall at Sierra Vista - T-shirts, dash plaques, trophies, oldies music, 50/50, and live auction. Registration flyers available in October - Sierra Vista - Info: Joe 520-515-1511

Apr. 23 - 20th Annual Oracle Spring Run Car & Motorcycle Show at the Pinal County Courthouse - more details coming in December - Oracle - Info: Margaret 520-896-2158

IN THE KNOW.....

Engine Oil Choices

By Russ W. Knize (<http://minimopar.knizefamily.net/oil.html#viscosity#viscosity>)

No matter what type of oil you choose, there are a few universal constants about engine oil. The first is change it regularly! Conventional oil must be changed with regular frequency (usually every 3,000 to 5,000 miles). The fact is that the oil simply breaks down as it ages and loses the ability to lubricate. It also collects contaminants from the combusting air and fuel in the engine. As these contaminants build up, the oil can become acidic and damage bearing surfaces. Synthetic oil does not breakdown as quickly, but it still acquires contaminants the same way, however it has additives to help battle this. Change it at least every 5,000 - 6,000 miles. Many replace it at 3,000 miles just to be safe. Always change your oil filter when you change your oil. It does little good to replace your oil, only to have a half a quart of old oil sitting in a plugged filter.

It's also a good idea not to mix brands of oil. Stick with a particular brand at least for your current oil change and when adding oil later, keep using the same brand. Always have an extra quart or two readily available. Although you can change brands between changes, I recommend choosing a brand and sticking with it to avoid potential incompatibilities.

Always use standard conventional 5W-30 oil when breaking in a new or rebuilt engine. Never use synthetics or additives. In fact, some of the new conventional oils have been causing problems in rebuilds of older engines because of the new friction inhibitors now available. I like to use the cheapest oil I can find (generic branded) for the break-in. The new engine parts depend on the characteristics of older conventional oil to properly break-in. A certain amount of friction during break-in is required or the new component surfaces will not wear to match one another, which inhibits the ability of the oil to form the film that keeps metal parts from touching one another. It also reduces accuracy of the tight tolerances needed in places like the piston rings. The result can be piston rings that won't seat or even spun bearings.

Oil Viscosity

The way that oil viscosity is referred to is by its weight. In this case, "weight" refers to the thickness of the oil and is usually measured with a Zahn cup. Any liquid has some viscosity and that viscosity changes depending on its temperature. Usually, viscosity (thickness) decreases as temperature increases. This also is true of engine oil. Engines need a thin oil at startup, so that it can get to the engine components quickly, but it needs a thicker oil when the engine is hot because a thin oil becomes too thin. This is why engine oils are supplied as dual-grade weights. When you see 10W-30 on a quart of oil, it means that it acts like 10 weight oil when it is cold (the "W" means winter, say -10°C), but acts like 30 weight oil when hot (100°C). This is not to say that it is actually thicker when it is hot. Hot 30 weight oil is thinner than cold 10 weight oil. Even so, it still helps provide the benefits of both types of oil depending on its temperature. So 0W-30 oil acts like 0 weight oil when cold, but maintains a 30 weight viscosity when hot. Think of it this way: when your engine is hot, there is basically no difference between 0W-30, 5W-30, and 10W-30 oil. They are all acting like 30 weight oil at this point. It's at cold startup, when almost all engine wear occurs, that the viscosity is different. The 0 weight oil will get to the engine components quicker than the 10 weight oil, but in reality cold 0 weight oil is still thicker than hot 30 weight oil. On the other hand when the engine is cold, there is no difference between 10W-30 and 10W-40 oil. However when the engine is hot, the 10W-40 oil is thicker than the 10W-30. This is why single-grade oils are very bad. Straight 30 weight oil is way too thick when cold to properly lubricate the engine. The only way to use single weight oil is to have an oil pan heater to bring the oil up to operating temperature (about 140°F or 60°C) before the engine is ever started. If you simply must use it, this type of oil should only be used in race engines with pan heaters.

As far as what oil viscosity is best, it depends who you ask. The fact is that engine oil maintains its viscosity better than ever and synthetics maintain it the best. In my opinion, the best viscosity for all weather is 5W-30. The reason is that both 5W-30 and 10W-30 breakdown at about the same point. Lighter oil can get into places that the heavier oil cannot and will get there more quickly, even when cold, so why go heavier? The only reason would be leaks. If you have oil leaks, a heavy oil will go through them more slowly. That is why you can buy "No-Smoke", which is basically sludge to thicken your oil. If your engine is sealed well, feel free to try Mobil 1's 0W-30 oil. If that "0" really makes you nervous, stick with 5W-30. 10W-30 is unnecessarily thick when cold.

Sweet Mary Lou!



I started with Falcon's in 69 when I bought a new 1968 4 door sedan. [the \$1,000 a year State Farm wanted for insurance, plus surcharge on the 69 Torino COBRA fastback with a 428 super Cobra Jet engine or the 69 Plymouth G.T.X with a street hemi didn't seem to impress me with them] so we got the Falcon 289, 4 door Sedan. I drove it until 1981 and then sold it.

I drove several other Ford products and a couple of unnamed pieces of junk. In 1995 I was working at

Evergreen Air Center in Marana [a 225 mi. round trip every day]. The Honda [ugh] I drove – well, it couldn't take it so it died. I then drove my F-150, 460 powered super cab [it used a little more gas than the Honda, but was much more reliable].

One afternoon I saw the 1965 Falcon for sale at the corner of Arizona Avenue and Riggs Road with 44,000 actual miles. Hmm, I need to look into that. I called the owner, took a test drive and found out it was "grandma's" car. After "grandpa" passed away, "grandma" sold her 1965 Buick Estate Wagon for something smaller. Its body code is 54A with a factory radio block off, no cigar liter, and lights that don't come on when you open the door. It had the original 600x14 spare in the trunk and a set of Uniroyal Tiger Paws on the ground, the original owner's manual with information from a Ford dealer in Cody, Wyoming as the selling dealer when it was new. The clutch was marginal and the driver door didn't close properly, but the a/c would freeze you out and the little 200 six started fine and sounded very quiet. [Ah! no rods knocking or death rattles]. I made the deal -- \$1975.00 [close to new price]. The paperwork indicated the car was titled in Az in 1980 with 30,000 miles on it. What a find!!

So I took her home, pulled the brake drums and found some leaky wheel cylinders. I did a complete brake job [see article about silicone brake fluid in previous newsletter], did a quick tune up and put it on the road -- 22-24 miles to the gallon on 87 octane gas.

As years and miles racked up [now 137,000+], I have made some changes. I use Mallory dual points with an MSD CD box as I was changing stock points every couple of weeks. The shifting portion of the steering column gave out so I installed a C-4 transmission with a B&M cable shifter. A couple years back I topped off the a/c, amazing -- no leaks there.

The years as a daily driver have taken their toll, the upholstery is a little worn and the paint has a few chips, but she still starts every time and runs fine. I use a 1964 carb so I can have a manual choke which helps a lot in the summer. As there little room for a larger radiator with 200 six engine, I am restricted to a two core, but I have a separate cooler for the tranny so that heat isn't put into the cooling system. I had the windows tinted and installed a Kenwood am/fm/cass/cd player. No, I didn't cut the dash or door panels!

This car is without a doubt the most reliable car I have ever owned and there has never been a thought of selling it. We'll go to the crusher together.

Submitted by Paul Long

Editor's Note: Don't forget to start planning for our trip to San Ramon for the National Falcon Convention. Wendell and I have been to the one in Breckenridge, CO in 1998. It was a memorable experience which we still talk about. It was great fun, met many fine people with common interests and there was a great swap meet. Got lots of parts for our Falcons (and mostly at reasonable prices). We'll be there without our vehicle, but we don't want to miss going to this one as it is relatively close in distance to get there. Hope to see as many club members as possible there.

IN THE KNOW.....

Ford Engine Data

Here is a small resource for Ford V8 engine data that fit in Falcons. There are many repositories of similar data on the web. This is a quick reference. Also included are casting numbers and data for some engine parts that you may find useful. NOTE: Most of the info is only through 1974, with a few things to 78.

GENERAL ENGINE DATA

CID	Bore/Stroke	Year Mfg	Bore Spacing
221	3.5 x 2.87	62,63	4.38
260	3.8 x 2.87	62-65	4.38
289	4 x 2.87	63-68	4.38
302	4 x 3	68-	4.38

ENGINE DIMENSIONS

Engine	Width	Length	Height	Weight
221 255 260 289 302	24	29	27 1/2	460
Boss 302	24 1/2	29	28 1/2	500

CRANKSHAFT PART NUMBERS AND DATA (Base Part# 6303)

CID	Yr	ID	Stroke	Main	Rod	Material
221 260 289	62-68	C20Z C30Z 1M 1MA	2.87	2.2486	2.1232	Cast Iron
289HP	63-67	1M	2.87	2.4286	2.1232	High Nodular Iron, last counter-weight may be polished for hardness test. May have orange paint swatch
302	68-69	C8AZ-A 2M	3.00	2.2486	2.1232	Cast Iron
302	70-74	C8AZ-A 2M 2MA	3.00	2.2486	2.12322	
302	75-78	2M 2MA	3.00	2.2486	2.1232	
Boss 302	69-70	D0ZE-A 7FE-B	3.00	2.2486	2.1232	Forged steel, 69 is cross-drilled

CONNECTING ROD PART NUMBERS AND DATA (Base Part # 6200)

Part#	CID	Weight (grams)	Length	Bolt	Material
C20Z--A C3AZ--D	221/260 260/289	521-533	5.1545	5/16	Broached bolt seat
C9ZZ--B	289HP 302 Boss	581-593	5.1545	3/8	Spot Faced bolt seat
D10Z--A	302	557-569	5.090	5/16	"Standard Duty"

ENGINE BLOCK CASTING DATA (Basic Part # 6015)

Engine Block casting numbers and misc. data.
No guarantee of accuracy or completeness

CID	Year	Casting#	Bore	Deck	Notations
221	62	C2OE-G C3OE	3.50	8.206	5 bolt bellhousing, 6" between motor mount holes, 2 freeze plugs per side
221	63	C3OE-A	3.50	8.206	5 bolt bellhousing, 7" between motor mount holes, 3 freeze plugs per side
260	62	C3OE-B	3.80	8.206	5 bolt bellhousing, 6" between motor mount holes, 2 freeze plugs per side
260	62-65	C3OE-C C4OE-B C4OE-D C4OE-E	3.80	8.206	5 bolt bellhousing, 7" between motor mount holes, 3 freeze plugs per side
289	63-64	C3AE-N C4OE-C C4OE-F C4AE C4DE	4.00	8.206	5 bolt bellhousing
289	65-68	C5AE-E C5OE-A C6AE-C	4.00	8.206	6 bolt bellhousing
289HP	63-64	C3OE-B C4OE-B	4.00	8.206	5 bolt bellhousing, orange color code - block rear
289HP	65-68	C5AE-E	4.00	8.206	5 bolt bellhousing, orange color code - block rear
302	68-69	C8OE-A C8OE-B C8TE-B	4.00	8.206	6 bolt bellhousing
302	70-74	C8TE-B D1TZ-E D1OE-AA D4DE-AA	4.00	see note	6 bolt bellhousing. 73-76 deck is 8.229, rest are 8.206
302	74-77	D4DE-AA 75ZY-AA	4.00	see note	6 bolt bellhousing. 73-76 deck is 8.229, rest are 8.206
Boss 302	69	C9ZE C8FE	4.00	8.206	6 bolt bellhousing
Boss 302	70	CDOZE-B	4.00	8.206	6 bolt bellhousing

IN THE KNOW....

Ford Engine Data (continued)

CYLINDER HEAD CASTING DATA (BASIC PART # 6090)					
Cylinder head casting numbers and misc. data. No guarantee of accuracy or completeness					
CID	Year	Casting#	Chamber	Valves I/E	Notations
221	62-63	C2OE-A C2OE-B C2OE-C C2OE-D C2OE-E C3OE-A	45	1.59/1.39	
260	62-63 64	C2OE-F C3OE-B C4OE-B	54.5	1.59/1.39 1.67/1.45	
289	63-64	C3AE-F C3OE-E C3OE-F C4AE-C	54.5	1.67/1.45	
289	65-67	C5DE-B C6DE-G C6OE-C* C6OE-E* C6OE-M C7OE-A* C7OE-B* C7OE-C C7OE-B* C7ZE-A*	54.5	1.67/1.45	Rail rockers. *May be machined for air pump plumbing
289	68	C8OE-D* C8OE-L* C8OE-M*	63	1.67/1.45	Rail rockers. *May be machined for air pump plumbing
289HP	63	C3OE	49.2	1.67/1.45	Machined for screw-in studs
289HP	64-67	C4OE-B C5OE-A C5AE-E	54.5	1.78/1.45	
302	68-70	C8OE-F C7OE-C C7OE-G C8AE-J C8DE-F C8OE-J C8OE-M C8OE-K C8OE-L C9TE-C D0OE-B	53.5 63 58.2	1.78/1.45	
302	71-74	D1TZ-A D2OE-BA	58.2	1.78/1.45	
302	75-76	D5OE-GA D5OE-A3A D5OE-A3B	58.2	1.78/1.45	Internal air injection ports
Boss 302	69-70	C9ZE-A D0ZE-A D1ZE-A	63 58	2.23/1.71 2.19/1.71	

PART NUMBER DECODE		
Ford Part Numbers No guarantee of accuracy or completeness		
Section 1	Section 2	Suffix
DIZE	9424	C
<u>First Character</u> Year C=1960 D=1970 E=1980 F=1990 etc.	<u>Group Number</u> 1000-1999=Wheels/hubs/drums 2000-2099=Brakes 2001-2200=Brake shoe and lining 2100-2399=Brakes 2400-2999=Brake pedals/linkage	Engineering Revision Left/Right Color
<u>Second Character</u> Year in the	3000-3499=Front axle/ft. suspension 3500-3599=Steering gear 3600-3999=Steering Wheel/column	
<u>Third Character</u> Car line A=Full size/ Galaxy B=Bronco (70-75) C=Torino/Elite D=Falcon (60-69) F=Outside US G=Comet (61-68) Montego (69-76) H=Med./Heavy Truck J=Industrial L=Lincoln(58-60) M=Mercury O=Fairlane (62-68) Torino (69-76) R=Capri S=Thunderbird T=Truck U=Lincoln(61-up) V=Lincoln W=Cougar Z=Mustang HM=Holman-Moody	3A635=P/S kit 4000-4599=Rear axle 4600-4999=Driveshaft 5000-5199=Frame 5200-5299=Muffler 5300-5399=Front springs 5310=Spring chart 5400-5999=Stabilizers 6000-9999=Engine ID tag/pulley ID chart 6900-7999=Manual trans-exc. linkage 7000-7299=Manual trans linkage, etc 7300-7499=Manual trans linkage, etc 7500-7999=Clutch 7000-7999=Auto trans - exc. linkage 7000-7199=Auto trans linkage, cooling, etc 7200-7399=Auto trans linkage, etc 7400-7999=Auto trans linkage, etc 8000-8499=Radiator, grill, cooling 8500-8599=Water pump 8600-8999=Fan 8620=Drive belt chart 9000-9299=Fuel tank & lines 9300-9399=Fuel pump, gauge 9400-9499=Manifolds, t-stat, emission 9500-9599=Carburetor 9500-9999=Carb parts/lists 9600-9699=Air cleaner and related 9700-9999=Choke, accelerator, speed control 10300-10599=Alternator, pulleys, mounting	
<u>Forth Character</u> Series code A=Chassis B=Body E=Engine M=Motorsports X=Muscle Parts Y=Lincoln/ Mercury Z=Ford Parts & Service	10600-10999=Battery, instrument cluster 11000-11999=Starter, ignition, headlamp sw 12001-12999=Coil, distributor, plugs 13000-13999=Headlamps, parking ,turn ind.	
REALLY CLEVER SIGNS At a towing company: "We don't charge an arm and a leg. We want tows." At a car dealership: "The best way to get back on your feet - miss a car payment."		

NOTE: Please review **TECH TIPS** and **IN THE KNOW...** and determine for yourself if this information will fit your application. The editor, the FCAAZ and the submitter are not responsible for information within Tech Tips., or cut fingers, lost tools, head scratching, or dementia resulting from the use thereof. Read and use at your own risk . . . some tips are dangerous in the wrong hands, quite possibly **YOURS**.

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IN THE KNOW.....

Ford Stock Camshaft Specifications

Part No.	Spec. Catalog format for Application	Valve Lash		.050 Duration		SAE Duration		Cam Lift		Valve Lift	
		Intake	Exhaust	Intake	Exhaust	Intake	Exhaust	Intake	Exhaust	Intake	Exhaust
261	Prod. 6, 144-170	.016	.016	184	184	229	225	.240"	.239"	.360"	.358"
448	Prod. 6, 144-170-200	Hyd.	Hyd.	180	180	246	246	.233"	.233"	.350"	.350"
726	Prod. 6, 200-250	Hyd.	Hyd.	185	185	256	256	.244"	.244"	.366"	.366"
821	Prod. V8, 221-260	Hyd.	Hyd.	184	192	258	270	.238"	.247"	.381"	.395"
774	Prod. V8, 255-302	Hyd.	Hyd.	184	192	258	270	.238"	.247"	.381"	.395"
560	Prod. V8, 289-302	Hyd.	Hyd.	184	189	293	265	.233"	.238"	.368"	.381"
910	Prod. V8, 302	Hyd. Roller		184	192	264	274	.236"	.246"	.408"	.426"
911	Prod. V8, 302 H.O.	Hyd. Roller		210	211	298	282	.277"	.277"	.443"	.443"
794	Prod.V8, 302 H.O.-351W	Hyd.	Hyd.	197	209	280	293	.260"	.278"	.416"	.445"

Part No.	Spec. Catalog format for Application	Lobe Centers		VALVE EVENT TIMING @.050 LIFT				Lobe Spread (1 In. to 1 Ex.)	ADV. Duration	
				BTC	ABC	BBC	ATC			
		Intake	Exhaust	Int. Open	Int. Close	Exh. Open	Exh. Close		Intake	Exhaust
261	Prod. 6, 144-170	103	105	-13	17	17	-13	104		
448	Prod. 6, 144-170-200	123	90	-33	33	0	0	107		
726	Prod. 6, 200-250	112	103	-19	24	16	-11	108		
821	Prod. V8, 221-260	104	112	-12	16	28	-16	108		
774	Prod. V8, 255-302	104	112	-12	16	28	-16	108		
560	Prod. V8, 289-302	114	104	-22	26	17	-8	109	270	248
910	Prod. V8, 302	104	111	-12	16	27	-15	108		
911	Prod. V8, 302 H.O.	116	115	-11	41	40	-9	116		
794	Prod.V8, 302 H.O.-351W	114	114	-15	32	38	-9	114	265	265