

# M.S.R.A

MONTANA STREET ROD ASSOCIATION • 39TH YEAR

# NEWSLETTER

[WWW.MONTANASRA.ORG](http://WWW.MONTANASRA.ORG)

JANUARY, 2013

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## NEWSLETTER

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## BOARD OF DIRECTORS:

Steve Sorg - President  
Bob Degenhardt - Vice President  
Elizabeth Scholl - Treasure  
Ennie Stredwick - Secretary  
Fred Stradinger - Past President  
Dwight Wade - Past President  
Larry Hart - Member at Large  
Kelly Tribble - Business Sponsor Rep  
Tony Patrick - Member Club Rep

## NSRA MONTANA REPS:

Wayne Pallett - Eastern MT Rep  
Tony Patrick - Western MT Rep

## MONTANA SAFETY REP

Tommy Taylor

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## PREZ SEZ...

Fellow MSRA members and friends,

I don't know about you, but winter is when I seem to go to the parts house several times a week to get needed parts to complete my car building project(s). I try to do my buying from our MSRA Business Sponsors whenever possible. It is important to support those businesses that have supported the MSRA through their sponsorships. I urge each of you to do the same.

At our February meetings we have been asking business sponsors to open their doors on a Saturday so that our members can come by and meet them and see some of their work after our meeting concludes. We are doing that again this February 2. I hope you will join us for the meeting and the shop tour.

As always, please share your thoughts and ideas with us about MSRA.

See you on the road!  
Steve Sorg

## THE NEXT MEETING WILL BE HELD AT:

Hilton Homewood Suites Hotel  
1023 Baxter Lane • Bozeman, MT

Saturday, February 2, 2013 • 10:00 am

## NEW MEMBERS & IDEAS WELCOME

SEPTEMBER 15, 2012 LINCOLN, MT

Steve Sorg called the meeting to order at 10:30 a.m. at the Lambkins Restaurant in Lincoln, MT.

—

The reading of the minutes from the previous meeting was dispensed with as a motion to accept the minutes as printed in the newsletter was made by Tony Patrick and seconded by Larry Hart. Motion passed.

—

Elizabeth Scholl gave the Treasurer's report. As of September 14, membership stood at:

- Individuals & Families—66 compared to 68 at the same time last year
- Business Sponsorships—33 compared to 35 at the same time last year
- Car Clubs—8 compared to 7 at the same time last year

Elizabeth made a copy of the income and expense statement available for members in attendance to review. She also encouraged members to invite friends and business acquaintances to join MSRA.

A motion was made by Larry Hart and seconded by Marilyn Patrick to accept the Treasurer's report. Motion passed.

—

## Old Business

MSRA provided an award at five of our member car club rod runs this summer. The awards were given to:

- Debbie Hawe of Kalispell at the Havre show for her 1935 Ford
- Larry Mankins of Butte at the Helena show for his 1937 Plymouth

- Paul and Linda Villwock of Ennis at the Three Forks show for their 1972 Chevy pickup
- Bruce Keller of Kalispell at the Libby show for his 1955 Chevy pickup
- Bill and Linda Richards of Hamilton at the Butte show for their 1950 Chevy sedan delivery

Thanks to the HiLine Cruizin' Association, the Helen Valley Timing Association, the Headwaters Car Club, the Igniters Car Club, and the Pioneers Car Club for participating in this program. From all reports, it was a great success.

—

MSRA will provide two \$500 scholarships for the 2013 spring semester (from our 2012 budget and account). It was recommended that the scholarships be given to Montana Tech College of Technology, Butte for this year. A motion was made to do so, seconded, and passed.

## New Business

Steve Sorg presented his proposed MSRA budget for 2013 to the membership in attendance. After discussion, a motion was made by Tony Patrick and seconded by Marilyn Patrick to accept the budget as presented. Motion passed.

—

Effective January 1, 2013, MSRA will have a new Board of Directors that is in line with requirements of the IRS for our 501(c)(3) application and more representative of the groups involved with the MSRA. Your new Board of Directors members are:

### Current officers

- President, Steve Sorg
- Vice President, Bob Degenhardt
- Treasurer, Elizabeth Scholl
- Secretary, Ennie Stredwick

### Two past Presidents

- Dwight Wade
- Fred Stradinger

### Member at Large

- Larry Hart

### Business Sponsor Representative

- Kelly Tribble

### Member Club Representative

- Tony Patrick

—

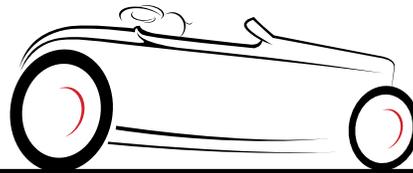
Nominations were made for the 2012 MSRA Rodder of the Year. The nominees are Debbie Hawe and Elizabeth Scholl. Additional nominations may be made via email (to Steve Sorg sorg1932@gmail.com), USPS mail, or in person at the February 2 meeting. Each person making a nomination should state why the person being nominated should be considered for the award. Voting will be by MSRA members in attendance at the February 2 meeting.

—

The next meeting will be in Bozeman, Saturday, February 2, 2013.

Meeting was adjourned at noon.

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- spline hubs/spline shafts
- part duplication on tracermill
- engraving with panto mill
- architectural & plumbing hardware

**"Pretty much any gizmo you can think of"**

1. Membership update as of 9/15/12
  - o Individuals and Family members: 66 (By the end of the year last year we had 68 individual and family memberships).
  - o Business Sponsorships: 33 paid and 3 honorary (By the end of the year last year we had 35 paid business sponsorships).
  - o Car Clubs: 8 (By the end of the year last year we had 7 car club members).

We welcome additional renewals and look forward to the recruiting of new memberships and sponsorships, providing continuing growth of MSRA. We request that you ask your friends and business acquaintances wishing to participate to hit our website and download the application AND FACT SHEET that are available on the site. We will continue to grow the value of MSRA to our members and will improve the delivery of high quality information and advocacy that is relevant to ensuring the success and sustainability of our favorite hobby!

2. Our experimental MSRA Scholarship Merchandise Program sales efforts this past car show season was successful. Until our application for 501 C (3) status is attained, we intentionally carried out a low-key experimental effort at five car shows. We sold an average 20 koozies each time we set up a table. Once we obtain the 501 C (3) status and are a tax free organization we can begin selling in earnest. We will purchase higher value merchandise items and set up a more visible booth at the shows. We had no objections by car show managers to our selling scholarship supporting goods.

Again, our goal in this program is to create a sustainable way to annually fund at least a \$500 scholarship to each of the six Montana tech colleges that offer automotive programs.

We will be looking for more volunteers to "man" the sales booth next summer. If you're interested, please let me know.

3. We have MSRA can Koozies, patches and drag plates available for sale. They can be purchased at the September meeting or by calling me.
4. The Income and Expense Statement for year-to-date 2012 is available at the September meeting for anyone wanting to review it. Also, the new Income and Expense Statement for year-to-date 2012 for our Scholarship Fund account is available at the September meeting.
5. I continue to encourage all members to give us their email addresses at renewal time and keep their email addresses up-to-date. Since we are using email to announce the posting of each newsletter to the website, we are saving printing and mailing cost for those members providing their email address. Email updates can be sent to [President@MontanaSRA.org](mailto:President@MontanaSRA.org).

Elizabeth Scholl, Treasurer  
406.579.2996 • [escholl@ecolibrum.com](mailto:escholl@ecolibrum.com)

The Montana Street Rod Association (MSRA) membership selects a person each year as the MSRA Rodder of the Year. Nominations are taken at the Fall meeting (usually in September) from those in attendance. This form provides all MSRA members the opportunity to nominate a member of MSRA for inclusion in the voting that takes place at the Winter meeting (usually in February). If you would like to nominate a current MSRA member for inclusion in the voting, please complete this form and mail it to the MSRA address at the bottom of the form. All completed forms that are received prior to the Winter meeting, will be brought to the next meeting and presented to those in attendance for their consideration in the voting.

Those nominated must have been a Montana Street Rod Association member during the last year.

I, \_\_\_\_\_, a current MSRA member, nominate

\_\_\_\_\_, a Montana Street Rod Association member for MSRA

Rodder of the Year.

Please provide a brief statement about your nominee: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Please mail this completed form to:  
  
MSRA Rodder of the Year Nomination  
P.O. Box 1423  
Bozeman, MT 59771-1423

If you are right handed, you will tend to chew your food on the right side of your mouth. If you are left handed, you will tend to chew your food on the left side of your mouth. To make half a kilo of honey, bees must collect nectar from over 2 million individual flowers.

Heroin is the brand name of morphine once marketed by “Bayer”.

Tourists visiting Iceland should know that tipping at a restaurant is considered an insult!

People in nudist colonies play volleyball more than any other sport.

Albert Einstein was offered the presidency of Israel in 1952 but he declined.

Astronauts can't belch – there is no gravity to separate liquid from gas in their stomachs.

Because of the speed at which Earth moves around the Sun, it is impossible for a solar eclipse to last more than 7 minutes and 58 seconds.

Google is actually the common name for a number with a million zeros.

It takes glass one million years to decompose, which means it never wears out and can be recycled an infinite amount of times!

Gold is the only metal that doesn't rust, even if it's buried in the ground for thousands of years.

Your tongue is the only muscle in your body that is attached at only one end.

If you stop getting thirsty, you need to drink more water. When a human body is dehydrated, its thirst mechanism shuts off.

The night of January 20 is “Saint Agnes's Eve”, which is regarded as a time when a young woman dreams of her future husband.

The Mona Lisa has no eyebrows. In the Renaissance era, it was fashion to shave them off!

Each year 2,000,000 smokers either quit smoking or die of tobacco-related diseases.

Zero is the only number that cannot be represented by Roman numerals.

*Nominations are being accepted for*

***“2012 STREET RODDER OF THE YEAR”***

### **SUGGESTIONS FOR NOMINATIONS:**

**An MSRA member, an active rodder who stands out because of contributions made to other rodders and rodding in general.**

**Please use the nomination form in this newsletter and mail it back to the address on the nomination form.**

**2012 STREET RODDER OF THE YEAR WILL BE DECIDED AT THE  
FEBRUARY 2013 MEETING.**

# RECOMMENDED EXHAUST TUBING SIZES

This information was supplied by Flowmaster. It's intended as a basic reference guide to give you an idea of the general exhaust-pipe size needed to balance the prevention of excessive backpressure while maintaining adequate exhaust-gas velocity.

Engine Displacement	H.P.	Pipe Diam, Single	Pipe Diam, Dual
150-200	100	2.0	2.0
	150	2.25	2.0
	200	2.5	2.0
200-250	150	2.25	2.0
	200	2.5	2.0
	250	2.5	2.25
250-300	200	2.5	2.0
	250	2.5	2.25
	300	3	2.5
300-350	250	3.0	2.25
	300	3.0	2.5
	350	3.5	2.5
350-400	300	3.0	2.5
	350	3.5	2.5
	400	4.0	3.0
400-450	350	3.5	2.5
	400	4.0	3.0
	450	4.0	3.0
450-500	400	4.5	3.5
	450	4.5	3.5

	500	4.5	3.5
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## Wire Size vs. Amperage

Wire Size:	Amperage:
8	35
10	25
12	20
14	15
16	7
18	5
20	3

## Applications of Wire

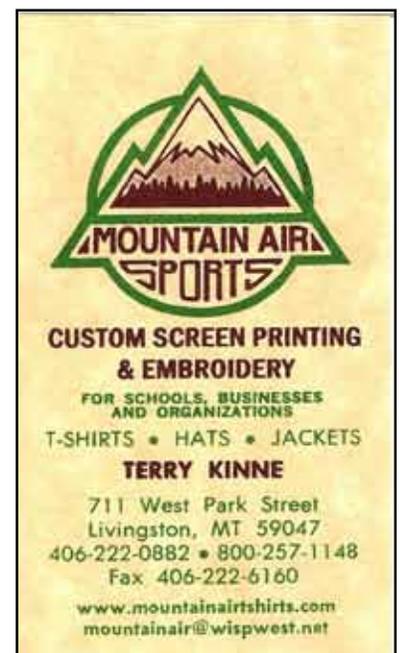
Wire Size 6-Volt	Wire Size 12-Volt	Item
8	10	Ampmeter gauge
8	10	Alternator or generator and regulator large terminals
12	14	Electric fuel pump
12	14	Alternator or generator and regulator small terminals
14	16	Gauges, fuel, oil, temperature
14	16	Ignition, distributor, coil
14	16	Directional signals, parking and tail lights, and radio
12	14	Headlights

## Plug-in Fuses (Type ATO)

Amperage:	Color:
3	Violet
5	Tan
7-12	Brown
10	Red
15	Lt. Blue
20	Yellow
25	Natural
30	Lt. Green

## Fuse Listing Guide

Use:	Amperage:
Radio	5
Lighter	20
Stop Lights	20
Gauges	5
Overdrive	30
Heater	20
Tail/Parking	20
Interior Lighting	20
Wipers	20
Accessory	20



## **What is Uninsured and Underinsured Motorist Liability & Uninsured Property Damage Coverage?**

### **WHO IS INSURED?**

1. Named Insured: You or any blood relative living in your household
2. Your passengers, if their own UM/UIM coverage has been exhausted

### **UNINSURED MOTORIST LIABILITY (UM):**

Uninsured motorist liability covers bodily injuries or death to you or your passengers that is caused by and AT-FAULT driver who is NOT insured. It also covers you, the insured, if you are involved in an accident with a hit-and-run driver. If you are involved in an accident where the other driver is AT-FAULT and does NOT have insurance, your policy will cover your injuries, medical expenses, lost wages and other expenses that the uninsured driver is found legally liable to pay. The limit on the policy refers to the maximum amount that will be paid per person, per incident.

### **UNDERINSURED MOTORIST LIABILITY (UIM):**

Similarly, UIM covers bodily injuries or death to you or your passengers that is caused by the negligence of a person without enough insurance to cover your injuries. If you are in an accident with an underinsured driver, their insurance policy will pay up to its liability limit, and your insurance will pay the difference, up to the limit of UIM liability on your policy. This limit refers to the maximum amount that will be paid per person, per incident.

### **UNINSURED MOTORIST PROPERTY DAMAGE (UMPD):**

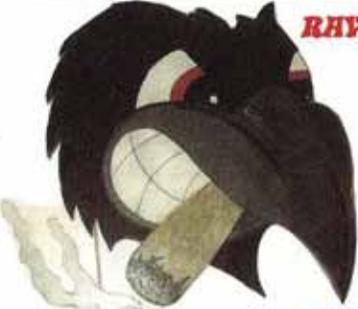
UMPD should not be considered a substitution for collision coverage. UMPD covers damage to any vehicles the insured operates and are involved in an accident that is caused by an uninsured AT-FAULT driver. This coverage pays under the same circumstances as UM; however, it does not cover the insured if they are in an accident with a hit-and-run driver.

### **IMPORTANT FOR COLLECTOR CAR OWNERS:**

Virtually all collector car policyholders also carry an auto policy on their every-day drivers. Remember that the definition of who is insured refers to PEOPLE, not the vehicles listed on a particular policy (i.e. your every-day or collector policy). Therefore, the UM/UIM limits you select for your policy for your every-day cars will transfer over to you when driving your collector car and vice-versa!

### WHAT TO DO IF YOU ARE HIT BY AN UN- OR UNDERINSURED DRIVER

- \*Call the police, even if the accident looks minor; obtaining a police report will be helpful in settling your claim because it helps distinguish who was at-fault.
- \*Get the other driver's contact information, including name, address and phone number, as you will be required to give this information to your insurance company.
- \*Make sure you write down the car's year, make, model and the license plate number.
- \*Report your claim to the insurance company ASAP.



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# NSRA ADDS NEW EVENT TO 2013 SCHEDULE

POSTED BY ASHLEY SMISSEN  
AUGUST 13, 2012 IN NEWS & EVENTS

**NSRA** has announced that it will add a new event to its roster for 2013. The NSRA Northwest Street Rod Nationals Plus will be held at the Clark County Event Center in Ridgefield, Washington, June 28–30, 2013.

The new event will mirror the existing NSRA events and will be open to street rods, classics, customs, street machines and muscle cars through 1983.

The event will have a 30-year sliding scale, resulting in an additional model year being added each year (i.e., in 2013 vehicles through 1983 will be eligible and in 2014 vehicles through 1984 will be eligible, etc.).

“The expansion of the NSRA schedule came from requests of the members who own these types of vehicles and have been clamoring for NSRA to produce events for these enthusiasts,” the association said in a recent press release.

In addition to the car display, the new event will also have commercial exhibits, an arts and crafts show, special vehicle displays, entertainment, and the Super Prize Program, which will be expanded to include this event and any event added in the future.

A complete schedule of events for 2013 will be released soon.



**Do you know someone that you can ask to be a sponsor? If so, they would get one of these plaques and each year they remain a sponsor, they will get the year sticker to put on this plaque.**

**Please send all news articles, classified ads, special interest articles, stories of trips you took, etc. to:**

**Barb Salerno  
1104 W. 13<sup>th</sup> St.  
Havre, MT 59501**

**Ph. (406)265-3163**

**Email: [gitgo@bresnan.net](mailto:gitgo@bresnan.net)**

# MURPHY'S OTHER 15 LAWS

1. Light travels faster than sound. This is why some people appear bright until you hear them speak.
2. A fine is a tax for doing wrong. A tax is a fine for doing well.
3. A day without sunshine is like, well, night.
4. Change is inevitable, except from a vending machine.
5. Those who live by the sword get shot by those who don't.
6. Nothing is foolproof to a sufficiently talented fool.
7. The 50-50-90 rule: Anytime you have a 50-50 chance of getting something right, there's a 90% probability you'll get it wrong.
8. It is said that if you line up all the cars in the world end-to-end, someone from California would be stupid enough to try to pass them.
9. If the shoe fits, get another one just like it.
10. The things that come to those who wait, may be the things left by those who got there first.
11. Give a man a fish and he will eat for a day. Teach a man to fish and he will sit in a boat all day drinking beer.
12. Flashlight: A case for holding dead batteries.
13. God gave you toes as a device for finding furniture in the dark.
14. When you go into court, you are putting yourself in the hands of twelve people who weren't smart enough to get out of jury duty.
15. He who laughs last, thinks slowest.



**Anna Craver**  
Customer Service Supervisor

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*Please send all news articles, classified ads, special interest articles, stories of trips you took, etc. to:*

**Barb Salerno**  
**1104 13<sup>th</sup> St. W.**  
**Havre, MT 59501**  
**Or**  
**Email: gitgo@bresnan.net**

The kind of humor I like is the thing that makes me laugh for five seconds and think for ten minutes.

Willaim Davis

**MONTANA STREET ROD ITEMS ARE NOW AVAILABLE:**

- PATCHES \$ 10.00
- CAN KOOZIES \$ 4.00
- PLAQUES \$ 25.00

To order, call Elizabeth Scholl  
 (406) 219-3202  
 Or  
 Email: escholl@ecolibrum.com

**SUPPORT THE BUSINESS SPONSORS THAT SUPPORT MONTANA STREET ROD ASSOCIATION**

**Decimal Equivalents of Common Fractions**

Fraction	Decimal Equivalent
1/32	.03125
1/16	.06250
3/32	.09375
1/8	.12500
5/32	.15625
3/16	.18750
7/32	.21875
1/4	.25000
9/32	.28125
5/16	.31250
11/32	.34375
3/8	.37500
13/32	.40625
7/16	.43750
15/32	.46875
1/2	.50000
17/32	.53125
9/16	.56250
19/32	.59375
5/8	.62500
21/32	.65625
11/16	.68750
23/32	.71875
3/4	.75000
25/32	.78125
13/16	.81250
27/32	.84375
7/8	.87500
29/32	.90625
15/16	.93750
31/32	.96875
1	1.00000



**UNITING GEAR HEADS YOUNG AND OLD  
HELP SUPPORT THE MONTANA STREET ROD  
ASSOCIATION**

## **SCHOLARSHIP PROGRAM**

### **PURCHASE MSRA MERCHANDISE!**

**Our goal is to create a sustainable way to annually fund at least a \$500 scholarship to each of the six Montana tech schools that offer automotive or related programs. All net proceeds from all sales will go directly to the scholarship fund.**

**The first items available for sale are can Koozies. Additional items, such as t-shirts, caps, etc. will be available soon – watch the MSRA web site for availability ([www.MontanaSRA.org](http://www.MontanaSRA.org))**

### **CAN KOOZIES -- \$4.00 each**

**Can Koozies will be available for purchase at all MSRA meetings. Also, they can be purchased from all MSRA officers. In addition, Koozies will be for sale at selected car shows during the upcoming summer season.**

**THANK YOU FOR SUPPORTING EDUCATION  
FOR MONTANA KIDS!!**



**Yellowstone Inn**  
*and Conference Center*

**6<sup>th</sup> ANNUAL WINDBREAKER SWAP MEET**

Livingston Montana

Hosted by the Livingston Wheels Motoring Club

**SATURDAY MARCH 9, 2013**

8am to 3pm

**BEST WESTERN YELLOWSTONE INN**

1313 West Park St. Livingston

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Early set up available March 8, 4pm-8pm

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406-222-5159 or [patty4041@wispwest.net](mailto:patty4041@wispwest.net)

Gil Schwarze

406-222-7586 or [buickgil@wispwest.net](mailto:buickgil@wispwest.net)

## GREETINGS FROM THE "NORTH" COUNTRY!



I just wanted to show off our latest in “yard art” up here in the north. This magnificent piece of art is now located in our front yard and plans to stay there the year round. It took 4 guys to lift it over the fence and put it in the yard. In case you are wondering, no we did not build this ourselves, but I wish we had.

This tree was actually made by Chuck’s former employer, Tilleman Motors, and donated to the Havre Boy’s & Girl’s Club for their annual Festival of Trees auction where they auction off various trees decorated and donated by businesses in the community to raise money for the club. Chuck donated some of the hubcaps on the tree and when the girls at Tilleman’s showed me the completed tree, I knew we had to have it. The rest is history. It has Christmas lights on it and flood lights under it and at night it is so cool when it lights up.

Happy New Year Everyone and we’ll see you in Bozeman! - Barb Salerno

Simply Designed

Ken Hackler  
406.570.1846  
305 Sanders Ave., Bozeman, MT

**PRIMER**  
studio

Brandon Mead  
bmeadstudio@gmail.com • Bozeman, MT

# SELECTING PROPER REAREND GEAR RATIO

A number of factors must be considered when selecting a rearend gear ratio (ring & pinion set). Tire diameter, transmission choice (with or without overdrive) and desired highway cruising speed.

Tire diameter is the first consideration because styling and available space within the wheel opening dictate the size of tire / wheel combination that will be chosen for the car. The choice of a direct-drive (1to1) or overdrive (usually 30%) transmission will determine driveshaft RPM at cruising speed. A highway cruising speed of 60-65 MPH is considered a good target speed.

Engine RPM at cruising speed should be maintained between 1800 to 2100 RPM. Lower RPM at cruising speed will produce a vibration that is often mistaken for driveshaft imbalance. This vibration is actually caused in a typical V8 engine by acceleration of the piston on a downward power stroke that is only cancelled out by other cylinders doing the same in rapid succession. This only occurs when the engine is revving in excess of 1800 RPM. This vibration isn't noticeable when the engine is idling or accelerating through the gears but is often misdiagnosed as a driveshaft out of balance or out of phase.

The proper rearend gear ratio can be selected using the following simple formulas whether using a direct-drive (1to1) or overdrive (usually 30%) transmission.

## FIGURING TIRE DIAMETER (Height)

FORMULA: Tire Size  $\div$  25.4 x Aspect Ratio x 2 + Wheel Diameter = Tire Diameter in Inches (Height)

EXAMPLE (285x70R15):  $285 \div 25.4 = 11.22 \times .70 = 7.8540 \times 2 = 15.70 + 15 = 30.70$

## FIGURING TIRE CIRCUMFERENCE

FORMULA: Pi (3.14159) x Tire Diameter = Circumference in Inches

EXAMPLE (285x70R15):  $3.14159 \times 30.70 = 96.446813$

## CONVERTING TIRE CIRCUMFERENCE TO REVOLUTIONS PER MILE

FORMULA: Tire Circumference in Inches  $\div$  12 = Tire Circumference in Feet

FORMULA: Number of Feet in a Mile  $\div$  Tire Circumference in Feet = Tire Revolutions Per Mile

EXAMPLE (285x70R15):  $96.446813 \div 12 = 8.0372344$

EXAMPLE (285x70R15):  $5280 \text{ Feet} \div 8.0372344 = 656.94239$

Below is a simpler formula used to figure tire revolutions per mile with an acceptable variation from the more exacting formula using tire circumference to figure tire revolutions per mile.

## FIGURING TIRE REVOLUTIONS PER MILE

FORMULA:  $20168 \div$  Tire Diameter = Tire Revolutions Per Mile

EXAMPLE (285x70R15):  $20168 \div 30.70 = 656.93811$

## FIGURING REAREND GEAR RATIO (Ring & Pinion)

FORMULA: Engine RPM @ Cruise  $\div$  Tire Revolutions Per Mile = Rearend Gear Ratio

EXAMPLE Without Overdrive:  $1800 \text{ RPM} \div 656.93811 = 2.73:1$

EXAMPLE Without Overdrive:  $2000 \text{ RPM} \div 656.93811 = 3.04:1$

EXAMPLE With Overdrive (30%):  $1800 \text{ RPM} \div 656.93811 = 2.73:1 \times 130 = 3.54:1$

EXAMPLE With Overdrive (30%):  $2000 \text{ RPM} \div 656.93811 = 3.04:1 \times 130 = 3.95:1$

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To find an electrical short; Put a circuit tester in series with the + battery cable. If there is a drain on the battery the tester will burn. Pop out fuses and disconnect circuits, when the tester goes out, you've found your short.

When you have a nut stuck in a socket, lay the socket on it's side and give it a good whack with a hammer. It aligns the flats on the nut and the socket, and the nut falls out.

When taking off hinge screws. weld a nut through the center of the nut, then use a wrench to remove the screw.

if you've got a sheet metal screw that's striped out like for a door panel or other interior trim screw, take a cotter pin and stick it in the hole. Leave one leg on the side of the sheet metal you can see and the other end through the hole. Keeps you from having to use some giant screw that won't match the others and it's a quick fix that works great.

In a pinch and need to paint wheels with the tires still on, take dish soap and wipe the tires down, let it set a bit. Paint the wheels...let paint dry...then wash off the soap and overspray.

When filling small holes with a mig welder hold a piece of COPPER on the back side and the weld will not stick to it and it makes it easier to fill the hole.....

When installing a fuel pump on a small block Chevy, smear axle grease on the pump rod and insert in the block. This will keep the rod from dropping out while you install the pump. The grease will dissolve in the oil.



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# RESISTANCE SPOT WELDING TIPS

**ALWAYS READ AND FOLLOW THE SAFETY PRECAUTIONS AND OPERATIONAL INSTRUCTIONS IN YOUR OWNER'S MANUAL**

1. Resistance welding is not recommended for aluminum, copper, or copper alloys. Use for steel and stainless steel only.
2. For more heat (amperage output), use shorter tongs.
3. For units without a heat control, tong length can be used for a control. For instance, for thin metals where you want less heat, longer tongs can be used.
4. Keep in mind that longer tongs can bend, and you may lose pressure at the weld.
5. For the metals being welded, make sure there is no gap between the pieces - this will weaken the weld.
6. Keep the alignment of the tongs straight, so that the tips touch each other exactly. Also, maintain a proper pressure adjustment - not too much or too little pressure.
7. When you need one side of the weld to have good appearance, you can flatten (machine) the tip somewhat on that side.
8. Clean the tips on a regular basis, or you will lose output (amperage). Dress the tips with a proper tip dresser.

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***ATTENTION!***

***ATTENTION!***

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**CALL EARLY AS BLOCK ON ROOMS EXPIRES MAY 28TH, 2013**

## AGENDA

June 7 5 pm-9 pm Registration & Eats  
June 9 9 am-1 pm Registration  
11 am-2 pm Show 'N Shine  
2 pm-4 pm Poker Run to Marden's  
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6 pm - ?? Pitch Fork Fondue, Awards  
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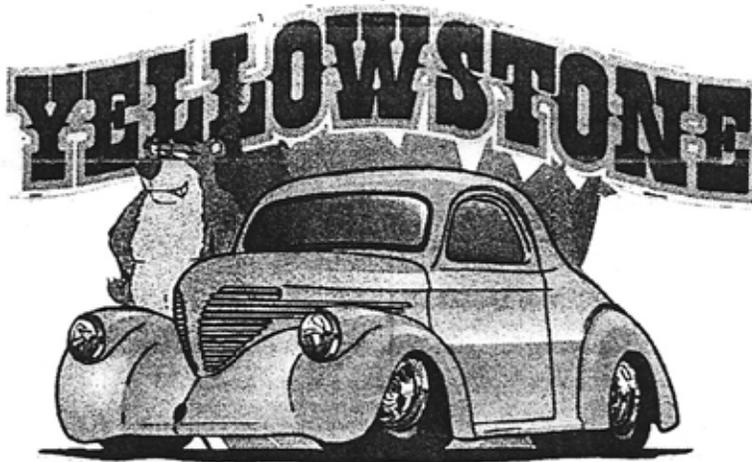
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