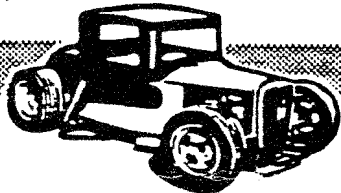


DWARFS



The Dwarf Car began with the idea of Ernie Adams and Darin Schmalz a few years ago. The association itself is just now taking off with many eager members ready to help anyone interested in a Dwarf Car, with advice, tips and technical information.

With the nostalgic look, as in early stock car racing, the cars 1928 to 1948 American vintage style coupes and sedans, are powered by any motorcycle engine. Cars are only 38" tall and can be chain, shaft or belt drive. The idea is to have a car, racing enthusiasts can still afford to build and be competed with. Many of the components can be bought, prefab from Ambrooke Motor Cars, Inc. in Prescott or if you prefer Allan Neff and his crew there, will build your favorite style car scaled down to Dwarf Car size.

THE DRIVERS, THEIR CARS, THEIR SPONSORS

CAR #	/ NAME /	TYPE OF CAR /	DRIVER /	CITY /	SPONSOR
00	"Sylvester"/34	Chev. Sedan/Gail Summers/Ams Oil/Phoenix			
03	"Woody Woodpecker"/32	Ford 3 Window Coupe/Jim Barker/Salvage Auto Parts/Phoenix			
2	"Road Runner"/33	Dodge Coupe/John Courtney Phoenix			
4	"Tasmainian Devil"/32	Chevy 5 Window Coupe/Dennis Martin/Chino Valley			
6		/39 Chevy Coupe/John Cain/Stohl's Beer/Tempe			
9	"Woody Woodpecker"/29	Ford Sedan/John Wilson/Prescott			
14	"Sleepy"/30	Ford 5 Window Coupe/Kim Henager/Prescott			
17	"Speedy Gonzales"/32	Chevy 5 Window Coupe/Daren Schmalz/Phoenix			
24	"Big Bad Wolf"/34	Ford Sedan/Ernest Adams/Mesa Drive Shaft/Phoenix			
29	"Fred Flintstone"/34	Chevy Sedan/Bob Dowe/Dial Rentals/Apache Jct.			
29X		/30 Ford Sedan/Ben Henegar/Prescott			
34	"Grumpy"/George	Meikle/Phoenix			
38	"Casper the Friendly Ghost/Ambrooke Motor Car Co./Dave "Spooky" Doty/Prescott				
40	"Snoopy"/30	Ford 5 Window Coupe/Richard Erickson/US Rents/Glendale			
49	"Yosemite Sam"/32	Chevy 5 Window Coupe/Allan Neff Ambrooke Metal Craft/Ambrookes Car Co./Prescott			
69	"Garfield"/40	Ford Coupe/Ron Christensen/Prescott			

77 "Grumpy"/32 Ford 5 Window Coupe/George Thompson/Prescott
Mr. "T"/32 Ford Vicki Sedan/Jerry Watson/Prescott

1984 RULES

BODY

- There will be only one class of cars.
- Car body will be of 1928 to 1948 vintage; coupe or sedan.
- No open cars such as roadsters or convertibles.
- Foreign makes, panels or pickups.
- Will be of all metal construction. No fiber glass.
- No fenders front or rear.
- Doors and windows must remain in stock appearance. Right and left doors must be operational. Right door only may be shortened maximum of 4" from the bottom up. For header c exhaust pipe only.
- Each car will have grill shell or simulated open radiator matching body style.
- Engine compartment must conform to original as to scale of body.
- No engine transmission assembly may extend to rear more than 21" from center of front axle, except separate transmission where transmission may be mounted in place of jackshaft, i.e. Harley.
- Front bumper no wider than 24" and should not extend more than 6" forward of front tires.
- Rear bumper no wider than 50" and should not exceed 6" from extreme rear body panel.
- No body shall be over 38" tall from bottom of outer edge to extreme top, including frame rail. No body shall be over 45" tall from ground up to extreme top.
- No body prior to 1940 including 1940 shall exceed 36" in width. No body 1941 or later shall exceed 38" in width.
- All bodies must have trunk lid or truck access panel as to conform to original body lines.

CLEAN APPEARANCE

- Front suspension must not exceed tire height or extend rearward past the most forward panel of the firewall, except under frame rail where it cannot be seen from either side. All steering mechanisms must have safety fasteners such as cotter pins or self locking nuts. No rear suspension shall be mounted or extend outside car's natural body lines, including frame rail. Kickouts must be mounted in front of the rear axle only. A maximum of 18" from axles to kickout. Also must be a three point mounting no more than 16" to center of both lower mounting points, and the upper mount no more than 18" above bottom of frame rail or lowest point. Kickouts must not extend out to either side past the tire tread.
- Exhaust and headers must be installed as not to distract from a stock appearing hood, with the exception of side panels.
- No glass of any kind will be permitted. A 1/2 inch square mesh windscreen is required.

FASTENERS

- Door latches, right and left sides must be a standard gate latch only, on all cars. Inside mount only.
- Hood and trunk access panels must be fastened securely by spring latch, bolt and nut, or dzus fasteners. (No self tapping screws)

NOISES

1. Motorcycles engines only.
2. Engine size is open, any modifications.
3. Engine must have all original parts operational, such as transmission and clutch.
4. Engine can be air or water cooled.
5. All engines must be front mounted in stock location for model of car.
6. No auxillary starters allowed.

DRIVE SYSTEM

7. Can be chain, shaft or belt drive.
8. Must drive rear wheels only.
9. Any chain, shaft, u joint, jackshaft, or fuel lines passing through drivers compartment must be enclosed with sufficient strength to protect driver in case of failure. All chain drive cars built after February 11, 1984 with primary chain in main compartment, must have safety guard with a minimum of 1/4" x 2" steel with two forward mounted braces, one on each side of primary chain.
10. Must be at least a single brake operating both rear wheels.

HEELS AND TIRES

1. Any type automotive wheel, steel or mag type.
2. 12" minimum, 13" maximum.
3. Street type tires only. With a maximum of 9" wide tread.
4. Can be grooved. No special racing tread, caps, or compounds.

HEEL BASE

5. Wheel base, on cars with a driveshaft or fixed rear axle position will be 73".
6. Minimum 72", maximum 75" on chain drive cars. Car bodies must be scaled to a 73" maximum wheel base.
7. Tread width may not exceed 58" measured from extreme outside edge of tire (Must be able to pass through a 58" opening).
8. The center of front and rear axle will be mounted in a line parallel to the center of the body from side to side.

FUEL

9. Only fuels allowed are gasoline, trick gas, and methanol (alcohol).

FUEL TANK

1. Fuel tank must be of metal construction or a fuel cell of proper and size and installation.
2. Non-fuel leaking cap is required. Cap must require at least one full turn to lock.
3. Tank must be vented in such a manner as to not leak fuel in any position.
4. Filler neck will have to be located to far opposite end from vent exit. Example:
 1. Fuel tank filler necks may not extend beyond either side of body line and must be mounted directly behind driver.
 2. Not to exceed 5 gallon capacity.
 3. Must have manual operated fuel shut off valve mounted on right hand side and can be easily operated by driver. "No remote controlled valves" Off position must be clearly marked and valve handle painted as to be seen easily.

ELECTRICAL

7. All batteries and fuel pumps must be rear mounted (truck area).
8. Batteries must be securely mounted with a top restraint (no rubber).
9. All cars must have one, and only one push pull switch being the master. It must be located to the extreme right hand side of all other

switches and on the right hand side of the dash. All other switches must be of another type such as toggle.

BALLAST

50. All ballast must be securely bolted or welded.

WEIGHT

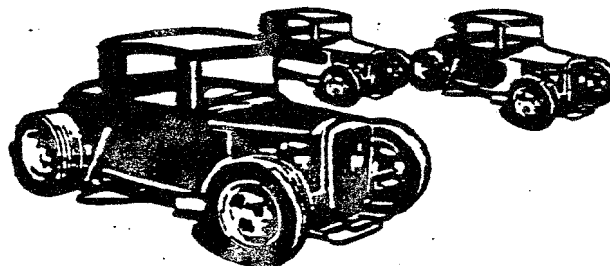
51. No car shall weigh under 900 pounds without driver. Note: Fuel and oil weight could be accepted.
52. No car shall have more than 500 pounds rear wheel weight after an event, without driver.

SAFETY

53. No sharp edges or protruding objects which could endanger driver.
54. A double strap shoulder harness and lap belt of 1 1/2" nylon or at least a D.O.T. approval with a single latch must be used.
55. Rear wheel hubs must have a positive means of attachment to prevent a rear wheel loss.

SEAT

56. The top back of drivers seat must be no more than 63" from center of front axle at 23" above frame rail.
57. Seat pan must be welded, not pop riveted.
58. Numbers must be in 3 places only. Right and left doors and trunk or rear access panel. Must be a minimum of 12" in height and the width must be approximately 2/3 of the height, except for #1. No Roman numerals and no letters will be used as numbers or with numbers.
59. All cars must carry a cartoon name and figure. Also each must carry the words "Dwarf Car".
60. All cars located within a 25 mile radius including suburbs of any major city will use their own number and name system. Example: car from Phoenix with cartoon name and number; car from Prescott with same number, different cartoon or same cartoon, different number.



Dwarf Car Assoc.

Information Center

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