

# BOMBER FIGURE-8 CAR CONSTRUCTION RULES

**Effective Nov. 19, 2002**

*The Bomber Figure-8 Class is for beginning drivers and is a rookie class for economy racing. All competitors are urged to use the Bomber Figure-8 Class as a stepping-stone to more professional forms of racing at the Indianapolis Speedrome. The emphasis of car construction is upon safety and economy. The Chief Steward reserves the right to ban any competitor due to racing experience at the Indianapolis Speedrome or elsewhere and may ban any driver who dominates the competition. The Chief Steward has final approval as to legality and/or interpretation of rules as applied to any Bomber Figure-8 car.*

**APPROVED CARS:** Must be at least 116" wheelbase. Figure-8 cars must be a "full perimeter" frame, factory-produced vehicle. No uni-body type cars allowed, i.e. Chrysler.

**CAR PREPARATION:** Must be stripped of dashboard, protrusions, upholstery and exterior body trim (door handles, mirrors, lights and glass except front windshield. All factory produced body parts, floorboards, trunk floor, inner wheel well, etc. must be intact and remain as original produced parts.

**ROLL CAGE CONSTRUCTION:** Vehicles can utilize rub-rails and nerf bars. Steel doorplate is required on driver's side roll cage area. Roll cage is mandatory for all Bomber Figure-8 Class cars and is available through various manufacturers, including Love Fabricating, Inc. The roll cage must be constructed as follows:

All roll cage bars are to be constructed of 1 3/4 inch round steel tubing with a wall thickness of .090 or better. The roll cage must have four equally spaced horizontal door bars on both right and left sides. The roll cage is constructed with a vertical hoop behind and above the driver's head that is welded to the frame rails at the bottom and to the left and right front roll cage legs by a roof hoop. The top cross bar of the rear vertical hoop and the side bars of the roof hoop must be located so the bottom side of those bars is higher than the top of the driver's head when seated in the car. The front legs should follow the contour of the side of the windshield and be welded to the frame rails. The rear vertical hoop must have a diagonal bar from top left to bottom right or top right to bottom left. A bar must connect the left and right of the rear vertical hoop at the seat height. This bar must be welded to the diagonal bar. A bar must connect the legs of the rear hoop at their base, or it is recommended that an "x" connect the left and right frame rails at the points where the front legs and rear hoop are connected. A bar must be installed across the dashboard connecting the left front roll cage leg to the right front roll cage leg. Rear support bars, left and right, must extend behind the top of the rear vertical hoop to the rear of the frame. The front leg and the rear hoop must be connected with four equally spaced horizontal door bars on the left side. The bottom door bar must be connected to the left frame rail by at least three angular bars equally spaced between the front leg and rear hoop of the roll cage. All door bars must be connected by at least three vertical bars equally spaced between the front leg and rear hoop. The roll cage must be welded with no gaps or holes at the welds, and key stress points must have steel gusset plates for reinforcement. A 1/4-inch plate welded to the cage must cover the left side of the roll cage. No bars ahead of front firewall. All bars which can be reached by driver should be padded with resilient materials, including the steering hub. The left side roll cage must be equipped with window net that is securely fastened at bottom and quick release on top rail.

*Note: Roll cage is to be constructed of 1 3/4 inch round steel tubing with a wall thickness of .090 or better.*

**DRIVER'S SEAT:** Intact factory bucket seat may be utilized; otherwise, same as Outlaw Stock Class, as follows:

Driver's seat must be a padded racing type seat with frame installed as shown in illustration B (Outlaw Stock Class Rules). The left side of the driver's seat must be at least 4 inches from any door bar and the seat must be mounted in front of the rear hoop of the roll cage. The driver's seat frame must be attached to the roll cage. The seat must not be mounted to the floor board of the car. If the seat does not extend up behind the driver's head, a steel plate of at least 8x8 inches covered by at least 2 inches of padding must be welded to the roll cage directly behind the driver's head.

**SEAT BELTS AND SHOULDER HARNESS:** Same as Outlaw Stock Class, installed as Outlaw Stock Class, as follows:

Use of an approved, racing-type, seat belt, shoulder harness and crotch strap mounted to the roll cage is required. All belts must be new or no more than three years old. See illustration C (Outlaw Stock Class Rules) for proper installation. The belts must be a minimum of three inches wide, (except for the crotch strap which must be a minimum of 2" wide), adjustable, unafraid, and undamaged, and connect in a single metal-to-metal quick release buckle. The belts must be mounted to make their length as short as possible. The seat belts should not pass over the sides of the seat but should pass through the seat at the bottom of each side. The seat belt must be mounted so it passes around the pelvic area at a point below the anterior superior iliac spines. Under no condition may the seat belts be worn over the area of the intestines and abdomen.

**WINDOW NET:** Same as Outlaw Stock Class, as follows:

Window net must be an approved racing fire resistant net or webbing must be installed on the left side driver's window. The net must cover the entire vertical opening and be at least 20 inches long. A quick release mounting as shown in illustration D (Outlaw Stock Class Rules) is required.

**SUSPENSION:** All suspension must be original factory items, installed and maintained to factory specifications.

**BUMPERS:** Factory bumpers are mandatory. Bumpers can make use of nerve bars on ends to prevent "hooking" another car. Bumpers can utilize vertical hoops.

**WINDSHIELD:** Factory-produced glass with 4 hold-down tabs on corners.

**FIREWALL:** All holes in factory firewall must be covered and closed off.

**SPOILERS:** Not allowed.

**NUMBERING:** 6" tall white windshield number on upper right-hand corner. Hand painted or professional numbers located on door panels must be at least 24" tall. Must be dark color on solid white background (no exceptions). Roof number must be on orange-colored Plexiglas or lexan placard of exactly 15" and painted in dark color. Absolutely, no free-hand spray painted numbers allowed except for initial inspection and participation in first race. Number must remain legible and visible for each competition. Car number is assigned at time of first car inspection. Numbers, 500 through 599, will be assigned until all are taken, then 600 through 699 will be assigned.

**DRIVE TRAIN:** Must remain as produced with only a 2-barrel carburetor. No made-for-racing parts allowed. No aluminum intakes, heads, block, etc.

**FUEL/FUEL PUMPS:** No electric fuel pumps other than factory produced "in factory" tank types. No fuel lines can run through interior of vehicle. Boat tanks are allowed in place of factory tanks if mounted securely with 2 solid steel straps to prevent dislodging.

**EXHAUST SYSTEM:** Must remain as factory spec. Must extend behind driver.

**BATTERY:** Must be placed in the engine compartment. Must be secured to prevent dislodging.

**TIRES:** Must be Brand Name, 75 Series, 14 or 15 inch, DOT-approved tire. Cars may use 195 / 205 / 225 75R Series tires. All tires must be same letter size with brand marking unaltered & legible. P235 tires, Off-Road and/or truck tires not allowed. Tires utilized previously in Indianapolis Speedrome Late Models (Pro-Stocks), Stocks and/or Modifieds, including, but not limited to: False Persuaders, Mohawk, General Tire Ameritech, Yokohama, not allowed.

**WHEELS:** Cannot exceed 8" width measured on inside bead. Wheels must be steel. All cars will be required to use large wheel studs with 1" lug nuts.

**RADIATOR:** Must be drained and free of anti-freeze. No exceptions.

**DRIVER ELIGIBILITY:** The Chief Steward reserves the right to ban any competitor due to racing experience at the Indianapolis Speedrome or elsewhere and may ban any driver who dominates the competition. Determination of eligibility by the Chief Steward is final.

**MISCELLANEOUS:**

No weight jacks allowed.

No competitive add-on type of racing equipment allowed.

Bomber Figure-8 cars are ineligible to compete against Roadrunner cars in "wild night" events. Chief Steward has final approval as to legality and/or interpretation of rules as applied to any Bomber Figure-8 car. Decision of Chief Steward is final.

**TROPHIES:**

Awarded to heat winners &

1st, 2nd, 3rd place finishers in Feature.

**PRIZE MONEY**

Finish	15-Lap Figure-8	20 Lap Figure 8 Purse*
First	\$75	\$150
2nd	\$50	\$75
3rd	\$40	\$40
4th	\$30	\$30
5th	\$25	\$25
6th	\$20	\$20
7th	\$15	\$15
8th	\$10	\$10
9th	\$5	\$10
10-18th	\$5	\$5

\* Based on 16 car field otherwise 15 lap race

"Join The Fun - Join The Craze" Log Onto

[www.speedrome.com](http://www.speedrome.com)

or at [speedromeindy@aol.com](mailto:speedromeindy@aol.com)



**IF YOU HAVE ANY QUESTIONS  
ABOUT THESE RULES,  
CALL THE SPEEDROME  
AT: 317-353-8206**

**SCHEDULE 2003**

March 1	Sat	Open Practice all divisions 11am-4pm
March 8	Sat	Open Practice all divisions 11am-4pm
March 15	Sat	Open Practice all divisions 11am-4pm
March 22	Sat	Open Practice all divisions 11am-4pm
March 29	Sat	Practice & Mandatory Registration All divisions 9am-5pm Number assignment by first come first in line
March 30	Sun	Rain Date Practice & Registration 9am-5pm
April 5	Sat	Practice & Registration All divisions 9am-5pm, Pit Spot drawing at 4pm to draw you must be present!
April 12	Sat	Open Practice & Registration all divisions 12-4pm
April 25	Fri	Supermodifieds, Outlaw Stock Oval & Figure 8, Roadrunners, Bomber Figure 8's 7pm
May 2	Fri	Supermodifieds, Outlaw Stock Oval & Figure 8, Roadrunners, Bomber Figure 8's 7pm
May 9	Fri	Supermodifieds, Outlaw Stocks Oval & Figure 8, Roadrunners, Bomber Figure 8's 7pm
May 16	Fri	Supermodifieds, Outlaw Stock Oval & Figure 8, Roadrunners, Bomber Figure 8's 7pm
May 23	Fri	Outlaw Stock oval, Late Model 35 lap Figure 8, Roadrunners, Bomber Figure 8's, Supermodifieds
May 30	Fri	Supermodifieds, Outlaw Stock Oval & Figure 8, Roadrunners, Bomber Figure 8's 7pm
June 6	Fri	Supermodifieds, Outlaw Stock Oval & Figure 8, Roadrunners, Bomber Figure 8's
June 13	Fri	Supermodifieds, Outlaw Stock Oval & Figure 8, Roadrunners, Bomber Figure 8's 7pm
June 20	Fri	Supermodifieds Outlaw Stock Oval & Figure 8, Roadrunners, Bomber Figure 8's 7pm
June 27	Fri	Supermodifieds, Outlaw Stock Oval & Figure 8, Roadrunners, Bomber Figure 8's 7pm
July 4	Fri	Supermodifieds, Outlaw Stock Oval & Figure 8, Roadrunners, Bomber Figure 8's
July 11	Fri	Supermodifieds, Outlaw Stock Oval & Figure 8, Roadrunners, Bomber Figure 8's 7pm
July 18	Fri	Supermodifieds, Outlaw Stock Oval & Figure 8, Roadrunners, Bomber Figure 8's 7pm
July 25	Fri	Supermodifieds, Outlaw Stock Oval & Figure 8, Roadrunners, Bomber Figure 8's
Aug 1	Fri	Outlaw Stocks, Late Model 35 lap Figure 8, Roadrunner, Bomber Figure 8's, Supermodifieds, 7pm
Aug 8	Fri	Supermodifieds, Outlaw Stock Oval & Figure 8, Roadrunners, Bomber Figure 8's 7pm
Aug 15	Fri	Kenny's Auto Sales Outlaw Stock twin 25 lap qualifying races, Supermodifieds, Bomber Figure 8's, Roadrunners
Aug 22	Fri	Supermodifieds, Outlaw Stock Oval & Figure 8, Roadrunners, Bomber Figure 8's 7pm
Aug 29	Fri	Championship night for Supermodifieds, Bomber Figure 8's, plus Outlaw Stock Oval & Figure 8, Roadrunners
Nov 8	Sat	Awards Banquet

\*Race dates and events subject to change

Revised

[www.speedrome.com](http://www.speedrome.com)

802 S. Kitley Ave. • Indianapolis,  
Indiana 46219 • (317) 353-8206