

# 2021 Downhill Cart Rules

## The Race date is July 17, 2021

Following are the rules for 2021; please read the rules carefully, if you have questions; please contact the following:

Contacts: Ron Kociba 989-479-3880

Jean Winkel 810-300-9294 or Al Kleinknecht 989-550-3503

1) \$10.00 entry fee per driver. Must be sent with registration form. No credit or debit cards. Make checks payable to: Harbor Beach & American Legion Cart Derby. DO NOT SEND CASH. You must register by July 10, 2021. Registrations postmarked after this date will not be accepted. Also Cart or driver changes cannot be made after this date.

2) Age groups:

- a) 8 years – 11 years (Young Racers)
- b) 12 years - 17 years (Junior Division)
- c) 18 years and older (Senior Division)
- d) Powder Puff Division: (women 18 years and older)

Only two drivers per cart per group

### **Specific class rules:**

Carts can be provided for Powder Puff and Young Racers divisions. Please contact one of the committee members to make arrangements for cart assignment. These arrangements for cart assignments must be completed before the registration deadline.

### **Cart numbers must be included on the registration form.**

Cart substitutions for Young Racers division will be allowed only in the event of a failure or safety problem with the original Cart. Cart Substitutions will not be allowed, once the Participant has begun racing in another Cart.

3) Safety:

- a) No alcoholic beverages in race area.

- b) All drivers must wear a seat belt. No ropes. Minimum requirement is a lap belt. A Shoulder harness is recommended.
- c) All drivers must wear a helmet. Bicycle helmets are a minimum requirement. No baseball helmets. You may wear goggles but they are not required.
- d) You must wear shoes, no shower clogs, or sandals. Your feet must be confined in your cart at all times.
- e) No protruding sharp objects allowed on carts.
- f) Carts will be inspected for conformity to rules before being allowed to race. This is a mandatory requirement. A parent, guardian, or car owner must be present for the inspection of the carts.
- g) Any driver that flagrantly crosses the center line, or contacts another cart will be disqualified. This applies for the full course before and after the finish line. Additionally; any contact with the timing system will disqualify the driver.
- h) **Leaning back far enough to raise wheels off of the ground will not be allowed. This will be grounds for disqualification**

4) Materials, weights and size limits:

- a) Wood, cardboard, plastic, fabric or fiberglass, and rubber bodies only, no sheet metal. Fasteners, brackets, and axles should be metal. Nails are not recommended but are not prohibited. Screws are recommended to fasten body parts. Nuts and bolts are recommended to fasten axles and brackets.
- b) All carts must have an eye bolt front and rear for towing. A threaded eye and nut design are recommended. The eyebolt must be sufficient to support cart and driver on the starting ramp, as well as towing and lifting of the cart.
- c) Currently there is no weight limit for cart or driver, for carts previously approved; however, new carts are expected to weigh a maximum of 150 Lbs. please consider this when constructing new carts.
- d) No added weight allowed in or on carts, wheels may be balanced with up to one ounce of weight per wheel.
- e) Dimensions of the cart can be no more than 36 inches wide, and not more than 72 inches long. Maximum floor pan height cannot be more than 14 inches.
- f) At least one set of wheels must have a minimum track width of 24 inches. Carts from previous years, not meeting (d) or (e) will be allowed to race provided they were deemed safe to race in previous years.
- g) No riding lawnmower or go kart chassis

- h) The starting ramp angle is 17 degrees, please keep this in mind when building your cart
- 5) Carts must be propelled by gravity only. Motors, or any mechanical, electrical or manual assist are not allowed...
- 6) Carts must be of 4-wheel design only. All wheels must contact the ground.
- 7) Brakes
- a) All carts must have a working brake, preferably on two wheels but only a single wheel brake is required. Tire scrub brake is the simplest design. Caliper brakes are not recommended however, they are not prohibited. A brake hand lever or brake pedal may be used.
  - b) Ground dragging scrub brakes are not allowed.
  - c) At least one hand must be on steering wheel at all times.
- 8) Tires and Wheels:
- a) Tire and wheel must not exceed 20-inch diameter.
  - b) All tires must have a visible tread design unless the wheels are of the type used on "American Soap Box Derby" cars.
  - c) No wooden or steel tires. Lawnmower or bicycle tires are a good choice.
  - d) No added weight to tires or wheels, except wheels may be balanced with one ounce per wheel.
  - e) You may use ball bearings, roller bearings, nylon or composite bushings, including sintered bushings (oil impregnated)
  - f) Recommended maximum tire pressure for your specific tires should be observed.
- 9) Steering:
- a) You must use a steering wheel or a tiller. Pulley and steel cables or tie rod steering are preferable.
  - b) No rope steering allowed.
  - c) Hand pulled or foot steering is not allowed.
  - d) Turning angle is limited to 10 degrees in each direction from center. Stops should be used to prevent over steering.
  - e) The wheels must not contact the car body at maximum steering angle.
  - f) Driver's feet must remain in cart at all times.

- g) Any eye bolts used in steering must be of nut and thread design. Wood screw type eyebolts are not allowed.
  - h) Steering system must be precise, steering systems must be tight enough to prevent "wandering" of the cart while steering. The steering system will be an area of emphasis during the cart inspection.
- 10) No working on carts once they are in the staging area. (Top of the hill) You may work on your cart in the pit area only if racing has not begun for your group. Once racing begins for your group, carts cannot be worked on without the approval of the safety officials. (Bob Winkel or Tim Robinson) Any work can be for safety reasons only.
- 11) Race officials have final say in disputes.
- 12) A cart may win only one trophy per group. If a cart has two drivers and both drivers are in the final race then a timed runoff, will be used to determine the 1<sup>st</sup> place winner. The loser of this timed runoff is eliminated at this time from winning a trophy. The losers from the previous round that were beaten by this cart will then race for 2<sup>nd</sup> and 3<sup>rd</sup> place. This rule may be confusing to some, if further explanation is needed please call one of the contacts listed above.
- 13) Please note the requirement that drivers in the Junior and Young racer divisions must demonstrate to a parent or guardian that they can safely drive the Cart.

Additional information and forms may be obtained at:

[www.harborbeachchamber.com/cart](http://www.harborbeachchamber.com/cart)

The Facebook page is: Harbor Beach and American Legion Cart Derby

# July 17, 2021 Senior Division

## Harbor Beach and American Legion Cart Derby Registration Form for Adults, (Senior division 18 years and older)

Contacts:     Jean Winkel                                     or     Al Kleinknecht  
                  7496 Sand Beach Rd                                 521 Bartlett Street  
                  Harbor Beach, MI 48441                            Harbor Beach, MI 48441  
                  810-300-9294     989-550-3503

Each driver must pay a \$10.00 registration fee. No credit or debit cards.

A single car may have multiple drivers but only two drivers per group.  
Registration must be complete by July 10, 2021. No refunds after this date.  
Registrations postmarked after July 10, 2021 will not be accepted.  
Cart numbers or driver changes cannot be accepted after this date.

Please do not send cash.

Make checks payable to: Harbor Beach and American Legion Cart Derby.

You will receive acknowledgement of registration and cart number.

Name of Participant: \_\_\_\_\_ email address \_\_\_\_\_

Phone: (Include Area Code) \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

If known, please list identifying information on your cart (color, name, and/or number).

Cart Number \_\_\_\_\_ Cart Name \_\_\_\_\_ Color \_\_\_\_\_

Please check each box as you have reviewed the information:

I have read the rules and regulations of the derby and agree to comply. (Please read the rules carefully, if your cart is in violation, it could be disqualified.)

My cart has been constructed as outlined (has working steering and brakes) and is considered to be eligible to drive.

I agree to conduct myself appropriately, demonstrating good sportsmanship and refraining from inappropriate conduct.

I am 18 years or older and I agree that I will not hold the City of Harbor Beach, city employees, The American Legion, or its members responsible if an accident occur.

Signature of Driver (18 or older) \_\_\_\_\_

July 17, 2021 Junior and Young Racers

## Harbor Beach and American Legion Cart Derby

### Registration Form for Minors (under 18 years)

Contact: Jean Winkel or Al Kleinknecht  
7496 Sand Beach Rd. 521 Bartlett St.  
Harbor Beach, MI 48441 Harbor Beach, MI 48441  
810-300-9294 989-551-3503

Each driver must pay a \$10.00 registration fee. No credit or debit cards.

**A single car may have multiple drivers but only two drivers per group.**

Registration must be complete by July 10, 2021. No refunds after this date.

Registrations postmarked after July 10, 2021 will not be accepted. Cart numbers or driver changes cannot be accepted after this date.

Please do not send cash.

Make checks payable to: Harbor Beach and American Legion Cart Derby. You will receive acknowledgement of registration and cart number.

I give permission to my son or daughter to participate in the Cart Derby and will not hold the City of Harbor Beach, city employees, The American Legion or its members Responsible, should an accident occur.

Signature of Parent or Guardian \_\_\_\_\_

Name of Participant: \_\_\_\_\_ Age: \_\_\_\_\_

Phone: (Include Area Code) \_\_\_\_\_

Address: \_\_\_\_\_ City: \_\_\_\_\_

State: \_\_\_\_\_ Zip: \_\_\_\_\_ email address \_\_\_\_\_

If known, please list identifying information on your cart

Cart Number \_\_\_\_\_ Cart Name \_\_\_\_\_ Color \_\_\_\_\_

Please check each box as you have reviewed the information:

I have demonstrated to my parents or guardians that I am capable of operating my cart safely.

I have read the rules and regulations of the Derby and agree to comply. (Please read the rules carefully. If your cart is in violation, it could be disqualified.)

My cart has been constructed as outlined. (Has working steering and brakes), and is considered to be eligible to drive.

I agree to conduct myself appropriately demonstrating good sportsmanship and refraining from inappropriate conduct.

Signature of Minor \_\_\_\_\_

(This form is to be used for both age groups Young Racers, 8 through 11 years, and Juniors, 12 through 17 year

# July 17, 2021 Powder Puff --Women over 18 years

## Harbor Beach and American Legion Cart Derby

Contact:      Jean Winkel                              or      Al Kleinknecht  
                    7496 Sand Beach Rd.                              521 Bartlett Street.  
                    Harbor Beach, MI 48441                              Harbor Beach, MI 48441  
                    810-300-9294    989-551-3503

Each driver must pay a \$10.00 registration fee. No credit or debit cards

A cart may have multiple drivers but, no more than two per group. You must register on or before July 10, 2021. No refunds after this date. Registrations postmarked after July 10, 2021, will not be accepted. Cart number or driver changes cannot be accepted after this date.

Please do not send cash.

Make checks payable to: Harbor Beach and American Legion Cart Derby

You will receive acknowledgement of registration and a cart number if you don't have a number from last year.

Name of Participant: \_\_\_\_\_ email address \_\_\_\_\_

Phone: (Include Area Code) \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

If known, please list identifying information on your cart (color, name, and/or number).

Cart Number \_\_\_\_\_ Cart Name \_\_\_\_\_ Color \_\_\_\_\_

Please check each box as you have reviewed the information:

I have read the rules and regulations of the derby and agree to comply. (Please read the rules carefully, any violation of the rules could disqualify your cart)

My cart has been constructed as outlined (has working brakes and steering) and is considered safe and eligible to drive according to the rules

I agree to conduct myself appropriately demonstrating good sportsmanship and refraining from inappropriate conduct

I am 18 yrs. or older and agree that I will not hold the City of Harbor Beach, city employees, The American Legion, or its members responsible if an accident occurs.

Signature of driver \_\_\_\_\_ (18 and older)