

VALVE COVER RACES

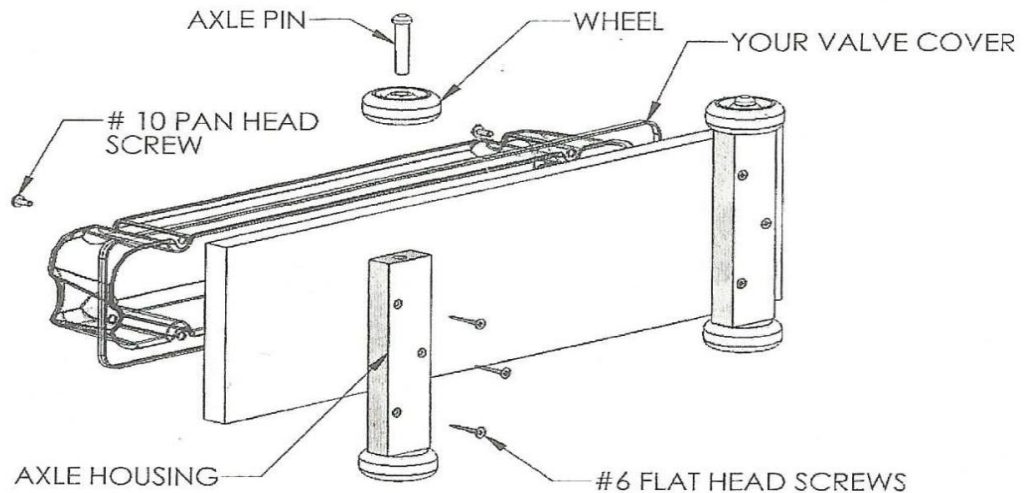
RULES

- There are Classes for Men, Women, Chapters, and Youths under 18 (Boys & Girls).
- Only use Valve Covers from Falcon engines. Falcon Engines are 144, 170, 200 (six cylinder); 260, 289 and 302 (eight cylinder).
- **Construction kits will be provided at the event.** If you constructed yours at home, then you **must** meet the kit specifications described below. This way everyone is on a level playing field. All Assemblies are subject to approval by the Race Official.
- Valve covers can be decorated by painting. You can also paint the platform if you want, but you cannot paint the pin axles or the wheels. You may also use decals or vinyl lettering for decorations.
- No added weight to the racer is allowed. The only added item to attach as a part is an oil cap.

KIT SPECIFICATIONS

- *One board ($\frac{3}{4}$ " ponderosa pine 5 1/2 "wide by 26 $\frac{1}{2}$ " long for six cylinders, or 20 $\frac{1}{2}$ " for eight cylinders). You can use four count of $\frac{1}{2}$ " or $\frac{3}{4}$ " drywall or pan head screws to attach the valve cover to the board.*
- *Two boards to serve as axle housings ($\frac{3}{4}$ " X 1 1/2" X 6" in ponderosa pine) that will screw into the bottom of the platform with 4-6 count of 1 $\frac{1}{4}$ " drywall screws.*
- *Two straight axles housings placed at least 1 $\frac{1}{2}$ " in from each end of the board, but not more than 3". The wooden axles will need $\frac{1}{4}$ " or 5/16" holes drilled in the center of each end of the axle housing to receive the wooden 11/32" diameter x 1.625" length Axle Pins that will fit tight into the holes, but allow the 2" wooden wheels with 3/8" holes to roll freely.*
- *Four 2" wooden wheels with 3/8" holes---The wheels and pin axles can be found at on line or at craft stores like Hobby Lobby or Michaels. You can purchase the lumber and some hardware at your local building supply.*

Valve Cover Racer Assembly



Parts supplied:

- 4 each - Wheels (2" non-treaded Wood wheel with 3/8 hole)
- 4 each - Axle pins (Wood pin with 11/32" diameter and and 1.625" length)
- 2 each - Axles Housing (3/4" x 1 1/2" x 6")
- 1 each - Valve cover board (20 inch long for V8 or 26 inch long for 6 Cylinder)
- 6 each - #6 x 1-1/4 long Wall Board Screws
- 4 each - #10 x 1/2 long Wood Screws.

Assembly Instructions:

1. Assemble Wheels to Axies Housing using Axle Pins. The Pin should Press into the Axle Housing.
2. Attach wheel assy to either end of the value cover mounting board with #6 x 1-1/4 long screw - 3 on each axle. (Use 20 inch long board for a V8 valve cover or 26 inch long board for a 6 Cylinder Valve Cover)
3. Attach Valve Cover to long board using 4 - #10 x 1/2 long screws