

# Virginia H&R Hardbody Series

General rules for all classes (check each class rule for any exceptions)

- All classes are to use H&R chassis CH02 with HR502 side pans **ONLY**. **NO** modifications to chassis allowed except where noted in each class. This to include **NO** additional braces, brackets or supports of any kind allowed.
- All screws must be present and tight at all times. Replacement hardware of same design and size can be used, **NO** altering bolt holes.
- Must have .047 clearance **ALL** around, measured under front axle, rear axle and both side pans.
- May glue or solder bushings to chassis.
- May glue or solder motor in stock location to chassis.
- Any brand guide flag, braid, nut, lead wires, gears, weight, 1/8" solid steel axle and 1/4" axle bushing **MUST** be used. **NO BALL BEARINGS!!**
- Tires must be PROTRACK PRON320 or PRON329/330 natural rubber. White letters must be present and legible on front and rear except in Modified Stockers, only rears need to be legible. **NO** tire coating except you can apply coating on **SIDE WALL ONLY** to protect letters.
- Width will be 3.25" maximum in all classes.
- **NO** offsetting the tires, must be equal spacing on each side.
- Any weight applied to side pans **CANNOT** extend past dimensions of side pans. **LEAD WEIGHT ONLY!!**
- **NO** additional air controlled devices can be added.
- **NO** body modifications to allow air to go through, i.e., cutting or grinding holes or reliefs.
- Must use parts that come in the kit, meaning **NO** making of your own parts, except for if the spoiler is broken or lost, replacement must be same as original in all dimensions and placed in original spot. Must be lexan or plastic styrene.
- Must have 3 realistic size numbers on body. Must run 3D interior and chassis should not be visible. Only 2 numbers required on Modified Stockers.
- Where glass is used, it must be attached in its stock location with **NO** modifications, i.e., **NO** relief cuts or holes.
- **NO CAN MODIFICATIONS!!**
- **NO OFF SETTING THE BODIES!!**

**IF NOT LISTED, THEN IT'S NOT LEGAL!!**

# PRO CUP

## MOTOR-

- JK Hawk 25, **LONG SHAFT ONLY**, (30,500 RPM limit).
- Can cut shaft on **PINION SIDE ONLY**.
- **NO** can modification, can will be measured.

## GEAR-

- 9 tooth pinion (straight or angled).
- Any crown gear.
- 48 pitch **ONLY**.
- **NO** modification to gears allowed, except trimming allen screw on crown gear.

## BODY-

- 1 of 3 JR Salvinos 1/24 NASCAR body **ONLY** (Camaro, Mustang or Camry).
- Can shave bottom of body but must maintains overall height.
- Must not be lower than 1 7/8", measured with body sitting on tech block to tallest part of roof in the center.
- Must **NOT** cut fender wells.
- Front and rear glass from kit is required.
- Side glass from kit is optional.
- Must finish race with front and rear glass.
- Driver side air fin is optional.
- **NO** other body modifications.
- **NO OFF SETTING THE BODY!!**

## WEIGHT-

- Can add lead weight **ONLY**.
- Body 40 grams, overall 185 grams minimum.

## TIRES-

- No minimum size.
- Can cut tires to width of rim.
- White letters must be present and legible, front and rear.
- Tires must **NOT** be visible when looking from above

## ONLY MODIFICATIONS ALLOWED-

- May solder a 3/16" maximum tube between the front uprights aligned with axle holes.
- May solder 1/8" top hat (axle spacer) to front holes of chassis where axle goes through.
- Independent fronts allowed with **ONE** wheel locked to axle and **NO** soldering axle to chassis.
- May float rear axle, 1/4" oilites **ONLY**.
- Tires may be cut to width of rims.

# TRUCKS

## MOTOR-

- JK Hawk 25, **LONG SHAFT ONLY**, (30,500 RPM limit).
- Can cut shaft on **PINION SIDE ONLY**.
- **NO** can modification, can will be measured.

## GEAR-

- 9 tooth pinion (straight or angled).
- Any crown gear.
- 48 pitch **ONLY**.
- **NO** modification to gears allowed, except trimming allen screw on crown gear.

## BODY-

- Any plastic NASCAR TRUCK body, 1/25 or 1/24.
- Can shave bottom, but must maintain overall height.
- Must not be lower than 2 3/16" measured with body sitting on tech block to tallest part of roof in the center.
- Must use parts that come in kit, including spoiler.
- Must **NOT** cut fender wells.
- **NO** body modification except where noted.
- Front and rear glass from kit is required.
- Side glass from kit is optional.
- Must finish race with front and rear glass.
- **NO OFF SETTING THE BODY!!**

## WEIGHT-

- Can add lead weight **ONLY**.
- Body 40 grams, overall 200 grams minimum.

## TIRES-

- No minimum size.
- Can cut tires to width of rim.
- May be visible from above, 1/16" to 1/8".
- White letters must be present and legible, front and rear.

## ONLY MODIFICATIONS ALLOWED-

- May solder a 3/16" maximum tube between the front uprights aligned with axle holes.
- May solder 1/8" top hat (axle spacer) to front holes of chassis where axle goes through.
- Independent fronts allowed with **ONE** wheel locked to axle and **NO** soldering axle to chassis.
- May float rear axle, 1/4" oilites **ONLY**.
- Tires may be cut to width of rims.

# GRAND NATIONAL

## MOTOR-

- Mid-America E25, no RPM limit.
- Can cut shaft on **PINION SIDE ONLY**.

## GEAR-

- 9 tooth pinion (straight or angled).
- 31 tooth crown gear (**NO** angles gears).
- 48 pitch **ONLY**.
- **NO** modification to gears allowed, except trimming allen screw on crown gear.

## BODY-

- Any 1/24 plastic NASCAR body between the years 1983 to 1987.
- No body height, but **MUST NOT** cut fender wells.
- Front and rear glass from kit is required.
- Side glass from kit is optional.
- Must finish race with front and rear glass.
- **NO OFF SETTING THE BODY!!**

## WEIGHT-

- Can add lead weight **ONLY**.
- Body 40 grams minimum, overall 200 grams minimum.

## TIRES-

- Due to the variety and years of bodies available for this class, there will be instances where the tires could be visible when looking down on the car, 1/8' maximum. Tech person will make call if acceptable.
- Can cut tires to width of rim.
- White letter must be present and legible.
- **NO** independent front wheels. Front wheels must remain locked in place at all times.

## ONLY MODIFICATIONS ALLOWED-

- Can float rear axle, must use 1/4" oiliets **ONLY**.

# MODIFIED STOCKERS

## MOTOR-

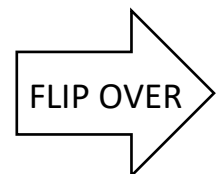
- Mid-America E25, no RPM limit.
- Can cut shaft on **PINION SIDE ONLY**.
- **NO** can modifications.

## GEAR-

- 9 tooth **STRAIGHT** pinion (**NO** angle pinions).
- 31 tooth crown gear (**NO** angles gears).
- 48 pitch **ONLY**.
- **NO** modification to gears allowed, except trimming allen screw on crown gear.

## BODY-

- Must be from AMT Modified Stocker, Chrysler "Kit Car" or MPC Super Stocker model kits. The body must be ran as it is supplied with the kit. The **ONLY** exceptions are as follows:
  - Trimming of the front bumper to allow clearance for the guide flag.
  - No rear glass required; front glass must be whatever is supplied with the kit.
  - Grill opens may be blocked off with styrene or a mesh material.
  - Bracing of fender and quarter panels allowed (ex. Cutting piece of parts tree and gluing in fenders to strengthen body) Tech inspector can reject any bracing that is deemed to be a performance advantage vs. bracing for body durability.
  - Model kit "nerf" and bumper bars optional.
  - Modified Stocker '69 Falcon, '69 Torino and Buick bodies may have the fender wells trimmed. 1/8" measured from the top of the fender/quarter panel to the top of the wheel arch to accommodate body mounting and tire clearance to match other legal bodies. This is done at builder discretion as it will weaken the body. This will be checked in tech and is up to tech inspector if trimming is excessive.
- No body height.
- Only 2 numbers required, if only running 2 numbers, must be placed on doors.
- **NO OFF SETTING THE BODY!!**



- **LEGAL BODIES-**

- AMT Modified Stockers
  - '65 Chevelle
  - '66 Impala
  - '65 Fairlane
  - '65 Galaxie
  - '69 Torino Cobra
  - '69 Falcon
  - '65 Olds 88
  - '66 Buick Skylark
  - '65 GTO
- MPC Super Stocker
  - Pontiac GTO
  - Monte Carlo
  - Chevelle
- AMT Chrysler "Kit Car"
  - Duster
  - Dart

**WEIGHT-**

- Can add lead weight **ONLY**.
- Body 40 grams minimum, overall 200 grams minimum.

**TIRES-**

- Front and rear tires must be Daytona PROTRACK PRON320 rears.
- Front may be trimmed to the inner edge of the hub width wise.
- Rears must remain stock width.

**ONLY MODIFICATIONS ALLOWED-**

- **ONE** bushing hole of builder's choice may be opened up to square up axle.

**NOT ALLOWED-**

- Adjustable rear oilites **NOT** allowed.
- **NO** independent front wheels. Front wheels must remain locked in place at all times.