



2014 *Racing Rules*

GENERAL Rules

- 1) The maximum width of any car is 1-5/16 inches (1.3125").
- 2) The maximum allowable lateral movement of the front axle is 1/32 inch.
- 3) After qualifying, and during the race, any part of the car may be replaced except for the body, chassis, and magnets.
- 4) The body must be painted and must cover the chassis when viewed from above (except through legal openings).
- 5) Any car without a body or with an interfering body will not be allowed to continue to run.
- 6) All final decisions regarding rule interpretations will be made by the HOPAC Tech Committee.
- 7) Cars may be subject to a teardown before and/or after a race to satisfy technical inspection.

G-JET® Car Class Rules

- 1) Cars eligible to compete in this class include the BSRT G-Jet® and Formula G-Jet®.
- 2) The chassis must be a stock BSRT G3-R® Flexible chassis with Flexible traction weight clip. The front axle holes may be reamed to .052". Stock body tube holes that have been previously threaded are allowed. No other modifications are allowed.
- 3) Motor magnets must be BSRT #290 G-Force™ C4 Ceramic-Grade and cannot be modified. Magnets must remain in stock position.
- 4) Armature must be a stock BSRT G-Jet®, narrow gap design, and be a minimum of 9-ohms. BSRT G-Jet® 9-ohm Hot Stock™ armature may be substituted for the stock unit.
- 5) Armature bushings must be stock or BSRT stock replacement (no ball bearings). Bushings may be reamed, chamfered, and polished.
- 6) All electrical system parts must be stock or BSRT stock replacement.
- 7) G-Jet® Front End: front axle and non-independent G-Jet® #878 rims and O-ring front tires must be stock and unmodified. Front O-rings must be a minimum tire diameter of .350". In G-Jet®, front axle assembly must be installed using the short wheelbase location. Formula G-Jet® Front End: front axle and non-independent Formula G-Jet® #877 rims and #950 front tires must be stock and unmodified. In Formula G-Jet®, front axle assembly must be installed using the long wheelbase location.
- 8) Rear tires must be BSRT HPS™ Injection-Molded Silicone slip-on tires on BSRT HPS™ Double-Flange Rear Rims. The rear axle must be stock or BSRT stock replacement. Front and rear rims cannot be modified. The rear axle must be stock or BSRT stock replacement. Front and rear rims cannot be modified.
- 9) BSRT G-Jet® handling weights must be used. Weights must be used in their stock location. Weights may not be modified.
- 10) Gears must be stock or BSRT stock replacement. Gears may not be lightened. Axle spacers may be used to aid with gear mesh.
- 11) The guide pin must be stock or BSRT stock replacement in the stock position.
- 12) Glues/adhesives are not allowed on the chassis except to retain the guide pin.
- 13) The body in Formula G-Jet® must be a Tomy snap in place stock Formula injection-molded body. The weight of the body may not be less than 2.1 grams. All wings must be secured to the body. The front wings may be repaired/reinforced using styrene by removing a small amount of plastic under the front wing. A very small amount of plastic may be removed on the body nose to allow for clearance of the front Formula G-Jet weight. Rear adjustable wing flap must be glued into fixed position. All bodies must be painted.
- 14) G-Jet® races shall be run at 12.0 volts +/- .25 volts.

SUPER STOCK Car Class Rules

- 1) Cars eligible to compete in the Super Stock class include the BSRT G3® platform of cars.
- 2) The chassis must be stock and cannot be modified in any way except for the following:
 - a) Add body mounts.
 - b) The chassis may be modified to retain the rear axle.
 - c) The front axle holes may be reamed to .052".
- 3) The armature and traction magnets must be BSRT G-Force™ C4 Ceramic-Grade material and cannot be cut. Magnets must remain in their stock position.
- 4) Armatures must be stock or BSRT stock replacement. All arms must be narrow gap design and be a minimum of 5.8 ohms. Motor bushings must be stock or BSRT stock replacement (no ball bearings allowed). Bushings may be reamed, chamfered, and polished.
- 5) All electrical system parts must be stock or BSRT stock replacement. BSRT pickup shoe Helper Springs may be used.
- 6) The axles, gears, gear spacer (optional), guide pin, front tires, and front wheels must be stock or BSRT stock replacement. Rear tires must be BSRT HPS™ Injection-Molded Silicone slip-on tires on BSRT HPS™ Double-Flange Rear Rims. Gears may be lightened and axle spacers may be used to aid with gear mesh. Front and rear rims may be drilled or lightened.
- 7) Glues/adhesives are not allowed on the chassis except to attach the body mounting system and retain the guide pin.

DEFINITIONS

General Rules	- Rules which are applicable to all car classes.
Stock	- Any part or condition that normally comes with a car.
Stock Replacement	- A readily available part similar to the part being replaced.
Readily Available	- Mass produced for HO slot car racing and commercially available through Scale Auto.

THE GOAL OF HOPAC

The goal of HOPAC is to promote the hobby/sport of H.O. scale slot racing. The emphasis in HOPAC is on good, clean, competitive fun and we urge all racers to make this a personal goal when participating. If you would like more information, please contact: HOPAC, c/o Scale Auto, P.O. Box 2051, Redmond, WA 98073.

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"It's not about the racing, it's about the friends you make along the way..."