

SUPER STOCK CAR CLASS RULES

Legal chassis are: BSRT G3/G3R/G3RS/G3RSB, Mattel/Tyco 440 X2, Micro Speedworks T+, Slottech T1/T2/T3 and T1X, Wizzard-Patriot P2/P3/Scorpion/Storm/Storm CH22/Fusion, Viper V1, RPMs Ghost Cat

1. The chassis must be stock, readily available, "HOPRA Approved" and cannot be machined, sanded or cut except to provide the following:
 - a. Add, remove or re-add body mounts.
 - b. Reinforce and/or replace pickup tabs.
 - c. Add adjustable Brush tension.
 - d. Add axle retainer.
2. The guide pin can be a stock replacement part. It may be glued in place but shall remain in any one of the stock positions.
3. All magnets used shall be stock or stock replacement ceramic "HOPRA Approved" and cannot be cut. The gauss reading of the traction or motor magnet shall not exceed the following criteria. This is taken after 5 min cool down period and at the lowest point on each magnet as it runs parallel to the rail. Any reading above these figures will be cause for disqualification or rejection at tech.

TRACTION: 1500 gauss maximum MOTOR: 1200 gauss maximum.

4. Mattel/Tyco 440 X2 traction magnets must be of matching polarity.
5. All magnets shall remain in their stock location. No material or method may be used to restrict the movement of the magnets.
6. Any flux collectors used shall be stock and shall remain in their stock location and cannot be modified.
7. The armature must be stock or a hot stock. The **minimum** ohmage allowed shall be 5.80 ohms.
8. Axle bushings are not allowed unless they are stock.
9. There are no restrictions on the armature bushings, gears, axles, wheels and tires. Ball bearings are not allowed.
10. Electrical systems shall be stock or stock replacement. Adjustable brush tension is allowed.

11. Physically attaching brushes to springs (using glue or other substance) or spring arm is allowed.
12. Plated parts are allowed.
13. Shunts are not allowed.
14. The use of glue shall not be allowed on the magnets or to retain the magnets to the chassis.