



# **MINI CUP 2014 RULEBOOK**

## **SAFETY RULES**

1. Five-point safety belts – lap belt, crotch belt, two shoulder harnesses – mandatory. Must be securely fastened to the frame and free of fretting or visible wear.
2. Fire extinguisher mandatory. Must be mounted in easily accessible location.
3. No open fuel lines. Rollover valve required.
4. Fuel cap gasket must be in good condition.
5. Fuel cell must be grounded.
6. Full-face helmets with Snell 95 stickers must be worn. Neck brace mandatory.
7. Full-coverage clothing required. While fire resistant race wear is highly recommended, it is not mandatory. No short-sleeve shirts, shorts, sandals, or bare feet will be allowed.
8. Car body must be secured to frame.
9. No electric fuel pumps.
10. Battery must be enclosed if located in driver's compartment.

## **CHASSIS RULES**

1. Chassis must be of rigid design. No shocks or springs allowed.
2. Bodies must be in place, securely fastened, and must have windshield and rear window made of Lexan.
3. Minimum weight 700 lbs. with driver, no exceptions. (Junior class age 7-15: Minimum 650 lbs. with driver.)
4. Driver's head must be below top roll bar.
5. Mufflers required, with maximum 90 decibels (strictly enforced).
6. 15.0/7.0-8S tires only. American Racer or Hoosier allowed.
7. Wheels to be a maximum of 6" wide, constructed of aluminum or steel.

8. No front bumpers allowed on outside of body. A one-inch outside-diameter round bumper will be allowed on the rear. It shall be no more than two inches beyond the body and no wider than the body. Bumper edges must be turned in toward the body. Round rub rail no larger than one inch diameter will be allowed, starting and ending inside the body to eliminate sharp edges. It shall not stick out more than one inch beyond the body, measure from the outside of the body to the inside of the tube.
9. Tread width 48" maximum. Will be measured from the outside of the sidewalls at the center of the wheel.
10. Maximum car width 52".
11. One-piece live rear axle required. Both rear hubs must be driven. Chain drive only. Axles may not protrude from the outside of the wheels.
12. A mirror is mandatory. The mirror may be inside or outside the car.
13. Rear hydraulic brakes only. Front brakes not allowed.
14. Only dry centrifugal clutches are allowed. No torque converter, oil bath, or axle clutches allowed.

## **STOCK ENGINE DIVISION**

1. Honda 11-HP GX340 electric start engines only. Stock bore and stroke required, with .035 overbore allowed, for a maximum of 3.268. All other parts will be Honda or equivalent to Honda specs. No milling, sanding, or polishing of any type allowed to engine or parts. If any seal is broken and removed the motor will need to be sealed before being allowed to compete. Sealing will be done by at least two of the following: Rod Pinkham, John Anderson, Richard Jordan, Todd Ladd, and/or Adam MacDonald. Competitor will assemble engine with approved parts.
2. Stock head gaskets required.
3. Stock 11-HP carburetor required. No boring or modification of any type allowed. A .753 "go-no-go" will be used.
4. Emulsion tube fuel pickup hole may be enlarged, no other modifications allowed to carburetor. Air filter adaptor is open.
5. Race prepping of stock rod allowed.
6. Stock flywheel and ring gear required. Magnets may be removed.
7. Minimum flywheel weight of 11 lbs., 14 oz. required.
8. Stock flywheel keys only, no advance timing keys.
9. No adjustable jets allowed. Fixed Honda jets only.

10. Choke may be removed and a primer installed to assist in starting.
11. Engine tech is defined as an inspection that requires removal and disassembling of engine. This type of inspection may be requested by any registered driver and will be held at the end of the day by track officials and/or those who are authorized engine sealers when applicable. While the request may include multiple drivers, the requesting driver must prepay \$100 per engine request for inspection, and must also submit his/her car for inspection. Drivers and/or cars found with engine tech offenses will have all the unapproved parts confiscated, will be disqualified for the day's events, pay a \$50 fine, and with offenses being noted, will be prohibited from racing until engine tech inspection requirements have been met. The driver requesting engine tech will be refunded \$100 for every engine found to be out of spec. The \$100 prepaid fee will be forfeited and split 50/50 between the track and the cleared driver/car for all approved engines.

### **MODIFIED ENGINE DIVISION**

1. Honda 11-HP GX340 engines only. Stock bore and stroke required, with .035 overbore allowed, for a maximum of 3.268.
2. 13-HP Honda carburetors allowed, with any bore.
3. Honda carburetor insulators are required and must be drilled for pulse fuel pump. No electric pumps allowed.
4. Stock Honda flywheel only, minimum of 10 lbs.
5. Pump fuel and race fuel allowed. NO ALCOHOL!
6. Optional Modified Engine sealing will be available. Bore and stroke will be measure and flywheel weight will be verified. There will be a \$50 charge for this service. No generic blocks allowed, Honda only.