

Section 8

360 Late Model Division ~RACEciewers mandatory~

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BRP CanAm Late Model Technical Specifications – 2009

#1- Front stub

- 1.1 GM factory built 1970 ½ - 1981 “F car” [Camaro & Firebird] front stub must be used
- 1.2 stub must measure at 24” in front and 24” behind ball joint centerline and 28 ½” inside rails
- 1.3 GM factory “F car” cross member must be used; may be modified for clearances
- 1.4 stock located steering box and idler arm
- 1.5 front horns, ahead of steering box, may be rebuilt of square tubing
- 1.6 engine location: #1 spark plug must be within 1” of ball joint centerline
- 1.7 front stub other than “1.1” must be approved prior to entry

#2 – Front suspension

- 2.1 must use OEM or OEM direct replacement lower A-frames in stock location
- 2.2 must use 5 ½” diameter springs mounted in stock location
- 2.3 OEM, OEM direct replacement, or purpose built upper A-frames are allowed
- 2.4 must use OEM or OEM direct replacement idler arm and drag link
- 2.5 OEM, OEM direct replacement, or purpose built tubular tie rods are allowed
- 2.6 purpose built hubs and spindles are encouraged
- 2.7 jacking bolts are allowed

#3- Frame between front stub and trailing arm mounting points [main frame]

- 3.1 must be constructed of 2”x2” square or 1 ¾” round tubing [minimums]
- 3.2 round tubing must be 4130 chrome moly or DOM with minimum wall thickness of .083”
- 3.3 each main frame rail must extend rearward to within a maximum of 21” to centerline of rear axle

#4- Rear suspension

- 4.1 coil or leaf [single or multiple] springs allowed
- 4.2 three point only / no four point
- 4.3 may use panhard bar or W link
- 4.4 no bird cages
- 4.5 only one shock per wheel
- 4.6 coil over shocks allowed on rear only
- 4.7 coil eliminators / sliders are allowed
- 4.8 no fifth coil over torque arms; no springs or shocks on torque arms
- 4.9 no spring or rubber mounted trailing arms
- 4.10 lower trailing arms must be solid mounted
- 4.11 90/10 shock may be mounted on top of rear end housing; it must be parallel to 3rd link or torque arm centered +/- 6” on housing
- 4.12 maximum of four coil springs per car

#5 – Rear end

- 5.1 stock appearing OEM rear end only; steel housing and tubes
- 5.2 no quick change rear end
- 5.3 rear end gears must be locked
- 5.4 no torque sensing devices
- 5.5 floaters allowed

#6 – Wheelbase

- 6.1 minimum of 104” with ½” tolerance
- 6.2 measured with “stick” center of hub to center of hub

#7 – Shocks

- 7.1 one mono tube or twin tube shock per wheel
- 7.2 Schrader valve shock option is allowed; no remote shock gas reservoirs
- 7.3 no compression or rebound adjustable [“clicker”] shocks of any type
- 7.4 no remote spring or shock adjustment devices allowed
- 7.5 coil over shocks allowed on rear only
- 7.6 coil eliminators / sliders are allowed

#8 – Brakes

- 8.1 must be able to demonstrate operational 4-wheel braking system

#9 – Transmission, bell housing, driveshaft

- 9.1 OEM, direct OEM replacement, Bert, Brinn, or Falcon aluminum [no magnesium] transmission
- 9.2 Bert, Brinn or Falcon bell housings are not approved
- 9.3 automatic transmission does not need torque converter
- 9.4 automatic transmission must use an SFI approved explosion proof aluminum housing or be surrounded by SFI approved explosion shield / blanket
- 9.5 must be able to demonstrate forward, reverse, and neutral
- 9.6 driveshaft must be steel
- 9.7 driveshaft must be painted white
- 9.8 driveshaft must have sling / hoop
- 9.9 no accessories other than starter can be mounted to bell housing
- 9.10 an L shaped 4” x 8” x 1/8th” aluminum “leg saver” is mandatory; device must be securely mounted left of the driveshaft extending from the rear of transmission to rear of seat; 4” over the driveshaft and 8” beside the driveshaft; dimensions are minimums

#10 – Clutch and flywheel

- 10.1 minimum flywheel or starter plate diameter is 8 ½ inches
- 10.2 any single disk type or multiple disk clutch allowed
- 10.3 aluminum pressure plates, mini clutches, Coyote clutches not allowed
- 10.4 minimum clutch diameter is 5 inches [for cars using OEM / direct OEM replacement manual transmission]
- 10.5 a scatter shield is mandatory

#11 – Ignition

- 11.1 all cars must be equipped with a functioning self starter
- 11.2 any HEI, point style, or unaltered MSD or unaltered PROCOMP distributor
- 11.3 only one MSD or PROCOMP box allowed
- 11.4 no magnetos
- 11.5 single 12 volt battery only

#12 – Body

- 12.1 any factory purpose built dirt late model body
- 12.2 maximum height of doors, quarter panels, trunk lid and fenders is 40” from ground
- 12.3 one-piece factory purpose built roof must be mounted parallel to body
- 12.4 factory purpose built nose piece may not be modified
- 12.5 front bumper and side skid rails must be mounted inside bumper cover and body
- 12.6 solid mounted rear spoiler may not exceed 6” x 72” surface area; must be mounted flush to truck lid; may not extend beyond body
- 12.8 rear spoiler attachment panel must be triangular shape; maximum dimensions 8 ½” x 29”

- 12.9 no wings, spoilers, deflectors, or any aero devices other than rear spoiler
- 12.10 tires may not protrude more than 4" beyond the outer edge of the body

#13 – Weight [measured in track scale pounds]

- 13.1 minimum weight is 2700# after race with driver without adding anything; 2% tolerance
- 13.2 track scales are official
- 13.3 ballast must be attached with at least two bolts of minimum ½" diameter passing through ballast and a substantial member of the car; may not be welded into place
- 13.4 ballast must be painted white and must have car number painted on it

#14 – Engine

- 14.1 only cast iron V8 block
- 14.2 maximum displacement is 361 cubic inches for Ford or GM; 370 for Chrysler
- 14.3 no 400 CI blocks
- 14.4 only cast iron cylinder heads
- 14.5 any solid or hydraulic camshaft; no roller or mushroom camshafts
- 14.6 any solid or hydraulic lifters; no roller or mushroom lifters
- 14.7 spark plug #1 must be within 1" of centerline of ball joints
- 14.8 no dry sump oiling system

#15 – Carburetor

- 15.1 one Holley 4412 [500cfm/two barrel]
- 15.2 maximum venturi bore is 1 3/8"
- 15.3 choke horn must be retained
- 15.4 maximum of two holes may be drilled in butterfly
- 15.5 choke plate, shaft, and linkage may be removed

#16 – Fuel and Fuel Delivery

- 16.1 gasoline only
- 16.2 fuel cell is mandatory
- 16.3 fuel cell must be mounted in a minimum 20 gauge metal box securely mounted by two 2"X1/4" steel straps or 1" square tubing which completely surrounds the cell box; minimum dimensions
- 16.4 fuel cell must be mounted in trunk area and not lower than center of the rear axle housing
- 16.5 fuel lines should be routed outside of driver's compartment; lines inside the driver's compartment must be braided or enclosed in metal conduit

#17 – Wheels and Tires

- 17.1 only 10"X15" steel wheels
- 17.2 bead locks on right side wheels only
- 18.3 only American Racer EC-1, EC-2 or Hoosier RC-1, RC-3, RC-4 tires

#18 –other

- 18.1 RACEceiver is mandatory; no two way radios;
- 18.2 no mirrors
- 18.3 no electronic or computer controlled traction devices of any kind

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