

2020 Midwest Xcel Rule Book

- All cars must remain stock from Xcel Chassis
- Interpretation of rules will be at the discretion of technical inspector. All decisions by 600 Modified Officials will be final. If the rules do not state you can do something assume that you cannot.
- Officials have the right to check anything on any car at any time.
- Officials have the right to amend any rule at any time for the betterment of the series.

TIRES

American Racer Tire

- Must be on all 4 corners
- Stock tire
- All tires must have Xcel Stamp.
- RR 61 x 10 x 10. LR and Fronts 57 x 6.5 x 10
- No regrooving of any tire.
- No Syphoning on any tire.
- Grinding tires is allowed
- No chemically treating any tires
- LR offset: outside of LR tire to frame by lower inner rub rail.
 - 18" max for old style cars
 - 17" max for new style cars
- Durometer reading must meet specifications determined by Xcel Chassis official.

RIMS

- Front and left rear 7 ½" wide maximum.
- Front 3" offset only.
- Right rear 8 ½" wide maximum.
- No double beadlocks.
- No aluminum or titanium bolts in beadlock rings or hubs.
- All bolts must be in wheels. 8 bolts and nuts.
- No plastic or carbon fiber wheels
- No bleeders of any style.

HUBS

- Aluminum only

SPINDLES

- Steel snout, 4 bolts to hold steering arm on Xcel spindles or new Xcel spindles and arms.

STEERING

- Must be rack and pinion steering from Xcel Chassis.
- No aluminum steering shafts.

- No aluminum u-joints.
- Adding for 2020: If you run power steering you can not run more than 7 degrees castor angle.
- Adding for 2020: If you run power steering you can not run the left side pan hard bar.

FUEL CELL

- Must be Xcel Compatible, 4-gallon RCI 1040D type fuel Cell.

WEIGHT

- Minimum weight with driver is 900 pounds after each race is over.
- Weights must be bolted with 5/16 bolts & lock nuts.
- Weights must be painted white and have car number painted on each one used.
- All bolt on weights must be inside main frame.

Radiator

- Stock from motorcycle only.
- Custom from Xcel Chassis only.
- No exceptions.
- Adding for 2020: Must have Xcel aluminum hose block coming straight back from motor, no 90-degree fittings.
- Radiator hoses need to be wrapped.

GEAR

- Open. 520 chain.
- Front gear and chain must be steel.

GEAR LIGHT

- Driver must be in racing gear by turn 3 for all starts and restarts.
- No shifting on starts or restarts.
- If light comes on and you advance a position you will be penalized two positions at next caution or end of race.
- Light must be big enough to be seen from tower.
- See diagram #1.

REAR BRAKES

- 2 piston caliper only
 - Wilwood #120-4062
 - AFCO #6630410
- One rear brake
- 10" maximum diameter brake.
 - Disc with 4 bolt mounting hub.
- 5/16" thick maximum.
- 3/4" master cylinder
 - Wilwood #2606764
 - US Brake #201-2512

FRONT BRAKES

- No proportioning valves.

- Xcel Chassis calipers only.
- 1/8" thick rotor.
- Brake line master cylinder.
- T, 24" line to front axle.
- T, 24" line to right side
- 16" line to left side.
- See diagram #2.
- Front brakes are optional
- If you run front brakes, you must run both disks and calipers on both the left front and right front.
- Both front brakes must work.

Belly Pan

- Front must stop at steering box.
- Back must stop at bar with serial number on it.
- Belly pan must be on top of frame rails.
- No belly pan outside main frame rails.

GAUGES

- Tach is only gauge that can be connected to wiring harness.
- 3 gauges in car: oil pressure, water temperature, tachometer.
- No more than 2 on/off switches in car
 - 1st switch – on/off for engine
 - 2nd switch – fan, helmet blower or lights enabling sight to get in and fasten belts.
 - 3rd switch for helmet blower or be labeled.

BIRDCAGES

- All single bearing birdcages and new RR & LR double bearing birdcages must come from Xcel Chassis or Xcel dealer.
- You may run a cable or chain to left rear birdcage to keep axel off of the frame. Axel must not be held more than ¼" off of frame.

ENGINE

- All engines must have 2017 seal before it is permitted to race. If not 2017 sealed, penalties will be awarded to owner and driver.
- Stock from motorcycle, including injections, clutch, and black box.
- Spark plugs:
 - Suzuki #NGK CR9E
 - Honda stock #NGK IMR9C9H
- All Engines and wiring harness must come from Xcel Chassis.
- All rebuilds are done by Xcel Chassis, Xcel Chassis dealer or Mumms the Word Racing
- No power commanders.
- All Engines must have 2 seals done by Xcel Chassis. If they are found not sealed you are disqualified.
- If seal is tampered with, in any shape or form, you are disqualified.
- No aftermarket devices.
- Honda CBR 600 only 2000-2006

- Suzuki GSXR 600 only 2000-2010
- 599 cc – no cleanup
- Honda – stock fuel regulator only.
- Suzuki – Kinzler adj. high speed bypass.
- No pill block.
- 12-volt battery only.
- All wiring harnesses must be removable.
- Tach wire must be accessible to officials at all times.
- Engines must be sealed by Xcel Chassis or Xcel dealer (Mensink Racing Supply).
 - Previous seals done by Cook Racing Supply are still legal.

ENGINE PROTEST POLICIES

- Included in protest are the following: engine, wiring harness, black box, everything but header and air box.
- All engine protests are mandated to be pulled at track the night the protest is made.
- Protested engine will be taken to Xcel shop that night and will be re-teched. If a protest is on a two-day race event, the protested engine will be marked by an Xcel official the first day and will be confiscated at the end of the second day.
- All protests must be in writing and given to track tech official or Jay Mensink along with the \$500.00 protest fee.
- Only owners can file an engine protest.
- An owner can protest one engine a night.
- To protest an engine, owner's car must have finished 7th or better in that night's feature.
- The engine that is protested must have finished 7th or better in that night's feature.
- Xcel Chassis receives \$100.00 of the protest money no matter of the outcome.
- If found legal: owner of protested engine will receive \$400.00 and return of engine.
- If found illegal: protester will receive \$400.00, Xcel Chassis or dealer confiscated and keeps engine, owner of illegal engine receives monetary fine and suspension to be determined by Xcel Chassis official.

WHEELBASE

- 66 ¼" minimum to 67 ¾" maximum.

BUMPERS & NERFS

- Must be steel and stock from Xcel Chassis/Xcel dealer. .065 minimum and .095 maximum thick with one-inch diameter.
- If front or rear bumper comes off during race, car is finished for that race.

MUFFLER

- Beye part # Xcel
- Adding for 2020: Schoenfeld's are legal.

EXHAUST

- Must be stock from Xcel Chassis only.
- No jet coated headers.
- No ceramic headers.

- No stainless headers.

BATTERY

- No gel.
- No lithium.
- Plain 5"x7" lawn mower battery.

RADIUS ROD

- RF 11
- LF 10 ½
- RR 14 ¾
- LR 13 ¾"
- Front pan hard bar 18 ¼
- Back pan hard bar 21 ½"
- Back pan hard bar 23 – new style
- No spring rods.
- No bump rubbers rods
- Adding for 2020: The new left side pan hard bar is 25 inches.

FRONT AXLE

- Must have Xcel Chassis, CRS, Mensink Racing plate on axle.
- One-piece steel axle.
- See diagram #3

WHEEL WIDTH

- 63" Maximum. See diagram #4.

FUEL

- Fuel must be same ambient temp as outside temp.
- Pump gas only – 93 octane maximum.
- Up to 15% ethanol.
- No methanol.
- No additives.

FUEL PUMP

- Fuel pressure 43 to 51 for Honda and Suzuki.
- Mallory #4060FI
- Holly rd.
- Walbro (must have Xcel stamp)
- Blue high-pressure fuel line only.
- Adding for 2020: it will be mandatory to run a #640863 Russell fitting on the fuel rail.
- Adding for 2020: The fuel system MUST be run how they are put in by Xcel, MUST use blue fuel line ONLY.
- Adding for 2020: Regulator – Holly 12-882 is also legal.

Russell Fuel Rail Fitting Adapters 640863



SHOCKS

- Stock shock.
- Bilstein Xcel #1.
- All cars must have a Bilstein shock on each corner of the car.
- No cutting shocks apart or changing valves.
- No spring shims or spacers.
- Shock extension is 1 inch only – back only. 4-inch threaded tube coil kit.
- Only 4 shocks per car.
- No bump rubbers.
- No drilling and/or letting gas out of shock.

SPRINGS

- Open.
- Only one spring per shock.
- Only 4 springs per car.
- 1 7/8" diameter spring only.
- No barrel springs.

NUMBERS & LETTERS

- Must reserve car number with registration.
- Must be displayed on the roof, both sides of car and on back.
- Size must be 16 inches in height for top and sides.
- Letters in front, back or in number must be 8 inches minimum for top and both sides.

BODY

- All Xcel cars must have 2017 new style rear deck.
- 6 – 2 1/2" holes LF bottom door (air for engine)

- Hole in hood for air 1 ¼" by 6 ¼" maximum.
- Optional louvers for airbox – 2 rows of 10 – 3" louvers.
- No skirting below front in front or on both sides.
- All body parts must be on car at start of each race.
- Fire wall must be in car at engine.
- **Must fit Xcel template.**

ROOKIES

- Status: if you are new to series and did not race a car bigger than a 600 modified, you are deemed a rookie.
- All rookies must have "Rookie" displayed on back deck.
- All rookies shall start at tail end of heat race for a minimum of 4 events.
- After 4 race events, representatives will determine eligibility for pill pull.

AIR BOX

- Stock from Xcel Chassis.
- Stock boots cut down.
- Air box cover must be on car and must have fire shield covering engine blanket.
- No air induction system and/or ram air.
- Air filter must be:
 - Green -2004
 - K&N - #33/2084
 - K&N - #33/2018
 - Twin Air - #Xcel Chassis
- If you run only twin air you can run steel mesh in air box to help hold up filter.

FRAME

- All changes to frame must be in letter form explaining reasons for changes. After approval, Xcel will stamp letter and must be available for representation to Xcel Chassis officials at any time.
- Must remain stock from Xcel Chassis. No cutting bars.
- No adding bars.
- No moving of any bars to different spots.
- Engine must remain stock position from Xcel Chassis.
- All cars must have rock screen on front for driver safety.
- Must have cage around fuel tank.

2011 OR NEWER CARS AND CARS WITH 2011 UPDATES

- Battery is in back of car.
- Updates can be done by Xcel Chassis only.
- Aluminum engine plates must be from Xcel Chassis.

CAR INSPECTIONS

- All racecars are subject to inspection by a tech inspector at any time.
- The first four (4) finishers in the main event, and any other racecars as instructed by officials, are required to report to a designated area after the completion of the main event where post-race technical inspections will be performed.

PIT & TRACK BEHAVIOR

- An owner is responsible for the conduct of the crew and driver at the track.
- All owners, drivers, crew and team members must act like ladies and gentlemen at all race events.
- Any individual and/or individuals who may get into a fight or unseemly argument at the track shall immediately be suspended from the days or nights events. Xcel Chassis officials may impose a monetary fine and/or a 2 to 4 race suspension for each individual.
- Any and all actions, including the internet, by an individual and/or individuals ruled detrimental to the following:
- Series officials, divers and owners will receive a \$75.00 fine or higher, along with possible suspensions and/or a lifetime ban.
- Only owners & drivers may approach an official at any time, in trailer to discuss race event and procedures.

PROTEST POLICY

- Any owner may file a protest of another owner within 20 minutes of race finish.
- You cannot protest a finish or a rule infraction decision by an Xcel tech official.
- Protest must be in writing, specifying protest, and given to an Xcel tech official.
- \$500.00 must accompany written request.
- \$100.00 of protest money will be distributed to point fund regardless of any outcome.
- If found Illegal:
 - Protestor receives the remaining \$400.00 back and protested car receives no points or money for that nights racing.
 - Owner of protested car may receive monetary fines and/or suspensions.
- If found legal:
 - Only the protested car receives the remaining \$400.00
 - Only owners & drivers may approach an official at any time, in trailer to discuss race event and procedures.

MISCELLANEOUS

- ***Receiver Radios are mandatory and must be working during race events***
- Head and neck restraints are mandatory and must be SFI rated minimum of 38.1
- Any and all suspensions include weekly tracks on race days. If race is cancelled or track not open, this is not included.
- Driver cannot have any electrical devices (ex: cell phone, credit card with chip) on person or car during any race events, raceceivers are allowed. Transponders are mandatory.
- 1 in car camera allowed in car but cannot face any suspension.
- No magnesium.
- No titanium.
- No traction control.
- No air shifter.
- No data acquisition systems.
- No cockpit adjustable devices.
- No carbon Fiber.
- No drilling or hallowing of any bolts at any time.
- No radio communication in cars.
- Total 3 air ducts – 1 must be for brakes. No aluminum bolts.

- Rental car or any outside driver that is not a regular driver with the 600 series will start in the back of the heat race and will start no better than 10th position in that night's feature.
- Only owners and drivers may approach an official at any time, in trailer to discuss race event and procedures.
- SUGGESTED for 2020: All cars must have safety bar updates.
- SUGGESTED for 2020: Full containment seats may be mandatory in the future.

ON TRACK MISCELLANEOUS

- No shifting start or restarts.
- Driver must be in racing gear by turn #3.
- If you unbolt and get out of the car on the track, you are finished for that race, unless instructed by official.
- No jack rabbit style starts.
- All race procedures will follow each track's procedures.
- It is the driver's responsibility to understand each track's race procedures.