



OUTLAW MINI MOD SERIES RACE CARS  
BUILT BY BAT WING CHASSIS (507) 456-5465

# OUTLAW MINI MOD SERIES RULES & REGULATIONS

Series Rules & Regulations .....	3
Hoosier Tires .....	3-4
Rims .....	4
Hubs .....	4
Spindles .....	5
Steering .....	5
Fuel Cell, Fuel Pump, Fuel .....	5-6
Gear .....	7
Radiator .....	7
Brakes .....	7
Bird Cages .....	8
Engine .....	8-9
Wheel Base.....	9
Front Axel .....	9
Shocks & Springs .....	10
Body.....	10-12
Chassis .....	12
Weight .....	13
Miscellaneous .....	13-14
Safety.....	14-15
Points System .....	15-17
Qualifying & Race Procedures .....	17
On Track Miscellaneous .....	18-19
Conduct .....	19-21
Protest Policies & Tech .....	21-22
Body Template .....	23

## **SERIES RULES & REGULATIONS**

- Interpretation of Outlaw Mini Mod Series (OMMS) rules will be at the discretion of technical inspector (track or series). All decisions by track and/or Series 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
- The safety recommendations in this rule book are provided as minimum recommendations, in line with industry standard. They should be used in addition to the requirements put in place by your local track. Drivers are responsible for the race-worthiness of their equipment and should inspect ALL equipment prior to any outing. Drivers should always use the highest quality; in date safety equipment as defined by SFI, FIA, SNELL, or other recognized safety certification organization.

## **HOOSIER TIRES**

- RF, LF, LR - 15.0/8.0-8 JR. Sprint
- RR- 16.0/8.5-8 JR. Sprint
- These are the ONLY tires allowed
- 16.0/8.5-8 tire can only be used on RR
- RR Compound D28 ONLY
- RF, LF, LR- RD20 Compound ONLY

- You may grove and sipe tires in any pattern
- Tire softeners or conditioners which alter the chemical compound of the tire will NOT be permitted. This includes, but is not limited to, tire soaking, internal applications, or the use of tread softeners. This will be strictly enforced.

## **RIMS**

- RF, LF, LR 8" X 8" steel or aluminum  
(wheel dimension must be within +/- 1" of 8")
- Any off set wheel (3" X 5" is standard)
- No plastic or carbon fiber wheels
- No bleeders of any style
- 4" X 4" bolt pattern ONLY
- Bead-lock wheel can only be used on RR

## **HUBS**

- Steel or aluminum front hubs
- 4" X 4" bolt pattern ONLY

## **SPINDLES**

- Steel spindle ONLY (no aluminum)
- Must be comparable to Bat Wing Chassis factory spindle
- 7 degree min, 9 degree max

## **STEERING**

- Steering quickener is allowed & recommended
- No aluminum steering shafts
- No aluminum U-joints

## **FUEL CELL, FUEL PUMP & FUEL**

- Aluminum or steel 3 gallon MAX
- No race fuel
- No additives
- No methanol
- Factory fuel pump (must be mounted in fuel cell)
- No aftermarket fuel pumps
- Must use fuel line rated for fuel injection.
- Use factory connections with clamps when possible

- Only petroleum-based unleaded or leaded gasoline as defined by the American Society of Testing and Materials (ASTM) is permitted. The Suzuki Motor Corp. recommends the use of 89 octane unleaded gasoline. Higher octane fuels can cause higher operating temperatures and reduce the running life of your engine. The only oxygenates permitted are MTBE and ethanol alcohol, in the same quantity, that are found in pump gasoline.
- Laboratory Testing – OMMS reserves the right to conduct laboratory analysis of fuels. Samples for lab analysis may be taken from a competitor’s fuel tank at any time at the discretion of the OMMS Technical Inspector.
- The specific elements which will be searched for include: propylene oxide, alcohols (all types), aldehydes, amino diphenyl, benzene (in excess of EPA limit), Benzedrine, beryllium compounds, bromine compounds, butadiene’s, chlorinated compounds, chromates, dioxanes, ethyl acrylate, ethylene oxide, hydrazine compounds, methylene dianiline, naphthylamine, nitrogen compounds (nitromethane, et al.), styrenes, toluidine and xylidine. Also added to this list will be substances deemed to exceed the Threshold Limit Values (TLV) or Biological Exposure Indicators (BEI) as listed by the American Conference of Governmental Industrial Hygienists (ACGIH).
- Penalty for Fuel Rule Violations - Any competitor (driver and/or owner) caught using any of the illegal fuel, or additives as previously mentioned is subject to a minimum disqualification, forfeit of winnings and points, and a minimum fine of \$300 to cover the cost associated with lab testing. Further penalties and suspensions will be determined by OMMS based on the chemical composition of the additive in question.

## **GEAR**

- Front gear and chain must be steel
- Gearing is open
- 50 chain or 520 o-ring chain

## **RADIATOR**

- Factory Bat Wing Chassis or comparable
- May mount on RH or LH side no further back then rear of seat

## **BRAKES**

- One rear brake
- NO front brakes
- 10" max diameter of brake disc
- 2 piston caliper ONLY Wilwood #120-4062
- 5/16" max thickness of brake disc
- Wildwood Master Cylinder #2606764
- Steel or high pressure plastic racing brake line

## BIRD CAGES

- Single or double bearing bird cages allowed.
- Suspension link mounting hole dimension - 5-1/4" +/- 1/8" (space between/across bolt holes on bird cage) 4-Link or Wishbone must be bolted in these holes on Birdcage.

## ENGINE

- Suzuki GSXR 600 motor ONLY (2001-2009 Model Year)
- No Yamaha, Kawasaki or \*Honda engines (Cars that were *originally* built with the Honda motor option will be allowed)
- Stock from motorcycle, including: injectors, clutch, spark plugs, and ECU
- All engines and wire harness must come from Bat Wing Chassis or be inspected by Bat Wing Chassis
- ECU MUST be checked and sealed by Bat Wing Chassis
- 599 cc max displacement
- 12 volt battery ONLY (one battery per car)
- No aftermarket devices (injection systems, carbs, ignition, and/or throttle bodies)
- Aftermarket air box is allowed
- Aftermarket exhaust header is allowed (Beyea RH exit header recommended)



- Aftermarket Oil Pan is legal. (Kevko GSXR-600 pan recommended)
- Must have complete working muffler
- NO throttle body spacers
- OEM equivalent clutch, NO lightweight clutch baskets, or modification of clutch basket and or flywheel.
- Secondary plates in throttle body may be removed

## **WHEEL BASE**

- 69" +/- 1"
- Max overall length of car 132"
- Max overall width 65"

## **FRONT AXLE**

- One-piece steel straight front axle (must be comparable to factory Bat Wing Chassis axle)
- Max width 34"
- Min width 32"
- 2 radius rods RH side (mounted 5" +/- 1" from outside of axle)
- 1 radius rod LH side (mounted 5" +/- 1" from outside of axle)
- Shock can mount anywhere ON front axle
- 5/8" spindle heims

## SHOCKS & SPRINGS

- Any 6" steel-bodied shock is allowed
- NO Bulb/ Canister Style Shocks
- NO aluminum shocks
- No Sliders or Dummy shocks
- Only 4 shocks per car
- 1" max shock extension
- Only 4 springs per car
- Any spring rate is allowed
- 1-7/8" diameter springs only (8" or 10" tall spring is allowed)
- No barrel springs

## BODY

- Body style and design is open (must resemble a modified)
- Maximum width 65", Maximum Length 132" - Car and Body MUST fit in a hypothetical box of 65" wide x 132" long x 60" tall.
- No wings
- 3" Spoiler- 3" Maximum length of material from deck to top of spoiler, Any angle allowed. 1" max support brace/ bend/ lip protruding off rear of spoiler.

- 7" Max spoiler support/sides/braces Height measured from top of decking. No more than 4 spoiler supports/sides/braces per car.
- 3" Max height on *any* tin work acting as a fin in any location of the car. Measured from decking, roof, hood or adjoining flat surface.
- Maximum deck height measured in center of car, from top of spoiler (3" tall Max Spoiler Height) to ground= 40" +/- 1" WITH DRIVER IN SEAT. Not to include spoiler wings or supports.
- Standard front & rear bumper design/ or comparable to factory Bat Wing Chassis (Front- 31" X 7.5" Rear- 47" X 7.5" +/- 1") Front & Rear Bumper MUST measure 14" +/- 1" from ground to center.
- Nerf bars or body must be wider than wheels
- Any style sail panel is legal (open or closed) Must have a minimum of 1" material acting as sail panel & front "A" pillar.
- Roof must be attached to the top of roll cage. A maximum 1" air gap space is legal. Drivers head/helmet must be below bottom edge of roll cage bar.
- Decals & Branding- With increasing car counts and increasing tracks, the cars need an identity to the fans. We are running at many new tracks in multiple different states & Canada. Our cars are easily confused with other mini modified style cars, Excel 600s, Slingshots etc. Every driver and owner is an ambassador for the class! If we want the class to grow, we have to tell people what we're racing. Ultimately we want the people in the stands to know and recognize the Outlaw Mini Mod Series / Bat Wing Chassis name so we get more cars, more sponsors and more tracks on board! All cars that showcase the OMMS

logo on the front nose and the Bat Wing Chassis logo at the bottom of the doors on each side will receive a FREE Shirt!

- Please see the last page of this document for Body Template graphic

## CHASSIS

- Chassis History
  - 2009-2013 - 1" tube cars built for karting size tracks. These cars were decommissioned in 2014. \$500 credit towards a new chassis for customers with these remaining chassis (#01-21)
  - 2014 - Half 1" half 1-1/4" Tube Chassis production built. (#22-33)
  - 2015-2016 - All 1-1/4" Tube Chassis production built. (#34-47)
  - 2017-Present. All 1-1/4" Tube Chassis with added cockpit room. Production built. (#48-110)
- The Bat Wing Chassis cars that are being produced today share all the same pick up points as the very first ones built. This will NEVER change. A few bars have been added for safety, and a few moved for added room in the driver compartment. All other aspects of the car AND components have and WILL stay the same.
- Additional safety bars, mounting tabs, body tabs, battery & radiator location can be specified during the order process. Any alterations to the chassis not done or approved by Bat Wing Chassis are prohibited!

## WEIGHT

- Minimum weight rule 875#. Drivers weighing less than 150#, must add 50# under the seat, or a minimum of 3 official Bat Wing Chassis weight plates. Car & driver must weigh a minimum of 875# after the Feature.
- CARS WILL BE REQUIRED TO SCALE PER TRACK RULES. If found light, driver will be disqualified from event, lose all points for event & receive no pay for event. If you do not go directly to scale after race event you will be disqualified- no questions asked.

## MISCELLANEOUS

- Transponders are mandatory
- Raceceivers are mandatory
- No traction control
- No air shifter
- No remote weight jacks or suspension adjustments from cockpit
- No aluminum bolts
- No radio communication in cars
- No spring or biscuit pull or pan-hard bars
- No torsion, leaf, or sway bars
- 1/2" minimum heim on all rear suspension parts
- 3/8" minimum heim on all front suspension parts

- Straight live rear axle (no independent rear axle)
- Engine must be mounted to rear axle in an un-sprung configuration
- Standard front & rear bumper design/ or comparable to factory Bat Wing Chassis (Front- 31" X 7.5" Rear- 48" X 7.5" +/- 1")
- Front & Rear Bumper MUST measure 14" +/- 1" from ground to center.
- Mandatory chain guard
- Certified race seat mounted with three 3/8" bolts minimum and 5-point safety harness
- Must have car number clearly displayed on rear of car
- Any added lead must be painted WHITE and have car number on it. Added lead must be bolted thru a welded tab on chassis with minimum of 5/16" bolts or clamped to a chassis tube. DO NOT BOLT LEAD TO FLOOR PAN!

## **SAFETY**

- Please consult your local track for track specific requirements in addition to the detailed items below:
- All safety equipment must be up to date.
- Large Fire Extinguisher in pits/at your trailer is HIGHLY recommended.
- Each car must be equipped with a seat designed specifically for race use. A full containment seat certified to SFI 39.2 (or better) is HIGHLY RECOMMENDED.

- Neck protection device is required. It is HIGHLY RECOMMENDED that the neck protection device be SFI 38.1 approved.
- Restraint system is required to be installed and used per belt manufacturer's instructions. It is HIGHLY RECOMMENDED that each car be equipped an SFI 16.1 (or better) approved restraint system.
- Helmets must be Full- Face and used correctly per manufacturer's instructions at all times when on track. It is HIGHLY RECOMMENDED that each driver use a Certified SA2010 (or better) approved helmet.
- Racing suit mandatory (1 or 2 piece). It is HIGHLY RECOMMENDED that each driver use a SFI3.2A/5 (or better) approved racing suit.
- Closed toe shoes and gloves are required. It is HIGHLY RECOMMENDED that each driver use a SFI 3.3 (or better) approved racing shoes and gloves.

## **POINTS SYSTEM**

- Points will be awarded to "driver" not car.
- You will be awarded points based on the first heat race and your feature results only.
- If you break or do not qualify for feature, you will still be awarded points based on finish.
- "Track" points will be separate from "Series" & "Regional" points.

- If you qualify for feature then break and are forced to race a different car you must start at the rear of feature. You will still be awarded the points you have earned.
- Overall Series Points Champion: The 2021 Outlaw Mini Mod SERIES POINTS Champion will be crowned as follows- Based on 15 Pre-Determined Highlighted Races on said schedule. These races will be as equally spread between MN, ND, SD, WI, IA as possible. Drivers will have the option to throw out a maximum of two races based on the total number of races completed on said schedule. EXAMPLE- 15 scheduled races, 3 get canceled/rained out, and 12 races are completed. Series points will be based on a driver's best 10 races. The completed Series race events for the season will determine the number of races that will count for points. (Two less than number of completed events) There will be no rescheduling or adding of races after the first scheduled race takes place.
- Minnesota Regional Points Champion (Any race in MN, ND, SD, WI or CANADA with 5 or more cars will count towards this Championship): The 2021 MINNESOTA REGIONAL Points Champion will be crowned as follows-Driver's points total will be calculated based on the number of completed race events that said driver takes place in said region. Any and ALL events (including "Highlighted Series Events") with 5 or more cars that take place on/or before October 31st 2021 will be counted. Regional Races can be added at any time as long as minimum car count is achieved. Said driver with the highest points after October 31st 2021 will be crowned MN Regional Champion.
- Iowa Regional Points Champion: The 2021 IOWA REGIONAL Points Champion will be crowned as follows-Driver's points total will be calculated based on the number of completed race events that said driver takes place in said region. Any and ALL events (including "Highlighted Series Events") with 5 or more



cars that take place on/or before October 31st 2021 will be counted. Regional Races can be added at any time as long as minimum car count is achieved. Said driver with the highest points after October 31st 2021 will be crowned IA Regional Champion.

- Series & Regional points will be calculated with the following point system. (Track points are calculated per track rules, a track Champion will be crowned based on the tracks own point system.)
- Heat- 1st-5 pts, 2nd- 4 pts, 3rd- 3 pts, 4th-2 pts, 5th-1 pts (Top 5 in heat/qualifying races will be awarded points)
- Feature- 1st-50 pts, 2nd-48 pts, 3rd-47 pts, 4th-46 pts, 5th-45 pts.....

## **QUALIFYING & RACE PROCEDURES**

- Qualifying for features will be done through a "heat race" whose line-up will be determined by draw
- Each track has option to conduct the draw and line-up as they see fit. If they choose for the Outlaw Mini Mod Series officials to conduct the line-up, this will be determined before the race. Series line-ups will take place at the Series trailer. Top 6 qualifiers will re-draw for feature. Remaining cars will line up from qualifying results.
- Number of laps will be determined before each race, typically 8-10 lap qualifying races and 12-20 lap features

## ON-TRACK MISCELLANEOUS

- Rough driving will not be tolerated!
- Any incidents that are judged to be deliberate acts of aggression will result in disqualification and a monetary fine to be determined by the Rules Committee/Appeal Board\*.
- \*On track incidents, the track official is officiating the race. Any bumping or banging is to be policed by the track race official and needs to be addressed with the track race official, not the OMMS Official. For the safety of our drivers, any retaliation post-race or under caution is a conduct issue that OMMS will address directly as a deliberate act of aggression.
- All Outlaw Mini Mod Series races will abide by current race track guidelines and rules for on track race procedures, scaling, and penalties enforced by track officials. All on track calls will be made by track officials and be final.

## CONDUCT

- Any and all actions, including negative use of the internet, including any social media, by person or persons ruled “Detrimental to the Series, its officials, drivers, and/or owners” will receive a minimum \$50 fine, along with a possible suspension, and/or lifetime ban from participating at any OMMS event. These actions or any similar will not be tolerated.
- Officials reserve the right to increase the above penalties, depending on the severity of the incident.

- Any disqualification will result in no points and no money for the event.
- Disciplinary action may also include, but is not limited to, the right of the OMMS and officials to suspend either temporarily, or permanently, any driver, team member or team sponsor, whose actions, in the sole opinion and discretion of the series organizers and officials, may have resulted in, or may result in, harm or detriment to the OMMS Organization and or Bat Wing Chassis.
- The organizers and officials also reserve the right to request the removal of any derogatory or distasteful statements on any race car, trailer or transporter. Failure to comply with this request for removal may result in disqualification from some or all of the OMMS events.
- The decisions made, and the disciplinary actions taken, by the organizers and officials here under shall not be appealed by the driver, team member or team sponsor affected there by. Please remember that we are here because of the fans, promoters and the sponsors. If they don't benefit, we won't benefit. While we understand that this competition involves substantial financial stakes, there is no excuse for bad or unruly behavior, which would tend to bring the series into disrepute. Please note: By entering, qualifying and/or racing in an OMMS event, you are accepting these rules and regulations as being those under which you are prepared to race. Any driver entering and competing in an OMMS event acknowledges and accepts the following: the OMMS and its assigns may use the drivers names, pictures, likeness, and performances in anyway, medium, or material; including without limitation by and through, television, radio, air wave: cable and satellite broadcasts, film productions, videotape reproductions, audiotape reproductions, transmissions over the internet, and public and private on-line

services authorized by the OMMS and the like, before, during and after the event, for promoting, advertising, recording or reporting in the event or any OMMS sanctioned event, and due hereby relinquish all rights there to for these purposes, provided however, that the car owner and driver shall retain the exclusive use of its or his name; picture and likeness in connection with product endorsements and the sale of products, services, concessions and merchandise.

- Track officials will be responsible for policing and enforcing issues regarding conduct at the track.
- Car owner is responsible for the conduct of the driver and crew at the track and in the pit area.
- All owners, drivers, crew and team members must present themselves in a professional manner throughout any/all OMMS events.
- Any individuals who get into a fight or obscene argument at the track shall be immediately suspended from that event. Suspension and/or fine will be at the discretion of OMMS and/or track officials.
- **These actions or any similar will not be tolerated!**

## **PROTEST POLICIES & TECH**

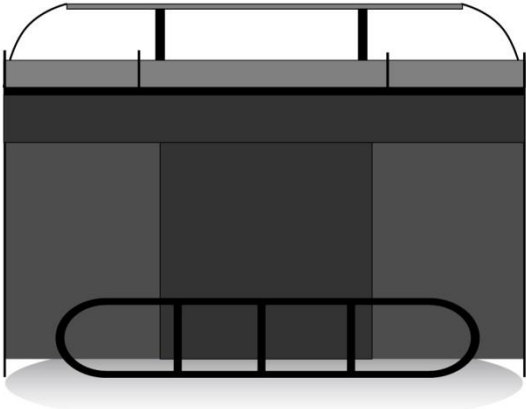
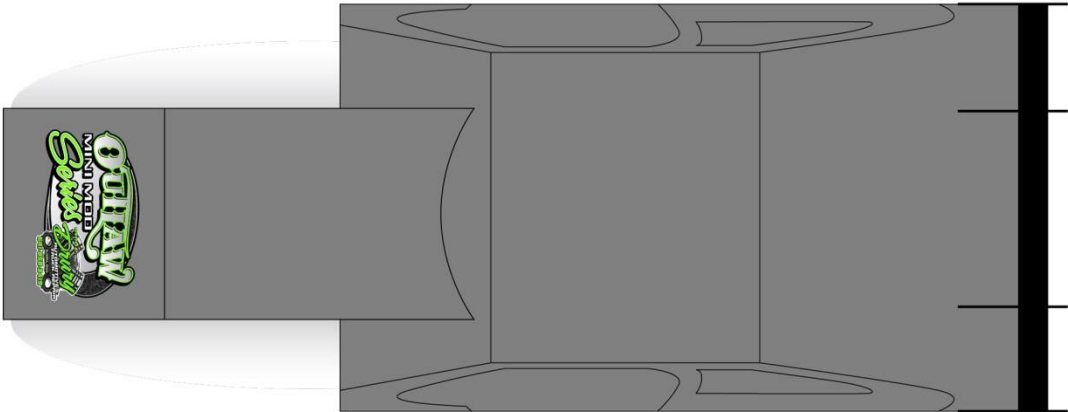
- Any owner/driver may file a protest against another owner/driver for any infraction of the rules
- Protest must be in writing and given to Nathan Kilwine, and/or a track official

- \$150 must be submitted with written protest document
- \$50 of protest money will be deposited into Series point fund
- If found *illegal*, protester receives the remaining \$100 back and protested car receives no points or prize money that night
- If found *legal*, the protested car will receive the remaining \$100
- Top 3 cars *must* report to tech area after scaling. Driver and ONE crew member per car MAX allowed in the tech area!
- ECU Protest- \$150 + all costs involved with verifying legality of ECU (Documentation will be provided of test outcome) \$50 to Series Point Fund, \$100 to Protester if illegal, \$100 to Protested if legal. If found illegal- 1<sup>st</sup> Offense- \$500 fine, loss of all points & 2 week suspension. 2<sup>nd</sup> Offense- \$1000 fine, loss of all points & 2 month suspension. 3<sup>rd</sup> Offense- \$1000 fine, loss of all points & 1 year suspension. (Fine must be paid in full before driver or car may race again. Any fines collected will be deposited into Series Point Fund)
- Engine Protest- \$500 + cost involved with verifying legality of engine. (Pictures and documentation will be provided after tested) \$100 to Series Point Fund, \$400 to Protester if illegal, \$400 to Protested if legal. Any driver in the top 10 in Series Points may protest a 5-time feature winning engine in one season. If found illegal- 1<sup>st</sup> Offense- \$500 fine, loss of all points & 2 week suspension. 2<sup>nd</sup> Offense- \$1000 fine, loss of all points & 2 month suspension. 3<sup>rd</sup> Offense- \$1000 fine, loss of all points & 1 year suspension. (Fine must be paid in full before driver or car may race again. Any fines collected will be deposited into Series Point Fund)

## **RACE OFFICIALS**

- Series Owner - Logan Brown (641) 529-0138
- Series Board Members - Nathan Kilwine (507) 456-5465
- Scott Johnson
- Kelly Steele \*North Region (218) 240-5353
- Justin Johnson
- Bob Daniels \*South Region (515) 443-9906
- Rick Ackerman
- Any/ all track officials

# BODY TEMPLATE



- 65" MAX WIDTH**
- 132" MAX LENGTH**
- 60" MAX HEIGHT**
- 3" MAX SPOILER**
- 7" MAX SPOILER SIDE/SUPPORTS/BRACES**
- 40" +/- 1" REAR DECK HEIGHT**