



Afton Motorsports Park and Penn Cann Speedway 600cc Modified

CAR REQUIREMENTS & RULES

- * ALL CARS MUST REMAIN STOCK XCEL , NO MODIFICATIONS OF ANY KIND.
- * ANY OTHER FRAME MUST BE APPROVED BY TRACK OFFICIAL BEFORE RACING. MUST MEET STOCK SPECS.
- * OFFICIALS HAVE THE RIGHT TO CHECK ANYTHING ON ANY CAR AT ANY TIME

ECU

ALL ECU BOXES MUST BE UNLOCKED WITH STOCK SETTINGS NO EXCEPTIONS WE WILL BE CHECKING WEEKLY

TIRES

HOOISER or AMERICAN RACERS WILL BE PERMITTED 2023

*SAME BRAND NAME MUST BE ON ALL FOUR CORNERS

AMERICAN RACER

LR,FR,LF- 57/6.5 -10DT

RR -61/10 -10DT

HOOSIER

LR,LF,RF-57 X6.5 X 10 RD 15

RR, 61 X 10 X 10 RD 15 OR 20

- * NO DOCTOR PAD
- * NO NEEDLING
- * NO REGROOVING OF ANY TIRE WITH THE EXCEPTION OF RIGHT REAR BLOCK TREAD TIRE. GROOVING OF ORIGNAL TREAD PATTEN WITH #2 BLADE IS ALLOWED
- * NO SIPING
- * GRINDING OF TIRES AT TRACK IS ALLOWED WITH 36 GRIT SANDPAPER ONLY
- * DUROMETER READINGS WILL BE TAKEN .

RIMS

- * FRONT AND LEFT REAR 7 1/2-INCH-WIDE MAXIMUM
- * FRONT 3 INCH OFFSET ONLY
- * RIGHT REAR 8 1/2-INCH-WIDE MAXIMUM
- * NO DOUBLE BEAD LOCKS
- * 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
- * LR OFFSET: OUTSIDE OF LR TIRE TO FRAME BY LOWER INNER RUB RAIL

(18 INCHES MAXIMUM FOR OLD STYLE CARS)

(17 INCHES MAXIMUM FOR NEWER STYLE CARS)

HUBS

- * ALUMINUM ONLY

SPINDLES

- * STEEL SNOUT, 4 BOLTS TO HOLD STEERING ARM ON SPINDLES OR NEW SPINDLES & ARMS

STEERING

- * MUST BE RACK & PINION STEERING
- * NO ALUMINUM STEERING SHAFTS
- * NO ALUMINUM U- JOINTS
- * POWER STEERING WILL BE ALLOWED.

FUEL CELL

- * MUST BE 3 OR 5 GALLON

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 WEIGHT MUST BE INSIDE MAIN FRAME

RADIATOR

* STOCK FROM MOTORCYCLE ONLY

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 YOU SHIFT WHILE RACING YOU WILL GET SENT TO REAR.

* 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 IN. MASTER CYLINDER

WILWOOD # 2606764

US BRAKE # 201-2512

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

GAUGES

* TACH IS ONLY GAUGE THAT CAN BE CONNECTED TO WIRING HARNESS

* 3 GAUGES IN A CAR

OIL PRESSURE – WATER TEMPERATURE – TACHOMETER

* NO MORE THAN 3 ON/OFF SWITCHES IN CAR

1

START SWITCH – ON/OFF FOR ENGINE

2

IGNITION SWITCH – FAN OR LIGHTS ENABLING SIGHT TO GET IN AND FASTEN BELTS

3

RESERVED SWITCH – FOR HELMET BLOWER ONLY

BIRDCAGES

- * ALL SINGLE BEARING BIRD CAGES AND NEW RR & LR DOUBLE BEARING BIRD CAGES

MOTORS

ALL MOTORS MUST BE SEALED IN ORDER TO RACE, XCEL OR TRACK SEAL.
ALL MOTORS MUST BE STOCK

,
INJECTORS, CLUTCH, SPARK PLUGS
AND BLACK BOX

SPARK PLUGS:

- * SUZUKI STOCK # NGK CR9E ONLY
- * HONDA STOCK # NGK IMR9C9H
- * IF SEAL IS TAMPERED WITH, IN ANY SHAPE OR FORM, YOU ARE DISQUALIFIED.
- * NO AFTERMARKET DEVICES

MOTORS ALLOWED

- * YAMAHA 600 cc ONLY IF SEALED ECU AND MOTOR DONE BY XCEL
- * HONDA CBR 600 ONLY 2000 – 2006
- * SUZUKI GSXR 600 ONLY 2000 - 2010
- * 599 CC – NO CLEAN UP
- * “HONDA” STOCK FUEL REGULATOR ONLY
- * “SUZUKI” KINZLER ADJ. HIGH SPEED BYPASS
- * NO PILL BLOCK
- * 12 VOLT BATTERY ONLY
- * TACH WIRE MUST BE ACCESSIBLE TO OFFICIALS AT ALL TIMES

ENGINE PROTEST POLICIES

- * INCLUDED IN PROTEST ARE THE FOLLOWING:
ENGINE, WIRING HARNESS, BLACK BOX, EVERYTHING BUT HEADER AND AIR BOX
- * ALL ENGINE PROTEST 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 RETECHED
- * IF A PROTEST IS ON A TWO-DAY RACE EVENT, THE PROTESTED ENGINE WILL BE MARKED BY A OFFICIAL THE FIRST DAY AND WILL BE CONFISCATED AT THE END OF THE SECOND DAY
- * ALL PROTEST MUST BE IN WRITING TO KEITH BEACH WITH \$ 500 DOLLAR PROTEST FEE.
- * ONLY OWNERS CAN FILE AN ENGINE PROTEST
- * AN OWNER CAN PROTEST ONE ENGINE A NIGHT
- * TO PROTEST AN ENGINE, OWNERS CAR MUST HAVE FINISHED 7TH OR BETTER IN THAT

NIGHTS FEATURE

- * THE ENGINE THAT IS PROTESTED MUST HAVE FINISHED 7TH OR BETTER IN THAT NIGHTS FEATURE
- * INSPECTOR RECIEVES \$100.00 OF PROTEST MONEY NO MATTER OF THE OUTCOME
- * IF FOUND LEGAL:
OWNER OF PROTESTED ENGINE WILL RECEIVE \$400 AND RETURN OF ENGINE
- * IF FOUND ILLEGAL:
PROTESTER WILL RECEIVE \$400.00
OWNER OF ILLEGAL ENGINE RECIEVES MONETARY FINE AND SUSPENSION TO BE DETERMINED BY OFFICIAL

WHEEL BASE

- * 66 1/4 MINIMUM TO 67 3/4 MAXIMUM
BUMPER & NERFS

- * MUST BE STEEL AND STOCK FROM
.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

- * BEYEA
- *SCHOENFELD

EXHAUST

- * MUST BE STOCK
- * NO JET COATED HEADERS
- * NO CERAMIC HEADERS
- * NO STAINLESS-STEEL HEADERS

BATTERY

- * GEL BATTERY WILL BE ALLOWED
- * NO LITHIUM
- * PLAIN 5IN. BY 7 IN. LAWN MOWER BATTERY

RADIUS ROD

- * RF 11
- * LF 10 1/2
- * RR 14 3/8
- * LR 13 3/4
- * FRONT PAN HARD BAR 18 1/4

- * BACK PAN HARD BAR 21 1/2
 - * BACK PAN HARD BAR 23
 - * NO SPRING RODS
 - * NO BUMP RUBBER RODS
- HEIM ENDS
MUST BE STEEL BALL STYLE

FRONT AXLE

- * MUST PLATE ON AXLE
- * ONE PIECE STEEL AXLE

SEE DIAGRAM #3

WHEEL WIDTH

- * 63 INCH MAXIMUM

SEE DIAGRAM #4

FUEL

- * PUMP GAS ONLY – 93 OCTANE MAXIMUM
- * NO MENTHANOL
- * NO ADDITIVES

FUEL PUMP

- * FUEL PRESSURE 43 TO 51 FOR HONDA AND SUZUKI
- * MALLORY #4060FI
- * HOLLY RED
- * WALBRO
- * BLUE HIGH PRESSURE FUEL LINE ONLY

SHOCKS

- * IF SHOCK(S) IS NOT CRIMPED, OFFICIAL WILL CONFISCATE SHOCK(S) AND HAVE SHOCK(S) INSPECTED
- * STOCK SHOCK
- * BILSTEIN XCEL #1
- * ALL CARS MUST HAVE A BILSTEIN SHOCK ON EACH CORNER OF THE CAR
- * NO CUTTING SHOCKS APART OR CHANGING VAVLES
- * 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 FOUR 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 & SIDES
- * LETTERS IN FRONT, BACK OR IN NUMBER MUST BE 8 INCHES MINIMUM FOR TOP AND BOTH SIDES

BODY

- ALL BODYS MUST MEET XCEL 600 SPECS
- 4" MAX HEIGHT ON SPOILERS
- * MUST MEET ALL TEMPLATES
- * 6-2 1/2 INCH HOLES LF BOTTOM DOOR
(AIR FOR ENGINE)
- * HOLE IN HOOD FOR AIR 1 1/4 INCH BY 6 1/4 MAXIMUM
- * OPTIONAL LOUVERS FOR AIR BOX
- * NO SKIRTING BELOW FRAME 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

QUALIFYING

- * DRIVER QUALIFIES TO RACE
- * THE DRIVER CAN ONLY SIGN IN ONE CAR
- * IF SOMETHING HAPPENS IN HEAT RACE, DRIVER CAN RUN BACK UP CAR .

POINT SYSTEM

TRACK POINT SYSTEM RULES APPLY.

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

* STOCK BOOTS

- * 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
#33/2018
TWIN AIR
YAMAHA – RCO890

FRAME

- * ALL CHANGES TO FRAME MUST BE IN LETTER FORM EXPLAINING REASONS FOR CHANGES.
- * IF CHANGES ARE NOT APPROVED BY XCEL YOU WILL BE DISQUALIFIED
- * MUST REMAIN STOCK
- * NO CUTTING BARS
- * NO ADDING BARS
- * NO MOVING OF ANY BARS TO DIFFENT SPOTS
- * ENGINE MUST REMAIN STOCK POSITION
- * ALL CARS MUST HAVE ROCK SCREEN ON FRONT FOR DRIVER SAFETY

2011 OR NEWER CARS AND CARS WITH 2011

UPDATES

- * BATTERY IS IN BACK OF CAR
- * ALUMINUM ENGINE PLATES

TRANSPONDER

- * TRANSPONDER NUMBER MUST BE REGISTERED
- * MUST MEET MOUNTING SPECIFICATIONS AS SPECIFIED IN DIAGRAM

STARTS & RESTARTS

- * MUST BE IN RACE GEAR BY TURN #3
- * NO MORE SHIFTING ON STARTS OR RESTARTS
- * RESTARTS WILL BE DOUBLE FILE
- * ON RESTARTS, THE LEADER HAS A CHOICE OF INSIDE OR OUTSIDE LANE
- * THE LEADER STARTS THE RACE AND MUST START WITHIN THE TWO CONES
- * SINGLE FILE STARTS
- * WHEN LEADER HITS CONE, TRACK IS GREEN. YOU CAN ONLY PASS ON OUTSIDE TILL FLAGGER STAND

CAR INSPECTIONS

- * ALL CARS MUST BE INSPECTED BY TECH BEFORE CAR IS PERMITTED TO RACE
- * A CAR THAT IS NOT INSPECTED WILL BE DISQUALIFIED UNTIL CAR IS INSPECTED

REGISTRATION

- * CAR MUST BE REGISTERED
- * DRIVER MUST BE REGISTERED

MISCELLANEOUS

*** RACECEIVERS RADIOS ARE MANDATORY AND MUST BE WORKING DURING RACE

EVENTS. ***

- * HEAD & NECK RESTRAINTS ARE MANDATORY
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 CAN NOT HAVE ANY ELECTRICAL DEVICES (EX: CELL PHONE, CREDIT CARD W/ CHIP) ON PERSON OR CAR DURING ANY RACE EVENTS. RACECEIVERS ARE ALLOWED
- * TRANSPONDERS ARE MANDATORY
- * 1 IN CAR CAMERA ALLOWED IN CAR BUT CAN NOT 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

* 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 NIGHTS FEATURE

* ONLY OWNERS MAY APPROACH AN OFFICIAL, AT ANY TIME, IN TRAILER TO DISCUSS RACE EVENT AND PROCEDURES

ON TRACK MISCELLANEOUS

* NO SHIFTING ON STARTS OR RESTARTS

* DRIVER MUST BE IN RACING GEAR BY TURN #3

* IF YOU SPIN SOMEONE OUT, YOU WILL BE SENT TO REAR ALONG WITH THE DRIVER YOU SPUN OUT

* IF THE DRIVER YOU SPUN CAN NOT CONTINUE THE NIGHTS EVENTS, YOU WILL NOT PARTICIPATE ALSO

* IF A CAR FLIPS OR LANDS ON ITS SIDE, THE CAR IS FINISHED FOR THAT RACE

* IF YOU HAVE A FLAT TIRE ON ANY CORNER OF THE CAR DURING A RACE, YOU WILL BE SENT TO THE PITS AND BE ALLOWED TO CHANGE TIRE AND RETURN TO THE TRACK IF DESIRED, THEY WILL NOT HOLD FIELD FOR ANY LENGTH OF TIME.

* ROUGH RIDING WILL NOT BE TOLERATED

* IF YOU UNBOLT AND GET OUT OF THE CAR ON THE TRACK, YOU ARE FINISHED FOR THAT RACE