



## 2018 UNITED CHAMPIONSHIP RACING ALLIANCE RULES



PROMAXX PERFORMANCE FORD 351W CRATE

1-800-235-4323

Hr: 7:00 to 4:00 cst

Contact Jason Collins

**RACECIEVER REQUIRED BY EVERY DRIVER**

**TRANSPONSERS ARE REQUIRED IF OFFERD AT THE TRACKS**

The rules and/or regulations set forth herein are designed to provide for the orderly conduct of racing events and to establish minimum acceptable requirements for such events. These rules shall govern the condition of all events, and by participating in these events, all participants are deemed to have complied with these rules.

NO EXPRESSED OR IMPLIED WARRANTY OF

SAFETY SHALL RESULT FROM PUBLICATION(S) OF OR COMPLIANCE WITH THESE RULES AND/OR REGULATIONS.

They are intended as a guide for the conduct of the sport and are in no way a guarantee against injury or death to a participant, spectator, or official.

The race director shall be empowered to permit reasonable deviation from any of the specifications herein or impose any further restrictions that in his/her opinion do not alter the acceptable minimum requirements and/or in the fairness of competition.

NO EXPRESS OR IMPLIED WARRANTY OF SAFETY SHALL RESULT FROM SUCH ALTERATION OF SPECIFICATIONS. Any interpretation of deviation of these rules is left to the discretion of the officials, and their decision is final.

1. Series official's decision will be final. We cannot make the rules to fit everyone's needs and desires. So if you run, please be willing to go by the rules outlined.

2. All cars must cross scales before qualifying.

3. Top five (5) cars, must cross scales and post-race inspection.

4. Prize money will not be held for anyone. It must be picked up the night it's earned, by the **Driver Only**, with Picture ID. NO exceptions.

5. Any person caught drinking, using a controlled substance, fighting, or having any unacceptable behavior is subject to suspension. Terms of suspension will depend upon the violation and the recurrence. No points or money will be awarded to any driver violating policy. Unsportsmanlike conduct will not be tolerated on or off the track while attending an event. All drivers/crew are subject to sobriety testing. Any driver that is black flagged and does not adhere to the flag will forfeit prize money and points, and subject to suspension. Any driver or pit crew caught drinking alcoholic beverages or fighting at any race meet will automatically forfeit any money said car has won and points for that race meet. Any driver or pit crew-member that enters another driver's pit area will be deemed the aggressor.

6. Away from either driver's pit area both drivers and pit crew-members will be considered aggressors.

7. The aggressor or aggressors could receive the suspension.

8. Drivers should be aware that they will be held responsible for ALL members of their race team.

9. In the event of any Felony conviction of a driver or car-owner, the disciplinary action could be indefinite suspension from United Championship Racing Alliance beginning with the date of the conviction, or the date of the completion of any incarceration subsequent to said conviction, whichever date shall last occur. In the event the conviction is Drug related, that person may be subject to a Drug Test before returning to competition.

10. However, nothing shall prohibit the series Official's from administering any penalty, including immediate removal from the premises or permanent suspension of track privileges to driver, owner or pit crew member whose conduct, in the complete discretion of the series Official's represents a threat to the orderliness of track operations or the safety of others.

11. Any driver who enters grandstand area and/or proceeds to enter without an invitation and conducts him or herself in an un-sportsman like manner may be suspended.

12. An adult must accompany children under age 14 in the pit area at all times. And all children must stay clear of the Scale area at all times. Drivers, pit crew, members and spectators in the pit area, It is your responsibility to know where your children are at ALL times. Failure to do so could result in loss of pit privileges.

13. Unnecessary roughness on racetrack, the race will stop and the person or persons will be put into the pits.

14. To be the official leader of the race you must have completed the last complete green lap.

15. In the event of a caution, any car or cars that come to a stop due to being involved in the accident, the caution flag was displayed for will line up in the rear for the restart.

16. Any car for which the yellow flag is displayed for must restart in the rear.

17. Any car or cars caught illegal receives no money.

18. Refusing to obey series officials could result in laps taken away or suspended.

19. A driver going to the pits under yellow or red must go to the rear of the field.

20. Any driver that gets out of his or her car on the track under a caution or red flag will be put in the pits. Do not get out of your car unless you are prepared to go to the pits. The only time this rule will be excused is for safety reasons, fire, etc.

21. Driving in the pit area, it is the driver's responsibility to drive slow and under control at all times in pit area. Any driver that drives reckless or out of control at the discretion of series officials could lose all pit privileges.

22. No work can be done on racecars on track. All work on racecars must be done in pit area.

23. If a car sustains any damage on the racetrack that requires repairs, the car must go to the pits for the necessary repairs. Series officials or wrecker officials will not make repairs.

24. **Any car that brings out the Yellow Caution flag (3) times in a single car caution, car must go to the pits.**

25. Drivers will be paid according to laps completed. The payoff on a red and checkered flag will be the same as a restart.

2018 to-Start – Money: \$50 + Entry Fee, if Less Than 50% of Feature Race Laps Completed

2018 to-Finish – Money: Minimum of Double Paid Entry Fee if 50% or More of Feature Race Laps Completed

Purse Total has remained the same for 2018 with distribution paid back in certain positions stronger

26. All cars are subject to inspection by series officials at any time. Any car that loses fuel cell is subject to a \$100.00 fine.

27. Sign-in, it is the responsibility of the driver to sign-in under the correct name. Driver's name competing must match the sign-in sheet. In the event of a driver change officials must be

notified so sign-in sheet can be changed prior to the start of any competition of the driver's division. NO driver changes will be allowed once competition for that race has started. Competition being Time trials and/or Heat races and/or Last Chance races and/or Feature race.

28. Any car that pulls into the pit and re-enters the track under green and stops will be automatically put back into the pits. This applies on starts and or restarts.

29. Series official reserves the right to add weight to any car in order to offset any minor rule violations. Official's discretion will be utilized.

30. Any car caught that has lost a muffler or lead weight bars from their car may be fined \$50.00. Top 3 Cars will be checked at the scales.

31. **Pit boards, flashlights and any other signaling devices will not be allowed. Anyone caught doing so, will be subject to penalties.**

32. All drivers entering race track from pits under green, yellow or red must enter the racetrack on the designated straightaway only.

33. In the event of a driver intentionally hitting or running into someone's race car in hot laps, under caution or after the checkered flag, the penalty may be \$100.00 fine per hit and driver may be placed on probation for the remainder of the season. All fines must be paid before being allowed to compete in any event of United Crate Racing Alliance.

34. In the event a driver is suspended - that suspension will start at the next scheduled event and continue until completed. Rain outs are not included

**35. Points will be awarded as follows.**

- |           |            |            |            |                   |
|-----------|------------|------------|------------|-------------------|
| 1. 30 pts | 7. 23 pts  | 13. 17 pts | 19. 11 pts | (10 pts for show) |
| 2. 28 pts | 8. 22 pts  | 14. 16 pts | 20. 10 pts |                   |
| 3. 27 pts | 9. 21 pts  | 15. 15 pts | 21. 10 pts |                   |
| 4. 26 pts | 10. 20 pts | 16. 14 pts | 22. 10 pts |                   |

5. 25 pts      11. 19 pts      17. 13 pts      23. 10 pts
6. 24 pts      12. 18 pts      18. 12 pts      24. 10 pts

## CHANGES OR SUBSTITUTES

1. At the discretion of the Series Officials. Drivers may change cars at any time between qualifying and the start of the Main Feature. However, any change will result in the driver starting in the rear of his or her Heat race, Last Chance race and/or Feature race.

2. Drivers must notify the Series Officials of any desired change before the Race, so that Prize Money may be awarded correctly.

3. NOTE: For all races, once the field has been given the first green flag for a start, NO changes of car will be permitted, even if the start becomes void.

4. NO driver change allowed once competition has started. Competition being Time trials and/or Heat races and/or Last Chance races and/or Feature race.

2018 [United Crate Racing Alliance - UCRA](#) Rookie of the Year Criteria:

To be eligible for UCRA ROTY \$1,000 Championship racers can NOT have won any Late Model Series Championship or finished in any Top 10 in points in a series. Also no racer is eligible if they have won two (2) Late Model Series points races at any time in their racing career. Series includes; current and defunct status. Such as examples include, but are NOT limited to; Hav-A-Tampa, SAS, TN Thunder, Top Tracks, NeSmith, Fastrak, UDTRA, 9:1, SRRS and UCRA. The [United Crate Racing Alliance - UCRA](#) is a sanctioning body for Crate Late Model dirt racing and all rights and rules thereof are available to be adhered to on behalf of the United Crate Racing Alliance ©2017.

## TRACTION CONTROL DEVICES

1. All Traction Control Devices are strictly prohibited during any form of a United Crate Racing Alliance event, race or practice/test session.

2. Any traction control device utilizing wheel sensors or any means of measuring ground speed to control wheel spin are strictly prohibited.

3. Any remote controlled device inside or outside the cockpit of any competitor's racecar are strictly prohibited.

4. A competitor found with any of the above mentioned will lose the complete device permanently and will be disqualified and may be suspended.

5. There is a \$400.00 claim rule on all ignition boxes.

## STARTS

1. We will continue to use the green light system. This system will be used for all initial starts for Heats, Last Chance and/or Features.

2. The green light at the end of the front straightaway is under the control of the Flagman and will be used on all initial starts.

3. After the "one lap to go" signal has been given, the field must maintain an orderly, controlled pace around to turn 4, with the front row running side by side. Provided that the lineup is good, the race will be started at some point between exiting turn 4. The race will not start until the green light is switched on.

4. Anticipating the start or firing before the start will be considered a penalty and the offending driver or drivers will be put back one row.

5. In the event of a caution, before the first lap is complete, due to a multi car accident, the field will be lined-up for a complete restart in the original grid order, provided there are no penalties to be assessed. In the event you go in the pits you must be back on the track to take the "one lap to go" signal to get your original starting position back, if not you must go to the rear.

## DOUBLE FILE RE-STARTS

1. When a caution flag occurs after the first lap is completed, the cars will line back up single file. When officials conclude every car is in their proper position, the double up signal will be given to the field and the leader will move up to the front row alone, while the rest of the field will take double file positions with second place inside and third place outside. Subsequent rows will follow in this order.

2. On double file re-starts the leader starts the race exiting turn 4. The cars behind the leader must not change lanes until they pass the flag stand. Cars must not "lay back" in an attempt to get a roll or run on the cars in front of them.

3. Any car that is judged to be jumping the start will be penalized one spot. If the same car is judged to be jumping a second time in the same race, it will be penalized to the rear of the field.

4. Any driver who comes to a stop during the race, and in the opinion of the Officials, has done so deliberately to cause a re-start, will be put to the rear before the race is re-started.

## FLAGS

GREEN FLAG: Start the race.

YELLOW FLAG: Everyone slow down to a safe speed and follow the car you were behind the last green lap. You will be lined back up on the track where you were running, not the position that you are running.

RED FLAG: This flag means danger, stop as quickly as possible. Do not pass the flagman when this flag is displayed. The cars will be again lined up as they were running on the last green lap.

BLACK FLAG: This flag means pull into the pits.

LAP FLAG: Blue with a yellow stripe. Displayed to cars being lapped, must allow lead cars to pass.



WHITE FLAG: One lap to go.

CHECKERED FLAG: Finish the race is over.

*United Crate Racing reserves the right to delete, change, or amend rules in the interest of competition.*



### PROTEST FEES

1. GM 604; GM602; Promaxx 351W Ford protest fee \$800.00
2. One Head and Oil Pan
3. Based on the findings of the technical inspection at this point, and in the discretion of the technical director. A determination will be used if further disassembly is needed for more inspection.
4. UCRA Technical Director will BE the sole technical inspector.
5. If any parts are suspicious in illegality, the parts will be confiscated by UCRA official for further evaluation.

### PROTEST RULES

1. The only car that can be protested is the WINNING CAR, the ONLY one that can protest the WINNING CAR is the SECOND PLACE FINISHER. All protest must be filed along with protest fee (CASH ONLY) to the inspector within 5 minutes of the completion of the race. Within the Top five (5) finisher, the E85 Fuel can be protested. \$100.00 protest fee, (20% to UCRA)
2. Refusing to tear down, you automatically forfeit all prize money and points for that race.

3. If you teardown and are found illegal you automatically forfeit all prize money and points for that race and you will be placed on probation for the remainder of the season, and a \$100.00 fine each time you refuse to teardown.

4. Teardown time 2 hours maximum from the time the inspector gives permission to start. If more than one item is protested inspector may allow extra time for teardown.

5. Protested car may have two people in the area at teardown. Two to tear down and the third being driver/owner or representative. Protesting driver is the only person allowed in protest area. All persons in the area will conduct themselves in a sportsman like manner. If not, Inspector CAN and WILL call off the protest, disqualify or bar persons that do not behave accordingly. The moment teardown or inspection begins United Crate Racing Alliance will retain 20% of all protest fees regardless of the outcome. If driver refuses to tear down the driver that filed the protest will be refunded 100% of his or her money. If protested driver is found legal he or she will receive 80% of money filed by protesting driver. If the car is found illegal the protesting driver will be refunded 80% of his or her money.

6. Inspector's discretion will be utilized in determining cars legality, Ruling will be final.

7. During teardown all oil and antifreeze must be drained into approved container, located in the center of pits. Anyone caught dumping oil or antifreeze on the ground will be suspended.

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GM 604 Motors will be allowed to be bored .20 over.

Certified engine builder must use UCRA "+.20 seals" following engine work.

Engine must completely conform to UCRA specifications, and use determined pistons and parts.

Car will also have to add 50 lbs. to total weight.

Fuel can be protested.

Any top 5 feature finisher may protest any top 5 competitor.

Protest fee is \$100 (20% to UCRA).

Percentage (ethanol to gasoline) will be checked.

Must check 85 +/- (2). Tolerance will be 83-87 only.

Fuel must be clear. (No red, purple, green, etc.)

If determined illegal by UCRA officials, the car/driver will be disqualified from the event.

Car bodies are allowed 72" deck width  
Car bodies are allowed 37" deck height (+/- 1" tolerance)

ONE Shock per wheel; may run dummy shock or chain on left rear

All Four Bars must be Solid Rods with Heim Joints on each end

Engines must meet GM factory specs and rebuilt engines must meet GM rebuild specs

Must have all GM parts

Assemble height on GM 604 engine can be no less than 1.780"

Must have GM 604 stock valve springs

All engines must have factory GM sealing bolts, any Crate Sanction Seal System Allowed

No Black Market Seals, Any other Seal System call for Approval

604 Engine 1" max Carburetor Spacer  
- No Spacer can protrude intake in any way

602 Engine 2" max Carburetor Spacer  
- No Spacer can protrude intake in any way

No Tri-Y Headers

Mufflers may be required at certain tracks

Engine placement 7" from center of Ball Joint to #1 Spark plug

12" Spoiler and Sides Max

Racing Gas or E85 Only

**Tires:**

Front Open

Rear Hoosier 1600 or Equivalent, American Racer 56 or Equivalent  
- All Hoosier Tires must be shoulder-plated tires

All Rear Tires Must Punch 55

Sipe and Grooving Allowed



No Grinding off of numbers or compound

Any Tire that has been altered will be illegal and confiscated

All tires will be checked with a durometer

No Chemical treating of tires allowed

All tires subject to sampling at any time

Tires will be confiscated until Tire Sample is returned.

Tire Sample Fee: \$150.00

The Top 5 finishers in each Feature will report to tech immediately after the race

All Engines are subject to impound and teardown by The UCRA

All UCRA Races will start 24 cars maximum in the Feature

After the 2nd race of the season, positions 23rd and 24th will be filled by points Provisionals

First two races of the Racing Season; 23rd and 24th positions will be filled by previous seasons top two in points out of the top Ten in Points

A (1) one pound per scored lap fuel burn-off tolerance will be allowed following the FEATURE only. No other weight tolerance

All drivers who sign in and attempts to qualify and runs a UCRA heat race will receive 10 points for show. In the event you are DQ in last chance or feature you will still receive you show up points, but no money.



## FORMAT

All cars will qualify two (2) laps; to determine their starting position in heat races. All cars will run heat races. Number of heat races to be determined by car count. Last Chance Race if needed and number of last chances races is determined by car count.

Heat Races, Last Chance Races and Provisional will determine the 24 car starting field

### HEAT RACES 10 LAPS LAST CHASE RACE 12 LAPS TIME LIMITS MAY APPLY FEATURE 40 LAPS

#### GENERAL MOTORS FACTORY ENGINE SPECIFICATIONS

Engine Weight (As Sold)	434 Lbs	375 Lbs
HP & Torque	350 @ 5000 rpm	400 @ 4500 rpm
Torque	390 @ 4000 rpm	400 @ 5500 rpm
Bore	3.998" - 4.001"	3.991" - 4.001"
Compression Ratio	9.1-1	9.6-1
Block Casting Number	10243880 or 14093638	10243880
Deck Height	9.025" +/- .001"	9.025" +/- .001"
Crankshaft Type	Cast Iron	Forged Steel
Crankshaft Casting Number	14082586	14088532
Piston Type	Cast Aluminum	Hi-Silicon Alum
Diameter	3.996"	3.998" - 3.999"
Valve Relief Type	4 reliefs	4 reliefs
Dished or Dome	Dished	Flat
Piston Weight (Piston Only)	598 / 512 * grams	533 grams
Piston Pin Weight	144 / 159 * grams	
Connecting Rod Length	5.7"	5.7"
Connecting Rod total wt +/- 10.0 grm	604.15 Grams	604.15 Grams
Connecting Rod Upper End	180.3 Grams	180.3 Grams
Connecting Rod Lower End	424.1 Grams	424.1 Grams
Camshaft Type	Hyd	Hyd Roller
Camshaft Lift (int / exh measured @ valve)	.435" / .460"	.474" / .510"
Camshaft Lobe Lift: (int / exh)	.290" / 306"	.316" / .340"
Duration @ .050" (int / exh)	212 / 222	208 / 221
Camshaft Lobe Centerline	112.5 degrees	112 degrees
Rocker Arm Type	Stamped Steel	Roller Rocker
Rocker Arm Ratio	1.5	1.5
Head Gasket Type	Composite / Steel	Composite

Thickness	.028"	.051"
Cylinder Head Type	Iron Vortec	Aluminum
Casting Number	12558062	12367712
Valve Sizes	1.94" / 1.50"	2.00" / 1.55"
Combustion Chamber CC's (+/- 1-2 cc)	64	62
Intake Port CC's (+/- 1-2 cc)	170	205
Exhaust Port CC's (+/- 1-2 cc)		77
Normal Oil Pressures	40 psi @ 2000 rpm	40 psi @ 2000 rpm

**\*Note: \*signifies 19258602 engine part specifications**

**No Deck Surfacing after 1<sup>st</sup> Rebuild**

**No Angle Milling of Cylinder Heads to Increase Compression Ratio**

**No Modifications to: Rods or Pistons**

**Crankes may be turned .010 NO off set grinding**

<b>PROMAXX PERFORMANCE FORD 351W CRATE ENGINE SPECIFICATIONS</b>	
<b>DESCRIPTION</b>	<b>351W</b>
ENGINE WEIGHT	400LBS
BORE	4.030
STROKE	3.5
COMPRESSION RATIO	10 TO 1
BLOCK TYPE	CAST IRON
DECK HEIGHT	9.5
CRANKSHAFT TYPE	CAST IRON (POSSIBLE FORGED)
CRANKSHAFT WEIGHT	55.2LBS
PISTON TYPE	HI SILICON ALUMINIUM (POSSIBLE FORGED)
PISTON VALVE RELIEF	2 RELIEFS
PISTON CROWN	FLAT TOP
PISTON WEIGHT	786 W/PIN
CONNECTING ROD LENGTH	5.955
CONNECTING ROD WEIGHT	695
CAMSHAFT TYPE	HYDRAULIC ROLLER
CAMSHAFT LIFT (INT/EXH)	.474/.510
CAMSHAFT LOBE LIFT (INT/EXH)	.316/.340
CAMSHAFT DURATION @ .050	208/221
CAMSHAFT LOBE CENTERLINE	112
ROCKER ARM TYPE	ALUMINIUM ROLLER ROCKER
ROCKER ARM RATIO	1.6
HEAD GASKET TYPE	COMPOSITE
HEAD GASKET THICKNESS	0.041
HEAD TYPE	ALUMINIUM

VALVE SIZES	2.02/1.60
COMBUSTION CHAMBER CC'S (+/-2CC)	63CC
INTAKE RUNNER CC'S	175CC
EXHAUST RUNNER CC'S	77CC
FIRING ORDER	13726548
INTAKE TYPE	ALLUMINIUM SINGLE PLANE

No Deck Surfacing after 1<sup>st</sup> Rebuild

No Angle Milling of Cylinder Heads to Increase Compression Ratio

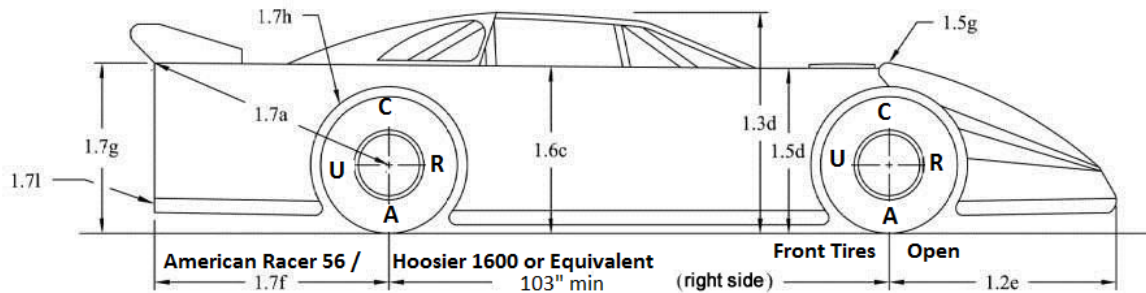
No Modifications to: Rods or Pistons

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**UNITED CRATE RACING ALLIANCE CRATE LATE MODEL SIDE DIMENSIONS**

- 1.2e - Stock Nosepiece can extend a maximum of fifty-two inches (52") from center of front hub to farthest point extending forward.
- 1.3d - Roof height must be between forty-five (45") and forty-eight inches (48") from the ground.
- 1.5d - Front fenders can not exceed thirty-seven inches (37") in height measured from the ground.
- 1.5g - The front fender flares may not be higher than fenders by more than two inches (2").
- 1.6c - Doors can not exceed thirty-seven inches (37") in height measured from the ground.
- 1.7a - Fifty-two inches (53") maximum center of rear hub to top corner of quarter panel.
- 1.7f - Forty-eight inches (48") maximum length from center of rear hub to end of quarter panel.
- 1.7g - Thirty-eight inches (38") maximum height from top of deck to ground.
- 1.7h - Minimum of two inches (2") tire clearance from body.
- 1.7i - Any skirting can not extend beyond the quarter panel.



United Crate Racing Alliance Crate Late Model Side view dimension

