

# U-CAR Rules 2018

**1. COMPETING MODELS:** 1980 or newer 4 cylinder front wheel drive 4 passenger 2 or 4 door sedans are allowed. No rear wheel drive vehicles allowed.

**2. GENERAL BODY:** Wheelbase must remain within +/-1/2 inch of stock factory wheelbase. The body, frame and suspension must remain completely stock! No Bracing allowed anywhere. All cars must have a hook or other means, front and rear, for a wrecker to hook to.

### **3. BODY REQUIREMENTS:**

Body must remain stock unless stated below.

- Plastic front inner fenders may be removed. All metal inner structure must remain stock.
- All door inner shells must remain intact except driver's door to allow for cage.
- All doors must be welded shut.
- All door jambs and lock pillars must remain stock.
- Hood and deck lid must remain stock even the hinges must be stock and in working order. A minimum of 2 steel hood pins must be used to secure the open side of the Hood and deck lid.
- Firewalls must be stock front and rear. Do not remove anything. Rear firewalls must remain stock and covered.
- All interiors must be removed along with flammable material (seats, headliner, carpet, door panels, etc.)
- The dash must remain complete and stock. The radio and heater/ac controls may be removed.
- Stock steering column required.
- No front or rear spoiler allowed.
- No air ducts, scoops, etc
- Side windows permitted must be made of lexan

**4. GLASS:** All glass & lexan removed. Screen or 4 bars or both in front of driver

**5. WEIGHT:** No weight can be added at any location on car.

### **6. ENGINE REQUIREMENTS:**

- 4 cylinder engines only, no quad 4, twelve valve, turbo or super charged engines.
- Must be completely stock for year model with stock engine mounts.
- NO aftermarket high performance parts allowed. All parts must be OEM.
- NO dual overhead cams allowed.
- compression can't be raised more than 1/2 point over stock for that make and model
- compression will be checked with a Katech Whisler

- 7. DETAILED ENGINE REQUIREMENTS:** Engine displacement must be stock as manufactured No polishing or weight reduction of internal engine components. All OEM cast number must remain intact and unaltered. Stock or stock replacement pistons only. Stock injectors for 2.2 oem, no 2.4 injectors allowed
- 8. CYLINDER HEAD:** Heads must remain stock. All related parts must remain stock for make of engine. No high performance or high compression heads allowed.
- 9. CAMSHAFT:** Stock factory production camshafts only.
- 10. INTAKE MANIFOLD:** Stock production for make and model. No aftermarket manifolds allowed.
- 11. CARBURETOR/FUEL INJECTIONS:** Must remain stock. No turbo or superchargers.
- 12. CARBURETOR SPACERS:** No aftermarket spacers allowed.
- 13. AIR CLEANER:** Air cleaners must be stock
- 14. ENGINE - CAR ELECTRICAL SYSTEM:** Only standard electrical system allowed. No aftermarket or high performance components allowed. Stock ignition chip must be used.
- 15. BATTERY:** Only one (1) 12V battery allowed. Battery must be located under hood or in truck in secured battery box.
- 16. COOLING SYSTEM:** Stock cooling system only. **No antifreeze.** No racing radiators. Stock fans only. Fans may be wired to run continuously. A/C system must be discharged. Condenser and pump may be removed.
- 17. ENGINE LUBRICATION:** No oil coolers or remote oil filters. Stock production only.
- 18. EXHAUST SYSTEM:** Exhaust must be factory stock for year, make, and model. Exhaust pipe must extend past driver to side of car and maintain a minimum of 6" ground clearance. Only one (1) exhaust pipe permitted. **MUFFLERS – ALL CARS ARE REQUIRED TO BE EQUIPPED WITH MUFFLERS.** No headers allowed except for Ford GT Escort can use OEM header only
- 19. TRANSMISSION:** Transmission must remain completely stock for make model. Manual or automatic allowed but must not be altered. All forward and reverse gear

Must be operable from driver's compartment. Flywheels must be stock and unmodified

**20. TRANSAXLE:** Must remain completely stock for make and model. No locked differential.

**21. WHEELS/TIRES:**

- All tires must be DOT approved tires. No Hoosier tires allowed
- Passenger Car tires only. No Performance or Low Profile Tires allowed
- All tires must be same size
- No altering of thread patterns by any means
- No grooving, siping, altering of tire compounds by any means or soaking of tires
- All tires must punch 60 or harder on tire durometer
- Tires must have Brand name, Size and rating present
- Production type wheels only, No aftermarket wheels of any kind permitted

**22. FRAMES:**

- All frames and sub-frames must be stock. No reinforcements allowed. The stock Steel floor pan must be unaltered.
- Frame rails and sub frames must be stock for make model.

**23. SUSPENSION:**

- Suspension parts must remain stock for make and model, no spacers etc.
- Racing springs allowed but must be stock length and diameter
- Bushings must be of OEM rubber
- Shocks must be mounted in exactly as stock. NO RACING SHOCKS
- Steel body shocks only, The only exception is the right front wheel which can be modified to maximum of 5 degree's of camber
- NO MODIFYING OF REAR SUSPENSION, AND REAR END MUST BE SQUARE IN CAR

**24. STEERING:** Stock steering components only, stock steering column only, removable steering wheel optional.

**25. BRAKES:** Standard production brake components only. No brake bias or balance bar allowed. Brakes must work on all 4 wheels at all times.

**26. FUEL SYSTEM:**

- No additives.
- Fuel cell recommended, 8 gallons maximum. No outside filler neck.
- Fuel cell, if used, must be mounted in trunk area and be strapped and bolted down To trunk floor. Fuel cell cannot be recessed into trunk floor. All gas lines must run under car.
- Minimum 4 straps on fuel cell, 2 in each direction.
- An external electric fuel pump may be used and must be mounted in the trunk in a

Safe manner. **No regulators of any type allowed**

**27. SAFETY** :All drivers must attend the driver's race meeting each week.  
. At all times, before going onto the race track, drivers must wear an approved helmet, driver's uniform. The window net must be secured in The proper position. Fire extinguisher must be mounted within drivers reach.

**28. WINDOW NET:** A driver's side window net must be installed with quick release as per Winchester Speedway rules. No rope window nets allowed.

**29. SEAT/BELTS:** Racing type seat must be mounted securely to the roll cage. 5 or 6 point racing seat belts and shoulder harness is mandatory and must be installed per manufacture's guidelines.

**30. MIRROR:** No mirrors allowed.

**31. ROLL CAGE:**

--4 or 6 point roll cage. Must be attached to (4) or (6), ¼ by 2 ½ steel plates welded to frame rails.

--Driver's door must be reinforced with 3 door bars (1 ½ by .095 wall seamless steel tubing)

--Only remove enough metal from the driver's door to insert roll bars. No sharp edges.

-- Driver's door bar(s) and all bars within drivers reach must be padded.

-- Door bar(s) on driver's side may be plated outside with 1/8 steel.

-- No bars may go through firewall or rear compartment into trunk.

-- X Bracing behind drivers seat mandatory

-- Window post bars mandatory

-- Brain bar mandatory

**32. IDENTIFICATION: All cars must comply with the following identification And markings requirements:** Numbers must be at least 24 inches high and neatly painted on both sides of the car on the center of door. A number 24 inches high must be painted on the roof, reading from the driver's side. The use of number decals is acceptable if the number is legible.

**33. RACECEIVER:** RaceCeiver Radios and Transponders will be mandatory for 2011

**34 FUEL:** No racing fuel of any kind. Pump gas only with Octane of nothing higher than 93. Fuel will be checked

**35 Weight:** 2450lbs

36. This is a stock class, IF IT DOESN'T SAY YOU CAN DO IT, (YOU CAN'T)

**THIS IS ALSO A BEGINNER OR ROOKIE CLASS, THIS CLASS IS FORMED TO HELP GET DRIVERS INVOLVED INEXPENSIVELY, AND FOR DRIVERS TO ACHIEVE EXPERIENCE TO MOVE ON TO ONE OF OUR FOUR UPPER CLASSES.**