

NOBLE ARMOR COATINGS BUCKEYE MINI STOCKS

BODY

- 1. ANY FRONT WHEEL DRIVE, COMPACT CAR WITH A WHEEL BASE OF A MINIMUM 96.5" AND A MAXIMUM OF 109" WILL BE PERMITTED FOR COMPETITION. STATION WAGONS, CONVERTIBLES, TRUCKS, AND/OR TWO SEAT CARS WILL NOT BE PERMITTED.**
- 2. THE BODY MUST REMAIN UNALTERED AND OEM IN APPEARANCE. NO AFTERMARKET NOSE COVERS PERMITTED. STOCK FOR YEAR, MAKE AND MODEL ONLY.**
- 3. THE INNER FENDERS HIGHLY RECOMMENDED TO BE STOCK AND UNALTERED.**
- 4. THE HOOD AND TRUNK LID/ HATCHBACK MUST BE POSITIVELY AND SECURELY FASTENED.**
- 5. ALL DOORS MUST BE POSITIVELY AND SECURELY FASTENED. MUST BE WELDED IF POSSIBLE.**
- 6. ALL GLASS, EXTERIOR LIGHTS, CHROME AND/OR PLASTIC TRIM AND HOOD INSULATION MUST BE REMOVED.**
- 7. THE DASHBOARD MAY BE REMOVED.**
- 8. FRONT AND REAR BUMPERS MUST BE POSITIVELY AND SECURELY FASTENED. WELDED, CHAINED AND/OR CABLED TO THE FRAME WILL BE PERMITTED.**
- 9. A FRONT AND REAR TOW HOOK EASILY ACCESSIBLE WILL BE REQUIRED.**
- 10. THE OEM BUMPER COVERS MUST REMAIN ON THE VEHICLE, BUT MAY BE ALTERED TO ALLOW FOR TOW HOOK.**
- 11. A MAXIMUM SEVEN (7) INCH SUN VISOR WILL BE PERMITTED.**
- 12. THE OPERA WINDOWS MAY BE CLOSED AND /OR SEALED.**

ROLL CAGE

- 1. UNLESS OTHERWISE NOTED ALL TUBING UTILIZED IN THE CONSTRUCTION OF THE ROLL CAGE MINIMUM 1.50-INCH OUTSIDE DIAMETER, .095-INCH THICK MAGNETIC STEEL TUBING.**
- 2. A SIX-POINT, FULL PERIMETER, USING MINIMUM 1.50-INCH OUTSIDE DIAMETER, .095-INCH THICK MAGNETIC STEEL TUBING IS REQUIRED.**
- 3. A MAXIMUM OF TWO (2) REAR DOWN BARS MAY BE USED TO SUPPORT THE HOOP. THESE BARS MAY RUN FROM THE TOP OF THE HOOP BEHIND THE DRIVER AND EXTEND TO THE TRUNK AREA. A SINGLE CROSS BAR OR "X" MAY BE USED BETWEEN THESE DOWN BARS. REAR DOWN BARS MUST BE ATTACHED TO THE TRUNK FLOOR. MAIN CAGE MUST HAVE AT LEAST TWO (2) BARS RUNNING LEFT TO RIGHT BETWEEN THE UPRIGHTS BEHIND THE DRIVER. ONE (1) AT FLOOR LEVEL AND ONE (1) AT SHOULDER HEIGHT OF DRIVER.**
- 4. A MINIMUM 1.25-INCH OUTSIDE DIAMETER CROSS BAR IS REQUIRED ACROSS THE TOP OF THE HALO BAR.**
- 5. THE ROLL CAGE MUST BE SECURELY FASTENED (WELDING IS REQUIRED) UTILIZING A MINIMUM OF .250-INCH PLATING TO MOUNT CAGE TO THE FRAME. ONLY MAGNETIC STEEL WILL BE PERMITTED. IRON, GALVANIZED PIPE, FITTINGS, SQUARE TUBING, BRAZING AND/OR SOLDERING WILL NOT BE PERMITTED.**
- 6. A MINIMUM OF THREE (3) DOOR BARS ON THE DRIVER SIDE AND TWO (2) DOOR BARS ON THE PASSENGER SIDE, MOUNTED IN A HORIZONTAL MANNER WILL BE REQUIRED. VERTICAL BRACING FROM THE TOP-TO-THE-BOTTOM OF THE DOOR BARS ON BOTH SIDES IS REQUIRED.**

7. IF YOU ARE COMING TO RACE SHADYBOWL ONE TIME AND DON'T HAVE A FULL LEXAN WINDSHIELD A MINIMUM OF THREE (3) WINDSHIELD BARS (ARE REQUIRED) AND PROTECTIVE SCREEN WILL BE REQUIRED (WITH NO WINDSHIELD). 2ND RACE YOU MUST HAVE A FULL LEXAN WINDSHIELD. IF YOU ARE RACING SHADYBOWL WEEKLY YOU WILL BE REQUIRED TO HAVE A FULL LEXAN WINDSHIELD.

8. THE DRIVER COMPARTMENT MUST BE SEALED COMPLETELY FROM THE TRACK, THE ENGINE AND THE FUEL CELL. THE FRONT AND REAR FIREWALLS MUST REMAIN AND ANY HOLES MUST BE PATCHED WITH MAGNETIC STEEL.

9. MIRRORS WILL NOT BE PERMITTED.

10. GUTTING OF THE CAR WILL NOT BE PERMITTED WITH THE EXCEPTION OF CLEARANCE FOR THE ROLL AND DOOR BARS.

11. ALL MATERIAL CONSIDERED FLAMMABLE INCLUDING AIRBAGS MUST BE REMOVED.

12. THE INTERIOR MUST REMAIN OPEN.

WEIGHT

1. MINIMUM WEIGHT PERMITTED FOR COMPETITION WILL BE 2350 LBS. 55% LEFT SIDE WEIGHT, 45% RIGHT SIDE WEIGHT. CHECK YOUR WEIGHT, ADDITIONAL LEAD MAY BE REQUIRED FOR EXCEPTIONALLY LIGHT CARS.

FUEL CELLS AND FUEL

1. THE FUEL SYSTEM MUST BE COMPLETE, UNALTERED AND OEM FOR THE YEAR, MAKE AND MODEL OF THE CAR IN COMPETITION.

2. FUEL ONLY. PERFORMANCE ADDITIVES WILL NOT BE PERMITTED. FUEL SAMPLES WILL BE TAKEN AT RANDOM!!!

- 3. THE GAS TANK/FUEL CELL MAY BE MOUNTED AHEAD OF THE REAR AXLE WITH A MINIMUM 1/8 INCH SHIELD MOUNTED UNDER IT.**
- 4. IF THE GAS TANK/FUEL CELL IS MOUNTED BEHIND THE REAR AXLE THE GAS TANK/FUEL CELL MUST BE REPLACED WITH A MAXIMUM EIGHT (8) GALLON FUEL CELL RELOCATED TO THE TRUNK AREA OF THE CAR. THE CELL MUST BE SOLIDLY MOUNTED TO FRAME AND HAVE TWO (2) SOLID MAGNETIC STEEL STRIPS AROUND THE ENTIRE CELL TWO (2) INCHES WIDE AND .125-INCH THICK. A MAGNETIC STEEL OR FUEL CELL COVER MUST BE BETWEEN THE DRIVER AND THE FUEL CELL.**
- 5. A FUEL CELL VENT, INCLUDING CAP VENT, MUST HAVE A CHECK VALVE. IF THE FUEL CELL DOES NOT HAVE AN AIRCRAFT-TYPE POSITIVE SEAL FILLER NECK, THEN A FLAPPER, SPRING AND/OR BALL TYPE FILLER ROLL-OVER IS MANDATORY.**
- 6. EXTERNAL ELECTRIC FUEL PUMP WIRED TO THE IGNITION SWITCH WITH AFTERMARKET FUEL CELL WILL BE PERMITTED.**
- 7. ALL CARS MUST BE EQUIPPED WITH A FUEL PUMP SAFETY OIL PRESSURE SWITCH.**
- 8. COOL CANS WILL NOT BE PERMITTED.**
- 9. FUEL LINES THAT PASS THROUGH THE DRIVER COMPARTMENT MUST BE MAGNETIC STEEL.**

EXHAUST SYSTEM

- 1. THE EXHAUST MANIFOLD MUST REMAIN UNALTERED AND OEM FOR THE YEAR, MAKE AND MODEL OF THE CAR IN COMPETITION. NO EXCEPTIONS!!**

2. REMOVAL OF THE CATALYTIC CONVERTER, AIR CONDITIONING COMPRESSOR AND SMOG PUMP WILL BE PERMITTED.

3. 48" 1.75 EXHAUST PIPE EXITING ON EITHER SIDE MUST BE POSITIVELY AND SECURELY FASTENED AND WILL BE MANDATORY FOR ALL CARS.

ENGINE COMPARTMENT

1. THE ENGINE AND RADIATOR MUST BE OEM AND MOUNTED IN THE STOCK OEM LOCATION FOR THE YEAR, MAKE AND MODEL FOR THE CAR IN COMPETITION.

2. SOLID ENGINE MOUNTS AND/OR SAFETY CHAINS WILL BE PERMITTED.

3. ACCUMULATORS AND/OR ACCUSUMPS WILL NOT BE PERMITTED.

4. REINFORCING WILL NOT BE PERMITTED WITH THE EXCEPTION OF THE FRONT STRUT BAR, AND FRONT/REAR BUMPER. BAR MAY NOT PROTRUDE OUTSIDE THE OUTER EDGE OF THE FACTORY BUMPER.

ENGINE

NO JDM CONVERSIONS. ENGINES MUST HAVE BEEN AVAILABLE IN AMERICA. ENGINE MUST HAVE BEEN AVAILABLE IN BODY IT'S INSTALLED IN FROM FACTORY. NO VTEC HEADS PERMITTED.

1. ONLY THREE (3) OR FOUR (4) CYLINDER IN-LINE ENGINES (AMERICAN OR IMPORT) OR AMERICAN MADE V-6 ENGINES WILL BE PERMITTED. (ANY ENGINE CAN BE SINGLE CAM OR DOHC WITH NO HEADER, STOCK AIR BOX, NO ADJUSTABLE CAM, NO SOCKETED OR CHIPPED ECU, STOCK ECU ONLY) NO VTEC HEADS PERMITTED!! NO ADJUSTABLE CAM GEARS.

2. ENGINE AND ALL ENGINE COMPONENTS, INCLUDING INTAKE/EXHAUST MANIFOLD MUST REMAIN UNALTERED AND OEM FOR THE YEAR, MAKE AND MODEL OF THE CAR BEING USED IN COMPETITION.

3. ALL VALVE-TRAIN COMPONENTS MUST REMAIN UNALTERED AND OEM INCLUDING BUT NOT LIMITED TO: CRANKSHAFT, CONNECTING RODS, VALVES, VALVE SIZES, AND THE BORE AND STROKE FOR THE YEAR, MAKE AND MODEL OF THE CAR BEING USED IN COMPETITION.

4. AFTERMARKET AND/OR RACING-TYPE CYLINDER HEADS WILL NOT BE PERMITTED.

5. HIGH PERFORMANCE AND/OR SPORTS CAR ENGINES OF ANY TYPE WILL NOT BE PERMITTED.

6. TURBO CHARGED AND/OR SUPER CHARGED AND/OR ROTARY ENGINES AND/OR ENGINES UTILIZING A VARIABLE CAM/VALVE TIMING SYSTEM WILL NOT BE PERMITTED. NO ADJUSTABLE CAM GEARS.

7. ENGINES MAY BE COMPRESSION TESTED AT RANDOM. REFUSAL WILL RESULT IN A DNS OR DNF.

8. ANY COMPLETE ENGINE CAN BE CLAIMED BY THE TRACK FOR \$800 IF THE TRACK FEELS THE ENGINE HAS BEEN ALTERED INSIDE, COMPLETE WITH INTAKE, EXHAUST, STARTER, ANYTHING BESIDES TRANSMISSION.

ELECTRONICS AND IGNITION SYSTEM

1. ALL IGNITION COMPONENTS MUST BE UNALTERED, OEM AND MATCH THE YEAR, MAKE AND MODEL OF THE CAR IN COMPETITION. ONLY 12 VOLT IGNITION SYSTEMS WILL BE PERMITTED.

3. TRACTION CONTROL OF ANY TYPE WILL NOT BE PERMITTED.

4. ONLY ONE TWELVE (12) VOLT BATTERY, SECURELY MOUNTED WITH BOTH TERMINALS COVERED WILL BE PERMITTED. IF BATTERY IS MOVED FROM OEM LOCATION, THE BATTERY MUST BE MOUNTED IN A MARINE-TYPE CASE.
5. ONLY STOCK OEM STARTERS IN THE OEM LOCATION WILL BE PERMITTED.
6. ONLY ONE AFTERMARKET TACHOMETER, OIL PRESSURE AND WATER TEMPERATURE GAUGE(S) WILL BE PERMITTED.
7. THE VEHICLE COMPUTER (ECU) MUST BE MOUNTED IN A VISIBLE LOCATION PROVIDING EASE OF INSPECTION.
8. AN ELECTRICAL ENGINE SHUT OFF SWITCH IS REQUIRED. THE SWITCH MUST BE CLEARLY LABELED AND WITHIN THE REACH OF THE DRIVER.

TRANSMISSION AND DRIVELINE

1. THE TRANSMISSION AND/OR TRANSAXLE MUST REMAIN UNALTERED AND OEM FOR THE YEAR, MAKE AND MODEL OF THE CAR IN COMPETITION.
2. ALL FORWARD AND REVERSE GEARS MUST BE OPERATIONAL.
3. THE FLYWHEEL, FLEXPLATE, CLUTCH AND/OR TORQUE CONVERTER AND/OR ASSEMBLY MUST REMAIN UNALTERED AND OEM OF THE YEAR, MAKE AND MODEL OF THE CAR IN COMPETITION.
4. MINI-TYPE CLUTCHES AND/OR COUPLERS WILL NOT BE PERMITTED.
5. TRANSMISSION COOLERS IN THE DRIVER COMPARTMENT WILL NOT BE PERMITTED.
6. TORQUE DIVIDING FINAL DRIVE SYSTEMS WILL NOT BE PERMITTED.

- 7. LOCKED DIFFERENTIALS OF ANY TYPE WILL NOT BE PERMITTED.**
- 8. NO LSD TRANSMISSIONS PERMITTED.**
- 9. A MINIMUM ONE (1) INCH INSPECTION HOLE MUST BE LOCATED IN THE BELL HOUSING.**

CHASSIS/FRAME

- 1. ALL CHASSIS AND FRAMES MUST REMAIN UNALTERED AND OEM. ANY FRONT WHEEL DRIVE, COMPACT CAR FRAME WILL BE PERMITTED.**
- 2. A MINIMUM WHEELBASE OF 96.5" AND A MAXIMUM OF 109" WILL BE PERMITTED.**
- 3. THE MAGNETIC STEEL FLOOR PAN MUST REMAIN UNALTERED AND OEM. ANY WORK THAT IS DONE IN THE FORM OF PATCHES MUST BE COMPLETED WITH MAGNETIC STEEL.**

SUSPENSION

- 1. ALL COMPONENTS AND MOUNTS MUST REMAIN UNALTERED AND OEM AND MUST MATCH THE YEAR, MAKE AND MODEL OF THE CAR IN COMPETITION. THIS MEANS STOCK SPRINGS YOUR VEHICLE ROLLED OFF THE FACTORY LINE WITH. (MINIMUM) RIDE HEIGHT FIVE (5) INCHES MEASURED FROM LOWEST POINT OF FLOOR UNDER CARRIAGE.**
- 2. WEIGHT JACKS, MODIFICATIONS, RACING COMPONENTS, AFTERMARKET OR HOMEMADE TRACTION DEVICES WILL NOT BE PERMITTED.**
- 3. THE CAR MUST REMAIN IN ALIGNMENT FROM FRONT-TO-REAR AND MUST TRACK STRAIGHT.**

- 4. A MAXIMUM OF FIVE (5) DEGREES OF CAMBER WILL BE PERMITTED ON ANY WHEEL.**
- 5. CENTER MOUNTED STEERING WILL NOT BE PERMITTED.**
- 6. A QUICK RELEASE, AFTERMARKET STEERING WHEEL WILL BE PERMITTED. THE STEERING COLUMN MUST REMAIN UNALTERED AND OEM.**
- 7. AFTERMARKET REMOTE RESERVOIR POWER STEERING WILL NOT BE PERMITTED.**
- 8. ALL SHOCKS AND STRUTS MUST REMAIN UNALTERED AND OEM IN THE OEM LOCATION. NO HEIM ENDS, ADJUSTERS AND/OR COIL OVERS ADJUSTERS AND/OR COVERS WILL BE PERMITTED.**
- 9. SPRING RUBBERS WILL BE PERMITTED AS FOLLOWS 1 PER SPRING OR 4 IN RIGHT FRONT SPRING ONLY.**

BRAKES

- 1. ALL BRAKE COMPONENTS MUST BE UNALTERED, OEM, MAGNETIC STEEL AND OPERATIVE ON ALL FOUR WHEELS.**
- 2. DISC AND/OR DRUM BRAKES WILL BE PERMITTED AND THEY MUST MATCH THE YEAR, MAKE AND MODEL OF THE CAR IN COMPETITION.**
- 3. ONLY OEM MASTER CYLINDERS IN OEM LOCATION WILL BE PERMITTED.**
- 4. BRAKE SHUT OFF AND/OR VALVE BIAS ADJUSTER(S) WILL NOT BE PERMITTED.**
- 5. ONLY MAGNETIC STEEL BRAKE LINES WILL BE PERMITTED.**

WHEELS AND TIRES

- 1. ONLY OEM DOT 13, 14, 15 OR 16-INCH PASSENGER TIRES WILL BE PERMITTED. NO RACING D.O.T PERFORMANCE**

TIRES, DIRECTIONAL TIRES, MUD, AND/OR SNOW TIRES WILL BE PERMITTED.

2. ALTERATIONS OF ANY TYPE INCLUDING RE-CAPS, SOFTENING, CHEMICAL ALTERATION, CONDITIONING, SIPING AND/OR GROOVING ALTERING OF SIDEWALLS WILL NOT BE PERMITTED AND WILL GROUNDS FOR DISQUALIFICATION AND LOSS OF ALL POINTS .

3. ALL WHEELS MUST BE OEM STEEL OR ALUMINUM WHEELS WITH A MAXIMUM WIDTH OF SEVEN (7) INCHES AND A STANDARD BEAD.

4. ALL FOUR (4) WHEELS/RIMS MUST BE THE SAME SIZE. TIRES CAN BE DIFFERENT SIZES (EXAMPLE 195/14 OR 205/14 ETC). ONLY 60, 70 OR 80 SERIES, EACH TIRE MUST HAVE A TREAD WEAR OF 400 OR ABOVE TO BE LEGAL FOR COMPETITION NO ALTERING OF SIDEWALLS PERMITTED

5. ALL TIRES MUST REMAIN INSIDE OF THE BODY.

6. WHEEL SPACERS AND/OR BLEEDER VALVES WILL NOT BE PERMITTED.

7. WHEEL REINFORCEMENT IS STRONGLY RECOMMENDED.

8. ONE (1) INCH OUTSIDE DIAMETER MAGNETIC STEEL LUG NUTS ON STEEL WHEELS ARE REQUIRED.

SAFETY

1. IT IS THE SOLE RESPONSIBILITY OF EACH COMPETITOR FOR THE EFFECTIVENESS AND PROPER INSTALLATION, PER THE MANUFACTURER'S SPECIFICATIONS TO BE ADEQUATE FOR COMPETITION AT EVERY EVENT. EACH COMPETITOR IS EXPECTED TO INVESTIGATE AND EDUCATE THEMSELVES FOR

CONTINUING IMPROVEMENT REGARDING THEIR OWN PERSONAL SAFETY EQUIPMENT.

2. EACH CAR MUST BE EQUIPPED WITH AN SFI 16.5 OR SFI 16.1 APPROVED SEAT BELT RESTRAINT SYSTEM UNTIL THE DATE OF THE BELT EXPIRATION (USUALLY THREE (3) YEARS). SEAT BELT RESTRAINT SYSTEMS MUST BE INSTALLED IN ACCORDANCE WITH THE DIRECTIONS AND APPLICATION OF THE SYSTEM SUPPLIER OR MANUFACTURER.

3. SEAT BELT WEBBING THAT COMES INTO CONTACT WITH ANY SHARP OR UNRADIUSED METAL EDGE SHOULD BE PROTECTED FROM THAT EDGE OF PUSH ON GRIP VINYL TRIM. SEAT MANUFACTURERS SUPPLY THE SEAT WITH TRIM PROTECTING THE WEBBING FROM ABRASION OR CUTTING UNDER IMPACT CONDITIONS AND SHOULD BE USED TO THEIR SPECIFICATIONS.

4. IT IS THE RESPONSIBILITY OF THE DRIVER, NOT THE OFFICIALS OR THE TRACK PROMOTER TO ENSURE THAT HIS/HER SEAT BELT RESTRAINT SYSTEM AND ALL COMPONENTS ARE SFI APPROVED, CORRECTLY INSTALLED, MAINTAINED AND PROPERLY USED.

5. EACH DRIVER MUST WEAR A FIRE RESISTANT UNIFORM MEETING THE SFI 3.2A/5 SPECIFICATION AND DISPLAY A VALID SFI 3.2A/5 LABEL.

6. EACH DRIVER MUST ALSO WEAR FIRE RESISTANT ACCESSORIES THAT EFFECTIVELY COVER THE REMAINING PARTS OF THE BODY. SHOES AND GLOVES MUST MEET THE SFI 3.3 SPECIFICATION AND DISPLAY A VALID SFI 3.3 LABEL.

7. AN ALUMINUM SEAT BUILT SPECIFICALLY FOR THE PURPOSE OF COMPETITION IN AUTO RACING EVENTS IS

REQUIRED. FULL CONTAINMENT SEAT HIGHLY RECOMMENDED.

8. HIGH-BACK ALUMINUM (STOCKCAR STYLE) SEATS SHOULD BE SECURELY MOUNTED TO THE FRAME AS RECOMMENDED/REQUIRED BY SEAT MANUFACTURER AND CHASSIS MANUFACTURER.

9. HEAD REST (BEHIND THE HEAD) SHOULD INCLUDE PADDING. ALL AREAS SURROUNDING THE HEAD SHOULD HAVE PADDING.

10. THE SEAT MUST BE MOUNTED A MINIMUM OF 30" (INCHES) FROM THE CENTER OF THE REAR END, MEASURED AT THE BOTTOM OF THE SEAT.

11. WINDOW NETS ARE MANDATORY.

12. DRIVER MUST WEAR A FULL FACE HELMET, WITH A VALID SA2010 OR NEWER STANDARD SNELL AND/OR A VALID SFI 31.1, SFI 31.2 OR SFI 31.1 2010 LABEL.

13. THE DRIVER SHOULD WEAR THE HELMET IN ACCORDANCE WITH THE DIRECTIONS PROVIDED BY THE HELMET MANUFACTURER AND/OR SUPPLIER.

14. IF A HEAD AND NECK RESTRAINT SYSTEM IS CONNECTED IT SHOULD CONFORM TO THE MANUFACTURERS MOUNTING INSTRUCTIONS.

15. HEAD AND NECK RESTRAINTS ARE STRONGLY RECOMMENDED. HEAD AND NECK RESTRAINTS ARE MANDATORY FOR ALL MINOR DRIVERS.

16. NO SHARP OR PROTRUDING EDGES IN OR AROUND THE COCKPIT, WHICH WOULD IMPEDE THE DRIVER'S RAPID EXIT FROM THE CAR.

17. WINDSHIELD SCREENS AND/OR FULL LEXAN WINDSHIELDS ARE MANDATORY. SCREENS MUST BE SECURELY FASTENED.

18. FLAME RETARDANT SEAT, ROLL BAR, KNEE AND STEERING PADS OR PADDING ARE RECOMMENDED. STANDARD ROLL BAR PADDING ANYWHERE THE DRIVER CAN HIT IS MANDATORY.

19. ALL CARS MUST BE EQUIPPED WITH A FIRE EXTINGUISHER.

20. RACECEIVERS AND TRANSPONDERS ARE MANDATORY FOR ALL DRIVERS AT ALL TIMES.

21. SAFETY TECH AND VISUAL INSPECTION WILL BE DONE PRE-RACE. THE MORE ADVANCED TECH WILL BE PERFORMED POST-RACE.

IF TRACK OR TECH FEELS ONE TYPE OF ENGINE IS DOMINATING THE CLASS/SERIES WE RESERVE THE RIGHT TO TAKE ACTION TO KEEP ALL CARS COMPETITIVE FOR THE BETTERMENT OF RACING.