



## 2019 HERMISTON RACEWAY

# MINI STOCK RULES

### RULES INTERPRETATION:

#### **IF IT DOESN'T SAY YOU CAN, YOU CAN'T**

ANY CAR OR EQUIPMENT THAT THE OFFICIALS, BOARD MEMBERS, AND DIRECTORS CONSIDERED EXOTIC OR NOT IN THE BEST INTEREST OF THE TRACK WILL BE CONSIDERED ILLEGAL FOR COMPETITION. IN THE INTEREST OF FAIRNESS, THE RULES MAY BE ADJUSTED TO CREATE A BALANCE OF COMPETITION.

IF NEEDED, FOR COMPETITION PURPOSES THE TRACK CAN MAKE A DECISION TO ADD WEIGHT TO ANY CAR PRIOR TO ENTERING A COMPETITION.

#### **COMPETING MODELS**

- ANY 4 CYLINDER CAR OR TRUCK WITH 104" WHEELBASE OR LESS. ENGINE MUST MATCH MAKE, FORD TO FORD, TOYOTA TO TOYOTA ETC..
- NO 4 WHEEL STEERING, TURBOCHARGERS OR SUPERCHARGERS
- NO CONVERTIBLES
- NO ROTARY ENGINES
- NO REAR ENGINES ALLOWED EXCEPT VOLKSWAGEN
- NO DRY SUMPS

#### **WEIGHTS:**

- REAR WHEEL DRIVE WILL BE 1LB PER CC
- FRONT WHEEL DRIVE WILL BE 1.15 LBS PER CC
- 56% MAX LEFT
- 2400 CC MAX ALL CARS
- NO CAR WILL BE OVER 2400 LBS

#### **ENGINES (BOTTOM END):**

- ENGINE MUST MATCH MAKE
- OEM BLOCK. AFTERMARKET RODS AND PISTONS ALLOWED
- FACTORY CRANK. NO AFTERMARKET
- 2400CC MAX

#### **ENGINES (CYLINDER HEAD):**

- BARE CYLINDER HEAD MUST BE OEM. NO RACING AFTERMARKET HEADS
- CAST IRON ONLY UNLESS MAKE CAME WITH FACTORY ALUMINUM
- NO PORTING, POLISHING, MACHINING, SANDING, ACID DIPPING, OR GASKET MATCHING OF INTAKE PORTS, EXHAUST PORTS, LIFTER BORES, COMBUSTION CHAMBERS OR INTAKE MANIFOLDS

- BIG VALVES OKAY. NO TITANIUM
- HYDRAULIC OR SOLID LIFT CAMSHAFTS OKAY, ANY CAM LIFT.
- NO ROLLER CAMSHAFTS, ROLLER ROCKERS, OR FOLLOWERS ALLOWED.
- INTAKES WILL BE STOCK WITH NO MODIFICATIONS. NO RACING INTAKES
- MAY HAVE MINIMUM MILLING FOR COMPRESSION
- DOHC CARS MUST HAVE A FACTORY STOCK HEAD. (STOCK VALVES, STOCK CAMS, ETC..)
- ADJUSTABLE CAM GEAR OKAY

#### **CARBURETORS/FUEL INJECTION:**

- 500 CFM MAX CARB
- CHOKE HORN MAY BE REMOVED
- AIR CLEANERS MANDATORY AT ALL TIMES
- MUST HAVE 2 RETURN SPRINGS
- AIR COOLED VOLKSWAGEN MAY USE ANY DUAL CARB SETUP UP TO 48MM BORES

#### **FUEL INJECTED CARS:**

- SYSTEM MUST BE STOCK FOR MAKE AND MODEL
- STOCK ECU
- STOCK INJECTORS
- COLD AIR INTAKES ALLOWED

#### **ELECTRICAL:**

- BATTERY MUST BE MOUNTED SECURELY
- ALTERNATORS OPTIONAL
- MUST HAVE MARKED ON/OFF KILLSWITCH
- NO MAGNETOS
- AFTERMARKET DISTRIBUTORS OKAY
- MSD OPTIONAL

#### **EXHAUST:**

- MUFFLERS MANDATORY
- HEADERS ARE OKAY. MUST GO UNDERNEATH CAR
- MAXIMUM 95 DB AT 100 FEET

#### **TRANSMISSIONS/CLUTCHES/FLYWHEELS/DRIVELINES:**

- STOCK OEM MANUAL OR AUTO ONLY. NO RACING TRANSMISSIONS
- CLUTCH PLATE AND FLYWHEEL ASSEMBLY WILL BE STOCK FORD TO FORD, TOYOTA TO TOYOTA ETC..

- MUST BE STOCK STEEL PRESSURE PLATE
- MUST BE STOCK STYLE STEEL OR ALUMIMUM FLYWHEEL WITH MINIMUM MILLING
- STEEL DRIVELINES ONLY

**FRAMES:**

- STOCK FRAME FRONT TO REAR. NO EXCEPTIONS
- STOCK FLOOR PAN
- STOCK FIREWALL
- NO TUBE CHASSIS

**SUSPENSION:**

- NO COIL OVERS UNLESS IT CAME STOCK FROM FACTORY
- NO WEIGHT JACKS
- ONE PIECE SWAY BARS ONLY
- STOCK UPPER AND LOWER CONTROL ARMS
- NO 3RD LINK UNLESS PER MANUFACTURER
- STOCK OR STEEL NON ADJUSTABLE RACING STRUTS/SHOCKS ONLY. REBUIDABLE ALLOWED. ONE PER WHEEL
- NO BUMP STOPS
- REAR UPPER CONTROL ARMS MUST BE IN STOCK LOCATION WITH STOCK MOUNT USED AND MAY BE REINFORCED OR SLOTTED.
- REAR UPPER CONTROL ARMS MUST BE SOLID, REMAIN STOCK LENGTH, AND MAY NOT EXPAND OR CONTRACT.
- LOWER REAR TRAILING ARMS TO BE STOCK OR AFTERMARKET. THEY MUST BE SOLID (ROUND OR SQUARE), STOCK LENGTH, AND NON ADJUSTABLE
- CASTER AND CAMBER MUST BE WITHIN 1 3/4" ON NEUTRAL.
- RACING SPRINGS OKAY

**REAR ENDS:**

- ANY REAR END IN ANY CAR BUT MUST USE STOCK MOUNTS PER CAR USED AND MUST BE BOLTED IN STOCK LOCATION.
- NO QUICK CHANGES, DETROIT LOCKERS, OR FLOATERS
- MAY BE LOCKED OR UNLOCKED
- NO TRACTION CONTROL

**STEERING:**

- STEERING RACKS OR BOXES MUST BE STOCK OEM. MAY BE RELOCATED FOR OIL PAN CLEARANCE WITHIN REASON

**BODIES:**

- BODIES TO APPEAR STOCK WITH FLOOR PAN BEING USED. YOU MAY TRIM INNER AND OUTER FENDER PANELS FOR REASONABLE TIRE CLEARANCE.
- NO FIBERGLASS PARTS EXCEPT FRONT END

- DOOR PANELS MAY BE STEEL OR ALUMINUM BUT MUST BE STOCK APPEARING OR SECURELY FASTENED.
- MUST USE HOOD PINS. NO EXCEPTIONS
- SIDE SKIRTS ALLOWED.
- REAR SPOILERS ALLOWED. MUST BE SECURELY FASTENED. CANNOT BE WIDER THAN THE WIDTH OF THE MOUNTING SURFACE AND CANNOT IMPAIR REAR VISION. NO DIRT STYLE WINGS
- MAXIMUM HEIGHT IS 6"
- SUNROOFS MUST BE COVERED WITH MIN 20 GAUGE STEEL

#### **BUMPERS:**

- NO DOWNFORCE BUMPERS
- CANNOT EXTEND OUTSIDE OF BODY LINES
- NERF BARS ALLOWED BUT MUST BE CLEAN AND FLUSH WITH BODY
- ENDS MUST BE SMOOTH, NO JAGGED OR ROUGH EDGES
- MUST NOT EXTEND PAST OUTER EDGE OF TIRES

#### **ROLL CAGES:**

- FULL ROLL CAGE CONSTRUCTED OF 1 1/2" STEEL SEAMLESS TUBING, MINIMUM 1/8 WALL THICKNESS. NO WATER PIPE. ALL CARS MUST HAVE A FRONT ROLL CAGE.
- MINIMUM 3 CRASH BARS ON DRIVERS SIDE, TWO ON PASSENGER SIDE
- ROLL CAGE INSTALLATION AND WORKMANSHIP ARE SUBJECT TO IMMEDIATE TECH

#### **FUEL SYSTEMS:**

- GASOLINE ONLY
- FUEL CELL MANDATORY AND MUST BE MOUNTED IN TRUNK AREA IN A SAFE AND SECURE MANNER, AS CLOSE TO THE FIREWALL AS POSSIBLE.
- ELECTRIC FUEL PUMPS ALLOWED. NO ALUMINUM CELLS
- STEEL FIREWALL OF NO LESS THAN 20 GAUGE STEEL MUST BE LOCATED BETWEEN FUEL CELL AND DRIVER
- ALL CARS MUST HAVE A FUEL PUMP SHUT OFF SWITCH THAT IS IN CONJUNCTION OF THE OIL PRESSURE GAUGE

#### **BRAKES:**

- ALL CARS MUST HAVE 4 WHEEL BRAKES IN OPERATING CONDITION
- NO BRAKE BIAS ADJUSTERS

#### **WHEELS/TIRES:**

- 8" MAX WIDE WHEEL
- STEEL OR ALUM
- MAY USE SPACERS
- ANY 8" MAX WIDE NEW OR USED GOODYEAR, AMERICAN RACER, HOOSIER, OR RECAP TIRE ALLOWED.

#### **SAFETY:**

- ALL CARS MUST HAVE WINDOW NETS. NO TEARS
- ALL CARS MUST CARRY A FULLY CHARGED MINIMUM 2LB DRY CHEMICAL OR CO2 FIRE EXTINGUISHER SECURELY MOUNTED WITHIN DRIVERS REACH
- ALL GLASS MUST BE REMOVED WITH EXCEPTION OF WINDSHIELD. LEXAN CAN BE USED AS REPLACEMENT
- FULL FIRE RETARDENT RACING SUITS REQUIRED WITH NO TEARS. RACING SHOES AND GLOVES RECOMMENDED
- HELMET TO BE A MINIMUM SNELL 2000 OR SA-2000 MINIMUM
- HEAD AND NECK RESTRAINT SYSTEM OR NECK BRACE HIGHLY RECOMMENDED
- 4 POINT RACING BELTS REQUIRED. 5 POINT RECOMMENDED. NO OLDER THAN 3 YEARS.
- RACING SEATS ARE REQUIRED
- ALL SAFETY SUBJECT TO IMMEDIATE TEC

