

2024 PURE STOCK TECH RULES

REVISED: 12-19-2023 REVISED: 12-29-2023

REVISED: 03-27-2024



15112 NATIONAL PIKE, HAGERSTOWN, MD 21740

PHONE: 301.582.0640 – FAX: 301.582.3618

INFO@HAGERSTOWNSPEEDWAY.COM

1. FRAME

- 1A ANY NORTH AMERICAN MADE CAR 1960 OR NEWER.
- 1B WHEEL BASE IN ACCORDANCE WITH FACTORY BODY SPEC. (GM 108 FORD 105)
- 1C FRAME MUST MATCH BODY - FORD TO FORD, GM TO GM ETC
- 1D FRAMES MAY BE PATCHED FOR RUST
- 1E STEEL FLOOR PANS FROM FRONT FIREWALL TO REAR FIREWALL
- 1F REAR FLOOR PANS MUST REMAIN FACTORY DIMENSIONS AND MUST NOT BE MOVED FORWARD AND FACTORY LOCATION
- 1G ALL OTHER HOLES MUST BE COVERED INDIVIDUALLY
- 1H IF CAR IS MANUFACTURED WITHOUT A FULL FRAME, THEN FRAME MUST BE TIED TOGETHER

2. ROLL CAGE

- 2A MUST HAVE FULL SIX-POINT ROLL CAGE
- 2B ROLL CAGE MUST BE WELDED 360 DEGREES WITH GUSSETS AND WELDED TO FRAMES
- 2C MINIMUM OF FOUR BARS MUST BE USED IN DRIVER'S DOOR
- 2D PASSENGER SIDE DOOR MUST HAVE TWO OR THREE HORIZONTAL BARS
- 2E EACH BAR MUST BE A MINIMUM OF 1.5 INCH DIAMETER WITH A MINIMUM WALL THICKNESS OF 0.095 INCH
- 2F TWO BARS CAN EXTEND INTO ENGINE COMPARTMENT AND TRUNK AREA
- 2G ROLL CAGE SHOULD BE PADDED IN AREAS WHERE DRIVER MAY COME INTO CONTACT

3. BODY

- 3A MUST BE STOCK APPEARING BODY
- 3B ALL BODY PANELS MUST BE STEEL OR ALUMINUM
- 3C USING A STOCK BODY, ALL LINES AND BENDS MUST MATCH OEM BODY
- 3D HOOD MUST BE KEPT IN PLACE AT ALL TIMES
- 3E BODY SHEET METAL MUST BE KEPT IN PLACE AT ALL TIMES
- 3F STOCK TYPE PLASTIC NOSE PIECE WILL BE ALLOWED.
- 3G ALL GLASS, DECORATIVE TRIM, DOOR HANDLES, CHROME MOLDINGS ETC. MUST BE REMOVED
- 3H NO PLASTIC GRILLS
- 3I STOCK APPEARING SPOILERS ALLOWED NO HIGHER THAN 4 INCHES
- 3J ALL DOORS MUST BE WELDED SHUT
- 3K REAR BUMPER COVER MAY HAVE SIX 1 INCH HOLES AT TAIL LIGHT AREA ONLY
- 3L DECK CANNOT RUN THRU INTERIOR OF CAR (HOOD TO TRUNK)
- 3M DECK HEIGHT IS 39 INCHES MAXIMUM

4. INTERIOR

- 4A NO BOXING OF INTERIOR, SHOULD ALLOW EASY ACCESS TO DRIVER FROM EITHER SIDE AND BE CLEAR OF MATERIAL OR CONSTRUCTION METHODS THAT COULD CAUSE INJURY TO DRIVER
- 4B REAR SEAT SHELF MUST BE LEFT IN AS FIRE STOP OTHERWISE ALUMINUM OR STEEL TYPE METAL FIREWALL MUST BE MOUNTED TO SEPARATE DRIVER'S COMPARTMENT FROM TRUNK AREA (6" INCHES MAX FROM REAR WINDOW OPENING AND ATTACH TO REAR FLOOR PAN AT BOTTOM OF MAIN HOOP OF ROLL CAGE OR AT BACK OF FLOOR PAN).
- 4C NO MIRRORS OR 2-WAY RADIOS
- 4D PEDALS MUST BE IN OR CLOSE TO STOCK LOCATION
- 4E NO EXTENDING PEDALS REARWARD
- 4F DRIVER'S SEAT SHOULD BE IN SAME LOCATION AS ORIGINAL
- 4G NO FLUID RESERVOIRS, TANKS OR RADIATORS IN DRIVER'S COMPARTMENT
- 4H 24 X24 INCH BY 0.25 INCH STEEL OR ALUMINUM PLATE MUST BE MOUNTED INSIDE DRIVER'S DOOR TO PROTECT DRIVER AND IS HIGHLY RECOMMENDED
- 4I STOCK FACTORY FLOORBOARDS AND FIREWALL NO EXTENDING DECK INTO INTERIOR OF CAR NO BOXING OF INTERIOR
- 4J FLOOR PANS CAN BE REPLACED WITH 16-GAUGE SHEET STEEL TO REPLACE RUSTED FLOOR PANS MUST BE OF FACTORY DIMENSIONS AND RESEMBLE FACTORY FLOOR

5. SUSPENSION

- 5A TUBULAR FRONT UPPER A-ARMS PERMITTED. MUST REMAIN FACTORY DIMENSION
- 5B NO ADDING SUSPENSION COMPONENTS FROM DIFFERENT MAKES OR YEARS
- 5C **NO WEIGHT JACKS REMOVED FOR 2024**
- 5D **SPINNER WEIGHT JACKS ARE PERMITTED ON ALL 4 CORNERS. NO JACK BOLTS.**
- 5E REAR SUSPENSION COMPONENTS MUST REMAIN IN STOCK LOCATIONS ALL SUSPENSION MOUNTING POINTS MUST BE IN FACTORY LOCATIONS
- 5F REAR LOWER TRAILING ARMS SHOULD BE 19 INCHES IN LENGTH CENTER TO CENTER AND HAVE RUBBER BUSHINGS
- 5G LOWER TRAILING ARM BRACKETS AT REAR-END HOUSING CAN BE NO LONGER THAN 4 INCHES LONG ALL OTHER HOLES IN BRACKETS MUST HAVE BOLTS INSTALLED
- 5H REAR LOWER TRAILING ARMS ON BOTH SIDES CAN BE NO LOWER THAN 2 ½ INCHES FROM BOTTOM OF REAR END HOUSING
- 5I NO HEIMS ENDS ALLOWED ON SHOCKS
- 5J NO CHAINS, CABLES, TIE DOWNS, ROPE, TRAVEL LIMITERS, ETC.
- 5K NO BUMP STOP/RUBBERS ON FRAME

6. STEERING

- 6A STEERING COLUMN MUST REMAIN IN STOCK LOCATION FRONT TO BACK LEFT TO RIGHT
- 6B **NO STEERING QUICKENERS OF ANY KIND REMOVED FOR 2024**
- 6C **COLLAPSABLE STEERING COLUMN HIGHLY RECOMMENDED. MANDATORY FOR 2025**

7. SHOCKS

- 7A STEEL SHOCKS ONLY NO ADJUSTABLE SHOCKS
- 7B STOCK OR STOCK APPEARING SHOCKS ONLY NON-ADJUSTABLE
- 7C SHOCKS MUST BE STEEL AND HAVE STOCK TYPE MOUNTS WITH RUBBER BUSHINGS AND NO SPACERS
- 7D NO SHOCK CAN PRELOAD OR PIN ANY SPRING.
- 7E ALL SHOCKS MUST BE ABLE TO COMPLETELY COLLAPSE AT ANY TIME.
- 7F NO SCRAPER VALVES OR ANY TYPE OF VALVE.
- 7G NO AIR SHOCKS.
- 7H MAXIMUM 7" STROKE ON FRONT SHOCKS AND MAXIMUM 9" STROKE ON REAR SHOCKS.

8. SPRINGS

- 8A ONLY ONE SPRING PER FRONT AND REAR CORNERS. MUST BE IN FACTORY LOCATION
- 8B COIL SPRING MUST BE FACTORY STYLE
- 8C REAR SPRINGS CAN BE 11-13 INCH FREE HEIGHT AND 4.5-5.5 INCHES IN DIAMETER.
- 8D FRONT SPRINGS ARE 9.5 INCHES FREE HEIGHT AND 4.5-5.5 INCHES IN DIAMETER.
- 8E SPRING RATES CAN BE SPLIT

9. REAR ENDS

- 9A REAR ENDS MUST BE LOCKED
- 9B 9 INCH FORD REAR ENDS

10. TRANSMISSIONS

- 10A ALL FACTORY MANUAL TRANSMISSIONS LEGAL

11. TRANSMISSIONS

- 11A ALL FACTORY MANUAL TRANSMISSIONS LEGAL
- 11B TRANSMISSION MUST REMAIN STOCK AND MUST MATCH THE MAKE AND MODEL OF THE CAR (FORD/FORD GM/GM ETC.)
- 11C NO DIRECT DRIVE TRANSMISSION (BERT, BRINN OR FALCON)
- 11D AUTOMATIC TRANSMISSION MUST HAVE WORKING TORQUE CONVERTER
- 11E TRANSMISSION MUST SHIFT THRU ALL GEARS STARTING OUT IN DRIVE AND WILL BE CHECKED
- 11F MUST HAVE FACTORY STYLE SINGLE DISK CLUTCH AND A BLOW PROOF BELL HOUSING AND MANUAL FLYWHEEL MUST BE 10 ½ INCH DIAMETER CLUTCH AND PRESSURE PLATE
- 11G MUST HAVE A 1-INCH INSPECTION HOLE IN BELL HOUSING EASILY ACCESSIBLE FOR INSPECTION OF CLUTCH

12. DRIVE SHAFT

- 12A DRIVESHAFT MUST BE A MINIMUM OF 2 INCHES IN DIAMETER
- 12B ALL DRIVESHAFTS MUST BE PAINTED WHITE
- 12C ONLY ONE DRIVESHAFT IS PERMITTED
- 12D MINIMUM OF ONE DRIVESHAFT LOOP/SLING MUST BE FASTENED SECURELY TO THE FRAME. IT'S RECOMMENDED THAT 2 DRIVESHAFT LOOPS / SLINGS BE USED
- 12E NO ALUMINUM DRIVE SHAFTS. STEEL ONLY

13. WHEELS & TIRES

- 13A **15X8 STEEL RACING WHEELS ONLY ARE PERMITTED WITH ANY OFFSET ON ALL 4 CORNERS**
- 13B CARS MUST HAVE REINFORCED WHEELS
- 13C OVERSIZED LUG NUTS ON ALL 4 WHEELS ARE REQUIRED.
- 13D BEAD LOCKS ARE PERMITTED
- 13E PERMITTED TIRES:
 - STREET TIRE NOT OVER 11 INCHES WIDE MUST PUNCH DUROMETER READING OF 66 OR HIGHER.
 - HOOSIER M30
 - HOOSIER M60
 - **AMERICAN RACER MEDIUM STOCKER OR HARD STOCKER**

14. BRAKES

- 14A STANDARD PRODUCTION BRAKE COMPONENTS ONLY
- 14B ALLOWED TO RUN DUAL MASTER CYLINDERS BUT NOT ALLOWED TO HAVE ADJUSTER WHERE DRIVER CAN REACH IT FROM SEAT.
- 14C **NO BRAKE BIAS OR BALANCE BAR ALLOWED REMOVED FOR 2024.**
- 14D BRAKES MUST WORK ON ALL 4 WHEELS AT ALL TIMES
- 14E NO DRIVER-CONTROLLED BRAKE ADJUSTERS
- 14F NO DISC BRAKES ON REAR

15. EXHAUST

- 15A HEADERS ALLOWED CLASSIC 1 5/8-INCH TUBE MUST EXIT UNDER CAR INSIDE FRAME RAILS
- 15B NO SIDE EXITS ~~OR OVER FRAME HEADERS ALLOWED~~ **REMOVED FOR 2024**

16. FUEL SYSTEM

- 16A THIRTY-TWO GALLON MAXIMUM SAFETY APPROVED FUEL CELL IN A 20 GAUGE STEEL BOX SUPPORTED BY TWO 1/8 INCH BY 2INCH STEEL STRAPS TOP AND BOTTOM TO SAFELY SECURE FUEL CELL
- 16B ALL FUEL CELL MUST BE MOUNTED IN TRUNK AREA OF CAR
- 16C FUEL LINES SHOULD RUN UNDER FLOOR OF THE CAR OR BE IN STEEL PIPE 1½" DIAMETER FROM FIREWALL TO FIREWALL IF PLACED ABOVE FLOORBOARD
- 16D FUEL LINE IS TO BE ON RIGHT SIDE OF CAR AWAY FROM DRIVER IF MOUNTED ON FLOORBOARD
- 16E NO WIRES IN PIPE
- 16F MUST USE STOCK MECHANICAL FUEL PUMP

17. FUEL

- 17A GASOLINE OR RACING GASOLINE ONLY. NO E85 FUEL
- 17B NO ADDITIVES
- 17C FUEL IS SUBJECT TO TESTING AT ANYTIME

18. WEIGHT

- 18A WEIGHT LIMIT IS WITH DRIVER AT THE FINISH OF THE RACE WITHOUT ADDING FUEL
- 18B MINIMUM OF 3000 LBS. FOR BUILT ENGINES
- 18C MINIMUM OF 3000 LBS. FOR CRATE ENGINES
- 18D IF CAR FAILS TO MAKE WEIGHT OR CROSS SCALES AFTER RACE, THE CAR AND DRIVER WILL BE DISQUALIFIED

19. IGNITION/GAUGES/ELECTRONIC

- 19A **NO CELL PHONES, UNAPPROVED CAMERAS, TRANSMITTING OR LISTENING DEVICES (EXCEPTION IS ONEWAY RACE RECEIVER RADIO BY OFFICIALS), OR TIMING RETARD CONTROLS.**
- 19B **ONE 12 VOLT, UNALTERED, NON ADJUSTABLE, IGNITION BOX ALLOWED (FORD STOCK TYPE)**
- 19C **ALL COMPONENTS MUST BE OUT OF REACH OF DRIVER.**
- 19D **NO MAGNETOS OR CRANK TRIGGERS.**
- 19E **OEM TYPE ALTERNATOR WITH INTERNAL REGULATOR ALLOWED.**
- 19F STOCK IGNITION SYSTEM ONLY.
- 19G NO MSD OR MSD COMPONENTS ALLOWED OR ANY OTHER PERFORMANCE TYPE OF IGNITION

20. ENGINE COMPARTMENT

- 20A ENGINE MUST BE MOUNTED IN FACTORY POSITION
- 20B ENGINE MUST MATCH OEM (GM IN GM, FORD IN FORD CHRYSLER IN CHRYSLER ETC)

21. ENGINE OPTION #1

- 21A MAXIMUM 410 CUBIC INCH.
- 21B **ENGINE BLOCK MAY BE AN OEM STANDARD PRODUCTION BLOCK OR AN APPROVED STOCK DIMENSION CAST AFTERMARKET BLOCK. AFTERMARKET BLOCK MUST HAVE OEM STOCK DIMENSIONS AS THE MANUFACTURE OF THE CHASSIS BEING USED. NO ALUMINUM BLOCKS.**
- 21C GUIDE PLATES ALLOWED
- 21D HYDRAULIC FLAT TAPPET CAMSHAFT ONLY AND FLAT TAPPET LIFTERS MUST BE ABLE TO ADJUST TO FACTORY AND MAINTAIN COMPRESSION.
- 21E ROLLER ROCKERS ALLOWED
- 21F ANY CAST IRON CYLINDER HEAD WITH FACTORY VALVE LOCATION
- 21G MINIMUM COMBUSTION CHAMBER SIZE OF 60CC **(TOLERANCE OF +/- 3CC ALLOWED) REMOVED FOR 2024**
- 21H INTAKE 2101, 2116, 2181, OR 2176 EDELBROCK PERFORMER ONLY. NO CUTTING OR WELDING OR GRINDING ALLOWED
- 21I STOCK TWO-BARREL CARBURETOR OR HOLLY 500 2 BARREL WITH CHOKE HORN HOLLY #4412 ONLY
- 21J VENTURI SIZE WILL BE CHECKED WITH TRACK GAUGE
- 21K TWO-BARREL CARB CAN BE MOUNTED USING AN ADAPTER PLATE
- 21L SPACER AND ADAPTER CAN BE NO THICKER THAN 1" TOTAL COMBINED HEIGHT.
- 21M 1" INSPECTION HOLE MUST BE DRILLED ON SIDE OF OIL PAN FOR INSPECTION PURPOSES ONLY
- 21N FLAT TOP OR INVERTED DOME PISTONS ONLY
- 21O PISTONS MUST BE AT ZERO DECK HEIGHT OR BELOW THE DECK OF BLOCK AT TOP DEAD CENTER

22. ENGINE OPTION #2

- 22A PART NUMBER 19258602 ONLY
- 22B STAMPS AND SEALS MUST BE IN PLACE
- 22C 650 OR SMALLER 4 BARREL CARB