



2025 SEMI LATE TECH RULES

2024 REVISIONS // 2025 REVISIONS: 11-14-2024

1. FRAME

- 1A** ANY NORTH AMERICAN MADE CAR 1960 TO PRESENT.
- 1B** WHEELBASE IN ACCORDANCE WITH FACTORY BODY SPEC. GM 108 FORD 105
- 1C** FRAME MUST MATCH BODY - FORD TO FORD, GM TO GM ETC
- 1D** MAY BE X BRACED SUPPORTED FOR STRENGTH
- 1E** FRAMES MAY BE PATCHED FOR RUST
- 1F** ALL OTHER HOLES MUST BE COVERED INDIVIDUALLY
- 1G** IF CAR IS MANUFACTURED WITHOUT A FULL FRAME, THEN FRAME MUST BE TIED TOGETHER
- 1H** BERNHEISEL "M SERIES FULL PERIMETER" IS PERMITTED. MUST BE CERTIFIED, UNALTERED, HAVE SERIAL NUMBER IN PLACE AND CONFIRM TO BERNHEISEL JIG STANDARDS. ANY VIOLATION MAY RESULT IN DISQUALIFICATION AND/OR SUSPENSION.

2. ROLL CAGE

- 2A** MUST BE A 6 POST DESIGN WITH A FRONT ROLL BAR FOLLOWING THE WINDSHIELD CONTOUR AND REAR ROLL BAR IN BACK OF THE DRIVER'S SEAT
- 2B** TOP OF ROLL BAR MUST BE CONNECTED TO FORM A BOX SECTION AND BE AT LEAST 4 INCHES ABOVE DRIVER'S HEAD
- 2C** THE 5TH AND 6TH POSTS FROM TOP OF ROLL CAGE TO REAR FRAME AT FIREWALL
- 2D** BARS MUST BE SECURELY FASTENED TO FRAMES BY WELDING
- 2E** NO SCREWED PIPE FITTINGS
- 2F** ALL ROLL BARS MUST BE A MINIMUM OF .095 WALL THICKNESS
- 2G** SEAMLESS TUBING OF 1 1/2" OR SEAMED TUBING OF 2 INCHES OUTSIDE DIAMETER MUST BE USED
- 2H** SEAT MUST BE FASTENED TO ROLL CAGE AND BE MUST BE IN STOCK LOCATION
- 2I** ROLL CAGE MAY EXTEND INTO ENGINE AND TRUNK COMPARTMENTS FOR BRACING AND DRIVER SAFETY
- 2J** TECH INSPECTOR HAS FINAL WORD ON ROLL CAGE AND SEAT MOUNTING

3. ROLL CAGE - BERNHEISEL

- 3A** MINIMUM 6-POINT ROLL CAGE IS REQUIRED.
- 3B** THE ROLL CAGE MUST BE CONSTRUCTED OF MAGNETIC STEEL TUBING THAT IS A MINIMUM OF 1.50 INCH IN DIAMETER, WITH A MINIMUM TUBING THICKNESS OF .095 (WALL THICKNESS).
- 3C** THE ROLL CAGE MUST BE LOCATED WITHIN THE STOCK OEM PARAMETERS OF THE DOORS OF THE VEHICLE.
- 3D** A MINIMUM OF THREE (3) DOOR BARS ARE REQUIRED ON EACH DOOR.
- 3E** A RADIATOR PROTECTION BAR WILL BE PERMITTED.
- 3F** NO PORTION OF THE REAR HOOP MAY EXTEND REARWARD PAST THE LOWER TRAILING ARM MOUNT.
- 3G** THE REAR VERTICAL ROLL BAR HOOP OF THE ROLL CAGE SHOULD BE PERPENDICULAR TO THE FRAME AND MUST NOT EXCEED A TEN (10) DEGREE VARIATION FROM PERPENDICULAR IN ITS VERTICAL RISE FROM THE FRAME.
- 3H** THE TOP HALO MUST BE NO LESS THAN FORTY (40) INCHES ACROSS LEFT TO RIGHT AND TWENTY NINE (29) INCHES FRONT TO BACK, FROM OUTSIDE TO OUTSIDE.
- 3I** ANY BARS THAT ARE UTILIZED FOR THE TOP PORTION OF THE ROLL CAGE, INCLUDED, BUT NOT LIMITED TO THE FRONT AND REAR HOOPS, THE TOP HOOP, AND THE UPRIGHTS, MUST EXTEND A MINIMUM OF 2" INCH ABOVE THE DRIVER'S HELMET.
- 3J** A MINIMUM OF ONE CROSS BAR IN TOP HALO OF ROLL CAGE IS REQUIRED.

4. BODY

- 4A** MUST BE COMPLETE AND STOCK APPEARING
- 4B** GENERIC BODY PANELS PERMITTED (ALL BODY PANELS AND PARTS MUST HAVE COMPLETE FACTORY LINES)
- 4C** 5 STAR PERFORMANCE, ASA, ALL PRO, ETC. BODY AND BODY PARTS WILL BE PERMITTED
- 4D** ALUMINUM OR STEEL BODIES ALLOWED THE REAR INSIDE TRUNK AREA CAN BE OPEN TO ALLOW TECH INSPECTORS TO EASILY VIEW REAR SUSPENSION
- 4E** BODY MUST HAVE BOW IN THE SIDE DOORS, NO STRAIGHT LINES
- 4F** IF STOCK BODY PANELS ARE USED DOORS MUST BE WELDED SHUT
- 4G** NO RUB RAILS ALLOWED
- 4H** DECK HEIGHT IS 39 INCHES MAXIMUM
- 4I** WHEEL WELLS MAY NOT BE ALTERED EXCEPT FOR MINOR TRIMMING FOR CLEARANCE
- 4J** SPOILER CANNOT PASS REAR BODY PANELS
- 4K** SPOILER WIDTH OF 65 INCHES, MAXIMUM 5 INCHES TALL FOR ENGINE OPTION #1
- 4L** SPOILER WIDTH OF 65 INCHES, MAXIMUM 7 INCHES TALL FOR ENGINE OPTION #2
- 4M** MUST HAVE REAR BUMPER COVER. YOU MAY HAVE SIX, 1 INCH HOLES PER SIDE IN TAILLIGHT AREA ONLY

5. INTERIOR

- 5A** FLOORBOARDS MAY BE PATCHED FOR RUST
- 5B** ALL OTHER HOLES MUST BE COVERED INDIVIDUALLY
- 5C** THE DRIVERS' FEET AND LEG AREA AND DRIVERS DOOR SHOULD BE SHIELDED FOR DRIVERS SAFETY USING 1/8 INCH STEEL OR 1/4 INCH ALUMINUM
- 5D** NO COVERING OF ROLL CAGE OR FRAME WITH SHEET METAL WILL BE PERMITTED
- 5E** THE SAFETY INSPECTOR WILL HAVE FINAL WORD ON THE APPEARANCE
- 5F** ALL GLASS MUST BE REMOVED
- 5G** SCREENS OR BARS ARE MANDATORY IN PLACE OF WINDSHIELD

6. SUSPENSION

- 6A** NO BUMP STOPS ALLOWED
- 6B** TUBULAR FRONT UPPER A-ARMS PERMITTED
- 6C** FRONT UPPER A-ARMS MUST BE MAXIMUM 9 1/2" LENGTH WITH MAXIMUM 1 INCH SPLIT
- 6D** NO 3 LINK OR PANHARD BAR SUSPENSIONS
- 6E** NO CHAINS, CABLES, TIE DOWNS, ROPE, TRAVEL LIMITERS, ETC.
- 6F** NO BUMP STOP/RUBBERS ON FRAME

7. STEERING

- 7A** COLLAPSABLE STEERING COLUMN HIGHLY RECOMMENDED

8. SHOCKS

- 8A** STEEL SHOCKS ONLY NO ADJUSTABLE SHOCKS
- 8B** NO ALUMINUM SHOCKS
- 8C** NO SCHRADER VALVE ON SHOCKS ALLOWED
- 8D** SHOCKS 7" FRONT, 9" REAR

9. SPRINGS

- 9A** ONLY ONE SPRING PER FRONT AND REAR CORNERS
- 9B** NO STACKING OF SPRINGS
- 9C** NO BUMP SPRINGS
- 9D** FRONT COIL SPRING 4 ½ INCH DIAMETER MINIMUM 5 ½ INCH MAXIMUM DIAMETER
- 9E** REAR SPRINGS 16" MAXIMUM. NO MORE THAN 3" SPLIT BETWEEN LEFT REAR & RIGHT REAR, NOT TO EXCEED 16" ON EITHER SIDE

10. REAR END

- 10A** REAR ENDS MUST BE LOCKED, 9 INCH FORD REAR ENDS AND FLOATERS ARE PERMITTED ON ANY BRAND CAR
- 10B** FORD 9 INCH AND FLOATER REARS MUST RUN STANDARD SWING ARM TYPE SUSPENSION OR LEAF SPRING SUSPENSION.
- 10C** NO INDEPENDENT REAR SUSPENSION
- 10D** ALL MOUNTING POINTS ON FRAME AND REAR MUST BE STOCK LOCATIONS. NO ALTERING REAR.
- 10E** LOWER CONTROL ARMS MUST BE STRAIGHT EQUAL LENGTH NONADJUSTABLE WITH BUSHINGS. LOWER CONTROL ARMS MUST NOT CONTAIN A HEIM.
- 10F** REAR LOWER CONTROL ARM BRACKET ON REAR END HOUSING CAN BE NO LONGER THAN 7 INCHES LONG FOR ADJUSTMENT OF LOWER CONTROL ARM. LOWER CONTROL ARM MOUNTING POSITION MAY NOT BE LOCATED FURTHER THAN 3.5" FROM BOTTOM OF AXLE HOUSING TO CENTER OF MOUNTING BOLT.
- 10G** GM LOWER ARMS MUST BE 19 INCHES CENTER TO CENTER ON BOTH SIDES

11. TRANSMISSIONS

- 11A** STANDARD STRAIGHT CUT GEAR WITH FORWARD AND REVERSE WORKING GEARS
- 11B** BERT, BRIN, OR FALCON TRANSMISSION ALLOWED
- 11C** AUTOMATIC TRANSMISSION ALLOWED
- 11D** MUST HAVE BLOWPROOF BELL HOUSING OR SCATTER SHIELD ON ALL TRANSMISSIONS. NO REAR MOUNT STARTERS.
- 11E** MINIMUM 1 ½ INCH HOLE IN SCATTER SHIELD OR BELL HOUSING FOR INSPECTION PURPOSE

12. DRIVE SHAFTS

- 12A** THE DRIVESHAFT MUST BE 2 INCHES IN DIAMETER
- 12B** ONLY ONE DRIVESHAFT IS PERMITTED
- 12C** ALL DRIVESHAFTS MUST BE PAINTED WHITE
- 12D** A MINIMUM OF ONE DRIVESHAFT LOOP OR SLING MUST BE FASTENED SECURELY TO FRAME . IT IS NOT RECOMMENDED THAT 2 DRIVESHAFT LOOP/SLING BE USED
- 12E** NO ALUMINUM DRIVESHAFTS. STEEL ONLY

13. TIRES & WHEELS

- 13A** CARS MUST HAVE REINFORCED WHEELS AND OVERSIZE LUG NUTS ON ALL 4 WHEELS
- 13B** WHEEL WIDTH 12 INCH MAXIMUM
- 13C** WHEELS MUST BE STEEL
- 13D** BEAD LOCKS ARE PERMITTED
- 13E** FRONT & REAR TIRES:
 - HOOSIER NLMT 2 OR HARDER
 - HOOSIER 1300 OR HARDER
 - AMERICAN RACER 44 OR HARDER PERMITTED.
 - AMERICAN RACER PRO 2 OR HARDER.
- 13F** MUST PASS DUROMETER READING OF 40

14. BRAKES

- 14A** STANDARD PRODUCTION BRAKE COMPONENTS ONLY
- 14B** BRAKES MUST WORK ON ALL 4 CORNERS AT ALL TIMES
- 14C** DUAL MASTER CYLINDERS AND BRAKE ADJUSTERS ARE PERMITTED

15. EXHAUST

- 15A** HEADERS ALLOWED EXCEPT 180 DEGREE HEADERS

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 2 INCH 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 CAR OR 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 AND MOUNTED ON FLOORBOARD
- 16E** NO WIRES IN PIPE

17. FUEL

- 17A** GASOLINE ONLY. RACING FUEL ALLOWED.
- 17B** NO PERFORMANCE ENHANCING OR SCENTED ADDITIVES.
- 17C** FUEL SHALL BE SUBJECT TO TESTING AT ANY TIME

18. WEIGHT

- 18A** WEIGHT LIMIT IS WITH DRIVER AT THE FINISH OF THE RACE WITHOUT ADDING FUEL.
- 18B** MINIMUM OF 3000 LBS. FOR ENGINE OPTION #1
- 18C** MINIMUM OF 2900 LBS FOR ENGINE OPTIONS #2 & #3
- 18D** IF CAR FAILS TO MAKE WEIGHT OR CROSS SCALES AFTER RACE 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. ONLY CHANGE ALLOWED TO IGNITION BOX IS ONE HIGH-END REV-LIMITER OR AN INTERNAL SETTING INSIDE BOX.
- 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** ANY BATTERY POWERED IGNITION

20. ENGINE COMPARTMENT

- 20A** ENGINE MUST MATCH OEM
- 20B** GM IN GM FORD IN FORD CHRYSLER IN CHRYSLER ETC
- 20C** MAXIMUM ENGINE SET-BACK: THE SPARK PLUG OF THE CYLINDER THAT IS FURTHERMOST FORWARD MUST ALIGN WITH BALL JOINTS

21. ENGINE OPTION #1

- 21A** MAXIMUM 410 CUBIC INCH.
- 21B** SOLID LIFTER CAMSHAFT ONLY. NO ROLLER CAMS OR LIFTERS
- 21C** ROLLER ROCKERS AND SHAFTS PERMITTED
- 21D** NO TITANIUM VALVES
- 21E** ~~ANY SINGLE DISK CLUTCH & STEEL FLYWHEEL PERMITTED~~
REMOVED FOR 2024
- 21F** AFTERMARKET BALANCER PERMITTED AND RECOMMENDED
- 21G** ANY 2-BARREL CARB NOT TO EXCEED 500 CFM, INCLUDING HOLLEY 500 CFM CARBURETOR
- 21H** ANY INTAKE MANIFOLD NOT OVER 6 INCHES TALL MEASURED FROM CHINA WALL TO CARBURETOR MOUNTING SURFACE
- 21I** CARBURETOR SPACER AND ADAPTOR CAN BE NO TALLER THAN 1" TOTAL COMBINED HEIGHT.
- 21J** ONE GASKET NO MORE THAN 1/8" BETWEEN CARB AND SPACER
- 21K** CARBURETOR MUST FIT TRACK GAUGE
- 21L** NO SUPERBOWL CARBURETORS PERMITTED. CARBURETOR MUST HAVE WORKING FLOAT.
- 21M** FLAT TOP OR INVERTED DOME PISTONS ONLY
- 21N** PISTONS MUST BE AT ZERO DECK HEIGHT OR BELOW THE DECK OF THE BLOCK AT TOP DEAD CENTER.
- 21O** MINIMUM COMBUSTION CHAMBER SIZE OF 60CC (TOLERANCE OF +/- 3CC ALLOWED) **REMOVED FOR 2024**
- 21P** MINIMUM HEAD GASKET THICKNESS OF .038 **REMOVED FOR 2024**
- 21Q** CAST IRON CYLINDER HEAD ONLY VALVES MUST BE IN FACTORY LOCATION

22. ENGINE OPTION #2

- 22A** GM 602/604 CRATE ENGINE & FORD M-6007-D347SR/JR CRATE ENGINE WILL BE THE ONLY CRATE ENGINE ALLOWED.
- 22B** MUST HAVE SEALS IN PLACE
- 22C** ANY ONE (1) CARBURETOR NOT TO EXCEED FOUR (4) BARREL AND NOT TO EXCEED 750 CFM
- 22D** ONLY WORK THAT CAN BE DONE TO CARBURETOR IS CHOKE REMOVAL AND SHAFT REMOVAL

23. ENGINE OPTION #3

- 23A** MAXIMUM 358 CUBIC INCH
- 23B** MUST FOLLOW BEDFORD SPEEDWAY SEMI LATE RULES
- 23C** DRIVERS CLAIMING ENGINE OPTION #3 MUST BE ACTIVELY COMPETING AT BEDFORD SPEEDWAY