

**HILL VALLEY SPEEDWAY**  
**2008**  
**4 CYLINDER MINI STOCK**

NEW RULES: REAR WHEEL DRIVE ONLY! NO FRONT WHEEL DRIVES. SHEET METAL AND AFTER MARKET BODIES PERMITTED BUT SHOULD REMAIN STOCK APPEARING. AFTER MARKET NOSES ARE ALLOWED. REAR TAIL PIECES MAYBE OPEN, MUST HAVE UPPER AND LOWER FUEL TANK PROTECTION. BODY INTERCHANGING OK. REAR SPOILERS WITH HEIGHT MAX. OF 8". MUST HAVE WORKING FORWARD AND REVERSE GEARS.

**ELIGIBLE MODELS:**

ANY YEAR CAR SUCH AS A GREMLIN, VEGA, TOYOTA, PLYMOUTH ARROW, DODGE COLT, PINTO, ETC. **NO** TRAN-AMS, CAMERO, CONVERTABLES, ROADSTERS OR STATION WAGONS ALLOWED. **NO FRONT WHEEL DRIVES OR REAR ENGINE VEHICLES.** MINIMUM WEIGHT OF 2350 POUNDS. MAXIMUM WHEEL BASE OF 105" AND MINIMUM OF 96".

**BODIES:**

BODIES MUST REMAIN COMPLETELY STOCK. IF RUB RAILS ARE USED THEY MUST BE PLACED AGAINST THE BODY BETWEEN THE FRONT AND REAR FENDERS. ALL RUB RAILS ARE TO START AND END INSIDE THE BODY PANELS. RUB RAILS WILL NOT HAVE ANY SHARP EDGES. REMOVABLE RAILS ARE PERMITTED AS LONG AS THEY BOLT TO THE ROLL CAGE ON THE INSIDE OF THE BODY. MAXIMUM DIAMETER IS 1 1/2". ONE HOOP BEHIND THE FRONT BUMPER WILL BE ALLOWED. IT MUST BE NEAT IN APPEARANCE. FULL FRONT AND REAR FIREWALL(ALL HOLES MUST BE COVERED). FULL FLOORBOARDS(FACTORY NO ALUMINUM) ARE MANDATORY. FIRE WALLS AND FLOORBOARDS MUST BE FACTORY AND IN ORIGINAL POSITION. ALL INTERIOR SHEET METAL MUST NOT EXTEND BEYOND BODY. NO REAR VIEW MIRRORS. NO WINGS ALLOWED. NOSE AND TAIL MAY BE PLASTIC. INTERIOR BOXING ALLOWED. IF THERE IS A HOLE IN THE HOOD A METAL GUARD 1/8" HIGHER THAN AIR CLEANER MUST BE INSTALLED BETWEEN HOLE AND DRIVER. REPLACEMENT BUMPERS MUST MEET FACTORY SPECIFICATIONS AND MUST BE COVERED WITH RUBBER. RAKED MODIFIED ROOF LINES ARE SUBJECT TO REMOVAL OF UPPER AIR SHIELD. UNMODIFIED ROOF LINES MAY USE UPPER AIR SHIELD.

**ROLL CAGE:**

2"X2" FRAME MINIMUM FRAME BOXING(FOUR SIDES) TO TIE IN FRONT FRAME WITH REAR SUB-FRAME ON ALL CARS. EACH CAR MUST HAVE A FULL ROLL CAGE THAT INCLUDES A CENTER ROOF BAR. MINIMUM OF 4 BARS ON DRIVER'S SIDE AND 3 BARS ON PASSENGER SIDE. FULL "X" BRACE REQUIRED BEHIND THE DRIVER'S SEAT AND A LATERAL BAR FROM THE FRONT CAGE BASE OF THE RIGHT FRAME CHANNEL TO A POINT IN THE CENTER OF THE "X" BRACE AT APPROXIMATELY A 25 DEGREE ANGLE TO A 45 DEGREE ANGLE. ROLL CAGE SEAMLESS WITH .095 OD MINIMUM. ALL POINTS MUST BE WELDED. ROLL CAGE MUST BE WELDED TO SUB FRAME. TWO DRIVESHAFT LOOPS MANDATORY AND MUST COMPLETELY ENCIRCLE THE DRIVE LINE AND BE ATTACHED TO THE FRAME RAILS. LOOPS MUST BE NO MORE THAN 8" FROM REAR OF UNIVERSAL AND 8" FROM FRONT OF UNIVERSAL. ALL DOOR AND/OR HATCHES MUST BE WELDED SHUT AND ALL GLASS REMOVED. ALL WINDSHIELDS MUST HAVE A MINIMUM OF FIVE SOLID BARS WITH A MINIMUM DIAMETER OF 3/8" AND MUST BE WELDED FROM THE CROSSBAR IN THE DASH TO THE TOP FRONT BAR OF THE ROLL CAGE. BATTERY MUST BE COMPLETELY ENCLOSED IN A BATTERY BOX WITH LID AND BOLTED SECURELY.

**SUSPENSION:**

SUSPENSION MUST BE COMPLETELY STOCK EXCEPT RACING SPRINGS AND STEEL SHOCKS. FOUR SHOCKS MUST BE MOUNTED IN ORIGINAL POSITION. REAR SPRING CLAMPS OR BOLTS ARE PERMITTED TO STOP SPRING LOSS. NO CHAINS MAY CONNECTED FROM BODY OR FRAME REAR.

**REAR:**

STOCK UNALTERED REAR WHICH MAY BE LOCKED. NO ALUMINUM DRIVE SHAFTS. DRIVESHAFT MUST BE PAINTED WHITE. NO CHANGING OF HOUSING.

**BRAKES:**

ADJUSTABLE 4 WHEEL BRAKES PERMITTED. FACTORY 4 WHEEL DISC BRAKES PERMITTED.

**WHEELS & TIRES:**

MAXIMUM 8"X13" WHEELS (1/2" ALLOWANCE FOR BEADLOCK MAXIMUM OF 8 1/2") AND 8" TIRES ALLOWED. RACE TIRES ARE PERMITTED. STOCK WHEELS MUST BE REINFORCED. APPROVED RACE WHEELS WILL BE PERMITTED BUT MUST BE STEEL. OVER SIZE LUG NUTS ARE MANDATORY. WHEEL SPACERS WITH OVERSIZE STUDS ARE PERMITTED. MAXIMUM WIDTH OF VEHICLE WILL BE 74" MEASURED FROM OUTSIDE OF LEFT TIRE TO OUTSIDE OF RIGHT TIRE.

**BUMPERS:**

MAY HAVE A MAXIMUM OF 2" SQUARE TUBING OR 1 1/2" ROUND PIPE BEHIND THE STOCK BUMPER. ALL EXPOSED METAL BUMPERS MUST HAVE A SKID PLATE BOLTED TO EACH END OF THE BUMPER AND SECURED TO THE FENDERS. BUMPERS CANNOT BE CUT OFF. TOW HOOKS MUST BE VISIBLE TO THE TOW TRUCK OPERATOR AND BE STRONG ENOUGH TO SUPPORT THE VEHICLE.

**FUEL:**

ALL EXPOSED GAS LINES ON INTERIOR OF CAR MUST BE ENCASED IN TUBING!!! FUEL CELLS ARE MANDATORY AND MUST BE A 12 GALLON MAXIMUM GASOLINE FUEL TANK. NO FUEL ADDITIVES ALLOWED. FUEL CELLS MUST IN STEEL BOX IN TRUNK. ELECTRIC FUEL PUMPS ARE PERMITTED WITH A OIL CUT-OFF SWITCH OR PRESSURIZED FUEL SYSTEM. CAM-2 FUEL IS PERMITTED.

**ENGINES:**

FACTORY ENGINES STOCK PRODUCTION AND MUST MATCH CAR BRAND FOR BRAND. 1LB PER C.C. WEIGHT RULE(EXAMPLE: 2300CC ENGINE BORED .040" WITH STOCK STROKE CRANK IS APPROXIMATELY 2347.6CC THUS THE CAR WILL WEIGH AT LEAST 2350LBS TO BE LEGAL). MAXIMUM DISPLACEMENT- 2900CC, MINIMUM- 2300CC NO ENGINE SETBACK. ANY PISTON, ROD AND/OR CRANKSHAFT COMBINATION PERMISSABLE. 2850CC MAXIMUM ENGINE SIZE. DOME PISTONS ARE PERMISSABLE., BUT NOT RECOMMENDED! PORTING AND POLISHING OF INTAKE AND HEAD IS PERMITTED. NO DUAL OVERHEAD CAMS ALLOWED. NO ROLLER CAMS, LIFTERS , OR ROCKERS. NO ALUMINUM HEADS. NO ALUMINUM FLYWHEELS. ADJUSTABLE CAM TIMING ALLOWED. STOCK INTAKE. OEM TWO BARREL CARBURATOR OR A STOCK HOLLEY 500 CFM CARBURATOR. CHOKE BUTTERFLY MAY BE REMOVED ONLY. ANY SIZE CARB SPACERS ALLOWED. HEADERS CAN BE USED. EXHAUST WILL CONTINUE FROM COLLECTOR TO RACING MUFFLER AND WILL EXIT TO THE LEFT OR RIGHT SIDE OF CAR IN A CONE FLUSH. ALL STOCK PRODUCTION IGNITION. MUST HAVE MASTER DICONNECT SWITCH ON REAR DECK BEHIND DRIVER NEAR BATTERY. CAR MUST BE SELF-STARTING.

**MAXIMUM CAM LIFT:**

FORD:  
2300CC 550

GENERAL MOTORS:  
IRON DUKE 151 550  
BABY DUKE 550

MISUBISHI  
2600CC 550

**CLUTCH:**

ALL CARS MUST HAVE 1/8" STEEL PLATE OR MINE BOLTS ABOVE THE BELL HOUSING. FACTORY BELL HOUSING IS MANDATORY AND HOUSING MUST HAVE INSPECTION HOLE. INSPECTION HOLE MUST BE 1"X3" FROM STARTER RING TO THE TRANSMISSION AT THE BOTTOM OF THE BELL. ALL DRIVER TRAIN COMPONENTS MUST REMAIN STOCK INCLUDING CLUTCHES. THE NEW HILL VALLEY SPEEDWAY WILL NOT BE RESPONSIBLE FOR INJURIES OR DAMAGES CAUSED BY FLYWHEEL EXPLOSIONS, ETC. FLYWHEEL SPECIFICATIONS ARE A MINIMUM OF 13LBS.

**IGNITIONS:**

STOCK DISTRIBUTORS AND COILS ARE PERMITTED. NO MSD BOXES OR EQUIVALENT ALLOWED.

**SAFTEY:**

APPROVED HELMET (MINIMUM SNELL 90-95) WITH FACE SHIELD IS MANDATORY. NECK BRACES ARE REQUIRED. FIRE RESISTANT DRIVER'S SUIT IS MANDATORY AND MUST MEET TRACK SPECIFICATIONS. FIRE EXTINGUISHER 12OZ MIMIMUM IS MANDATORY. IT MUST BE SECURELY MOUNTED FOR QUICK ACCESS. RACE APPROVED DRIVER'S SIDE WINDOW NET IS MANDATORY. ALL WEIGHTS MUST BE SECURELY BOLTED WITH LOCK NUTS, DOUBLE NUTS OR NUTS WITH COTTER KEYS. WEIGHTS MUST BE PAINTED WHITE & HAVE CAR NUMBER PAINTED ON THEM.

**LETTERING:**

ALL CARS MUST BE PRESENTABLE IN BODYWORK, CRAFTMANSHSHIP AND PAINT. THE NUMBERS MUST BE CLEARLY DISPLAYED ON THE ROOF AND **BOTH** DOORS AT ALL TIMES. NUMBERS MUST BE NO LESS THAN 18" TALL AND 2" WIDE. IF LETTER IS USED IT MUST BE 9"X12" MINIMUM. A PLATE WITH A MINIMUM 6" NUMBER WILL BE REQUIRED ON THE RIGHT HAND CORNER OF HEADLIGHT. LETTERING MUST BE OUTLINED AND LEGIBLE(IF THE SCORERS CANNOT READ YOUR NUMBER YOU WILL NOT BE SCORED.).

ANYTHING NOT COVERED IN THESE RULES WILL BE LEFT TO THE DISCRETION OF THE TECH AND TRACK OFFICIALS WITHOUT RECOURSE FROM THE DRIVERS OR CAR OWNERS. SAFETY INFRACTIONS CAN BE RECOURSE FOR A CAR TO BE KEPT OUT OF COMPETITION UNTIL THEY HAVE BEEN CORRECTED. THE PRECEDING RULES ARE SUBJECT TO REVISION AND WILL BE JUDGE ACCORDINGLY.

**UNLESS THE RULES SAY YOU CAN DON'T!!!**