Tri-County MICROD Club

Plan Book

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Section 1.0 Introduction

In this edition of the TCMC PLAN BOOK, all technical data, design and safety data has been updated as approved by the TCMC BOARD OF DIRECTORS through the current race season. This edition contains all current information and supersedes all prior plan book editions, approved proposals, past motions, etc. The changes to the rulebook over the years have been changes to better the organization, clarify rules and interpretations and to keep up with changes manufacturers have done. Many features of car construction and design, such as brakes, body styles, controls, steering wheel, types of drive, etc. are optional to allow for individual ingenuity. However, all mandatory dimensions, specifications and materials MUST NOT be altered. Additional materials, not listed in this book, may be obtained as needed by referring to the drawings and specifications as building progresses. These materials are not specifically listed because each builder may want to improvise to his or her own ability and resources.

MOST IMPORTANT: DO NOT REDUCE THE MARGIN OF SAFETY. Building a microd from these plans must be done at the risk of the builder and no responsibility for safety, performance or reliability will be assumed by TCMC

Section 2.0 Official Registration Information

.1 Registration

.1 All microds must be inspected annually by the head inspector for safety to qualify for racing events. All fees and insurance must be up to date. Car numbers are registered with the club secretary.

Section 3.0 Driver Safety Equipment

.1 Required Equipment

.1 Approved crash-type full face or moto cross helmet with chin guard and secure chin strap.

.2 Goggles or helmet face shield. (no metal frames)

.3 Long sleeve shirt or jacket. (sleeves must not ride up)

.4 Long pants or jeans.

.5 Shoes or sneakers. (no sandals, togs, etc.)

.6 Competition type seat belts/harness, 5 point.

.7 Safety nets as required.

.8 Neck collars.

.2 Optional Safety Equipment

.1 Knee and/or elbow pads.

.2 Padded dash top roll cage bars, seat and seat back, and other parts within the cockpit area which a driver may contact in the event of a race accident.

.3 Leather or racing type gloves.

Section 4.0 Microd/Driver Weight

.1 Minimum Microd Weight

.1 All microds must weigh a minimum of 200 lb. without driver.

.2 To obtain this minimum weight requirement, extra weight should be only as indicated below:

.1 Adding non-functional, non-required parts or items solely for the purpose of obtaining the minimum 200 lb., is not allowed. (example - Bolting a piece of metal or weight to the floor or engine bed.)

.2 If weight must be added to meet the minimum 200 lb. requirement, such weight must be added in the form of a functional or integral part or component to the required parts of the car. (example- Adding steel tubing to the frame, dash, roll cage, cross members or adding extra support bars or brackets, etc.)

.2 Minimum Combined Car/Driver Weight by Class

.1 In addition to the minimum car weight of 200 lb., all microds must meet the following combined car/driver weight requirements by TCMC class below.

MINIMUM WEIGHT CAR + DRIVER

Junior Novice 330 lb.

Novice 365 lb.

MR-1 400 lb.

TC-CAMMER 450 lb.

The use of bolt in weight (example: lead-pipes, tubing, steel blocks, etc.) in the car must be fastened securely with at least 1 (one) 5/16" nut and bolt combination or 2 (two) 1/4" nut and bolt combination, no nylon ties or tape or mechanics wire will be allowed, all weight must be fastened with a nut and bolt combination described above.

Section 5.0 Wheels & Axles

.1 Wheels

.1 All wheels must be either 5" or 6" diameter.

.2 No tire is to be sniped, grooved, or cut in any way, shape or form to aid in traction. The use of rain or dirt tires with grooves from the manufacturer is not legal.

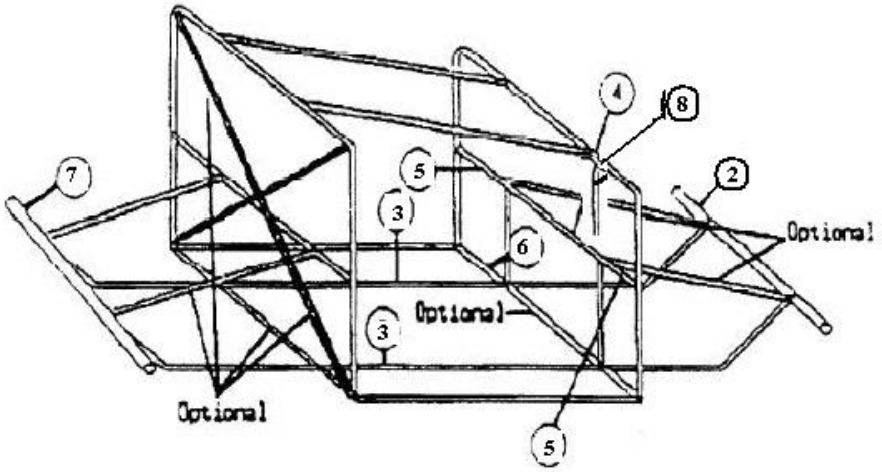
.2 Axles

.1 The minimum axle diameter is 1".

.2 Material should be steel, aluminum alloy, or other metal of equivalent strength and durability.

Section 6.0 Frame Materials & Parts

.1 Frame Materials



.1 Frame material for the following frame parts must be one of the following, or any combination of the two.

.1 Round metal tubing, 1'' OD minimum with a 1/16'' (.065'' minimum) wall thickness. 7/8'' EMT is not allowed.

.2 Square metal tubing, 1'' X 1'' minimum as measured across the flat surfaces, or 1 1/4'' minimum measured diagonally from corner-to-corner. This tubing must also have a minimum of 1/16'' (.065'') wall thickness.

.2 Front Cross Frame

.1 Must be a minimum of 32'' in width.

.2 Must come in contact with both the left and right main frame members.

.3 Main Frames - Left and Right

.1 One solid piece, no minimum length.

.2 Must run the full length of the microd from front to rear.

.3 The main frames must butt up against both the front cross frame and rear cross frame.

.4 These main frames (left and right) can be either straight or contoured, depending upon the individual design of the car.

.4 Dash Top

.1 Must be 34'' minimum width.

.2 Dash top parts can be fabricated from more than one piece of frame material.

.3 If welded as a part of the roll cage, the dash top must be made from either 3/4'' minimum round EMT conduit or 1'' minimum square steel tubing as specified in this section.

.4 The dash top must be a minimum of 13'' from the car bottom (inside car) to the bottom of the dash top, for at least a 16'' minimum width of the cockpit side-to-side opening. (measured inside)

.5 Dash Sides - Left and Right

.1 Must be at least 11'' minimum height from car bottom to the top of the left and right dash sides, except when the dash top must be 13'' minimum height in the cockpit side-to-side opening at the 16'' minimum width as specified above.

.2 If welded as part of the roll cage, the left and right dash sides must be made from 1" minimum round EMT conduit or 1'' minimum square steel tubing.

.6 Front Cross Frame - Left and Right

.1 Must be a minimum of 6'' in length.

.2 In straight frame microds, frame rail must go from the roll bar bottom to the Left and right main frame members.

.3 In contoured frame microds, front cross frames are considered to be part of the Left and right main frame members.

.7 Rear Cross Frame

.1 Must be a minimum of 35'' in length.

.2 Must come in contact with both left and fight main frame members.

.3 Should be located between the rear bumper and right and left main frame members in such a way to provide maximum protection to the rear of the microd.

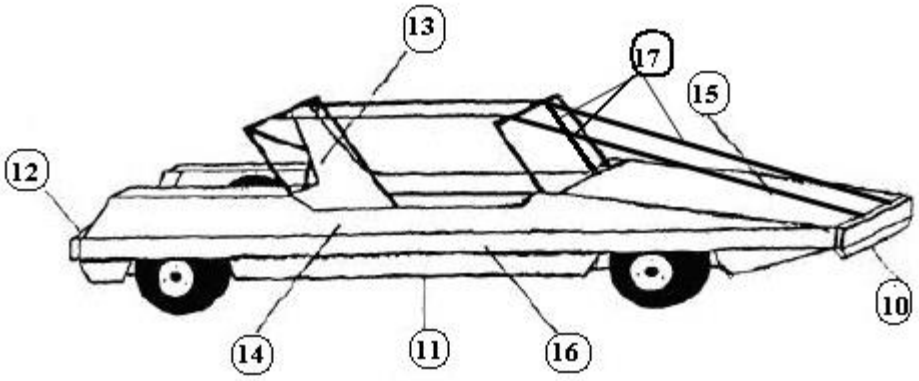
.8 Front Safety Bar/Bars

.1 A vertical third bar min. ¾''is recommended to be mounted by welding with a minimum horizontal space of ten inches on either side. The measuring reference point is at the top anchor point. OR two sprint car style down tubes [¾" steel tubing] running from front top roll bar to the front bumper.

.9 ALL FRAME PARTS

The above frame parts are required on all microds. These items may vary dimensionally but must be in the general position and within the minimum size specified. Adhering to the TCMC Plan Book dimensions will result in a sturdy and safe car; those builders who wish to vary from these suggested parts and dimensions must ensure that the mandatory parts and dimensions are still met to maintain safety construction standards.

Section 7.0 Body Parts



.1 Front Grille (optional-not to confused with scrub rail)

.1 Minimum length must be at least 32 1/2''.

.2 Height is optional, but the top of the front grille must be at least the same height as the top of the left and right scrub rails.

.3 Thickness can be either:

.1 At least 1/4'' minimum to less than 3/4'' plywood or 1/8'' polycarbonate if so, then a front scrub rail is mandatory.

.2 At least 3/4'' thick plywood or wood (i.e. oak, maple, pine, etc.), if so, then a front scrub rail is optional.

.4 Must be solid plywood or wood. Open grille patterns, cutouts, or other openings are not allowed. Poly carbon decking is allowed. Size specifications are to be the same as for wood side guard, front and rear bumpers.

.5 For microds with a grille, where the car bottom tapers upward toward the front and the frontal area is the same as the front scrub rail, the front grille can be considered the front scrub rail if it is at least 3/4'' thick.

.6 It must also be positioned perpendicular (at a 90-degree angle) to the ground.

.2 Car Bottom

.1 Must be minimum 1/2'' thick plywood or 1/8'' thick aluminum plate only.

.2 Except for the front wheel openings, it must completely cover the bottom from the front cross frame to the seat back/firewall.

.3 Car bottom can be one or more pieces of 1/2'' plywood or 1/8'' aluminum plate. For example, attached to the left and right main frame members, as follows:

.1 One piece attached on top of the frame for the driver's seat.

.2 A second piece attached to the top or bottom of the frame to make up the remaining car bottom area.

.3 Rear Bumper

.1 Must be a minimum 35'' length x 5 3/4'' minimum height (width).

.2 Must at least meet the microd scrub rail height dimension. The top of the rear bumper must be at least the same height as the top of the left and right scrub rails when measured from the ground.

.3 Can be made of either: 1/2'' minimum thick plywood or 3/4'' minimum thick solid wood.

.4 Must be solid, one-piece plywood or wood with no openings or holes, etc. Poly carbon decking is allowed. Size specifications are to be the same as for wood side guard, front and rear bumpers.

.5 Must be positioned perpendicular (at a 90-degree angle) to the ground.

.4 Seat Back/Firewall

.1 Must be 35'' minimum width.

.2 Must be made of 1/2'' minimum thick plywood or 1/8'' aluminum plate to manufactured specs. 3/8'' plywood is not acceptable.

.3 Minimum height from car bottom to the top of the seat back/firewall must be at least 12''.

.4 There must also be a full upright driver silhouette at the driver seat area on top of the Seat Back/Firewall. Which must be equal to the driver's upper body where it provides a full contact area for the head while wearing a helmet.

.5 Any seat back/firewall extensions added for a driver growing taller, must conform to item 4 above, and must be securely bolted/attached in place.

.6 Must come in contact with and be secured to the rear roll cage members.

.5 Body Side Panels - Left and Right

.1 Must be made of 1/4''minimum thick plywood, 1/8'' polycarbonate, or .030 aluminum to manufactured

.2 Must completely cover the left and right sides of the microd from the front grille to the rear bumper and from top to bottom from the hood, side cockpit cutout, and rear fenders to the car bottom and engine bed.

.3 Side panels at the cockpit cutout must be a minimum of 2'' above the top of the scrub rails.

.4 No sharp edges on all panels

.6 Hood

.1 The hood must extend front to back from the front grille to the top of the dash top and cover the entire microd front from body side panel to body side.

.2 Must be minimum 1/8'' thick plywood, polycarbonate, Masonite, or .030 aluminum and cover the front compartment completely.

.7 Scrub Rails - Left, Right, Front, and Rear

.1 Must be a minimum of 3/4'' thick x 3 1/2'' minimum width, back bumper 5 ¾ width wood (hardwood preferred), Trex-style composite decking or polymer.

.2 Must be located 10'' +/- 1'' from the ground measured to the top edge of the Scrub Rail. (i.e. a minimum of 9'' to the ground to the top edge)

.3 All scrub rails (sides, front and rear) must be perpendicular (90-degree angle) to the ground.

.4 Must cover the full length of the right and left body side panels of the microd.

.5 Left and right scrub rails must be bolted at and to the front grille and rear bumper (or front and rear cross members), and have an additional two or more bolts, at least 12'' apart, one each in any two of the four following locations, which back-up and solidly support the left and right scrub rails:

.1 Left and right dash sides

.2 Roll cage horizontal safety bars

.3 Roll cage front or back vertical bars

.4 Seat back/firewall

.8 Vertical Safety Bar/Bars Mandatory

.1 A vertical third bar min.¾'' is recommended to be mounted by welding with a minimum horizontal space of ten inches on either side. The measuring reference point is at the top anchor point.

.2 OR two sprint car style down tubes [¾" steel tubing] running from front top roll bar to the front bumper.

The roll cage is probably the single most important safety item required in the construction of a microd. Extreme care should be exercised when constructing and welding this item. It is recommended that only those experienced in the art of welding should construct their own roll cage.

Section 8.0 Roll Cage

.1 Roll Cage Construction Materials (new construction after 01/2020)

.1 The roll cage must be constructed of round or square steel tubing or a combination of the two types as follows

1.Round steel tubing - 1'' OD minimum x .065'' minimum wall thickness. (NOTE: This does not allow the use of 3/4'' E.M.T.)

.2 Square steel tubing, 1'' minimum x 1'' minimum measured across the flat surfaces. This material must also have a minimum .065'' wall thickness.

.3 Steel parts must be of only one-piece construction. A welded roll cage is considered to be one-piece construction.

.4 Roll cage must be of welded construction and may be bent side-to-side or from front to rear. Bars that are one-piece tubing, cannot have a smaller radius than 5.5'' at the bend, and should not have any kinks

.5 NOTE: For increased safety and strength, it is recommended that a minimum 1'' round tubing be used to construct all new microd roll cages.

.2 Roll Cage Construction Materials (preconstruction 01/2020)

.1 The roll cage must be constructed of round or square steel tubing or a combination of the two types as follows

.1Round steel tubing - 3/4'' OD minimum x .050'' minimum wall thickness. (NOTE: This does not allow the use of 1/2'' E.M.T.)

.2 Square steel tubing, 3/4'' minimum x 3/4'' minimum measured across the flat surfaces (or 1'' as measured diagonally from corner to corner). This material must also have a minimum .050'' wall thickness.

.3 Steel parts must be of only one-piece construction. A welded roll cage is considered to be one-piece construction.

.4 Roll cage must be of welded construction and may be bent side-to-side or from front to rear. Bars that are one-piece tubing, cannot have a smaller radius than 5.5'' at the bend, and should not have any kinks

.5 NOTE: For increased safety and strength, it is recommended that a minimum 1'' round tubing be used to construct all new microd roll cages.

.3 Roll Cage Dimensional Specifications

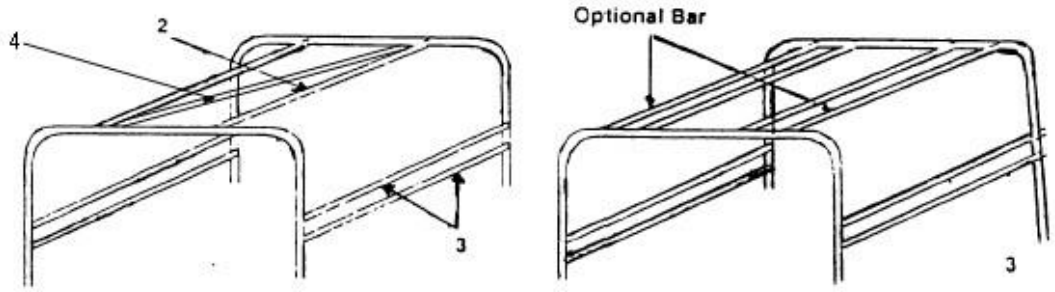
.1. The roll cage must run the full length of the cockpit and must be securely anchored to the floor (car bottom).

.2 The roll cage uprights and the horizontal safety bars must be no more than a maximum of 4'' inside the car when measured from the outside of the scrub rails.

.3 The roll cage must come in contact with the floor, the dash (top or sides) and the seat back/firewall.

.4 The Overhead Bar and the Rear Bar must be a minimum of 3'' above the drivers helmet when the driver is seated in the car. When constructing the roll cage, it is recommended to allow an additional clearance (3 - 4'') to provide for growth of the driver.

.5 The roll cage must have 2 safety bars (#2) on the top (see next page) that run the full length of the cockpit opening, parallel with the side of the car, so that when the microd lies on its side, these bars measure 8'' +/- 1'' from the ground, preventing another car from injuring the driver from the top.



.6 The distance from the top front roll bar to the top rear roll bar cannot exceed a maximum of 34'' when measured from outside to outside of the roll bars. If this dimension exceeds 34'', then an additional top bar is required on the roll cage, located in a position to protect the driver's head.

.7 For additional safety, two side bars (#3) on each side (see figure), must run parallel with left and right-side body panels the full length of the cockpit:

.1 Two (one on each side) directly inside of and in-line with the side scrub rails, at a height of 8'' +/- 1'' from the ground.

.2 Two (one on each side) above the top of the side scrub rails (recommended distance approximately 1'' to 2'' above the top of the scrub rails, and no higher than the top of the dash top.)

.8 Front roll cage can be a maximum of 6'' lower than the rear bar.

.9 The above diagrams are to help illustrate what is required for a strong and safe roll cage as determined by TCMC.

.10 All cars with the minimum two overhead bars must have a third bar, minimum 1" steel tubing, running diagonal from the back of one overhead bar where it makes contact with the back horizontal bar, to the front of the other overhead bar where it makes contact with the front horizontal bar.

.11 Roll cage must be of welded construction and may be bent side-to-side or from front to rear. Bars that are one-piece tubing, cannot have a smaller radius than 5.5'' at the bend, and should not have any kinks.

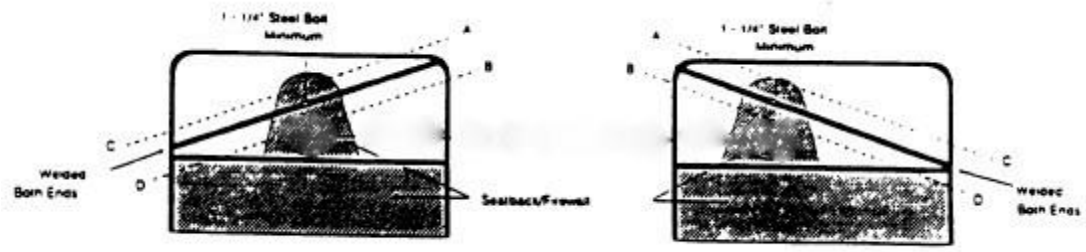
.4 Roll Cage - Seat Back / Firewall Support

.1 The seat back/firewall must be securely and rigidly fastened to the roll cage in a manner that adds side-to-side strength to the roll cage while increasing the rigidity of the upper part of the seat back driver silhouette. Described below are six options to accomplish this.

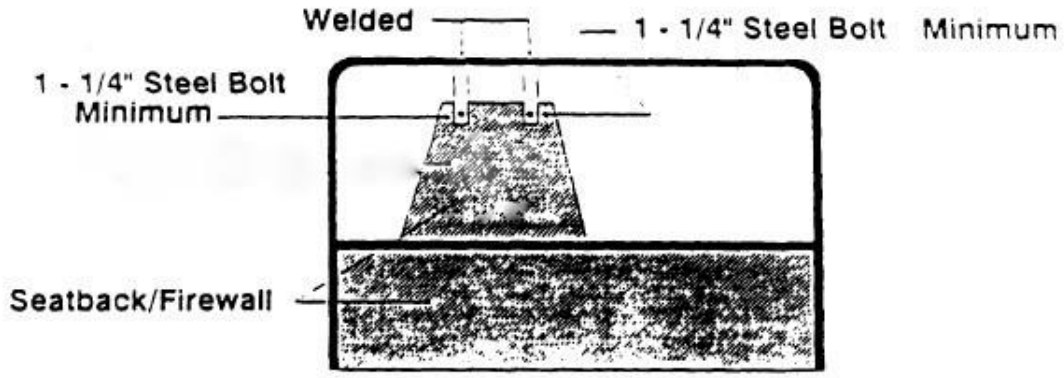
.1 Option 1 - The top of the driver silhouette extends to the top of the rear cross bar of the roll cage and is securely bolted to the roll cage using a minimum of 1/4'' steel bolt.

.2 Option 2 - The top of the driver silhouette is supported by a piece of roll cage material welded to the top rear cross bar of the roll cage. This brace is fastened to the seat back driver silhouette with two 1/4'' steel bolts at a minimum of 6'' apart. NOTE: The use of flat steel (example 1'' x .090'') is no longer an acceptable substitute for roll cage material.

.3 Option 3 - The driver silhouette is supported by one diagonal reinforcing brace made of roll cage material that is welded at both ends to the roll cage upright bars. This brace may be positioned either from the upper left to lower right or from the upper right to the lower left of the roll cage. This diagonal brace MUST be positioned so that the upper end is located between points A & B, and the lower end is located between points C & D. The seat back driver silhouette must then be securely fastened with a minimum of 1/4'' steel bolt.

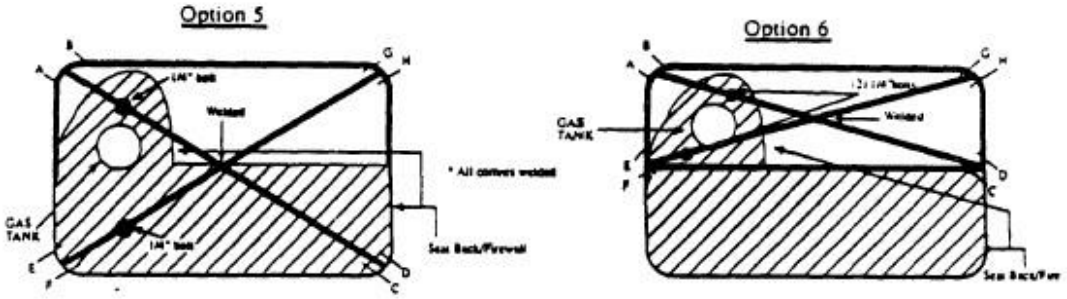


.4 Option 4 - The top or the seat back driver silhouette can be supported by two pieces of roll cage material welded to the top rear cross bar of the roll cage. The ends of these two braces are then attached to the seat back driver silhouette with two 1/4'' steel bolts; the distance between these two bolts (B) - (the ends of the two braces) must be at least as far apart as the distance between the top of the driver silhouette and the rear top cross bar on the roll cage.



.5 Option 5 - Seat back drivers silhouette to be supported by two (2) pieces of minimum 1/2'' E.M.T. .050'' thickness metal tubing minimum .050'' thick to be welded from point A and B to Point C and D from point E and F to point G and H, forming a ''triangulated-x'' construction thus tying in the upper corners of the roll cage to the lower points of the frame rails.

.6 Option 6 - Tying the upper corners of the roll cage to the tie bar from cage bar to cage bar bolted to the seat back firewall with the minimum of two (2) 1/4'' bolts and a minimum of two (2) inches from each side of the seat back.



.5 Additional Roll Cage - Seat Back / Firewall Notes

.1 If any extensions are added to the original seat back/firewall, all measurements and location requirements are measured to the original seat back/firewall, not to the extensions.

.2 All microds must be constructed using one of the six seat back/firewall roll cage support options as described above and in the four illustrations. If the different method is determined to be unsafe, the subject microd will not be allowed to participate in that race event until acceptable changes are made.

Section 9.0 Dimensions, General Requirements, Compartments and Guards

.1 Dimensions

.1 Overall body length must be 84'' +/- 2'' (minimum 82'' to 86'' maximum) as measured from outside of the front grille to the outside of the rear bumper.

.2 Wheelbase must be 54 1/2'' +/- 2'' (minimum 52 1/2'' to 56 1/2'' maximum), when measured from center of the front wheel to the center of the rear wheel on BOTH sides.

.3 Front width of car measured outside of scrub rails must be a minimum of 34'' to 40'' maximum.

.4 Rear width of car measured outside of scrub rails must be 37'' minimum to 40'' maximum.

.5 Scrub rails must be a minimum of 3/4'' thick x 3 1/2'' wide and must be mounted at a 90-degree angle to the ground. Scrub rails must be located so the top of scrub rails (and/or front grille and rear bumper, when front and rear scrub rails are optional) measure 10'' +/- 1'' from the ground.

.2 General Requirements

.1 Minimum weight of all microds without driver must be 200 lb.

.2 All microd numbers must be located in following areas:

.1 On the top of the hood, minimum of 6'' high.

.2 On the left and right body side panels, a minimum of 4'' high.

.3 On the rear of the seat back/firewall, a minimum of 4'' high.

.4 If equipped with a roof, optional 6" high number, but still mandatory on hood.

.5 All numbers must be of a style and color (with good contrast) and clearly legible for the scorers to read.

.6 Any valid unused 1- or 2-digit number may be used. Contact the club secretary for an unused number in your class.

.3 Decorations, simulated parts, bolts, brackets, or other similar parts that stick out or protrude outside the basic microd body and roll cage dimensions will not be allowed.

.1 Engine gauges, camera/video cameras are allowed as long as they are located inside of the car and present no safety hazard to the driver.

.3 Compartments and Guards

.1 Front compartment

.1 Front compartment is defined as the area enclosed by the front scrub rail or front grill, body side panels, and hood, back to the dash top and sides.

.2 Gas and brake pedals must be positioned so that when fully depressed and the drivers foot slips off, it does not become caught between the pedals and inner fenders or cause the pedals to stick.

.2 Steering wheel column

.1 The steering column must be anchored securely enough to prevent the steering column and wheel from being driven toward the rear and into the driver.

.2 All microds must be front wheel steering and rear wheel drive.

.3 For bolster, knuckle, rack & pinion or any other type of steering, the following must be used on the steering assembly:

.1 Double nuts, self-locking nuts or safety wires on all steering components and on all Heim ends

.4 Inner Fenders

.1 Inner fenders, left and right are required and must totally enclose and protect the driver's feet.

.2 The fenders must allow the driver to easily reach and operate the brake and accelerator pedals while not allowing the feet to become entangled in any other parts of the car or to touch the ground.

.3 All inner fenders will be securely mounted using any combination of nuts or bolts.

.4 Inner fenders may be made of the following materials:

.1 1/4'' minimum plywood

.2 1/8'' minimum Masonite

.3 .015'' minimum sheet metal (steel or aluminum)

.4 1/8'' minimum polycarbonate

.5 Front Grille Braces (if equipped)

.1 Front grill braces, both left and right, must be made of suitable metal material to provide the desired strength and support.

.6 Dash Top Braces

.1 Dash top braces, both left and right, must be made of suitable metal material to provide the desired strength and support.

.2 On cars where the dash top is not connected to, or part of the roll cage, a minimum of two dash top braces must be installed from the dash top to the left and right main frame members.

.7 Other Protrusions

.1 Any other protrusions (i.e. bolts, brake & gas pedal brackets, pedal holding fixtures, etc.) must be eliminated or padded to prevent injury to the driver.

.8 Cockpit Compartment

.1 Cockpit compartment is the area enclosed by the dash top/sides, side body panels, and seat back/firewall.

.2 The cockpit opening must be a minimum of 24'' front to back as measured from the inside face of the dash top to the inside of the 12'' minimum height dimension of the seat back/firewall.

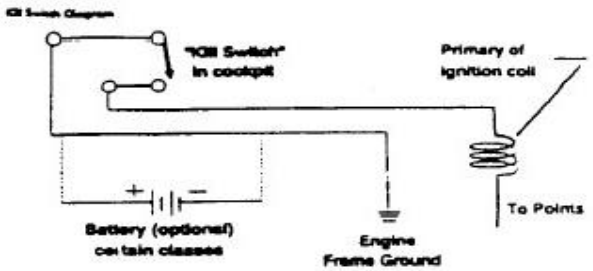
.3 Minimum cockpit opening inside of car measured along the dash top must be at least 16''.

.4 Dash top height must be a minimum of 13" from car bottom (floor) to the bottom of the dash top, for at least the entire 16'' minimum width of the cockpit side-to-side opening.

.9 Kill Switch

.1 All microds must have a "kill-switch" which allows the driver to quickly and easily shut off the engine at any time.

.2 The "kill-switch" must be located to the left or right of the driver, or on the steering wheel/column, but not protruding from the dash top.



.10 Safety Net

.1 A safety net (nylon or NASCAR type webbing) must be installed to protect the driver's arms and hands during racing or an accident.

.2 The safety net must be attached to the front and rear roll cage uprights with quick disconnect system.

.3 The top of the safety net must not be lower than the driver's shoulder, and if possible, should be above the shoulder.

.4 The safety net must be installed tight enough to remove slack, and the bottom of the net must be secured so there are no openings and the driver's hand cannot poke through.

.5 Safety nets are mandatory on the left side cockpit opening on ALL microds. Right side net is suggested but not required unless driver's seat is centered. See below.

.6 If the driver's seat is in the center or to the right of the cockpit, then an additional net is required on the right side of cockpit opening.

.11 Seat Belts/Harnesses

.1 All microds must be fitted with a five-point seatbelt harness which:

.1 come over both shoulders and connect to the lap belt.

.2 has a sub strap that connects the lap belt to the floor.

.2 Belts must be in good condition - not worn or ripped.

.3 Belts must be securely fastened to the car bottom and seat back/firewall

.4 All belts must have suitable adjustment to hold the driver firmly in the car seat.

.12 Following are seat belt installation guidelines:

.1 Measuring for lap belt:

.1 Allow a minimum of 3'' pull tab on each side.

.2 Measure the distance from mounting point to mounting point across the lap and add 6''.

.3 Compare to the belt length range.

.2 Shoulder harness lengths are based on the distance from the adjuster to the mounting point, measured halfway between the collarbone and the chest nipple (approximately underarm level). The shorter the better here. Once installed, take up any slack in the chest harness by the mounting point.

.3 Anchor the shoulder harness behind the driver and install according to manufacturer's instructions.

.4 Install the sub strap at an angle parallel to the body line.

.5 Do not allow any adjustment buckles to ride on the seat. Maintain a minimum of 1 1/2'' between the seat and the buckles.

.6 Mounting brackets should be installed at the same angle, as the webbing will be pulling under load.

.13 Steering Wheel

.1 All microds are required to use full round, half round. or butterfly style steering wheels.

. 14 Engine Compartment

.1 The engine compartment is the area enclosed by the seat back/firewall and body side panels back to the rear bumper.

.2 It contains the gas tank, engine, engine bed, rear axle, brakes, drive chain & sprocket, chain guard and rear fenders.

.15 Gas Tank

.1 OEM (original equipment manufacturers) gas tanks in stock locations.

.16 Guards - Chain, Clutch and Sprocket

.1 Microds must use a guard that covers the chain so in the event the chain comes loose/breaks, chain can't be ejected out of the engine compartment from above scrub rail. Recommended guard goes from the seat back/firewall back to the rear bumper or rear of engine bed that suitably covers all chains, belts, pulleys, gears, sprockets, and clutch.

.2 Guards must be a minimum of 2'' wide and made from either 1/4'' minimum plywood or .030'' minimum sheet metal with no sharp or jagged edges or 1/8'' polycarbonate.

.17 Rear Wheel fenders

.1 The Rear Wheel fenders, both left and right, must extend from the rear bumper forward and cover at least the length and width (diameter) of the rear tires. All rear fenders must be made of the following materials :1/4'' minimum plywood or .030'' minimum sheet metal with no sharp or jagged edges or 1/8'' polycarbonate.

Section 10.0 Power Train Requirements

.1 Power Train

.1 The following are the general requirements and modifications that can be made to the power/drive train in all microd classes.

.2 All microds must be powered by stock OEM Honda motor as specified for microd class.

.2 Clutch

.1 All Microds must have a drum style clutch located on the engine crank/drive shaft and must be capable of idling the engine at a full stop. NO disc style clutch allowed

.2 The drive train can be of the direct type (clutch to sprocket) or jack shaft type.

.3 Rear Drive Axel/wheels

.1 Must be live one-piece axle with no free spin or ratchet hubs, i.e. no free-spinning style hubs allowed.

.4 Brakes

.1 Brakes must be of design and type that can stop the microd if the drive chain or belt breaks.

.2 All microds must have a braking system to stop both back wheels.

.3 The two most common braking systems used are hydraulic or mechanical disc or mechanical shoe (drum) brakes.

For more information check our website

www.tricountymicrod.com