

# Winchester Speedway

## Pure Stock Rules

### 2010

**DIRECT ALL TECH QUESTIONS TO ANY OF THE FOLLOWING:**

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**CAR & BODY** - ANY 1965 AND UP DOMESTIC COMPLETE BODIED PRODUCTION CAR, ORIGINAL BODY PANELS OR SHEET METAL FORMED TO ORIGINAL BODY DIMENSIONS MAY BE USED. THE BODY MUST SET IN ORIGINAL POSITION. THE ROOF MUST REMAIN STOCK PRODUCTION. HOOD AND TRUNK CAN BE FABRICATED USING METAL OR ALUMINUM. NO TRUCKS, 4 WHEEL OR FRONT WHEEL DRIVE CARS OR BODIES, SPORTS CARS, CONVERTIBLES OR JEEPS ALLOWED. NO CAMEROS, FIREBIRDS, OR MUSTANGS. ALL DOORS MUST BE WELDED, OR BOLTED CLOSED. ALL GLASS REMOVED. A SHEET METAL COVER MUST BE PLACED OVER THE REAR FIREWALL ENCLOSING TRUNK OF THE CAR. DASH MUST NOT EXCEED 16 INCHES BACK FROM THE CENTER OF THE WINDSHIELD AND 7 INCHES DOWN TOWARDS THE FLOOR. (16' X 7") MINOR FENDER CLEARANCE FOR TIRES IS ALLOWED. BUMPERS MUST BE REINFORCED BUT RETAIN THE STOCK APPEARANCE. NO RUB RAILS ALLOWED. FRONT AND REAR BUMPER HOOPS ARE PERMITTED VERTICALLY ON TOP OF BUMPERS. AFTERMARKET NOSES ARE PERMITTED BUT REMAIN WITHIN FACTORY BODY STYLES. I.E. MONTE CARLO=MONTE CARLO, T-BIRD=T-BIRD, ETC.

NON-ADJUSTABLE 3" SPOILERS ALLOWED WITH NO WINGS. SKIRTING ON BOTTOM OF DOORS MAY BE PLASTIC. LEXAN CAN BE USED IN REAR SIDE WINDOWS. REAR ENGINE MOUNTS MAY BE USED, MID-PLATE OPTIONAL.

\*\*AFTERMARKET FLOORPANS OPTIONAL TO THE FOLLOWING SPECS:

- A) FIREWALL AND FLOOR PANS MUST BE MADE OF 20 GAUGE STEEL
- B) THE TUNNEL BESIDE DRIVER'S SEAT ABOVE TRANSMISSION CAN NOT BE MORE THAN 8" FROM FLOOR PAN AND MUST BE BENT AT 90 DEGREES AND GO STRAIGHT ACROSS TO RIGHT DOOR.
- C) INTERIOR MAY BE ALUMINUM, MAY BE BOXED IN BEHIND DRIVER'S SEAT BUT MUST RUN DOWN TO X BRACE CROSS BAR.
- D) RIGHT SIDE FRONT FIREWALL CAN BE NO FURTHER BACK THEN 29" FROM RIGHT FRONT SHOCK HOLE.

**\*\* SEE FIGURE # 1**

**ENGINE** - MUST BE IN THE ORIGINAL LOCATION FROM FACTORY. NO DRYSUMPS PERMITTED. OIL COOLERS ARE PERMITTED.

**HEADS** - MUST BE STOCK PRODUCTION CAST IRON ONLY, PORT MATCHING ALLOWED. NO GM ANGLE PLUG HEADS ALLOWED. NO BRODIX, DART, ETC...STOCK REPLACEMENT HEADS FROM WORLD PRODUCTS (GM # 042660B AND FORD # 053020B) ARE PERMITTED. VORTEX GM HEADS ARE PERMITTED. STOCK PRODUCTION ROLLER TIP ROCKERS WILL BE ALLOWED,

NO ROLLER LIFTERS OR STUD GIRDLES ALLOWED.

**CRANKSHAFT / RODS / CAMSHAFT** - AFTERMARKET CRANK AND RODS ALLOWED, MUST HAVE 3 1/2 INCH STOCK HEIGHT VALVE COVER. CAMSHAFT AND VALVE TRAIN MUST BE STOCK WITH SHORT VALVE COVERS. MUST USE HYDRAULIC CAM AND LIFTERS.

**CARBURETORS** - STOCK SINGLE 2 BARREL CARBURETOR NO LARGER THAN 500 CFM. MAXIMUM MEASUREMENTS ARE 1.3750 VENTURI BORE AND 1.6875 THROTTLE BASE PLATE BORE. NO MODIFICATIONS, GRINDING OR CUTTING ALLOWED, WITH THE EXCEPTION OF THE CHOKE REMOVAL. THE CARBURETOR MUST RETAIN THE CORRECT BORES WHICH WILL BE INSPECTED. NO LARGER THAN A 1 INCH SPACER OR ADAPTOR WITH .060 GASKETS. NO MARINE, TRICK OR NITROUS KITS ALLOWED. A STOCK HOLLEY CARBURETOR (STAMPED 4412) IS PERMITTED WITH A 2 BARREL CAST IRON INTAKE OR AN EDELBROCK PERFORMER INTAKE.

**INTAKE MANIFOLDS** - NO MODIFICATIONS, CUTTING OR GRINDING ALLOWED. EDELBROCK PERFORMER INTAKES (GM # 2101 AND GM EDL # 2116, FORD # EDL 2181 AND CHRYSLER EDL 2176) ARE PERMITTED. IF USING VORTEC HEADS YOU MUST USE THE PERFORMER INTAKE. **THE PERMORMER RPM INTAKE IS NOT ALLOWED.**

**EXHAUST** - CAST IRON MANIFOLDS OR COLLECTOR TYPE HEADERS ALLOWED. NO LARGER THAN 3 1/2" **MANDATORY EXTERNAL MUFFLER AT THE END OF THE EXHAUST PIPES. NO MODIFICATIONS TO MUFFLERS.**

**IGNITION** - STOCK COIL, POINTS, OR MSD HEI IGNITION ONLY. NO MSD BOXES. CARS MUST BE SELF-STARTING. NO MAGNETOS OR AFTERMARKET COMPONENTS ALLOWED. ALL IGNITION PARTS MUST BE LOCATED IN A PLACE FOR EASY TECH INSPECTIONS.

**FUEL** - AFTERMARKET MECHANICAL FUEL PUMP ONLY. GASOLINE ONLY, NO ADDITIVES OF ANY KIND.

**BATTERIES** - MUST BE LOCATED OUTSIDE THE DRIVERS AREA AND SECURED SAFELY.

**CLUTCHES** - A STOCK STYLE SINGLE DISC CLUTCH WITH STEEL FLYWHEEL ONLY. ANY TYPE OF THROWOUT BEARING MAY BE USED. **MUST HAVE BLOWPROOF BELL HOUSING.** A HOLE OF AT LEAST 1 1/2 INCHES MUST BE CUT INTO THE BOTTOM OF THE BELL HOUSING FOR CLUTCH INSPECTIONS.

**TRANSMISSIONS** - STOCK TYPE STANDARD OR AUTOMATIC TRANSMISSION MUST BE USED. NO ALTERATIONS OR FIVE SPEEDS ALLOWED. AUTOMATIC TRANSMISSIONS MUST RETAIN THE STOCK TORQUE CONVERTER. TRANSMISSION CROSSMEMBER MAY BE REPLACED WITH SQUARE TUBING. THE TRANSMISSION MUST HAVE AN OPERATING REVERSE.

**REARENDS** - STOCK TYPE REAREND MUST BE USED AND MUST BE LOCKED. FORD 9 INCH REARS ARE OPTIONAL WITH STOCK MOUNTS IN THE STOCK LOCATIONS.

**FRAMES** - THE REAR FRAME RAILS MAY BE REPLACED WITH BOX TUBING FROM CENTER OF

THE REAR BACK. MUST BE MADE OF 2" X 3" BOX TUBING.

**\*\* SEE FIGURE #2**

- A) FRAME MAY HAVE CROSS MEMBER OR X BRACE ON FRAME
- B) SEAT MAY NOT SET ANY CLOSER THAN 30" TO CENTER OF REAR AXLE.

THIS MEANS ANY PART OF SEAT INCLUDING BACK.

C) MAY REPLACE REAR FRAME RAILS WITH 2x3 BOX TUBING FROM CENTER OF THE REAR BACK.

D) FIREWALL MAY BE NO FUTHER THEN 18" FROM FRONT SHOCK HOLE TO FIREWALL ON DRIVER'S SIDE.

- E) ENGINE MUST BE STOCK LOCATION

\*\*CHEVROLET = 2ND SPARK PLUG ON RIGHT SIDE IN LINE WITH SHOCK HOLE

\*\*FORD = SPARK PLUG IN LINE WITH SHOCK HOLE OR STRUT MOUNT

F) CAGE MUST SET AT HOLE IN REAR FACTORY FRAME HOLE OR ONE INCH IN FRONT OF HOLE.

**ROLLCAGE - \*\* SEE FIGURE #3** (NUMBERS ON DIAGRAM = 1 MAIN HOOP, 2 MAIN TOP HOOP, 3 BRAIN BAR, 4 WINDOW POST, 5 FRONT CROSSBAR, 6 X BRACE CROSS BAR)

1) MAIN HOOP MUST BE AT LEAST 37" TALL FROM TOP OF FRAME TO TOP OF HOOP.

- 2) MAIN TOP HOOP MUST BE NO LESS THAN 36" WIDE OUTSIDE.
- 3) MUST HAVE BRAIN BAR ABOVE DRIVER FLUSH WITH ROOF.
- 4) MUST HAVE WINDOW POST ON BOTH SIDES.
- 5) CAGE MUST BE X BEHIND DRIVER.
- 6) MUST HAVE 4 DOOR BARS ON LEFT
- 7) MUST HAVE 3 DOOR BARS ON RIGHT
- 8) NO OFF SET ROLL CAGES ALLOWED

MUST BE A 4 POST DESIGN AND WELDED SECURELY (360 DEGREES AROUND THE PIPE) TO THE FRAME. FRONT ROLL BAR MUST FOLLOW THE CONTOUR OF THE WINDSHIELD. THE REAR ROLL BAR MUST BE BEHIND THE DRIVERS SEAT AND BRACED IN AN "X" PATTERN. THE TOP OF THE ROLL BARS MUST BE AT LEAST 4 INCHES ABOVE THE DRIVERS HEAD. TWO BARS MUST BE ANCHORED FROM THE TOP OF THE ROOF BAR DOWN TO THE BACK OF THE CAR. DRIVERS SIDE DOOR MUST HAVE AT LEAST 4 HORIZONTAL BARS AND THE PASSENGER SIDE MUST HAVE AT LEAST 3 HORIZONTAL BARS BOTH WITH VERTICAL BARS CONNECTING THEM TOGETHER. SEAMLESS TUBING OF 1 1/2 INCHES OR SEAMED TUBING OF 1 3/4 INCHES IN DIAMETER WITH A MINIMUM OF .125 WALL THICKNESS MUST BE USED. NO SCREWED TYPE OR FITTING PIPES TOGETHER. ALL BARS NEAR THE DRIVER MUST BE PADDED. ONE BAR MUST BE INSTALLED FROM THE UPPER ROOF BAR DOWN TO THE TOP DOOR BAR ON BOTH SIDES. FINAL APPROVAL OF THE ROLL CAGE WILL BE UP TO THE TECH OFFICIALS. ALSO FOR SAFETY, THREE (3) WINDSHIELD BARS MINIMUM OF 7/16 SQUARE OR ROUND TUBING, SECURED.

**DRIVESHAFTS** - A SAFETY LOOP MUST BE INSTALLED OVER THE FRONT END OF THE DRIVESHAFT. TWO INCH X 1/4" FLAT BAR DRIVESHAFT LOOPS. THE DRIVESHAFT MUST BE PAINTED WHITE.

**SUSPENSIONS** - MUST REMAIN ABSOLUTELY STOCK WITH ONLY MINOR MODIFICATIONS TO COIL OR LEAF SPRINGS. COIL SPRING ADJUSTERS ARE PERMITTED BUT WEDGE BOLTS

ARE NOT ALLOWED. ANY UNIBODY PRODUCTION CAR THE WHEELBASE MUST BE A MINIMUM OF 105 INCHES, ANY FULL FRAME PRODUCTION CAR THE WHEELBASE MUST BE A MINIMUM OF 108 INCHES. NO HEIMS OF ANY KIND OTHER THAN STEERING AND ACCELERATOR LINKAGES. SWAYBARS ARE PERMITTED. ALL MOUNTING BRACKETS MUST BE COMPLETELY STOCK AND IN ORIGINAL LOCATION. ALL SUSPENSION PARTS MUST BE COMPLETELY STOCK WITH THE EXCEPTION OF THE FOLLOWING: TOP A ARMS MAY BE CUT FOR CAMBER GAIN, UPPER TUBE ARMS ALLOWED IN STOCK POSITION ONLY, TOP TRAILING ARMS MAY BE CUT FOR PINION ANGLE- MUST BE THE SAME LENGTH, AND MAY REPLACE STOCK BUSHINGS WITH STEEL OR TEFLON. MUST HAVE A HOLE CUT IN DASH ON LEFT HAND TOP 6"x 6" WITH A REMOVABLE OR HINGED LID. MUST HAVE 16 GAUGE STEEL OR .080 ALUMINUM PLATE ON OUTSIDE OF DRIVER'S DOOR (22" x24" MINIMUM. MUST HAVE 16 GAUGE STEEL OR .080 ALUMINUM UNDER DRIVER'S FEET FROM PEDALS TO DRAIN HOLE UNDER SEAT.

MUST HAVE 3 BARS OF 1/2" DIAMETER, SQUARE OR ROUND IN FRONT OF DRIVER.

**FUEL CELLS** - FUEL CELLS ARE MANDATORY AND MUST BE LOCATED INSIDE THE TRUNK AREA. ANY OTHER TYPE IS NOT PERMITTED. CELL MUST BE INSIDE A STEEL CASE WITH AT LEAST TWO STRAPS 2 INCHES WIDE WRAPPING AROUND THE ENTIRE FUEL CELL. ALL INTERIOR FUEL LINES MUST BE COVERED. FUEL CAPS MUST BE MARKED WITH CLASS & NUMBER.

**BRAKES** - ALL FOUR WHEELS MUST HAVE AN OPERATING BRAKE IN GOOD CONDITION. NO THREE WHEEL, OR PROPORTIONING VALVES ALLOWED. BRAKE ADJUSTERS, MASTER CYLINDERS, OR AFTERMARKET DUAL MASTER CYLINDERS, ROTORS, CALIPERS OR DRUMS ARE PERMITTED. **FOUR WHEEL DISC ARE PERMITTED. STOCK TYPE, STEEL SINGLE PISTON CALIPERS ONLY, NO ALUMINUM CALIPERS.**

**RADIATOR** - ANY SINGLE RADIATOR IN THE ORGINAL LOCATION MAY BE USED. ELECTRIC FANS ARE PERMITTED.

**SHOCKS** - MUST BE OF STOCK FACTORY STYLE WITH NO HEMI ENDS AND LOCATED IN THE ORIGINAL FACTORY LOCATION. NO COIL OVERS.

**TIRES** - HOOSIER SPEC TIRES (SIZES 88, 90, 92) ARE ALLOWED. COMPOUNDS OF 35 & 55 ONLY. THE TIRE NAME AND COMPOUND MUST BE SHOWN ON THE OUTSIDE OF THE TIRES AT ALL TIMES AND NOT BE COVERED IN ANY MANNER.

**BALLAST** - ALL BALLAST WEIGHTS MUST BE MADE OF LEAD AND SECURED BY BOLTING, NO WIRE TYING, WIRE TIES, TAPING ETC. ALL LEAD BALLAST MUST BE PAINTED WHITE AND HAVE YOUR CAR NUMBER ON EACH PIECE. **NO EXCEPTIONS !**

**WHEELS** - RACING, WHITE SPOKE OR STOCK STEEL WHEELS MUST BE USED. LARGE STUDS OR OVERSIZED LUG NUTS MUST BE USED. WHEELS CANNOT EXCEED 12 INCHES IN WIDTH. NO BEAD LOCKS.

**SAFETY EQUIPMENT** - A RACING TYPE FIRESUIT, HELMET, SHIELD, SEAT, SAFETY BELTS AND WINDOW NETS ARE MANDATORY. THE SAFETY BELTS AND SEAT MUST BE ATTACHED TO THE ROLL CAGE OR FRAME AND BE NO MORE THAN TWO YEARS OLD. A FULLY OPERATIONAL

FIRE EXTINGUISHER MUST BE LOCATED WITHIN REACH OF THE DRIVER. IT IS RECOMMENDED THAT A LAP BELT HOLD UPPER LEGS AND LOWER BODY TO THE SEAT, WHILE SHOULDER BELTS HOLD UPPER BODY BACK AGAINST THE SEAT. SAFETY BELTS MUST BE RACE APPROVED. I.E.: SIMPSON, RJ'S ETC. SAFETY CUT-OFF SWITCH IS HIGHLY RECOMMENDED.

**TOWING** - TOW CHAINS ARE MANDATORY AND MUST BE ON BOTH ENDS OF THE RACECAR.

**NUMBERS** - MUST BE PLACED ON BOTH SIDES AND ROOF OF THE RACE CAR BEING AT LEAST 18 INCHES BY 3 INCHES WIDE.

**CREW MEMBERS** - ANY CREW MEMBER WHO ENTERS THE SPEEDWAY DURING THE RACES OR WHILE UNDER CAUTION/RED FLAG CONDITIONS WILL CAUSE THEIR DRIVER TO BE DISQUALIFIED FOR THAT EVENT. NO CREW MEMBER ARE ALLOWED IN THE TECH AREA WHILE TECH INSPECTIONS ARE BEING DONE. THIS WILL CAUSE YOUR DRIVER TO BE DISQUALIFIED.

**THE FOLLOWING SECTION DEALS WITH CRATE ENGINES PARTICIPANTS**

GM CRATE ENGINE 602 ALLOWED

ALL ENGINES WILL BE SEALED. GM ENGINES ARE SEALED FROM THE FACTORY. ALL ENGINES AND PARTS MUST BE AS FROM FACTORY AND ALL COMPONENTS THERE OF. ANY CHANGES WILL RESULT IN DISQUALIFICATION AND NO POINTS AWARDED. THIS INCLUDES BUT IS NOT LIMITED TO HARMONIC BALANCERS, VALVE SPRINGS, PUSH RODS, ROCKER ARMS, AFTER MARKET VALVE COVERS. \*\*NO UPGRADES ARE ALLOWED TO ANY ENGINE THAT MAY PRODUCE POWER VIA "PERFORMANCE ENHANCING METHODS".

**CARBURETORS**

ANY 750 CFM CARB OR SMALLER ARE ALLOWED ON CRATE ENGINES. MUST HAVE 1 11/16<sup>TH</sup> BASE PLATE MAXIMUM. NO EXCEPTIONS (BILLET BASE PLATES MAY BE USED (.780 MAXIMUM). TWO INCH CARB SPACER ON GM 602 (0 TOLERANCE) PLEASE TAKE TIME TO CHECK YOUR PLATE WITH A GAUGE, NOT A TAPE MEASURE. SPACER MAY NOT PROTUDUE INTO CARB OR INTAKE AT ANY POINT. ONE GASKET PER SURFACE. .070 MAXIMUM.

\*NO FUEL INJECTON, NITROUS OXIDE OR OTHER TYPE SYSTEMS ALLOWED.

\*TWO THROTTLE SPRINGS STRONGLY RECOMMENDED.

\*AEROSOL CARBS ARE NOT LEGAL.

**EVACUATION SYSTEMS**

EVACUATION SYSTEMS ARE NOT ALLOWED OF ANY TYPE, PERIOD! NOTE: THIS MEANS ANY TYPE VACUUM SYSTEM.

**HEADERS**

TRI Y HEADERS ARE NOT LEGAL

NO MERGE COLLECTORS

**OIL PUMP**

WET SUMP ONLY.

NO EXTERNAL OIL PUMPS PERIOD. EVEN IF CONSIDERED "WET".

REMOTE OIL FILTER AND LINES PERMITTED. (ONE) REMOTE OIL FILTER.

OIL COOLER ALLOWED. (ONE)

**DISTRIBUTOR**

NO MAGNETOS.

ELECTRONIC IGNITION ALLOWED.

MSD TYPE BOX ALLOWED.

TRACK RETAINS THE RIGHT TO CHANGE MSD BOXES WITH ANY CAR AT ANY TIME WITHOUT NOTICE. NO CRANK TRIGGERS OR DEVICES INSIDE CAR THAT ALLOW ADJUSTMENT OF TIMING.

**SPOILERS**

4" SPOILERS ARE ALLOWED ON CRATE PURE STOCK CARS ONLY.

**CHEATING**

CHEATING ON ENGINES AND ENGINE PARTS, BREAKING OR TAMPERING WITH SEALING BOLTS IS CONSIDERED A SERIOUS OFFENSE AND WILL BE TREATED AS SUCH.

1<sup>ST</sup> OFFENSE: LOSS OF POINTS FOR THE YEAR.

2<sup>ND</sup> OFFENSE: BARRED FROM THE TRACK FOR THE REMAINDER OF THE YEAR.

ON EITHER OFFENSE ILLEGAL PARTS WILL BE CONFISCATED BY THE TRACK AND SENT TO GM OR DESTORYED FOR BOTH OFFENSES.

**WEIGHT- ALL CARS MUST WEIGH 3000 WITH DRIVER AFTER THE RACE, NO FUEL ADDED. CARS NOT MAKING WEIGHT WILL BE DISQUALIFIED**

**THE ABOVE SECTION DEALS WITH CRATE ENGINE PARTICIPATES ONLY.**

OFFICIALS INTERPRETATION OF THESE RULES SHALL BE ACCEPTED AS BINDING.

THESE RULES ARE SUBJECT TO CHANGE DURING THE COURSE OF THE SEASON.

YOUR SAFETY IS THE WINCHESTER SPEEDWAY'S TOP PRIORITY.

RULEBOOK DISCLAIMER - THE RULES / OR REGULATIONS SET FORTH HEREIN ARE DESIGNED TO PROVIDE FOR THE ORDERLY CONDUCT OF RACING EVENTS AND TO ESTABLISH MINIMUM ACCEPTABLE REQUIREMENTS FOR SUCH EVENTS. THESE RULES SHALL GOVERN THE CONDITION OF ALL EVENTS, AND BY PARTICIPATING IN THE EVENTS ALL PARTICIPANTS ARE DEEMED TO HAVE COMPLIED WITH THESE RULES. NO EXPRESS OR IMPLIED WARRANTY OR SAFETY SHALL RESULT FROM PUBLICATIONS OF OR COMPLIANCE WITH THESE RULES AND OR REGULATIONS, THAT ARE INTENDED AS A GUIDE FOR THE CONDUCT OF THE SPORT AND ARE IN NO WAY A GUARANTEE AGAINST INJURY OR DEATH TO THE PARTICIPANT, SPECTATOR OR OFFICIALS.

THE RACE DIRECTOR SHALL BE EMPOWERED TO PERMIT DEVIATION FOR ANY OF THE SPECIFICATIONS HEREIN OR IMPOSE ANY FURTHER RESTRICTIONS THAT IN HIS OPINION DO NOT ALTER THE MINIMUM ACCEPTABLE REQUIREMENTS. NO EXPRESS OR IMPLIED WARRANTY OF SAFETY SHALL RESULT FORM SUCH ALTERATIONS OR SPECIFICATIONS. ANY INTERPRETATION OR DEVIATION OF

THESE RULES IS LEFT TO THE DISCRETION OF THE OFFICIALS. THEIR DECISION IS FINAL.

**THE MANAGEMENT OF THE WINCHESTER SPEEDWAYWINCHESTER, VIRGINIA**

FIGURE 1

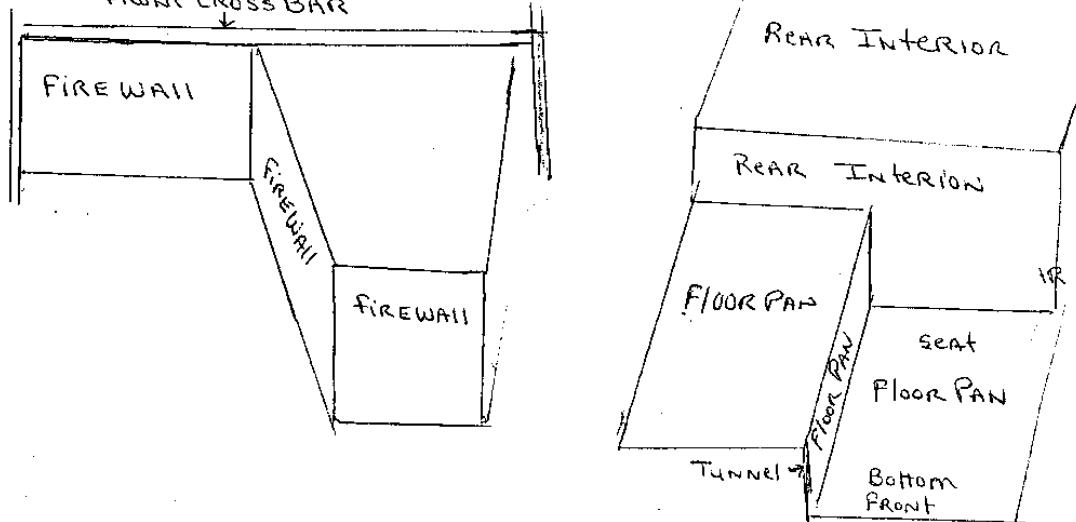
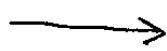


Figure 2

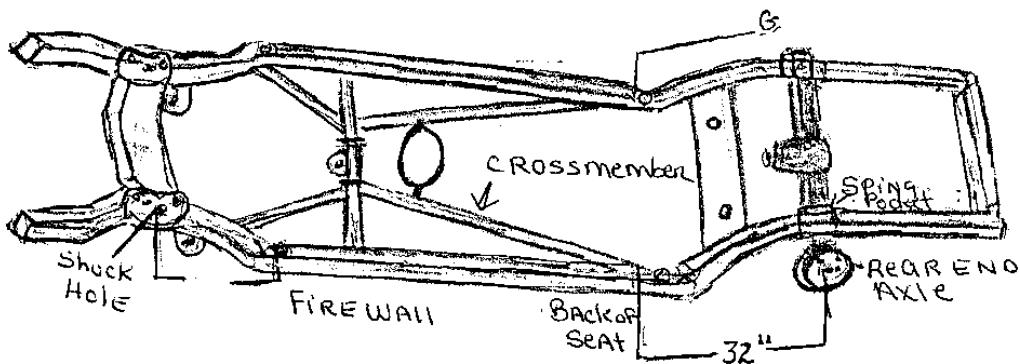
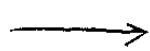


Figure 3

