



RULE BOOK

2009

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SNORE 2009 RULE BOOK

The rules and/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 **SNORE** events, and, by participation in these events, all **SNORE** members are deemed to have complied with these rules. No express or compliance with these rules and/or regulations. They are intended as a guide for the conduct of the sport and are in no way a guarantee against injury or death to participants, spectators, or others.

SNORE rules are the sole property of **SNORE**. Use of these rules by any other organization or individual is forbidden unless prior written consent is given by the **SNORE** Board of Directors and due consideration is received by **SNORE**. **SNORE**, its members, officers, directors, or staff assume no responsibility legal, or otherwise for failure or malfunction of any products of recognized manufacturers listed in this rule book. **SNORE** is not liable for actions or decisions made by individuals, promoters, or organizations, etc. using **SNORE** rules. Effective January 01, 2008 these rules go into effect to govern all **SNORE** events. Specifications and/or regulations contained in this rule book are intended for use as a guide with respect to safety and for that purpose only. **SNORE** will not accept responsibility for consequences resulting from their application.

RULE USAGE

SNORE promotion: Any event fully produced by **SNORE**

SNORE co-promotion: **SNORE** working with another promoter to conduct an event

SNORE sanction: The documentary authority granted by **SNORE** to organize and conduct an event

ORGANIZATION TERMINOLOGY

SNORE: Southern Nevada Off-road Enthusiasts

EVENT: A contest in a program of races

RACE: A contest between one or more vehicles competing against the clock or between two or more vehicles competing directly against each other

CLASS: Vehicles in a category may be grouped in classes. A class may be determined by engine size, seating capacity, or any other method listed in the 2008 **SNORE** rule book. Classes may be combined at the discretion of **SNORE**.

ENTRANT: A driver, rider, co-driver, co-rider whose entry is accepted for a **SNORE** event. Must be a current **SNORE** member.

ENTRY APPLICATION: A form supplied to prospective entrants. It must be completed entirely as printed with no additions or deletions.

DRIVER/RIDER OF RECORD: The person named to be the operator of a vehicle entered in an event. He/she must start or finish the race. If the Driver of Record is signed up and has an armband and his car breaks down before he/she gets in, then they still get the points

CO-DRIVER/CO-RIDER: A person listed on the entry application as a co-driver or co-rider who is eligible to drive/ride a vehicle in competition or may occupy the passenger seat

CONTESTANT: A person named to compete in a race as either a driver/rider or co-driver/co-rider

OFFICIALS

RACE STEWARD: The person voted by the members of **SNORE** to be the senior official responsible for officiating the event

RACE OFFICIAL: An individual designated by the Race Steward to officiate at an event

TECH DIRECTOR: He shall inspect the vehicles before and after the event to make sure they comply with the 2008 rule book

CHECK POINT CAPTAIN: He shall be the official for his immediate area (under the direction of the Race Steward) and shall be responsible for directing the operations of his checkpoint

CHIEF TIMER: The person appointed by the Race Steward to be responsible for timing an event

STARTER/FLAGMAN: Will be responsible for starting an event under the direction of the Race Steward

VEHICLE TERMINOLOGY

VEHICLE: Any of the cars or trucks listed in the **SNORE** rule book

MODELS: A particular body, chassis, or engine that has been produced in quantity

FOUR-WHEELED VEHICLE: A self-propelled land vehicle that has four wheels that contact the racing surface. The wheels must make two tracks. Two wheels steer the vehicle and two must propel the vehicle

FOUR WHEEL DRIVE VEHICLE: Same as above but must be capable of being driven by four wheels

WEIGHT:

Weight shall be considered dry weight for long course and wet weight for short course (dry weight is with all fuel tanks drained.) Tools, spare tires and parts must be removed. But otherwise the vehicle must be race ready. Official weight will be considered weight shown on official scales

EVENT TERMINOLOGY

SUPPLEMENTARY REGULATIONS: Rules that define special or additional rules for a specific event

IMPOUND: A specific place with limited access designated for the containment of all race vehicles before and after an event

CONTINGENCY: A contingency is the commitment made by a contract with a manufacturer, company, or individual and **SNORE** to post or pledge a certain amount of cash or product as an award to contestants for using their product or service and displaying the products decal on the vehicle. Unless otherwise stated the vehicle must finish the race to be eligible for contingency awards

PAYBACK: Only actual finishers qualify for a share of the cash purse

SGR: **SNORE** general rules

SGE: Entrants

SGD: Disqualification

SSL: Long course

SGP: Protests

SDC: Driver, Co-Driver

SGPT: Pits

SGT: Tech

SCR: Competition regulations

GENERAL RULES

SGR1

No entrant, pit crew or sponsor shall have any claim for damages, expenses, lawsuits, or otherwise against promoter, track operator, **SNORE**, its officers, agents or directors arising from damage to any vehicle, personal injury to the driver or monetary loss of any kind whatsoever. Entrants, pit crews, members, and sponsors waive any claim they may have against promoter, track operator, **SNORE** or its officials when they voluntarily participate in any racing activities conducted under these rules.

SGR2

The promoter or track operator may run any type of event approved by **SNORE**

SGR3

The Race Steward shall have the authority to penalize, disqualify and or suspend any entrant for the violation of these rules including but not limited to the special rulings and supplementary regulations described in SGR6 and SGR7

SGR4

Special rulings may be made by **SNORE** to account for conditions presented by the location of the race, the condition of the course or any circumstances requiring such a ruling

SGR5

Special rulings issued by **SNORE** will be considered as official amendments to this list of rules and regulations

SGR6

Supplementary regulations may be issued for each event as necessary to amend, suspend, or modify existing rules and regulations

SGR7

SNORE assumes no responsibility whatsoever for delays, postponements and/or cancellations of all or part of an event because of inclement weather, unsafe course conditions and/or any other reason

SGR8

The Race Steward will have overall responsibility for the conduct of any event conducted under these rules. All official race personnel will be directly responsible to the Race Steward

SGR9

No one falling under the jurisdiction of any race official at any race and/or event shall subject said official(s) to improper language or other demeaning actions

SGR10

SNORE members are not employees of **SNORE** and who assume and take all responsibility for all charges, premiums, and taxes, if any, payable on any funds they may receive as a result of their participation in any event(s) as members of **SNORE**

SGR11

SNORE reserves the right to refuse any entry application

SGR12

The checkpoint captains are the direct representative of the Race Steward at their respective checkpoints. Their area of responsibility includes the course $\frac{1}{2}$ the distance to the checkpoint on either side

SGR13

SNORE uses the frequency of 151.625 as a main race channel. All radio or other transmissions which affect **SNORE** control communications are strictly prohibited except in the case of medical emergencies

SGR14

Checkpoint captains will designate areas leading to and surrounding the checkpoint area. This area is for checkpoint people only. No support teams, pit crews, chase crews will be permitted in this area. Failure to comply with this rule will subject the entry to disqualification

ENTRANTS

SGE1

Any entrant who fails to fully fill out and sign required registration forms and releases shall be disqualified and shall forfeit any prize money, points, and contingencies won in that particular event

SGE2

No entrant or crew member may enter racing areas until they have signed all releases, and entry forms. No person shall sign the release form for anyone other than himself/herself

SGE3

The entry applications of persons under the age of 18 shall have a parent or legal guardian sign the release form also. You must be a minimum of 14 years of age to co-ride. To be eligible to drive you must be 16 years of age with a valid driver's license. Or 15 ½ years of age with a valid learner's permit **but** must have a licensed driver as a co-driver and can only be in a two seated vehicle.

SGE4

Any entrant who competes in a vehicle that he/she is ineligible to drive, and/or any entrant permitting such action shall forfeit any prize money, points, and contingencies won in the particular event

SGE5

Deliberate, abusive nerfing or bumping shall be reason for penalty, disqualification and/or suspension at the discretion of the Race Steward

SGE6

All entrants must attend the drivers meeting. Failure to do so may result in disqualification and/or fine

SGE7

If a Driver/Rider of Record change is made after the event drawing the starting position drawn by that entry will be vacated and remain vacant for the duration of the event. The changed entry will be assigned the next available starting position for that class or no points will be awarded for that event

SGE8

A driver shall not permit any person other than a co-driver in the co-drivers normal riding position to ride on or in any part of his vehicle

SGE9

No entrant, crew member or pit people or anybody other than the Race Stewart or a **SNORE** official shall remove or relocate course markings. This is ground for disqualification

DISQUALIFICATION

SGD1

Drinking of intoxicating beverages in the pits or on the race course or on the surrounding areas by any person is strictly forbidden. Also the use of narcotics (amphetamines or any other stimulants, barbiturates or other depressants) is forbidden. Any entrant or crew member in an event who show any evidence whatsoever of being under the influence of any of the aforementioned shall be disqualified subject to suspension from all future events and must leave the premises immediately at the direction of the Race Steward

SGD2

Any person who makes a false statement on a contingency form shall be disqualified and shall forfeit all prize money, points and all contingencies won in the race

SGD3

Any entry application containing falsified signature shall be disqualified and shall forfeit all prize money, points and contingencies won in that event

SGD4

Any entrant disqualified from any event forfeits all rights to any prize money, points, and contingencies and shall not be entitled to a refund of any portion of his entry fee

LONG COURSE EVENTS

SGL1

The maximum duration of an event will be set by **SNORE**

SGL2

An entrant's official time of an event shall be the total elapsed time from its actual starting time until the vehicle crosses the finish line in the designated time limit

SGL3

The winner of each class shall be the vehicle that finished with the lowest elapsed time and meets all other criteria in this section, providing his time does not exceed the maximum time limit set by **SNORE**

SGL4

All entrants must report all accidents and breakdowns they may have witnessed and tell a **SNORE** official at the next checkpoint the contestant reaches

SGL5

Some visible means of warning must be placed at least 200 feet in front of any accident or breakdown. A reflective triangle is required to be carried on all four wheeled vehicles. No flares are allowed.

SGL6

Passing is not permitted within 300 feet of any flag crossing or checkpoint except at the direction of a **SNORE** official. No passing at any pit areas. Failure to comply with this rule will be automatic disqualification or a time penalty

SGL7

Any entrant who must discontinue the race must report to a checkpoint or Start/Finish that he is out of the race

SGL8

All support aircraft fixed wing or rotary must register with **SNORE** prior to the start of the race. Transmission from any aircraft to any race car is not allowed. No aircraft can be used to drop parts, tools, mechanics, pit support, or create an unfair advantage over non-aircraft support entries. Aircraft shall not be used to transport a Driver or Rider of Record to and from locations on the course. Aircraft cannot be operated in such a fashion as to constitute a nuisance or danger to the race vehicles, officials, or spectators

SGL9

All starting procedures will be announced at the drivers meeting prior to each event

SGL10

Every vehicle must leave the start line at its designated start time, complete all the required laps and cross the finish line in the time limit to qualify as an official finisher and to be eligible for prize money. Every vehicle must stop and pass thru all checkpoints. The failure to stop and pass thru all checkpoints along the course will subject that entry to disqualification at the discretion of the Race Steward

SGL11

All vehicles must enter each checkpoint at a safe speed. Racing unsafely into and/or through any checkpoints by one or more vehicles is prohibited

SGL12

All entries may be checked for their armband at any and all checkpoints. Every entry is responsible for his/her armband. Any entrant found not to have an armband will be disqualified

SGL13

No race vehicle shall be towed, pushed, pulled, or transported by another vehicle further than 1% of the total distance of the race. No vehicle may be pushed, pulled, or towed thru a checkpoint, or within one mile of the finish line. All vehicles must cross the finish line with the engine running and propelling the vehicle. No pushing or pulling will be allowed the last mile.

SGL14

No entrant may run in two or more classes simultaneously with one vehicle even though entries are paid in more than one class. (Short course events excepted)

SGL15

A marked course is that official route designated by and marked with **SNORE** markings. All vehicles must follow this route during the event. No vehicle may deviate from the marked course at any time unless the course is wide enough to pass. Passing is permitted only where there is no vegetation on the side of the course. Short coursing is not allowed and the entrant will be disqualified. Sensitive areas are those which are marked by **SNORE** markings and DQ signs. **SNORE** is not responsible for markings which are damaged or moved. All vehicles must drive only in the correct direction of the course route or trail. No vehicle is allowed to drive backwards on the course. Failure to abide by these rules is grounds for disqualification and/or penalty determined at the discretion of the Race Steward

PROTESTS

SGP1

The Race Steward with or without protest has the right to penalize, fine, disqualify, and/or suspend any vehicle or entrant for violation of any of these rules. Protests may be made by another entrant in the same class as who he is protesting. Such protests must be accompanied by a \$500.00 cash fee for each item protested. In a long course event the protest must be in writing with the fee and delivered to the Race Steward 30 minutes after the race is over. Protests considered by the Race Steward to be unsportsmanlike may not be accepted. The decision of the Race Steward will be final. Interpretation of all rules along with violations and penalties thereof are at the discretion of **SNORE**. Penalties levied at the discretion of **SNORE** are final. The Race Steward at his discretion may use a competition review board (CRB) to decide the protest.

SGP2

Inspection of protested items will be required of any entrant who has an official protest lodged against his race vehicle. Failure to permit to inspection will result in automatic disqualification and/or suspension. Those attending the inspection(s) will be as follows:

- (A) The protestor or his designated representative
- (B) The protested competitor or his designated representative
- (C) The protested competitor's mechanic
- (D) **SNORE** officials
- (E) The **SNORE** Race Steward or Tech Inspector who shall accomplish the required inspection of the vehicle

No other person shall be present nor witness the proceedings until the inspection has been completed. At the discretion of **SNORE** with the approval of the protested competitor members of the press will be allowed to observe for reporting purposes only

DRIVER/CO-DRIVER

SDC1

Classes 1-1600, 9, (single seat) 10, (single seat) 12, (single seat), U-sportsman buggy (single seat), L-sportsman buggy (single seat) may only compete with one driver/rider during competition.

Classes 2-1600, 5-1600, 9 (two seat) 10, (two seat) 12 (two seat), Stock bug, U-sportsman buggy (two seat), L-sportsman buggy (two seat). Must always compete with one driver and co-driver.

Classes 1, Unlimited truck, 3, 4, 5, 7, 7S, 7 4x4, 8 may compete with one or two driver(s)/rider(s) during competition

Champ class, single and two seat, may have one or two driver(s)/rider(s) during competition as long as the car meets the weight limit specified for that class.

Driver/rider and/or co-driver/co-rider changes are permitted in all classes as long as the driver/rider and/or co-driver is a banded driver on that vehicle only.

SDC2

Should a situation arise that an entrant because of severe illness or injury is unable to continue in or on his entry during competition and a driver/rider or co-driver listed on the entry is unavailable, a **SNORE** banded entrant from another entry may continue in or on that entry to the nearest official **SNORE** checkpoint where, before he/she continues must file a driver change form with a checkpoint captain

SDC3

The Race Steward or his designated representatives have the right to change the race vehicle numbers

SDC4

The Driver of Record must sign all releases and pick up his/her arm band. In addition he/she must **start** or **finish** the race. This means taking the green flag or taking the checkered flag. The only exception to the rule is when the driver of record is injured in the race and unable to compete safely and the injury is verified by the **SNORE** medical director and race director only then will he/she receive the points. Failure of the Driver of Record to follow this rule will result in no points given to him/her for the event.

The Driver of Record will get the points even though the vehicle broke down before he/she gets in the car only if he/she is signed up, has signed the release form and has his/her armband.

PITS

SGPT1

No one will be allowed to enter the pit or race area without a valid **SNORE** pit pass

SGPT2

At all times the Driver of Record assumes responsibility for the actions of his pit crew

SGPT3

No person(s) under suspension by the Race Steward will be permitted to participate or be allowed to enter the pits or race area

SGPT4

Any pit vehicle running on or near the race course that is endangering the entrants, race officials, or spectators could call for a disqualification of whom he is pitting for. No pit vehicle may follow or lead a race car on the race course

SGPT5

Any entrant, crew member, or other pit pass holder who takes part in any demonstration in the pits, on the course, or surrounding area before, during or after an event shall be subject to expulsion from the area

SGPT6

Maximum speed limit in the pits is 10 mph. all vehicles except race vehicles.

SGPT7

The pitting zone around each checkpoint shall be determined by the checkpoint captain

SGPT8

All pits must at least 50 feet from the edge of the race course. No pits may be in the first fifty feet leading into and the first hundred feet leading out of a turn

SGPT9

At any time no race car will be allowed to pass in a pit area. The speed limit in the main pit will be determined by the Race Steward. If there is a car that is broke or limping to his pit he must pull as far to the right as possible to let other cars pass. This is the only time where passing within the speed limit is allowed in the pit area. No OHV'S allowed during the event. Race car numbers must be displayed on the rear window of the chase vehicle.

TECH

SGT1

It is the full responsibility of the entrants, drivers, owners, and sponsors to meet all SNORE rules and regulations

SGT2

Each vehicle must pass a safety inspection before it can be allowed to race

SGT3

SNORE reserves the right to subject any vehicle to a mechanical inspection at the discretion of the Race Steward. It shall be the responsibility of the Driver of Record to tear down a vehicle when requested to do so. Failure to comply will result in disqualification of driver, entrant and vehicle and may result in suspension from future events by **SNORE**

SGT4

SNORE reserves the right to limit the number of personnel to any area or garage in which inspections are being made

SGT5

SNORE reserves the right to seal or impound a vehicle

SGT6

SNORE assumes no responsibility for impounded vehicles although reasonable efforts will be made to insure their security

SGT7

No vehicle may be removed from an inspection area after a race without permission from the Race Steward. Failure to comply shall subject that entry to disqualification. Any vehicle not taken directly to the post tech area when requested by the Race Steward shall subject that entry to disqualification

SGT8

The Race Steward may require the owner of a vehicle damaged in a race to submit to a post-incident inspection. If the owner refuses the car may be restricted from all future **SNORE** events

SGT9

Any participant refusing to comply with engine claim rules as stated in the class rules will be disqualified and barred from future **SNORE** events for a period of one year

SGT10

The Race Stewart may impound a vehicle or vehicle parts

COMPETITION REGULATIONS

These regulations apply to all classes unless otherwise noted in supplementary regulations. Unless the class requirement or safety regulations specifically state that a modification or optional equipment is permitted, it will not be allowed. **SNORE's** intent when prescribing specifications for safety equipment for vehicles that will compete under **SNORE** rules is to provide adequate protection to all entrants and spectators. **SNORE** does wish to encourage all entrants to give full attention to safety requirements. When operating a vehicle on the race course, at any time, including warm-ups and testing, entrants must wear an approved helmet, protective clothing, eye protection, and safety equipment. All body components and nets must be properly secured during such operations.

SAFETY EQUIPMENT

SCR1 Helmets

Helmets must be of approved by one of the following; Snell M2000 / SA2000 / M2005 / SA2005 DOT / ECE 22-05 / BSI sticker attached. Straps must have D-ring fasteners only. No snaps or Velcro will be permitted. The interior and exterior areas of the helmet must be free of defects (i.e., the padding must be in good condition and the exterior of the helmet must not be damaged).

SCR2 Protective Clothing

Fire suits are mandatory. They must cover from the neck to the ankles. One piece suits only!!! Also, the suits cannot have any holes at all

SCR3 Eye Protection

Shatter resistant eye protection is required for all occupants competing in a **SNORE** event. Those with a windshield must have eye protection available in the event the windshield is knocked out or broken. It is highly recommended that entrants with removable dentures remove them prior to the race

SCR4 First Aid Kit

A first aid kit must be carried in each vehicle at all times and must contain at least the following items:

- (A) 1 – 4" bandage compress
- (B) 2 – 2" bandage compress
- (C) 1 – triangular bandage
- (D) 8 – 2" x 3 adhesive pads
- (E) 16 – 1" x 3.375 adhesive pads
- (F) 10 – prep pads
- (G) 1 – eye dressing packet
- (H) 10 – ammonia inhalants
- (I) 1 – ace bandage

SCR5 Flares. No flares allowed

All vehicles must carry a reflective triangle.

SCR6 Horns

All vehicles must have a loud sounding horn. No sirens allowed

SCR7 Reflectors

All vehicles must have two 2" dia. reflectors on the rear of the car

SCR8 Fire Extinguisher

Each vehicle must carry a portable UL approved 2.5 pound ABC rated dry chemical type or HALON fire extinguisher with a gauge. It must be fully charged and easily accessible. On board fire suppression systems are highly recommended. They should have three nozzles located in each of the following areas: driver compartment, fuel compartment, engine compartment

SCR9 Survival Supplies

All vehicles must carry at least two days of survival supplies and one quart of water per person in vehicle.

SUSPENSION COMPONENTS

SCR10 Shock Absorbers and Bump Stops

At least one shock per wheel, in working condition. Suspension bump stops must be made of rubber, plastic, urethane

SCR11 Secondary Suspension

Secondary suspension would include leaf springs, torsion bars, coil over shocks, air bags, hoga balls or any other item that changes the wheel rate at any point in its travel other than shocks and the stock suspension system that came with the vehicle. Air shocks will be considered secondary suspension when charged to 200 PSI in its fully extended state and the static shaft pressure exceeds 300 PSI when fully collapsed. Bump stops will be considered secondary suspension when they contact the suspension unit more than 4" before the end of its travel

SCR12 Wheels and Tires

Snap-on hub caps or wheel covers of any type are not allowed on any type of vehicle during competition. Tires will be visually checked for condition and must be considered safe by **SNORE** prior to competing. Maximum tire size is 40" outside diameter. No multiple tires are allowed

SCR 13 Fasteners

All nuts, bolts and component parts on each vehicles suspension system, chassis and running gear must be secured with S.A.E. grade 8 or better nuts, bolts and secured with either lock nuts, lock washers, cotter pins or safety wire and have at least one full thread showing through the nut

STEERING AND BRAKE COMPONENTS

SCR14 Steering

Steering wheel play must be kept to a minimum. Drag link and tie rod ends must be secured and have a cotter pin in each one.

SCR15 Brakes

Brakes must be in a safe working condition and able to apply adequate force to lock up all four tires. Turning or steering brakes are allowed

ELECTRICAL SYSTEM

SCR16 Ignition

Each vehicle must have a positive action on-off switch in good working order. The switch must be located within easy reach of the driver and labeled "Ignition Switch" on – off

SCR17 Battery

Batteries must be securely mounted with metal to metal tie downs. All wet cell batteries must be full enclosed including the sides and bottom. Batteries that are not covered but located in the driver's compartment are not acceptable. Batteries will be considered in the driver's compartment if there is no fire wall between it and the driver

SCR18 Lights

All vehicles must have a minimum of two headlights, two brake lights, and two tail lights. Tail lights must be mounted at least 36" from the ground and be 3" in diameter. All lights must be on and working for the entire race, except headlights for day races. All vehicles must have an amber light facing the rear and hooked up to the ignition switch. This must be a fog type light with a minimum of 25 watts and a maximum of 55 watts.

All vehicles in the Classes 3, 4, 5-1600, 6, 7S, Mini Metal, 9, 13, 15, 1450, 18, and Stock Bug must run a **three inch (3") diameter Blue light** along with the amber light facing the rear of the vehicle.

The **Blue Light** is to identify the slower moving vehicles. This is to assist the faster moving classes to recognize a slower moving vehicle when they are approaching them.

SCR19 Starters

All vehicles must have a starter capable of turning over the engine.

FUEL SYSTEM

SCR20 Fuel

Any of the following commercially available gasoline, LPG, or diesel fuels may be used:

- (A) Service station type pump fuel
- (B) Racing gasoline as manufactured
- (C) Commercial aviation gas
- (D) Natural or propane gas

No alcohol or nitro methane is allowed. Fuel additives may be used

SCR21 Fuel Tanks

Fuel cells are mandatory in all classes. All fuel cells must be securely mounted. Filled from and vented to the outside of the vehicle. No G.I. cans are allowed. Safety fuel cell shall consist of a bladder enclosed in a smooth skinned container. All fittings shall be built into the skin of the cell and bonded as an integral part of the tank. The bladder shall be fully enclosed in a smooth skinned casing. The container shall be made of 20 ga. steel, .060 aluminum or .125 marlex

SCR22 Fuel Lines, Vents and Caps

Fuel filler lines and caps must be mounted in a location where they cannot be knocked open or off during a race. Fuel breather must have a check valve. All fuel fillers must be surrounded at the outer extremity with a splash shield. A body panel is acceptable as a splash shield

ENGINES, TRANSMISSIONS, DRIVELINES

SCR23 Engine and Engine Displacement

Where applicable engines must displace no more than specified. Engine displacement may be checked by **SNORE**

SCR24 Engine Replacement

No vehicle may replace a complete engine during a long course event short course ok.

SCR25 Transmission

Every vehicle must have a reverse gear. Four wheel drive vehicles must be capable of being driven thru front wheels

SCR26 Throttles

Each vehicle must have a foot throttle with two return springs attached to the carburetor throttle arm. A stop or over ride system must be used to keep linkage from passing over center and sticking in an open position

SCR27 Exhaust

Each vehicle regardless of class must have a forestry approved spark arrestor

SCR28 Drive Shafts

All front engine vehicles that have an open driveshaft must have a retainer hoop securely mounted and located within 6" of the front universal joint

SCR29 Flywheel Shields

All front engine vehicles with standard transmissions and solid lifters must have a sea-approved bell housing or cover

SCR30 Fluid Coolers

Oil coolers, transmission coolers and radiators mounted ahead of the driver's compartment must have a shroud behind the cooler to prevent fluid from leaking back to the engine compartment

SCR31 Auxiliary Equipment

A generator, fan, water pump and a complete functional electrical system must be hooked up and working at all times

SCR32 Superchargers and Turbochargers

They are not permitted in any class of competition. Diesel engines in stock classes which utilize stock turbochargers may be approved on an individual bases.

VEHICLE SAFETY EQUIPMENT

SCR33 Roll Cages

All vehicles in competition must be equipped with a roll cage. Minimum design and tubing size based on seamless mild steel for roll cage structures are as follows:

<u>Vehicle weight</u>			
Up to 2000 lbs. 1018/1026 CDS/DOM	1.5" x .095"	CDN/4130/seamless	or ASTM
2001 to 2500 lbs. 1018/1026 CDS/DOM	1.5" x .120"	CDN/4130/seamless	or ASTM
2501 to 3000 lbs. 1018/1026 CDS/DOM	1.75" x .095"	CDN/4130/seamless	or ASTM
3001 to 4000 lbs. 1018/1026 CDS/DOM	1.75" x .120"	CDN/4130/seamless	or ASTM
4000 lbs. and over 1018/1026 CDS/DOM	2.0" x .120"	CDN/4130/seamless	or ASTM

CONSTRUCTION PROCEDURES

Cages must be securely mounted to the body or frame, braced and gusseted at all connections. Body or cab mounted cages must not be attached by direct welding but must be attached by and bolted through the use doubler plates on each side with a min. thickness of .187". Bolts that are used shall be at least .375" dia. SAE Grade 8 or equivalent. Ends must be located to a body or frame supporting maximum impact. Minimum material dimensions apply to the following:

- 1) Rear and front hoop
- 2) Rear and front interconnecting bars
- 3) Rear down braces
- 4) Lateral bracing and diagonals
- 5) Elbow and door bars
- 6) Lower A- and B-pillar tubes

ROLL CAGE DESIGN

All roll cages must be constructed with one front hoop, one rear hoop, two interconnecting top bars, two rear down braces and one diagonal brace and necessary gussets. Single seat open wheel vehicles must have a diagonal brace. Any vehicle that is not provided with stock steel doors for its driver and co-driver must be equipped with side bars at least one on each side.

SCR34 Safety Harness

All vehicles must have heavy duty type five point fast release (no push button) seat belt and shoulder harness with metal to metal buckles and connectors for each occupant. The single anti-submarine strap of the five point system shall be attached to the floor structure as close to the front as practical so that it will exert maximum restraint to the upward movement of the belt and harness. No "Y" type shoulder harnesses are allowed. All belts must show manufacturer's name, month and year of manufacture. All belts must be changed after three years of date. There must be two "D" rings per shoulder harness. All belt hardware must be safety tied.

SCR35 Safety Nets

SNORE approved safety nets are mandatory on all vehicles. The nets must be fastened every six inches by hose clamps, snaps, nylon ties, Velcro, lift a dot, metal hooks or steel rods. Netting must be installed on the inside of the roll cage. The nets must cover the whole side of the driver's compartment. The roof must be covered with sheet metal or aluminum. Must have metal clamps on the top corners.

SCR36 Seating

All seats must be properly reinforced and securely mounted

GENERAL VEHICLE COMPONENTS

SCR37 Driver's compartment

Driver and/or co-driver must be able to enter and exit the driving compartment unassisted with ease, with the vehicle in any position. The driver's compartment must be separated by firewalls or bulkheads from any acids or fuels

SCR38 Doors and Latches

All vehicles with operable doors must have a positive locking mechanism and if the nets are fastened to the door then a secondary latch must be installed.

SCR39 Firewalls

All vehicles in competition must have an all metal firewall to separate the driver's compartment from any danger of fire from the engine and any fuel supplies. A minimum firewall must extend from the drivers shoulder height to the vehicle floor and body sides. If rear mounted fuel cell is higher than shoulder height, the firewall must be extended at least one inch above the fuel cell

SCR40 Ballast

Any material used for the purpose of adding to the vehicle's weight must be properly attached as part of the vehicle's structure

SCR41 Weight

Weight shall be considered dry weight for long course and wet weight for short course (dry weight is with all fuel tanks drained.) Tools, spare tires and parts must be removed. But otherwise the vehicle must be race ready. Official weight will be considered weight shown on official scales

SCR42 Floorboards

Floorboards or belly pans are required on all vehicles and must be held on by a minimum of six bolts per side. It must cover the entire area from front to back and from side to side

SCR43 Bumpers

No hazardous front or rear bumpers, nerf bars, frame heads or other protruding objects from the vehicles are allowed

SCR44 Mirrors

A rear view mirror is required on all vehicles

SCR45 Skid Plates

Skid plates designed to protect the front suspension, steering and brake components are required on all vehicles

SCR46 Storage

All spare parts and extra equipment carried on a vehicle must be securely fastened to prevent movement during a race

SCR47 Fenders

On all vehicles required to have fenders they must be securely attached to the vehicle with quick release or breakaway fasteners. The removal of fenders for any reason other than damage after the race has started will cause the vehicle to be disqualified

SCR48 Chassis and Body

All body parts shall remain on the vehicle (accidental damage excepted) during the entire race. As specified in individual class rules, body/chassis series must be maintained with body/chassis combinations

SCR49 Hoses

All hoses used for fuel and brake lines including metal lines must be clamped.

SCR50 Identification markings

All vehicles must have a number plate visible from each side of the car, one visible from the rear and one on the front. Numbers must be **black on white background** or **white on black background**. Glass is considered colorless unless it is painted white or black. Side numbers must be a **minimum** of 8" high with a 1" stroke. Front numbers must be a **minimum** of 4" high with a ½" stroke. Rear numbers must be a **minimum** of 6" high with a 1" stroke.

SCR51 Advertising on Vehicles

Advertising may be displayed on vehicles provided they are in good taste and do not interfere with numbers

SCR52 Workmanship

All construction, modifications and alterations must be performed in a workmanlike manner contingent upon the approval of **SNORE**

VEHICLE NUMBERING SYSTEM

Unlimited Truck	01 – 99
Class 1	100 – 199
Class 1/2-1600	1600 – 1699
Class 2	200 – 299
Class 3	300 – 399
Class 4	400 – 499
Class 5	500 – 549
Class 5-1600	550 – 599
Class 6	600 – 699
Mini Metal	700 – 733
Class 7	767 – 799
Class 7S	734 – 766
Heavy Metal	850 – 899
Class 8	800 – 849
Class 9	900 – 999
Class 10	1000 – 1099
Stock Bug	1100 – 1199
Class 12	1200 – 1299
Class 13 Sportsman Buggy	1300 – 1399
Class 15 Unlimited Sportsman Buggy	1500 – 1599
Class 1450 Sportsman Truck	1400 – 1499
Class 18	1800 – 1899
TrophyLite	6000 – 6099
Stock Full	8800 - 8899

All vehicles must use two number plates visible from each side of the car, one visible from the rear and one on the front. Numbers must be black on white or white on black. Sides 8", front 4", rear 6".

**UNLIMITED TRUCK
OPEN PRODUCTION – UNLIMITED
UNLIMITED 4 WHEEL VEHICLES
MUST HAVE A PRODUCTION APPEARING UTILITY OR SPORTS UTILITY
BODY**

GENERAL REGULATIONS

Entrants in this class shall comply with all applicable general regulations

COMPETITION REGULATIONS

This is an open class and all components will be considered open unless it says otherwise in these rules

Note: The SCR abbreviations listed under this class refer to cross reference listings in the front of this book. These cross referenced listings are part of the class rules. Where a conflict occurs between the cross referenced listing and a rule contained under this class, the rule contained under this class has precedence

SAFETY EQUIPMENT

SCR1 Helmets
SCR2 Protective Clothing
SCR3 Eye Protection
SCR4 First Aid Kit
SCR5 Flares
SCR6 Horns
SCR7 Reflectors
SCR8 Fire Extinguisher
SCR9 Survival Supplies

SUSPENSION COMPONENTS

SCR10 Shock Absorbers and Bump Stops
SCR11 Secondary Suspension
SCR12 Wheels and Tires
SCR13 Fasteners

STEERING AND BRAKE COMPONENTS

SCR14 Steering
SCR15 Brakes

ELECTRICAL SYSTEM

SCR16 Ignition
SCR17 Batteries

SCR18 Lights
SCR19 Starters

FUEL SYSTEM

SCR20 Fuel
SCR21 Fuel Tanks
Safety fuel cells are required

SCR22 Fuel Lines, Vents, Caps

ENGINE, TRANSMISSION AND DRIVELINE

SCR23 Engine and Engine Displacement
SCR24 Engine Replacement
SCR25 Transmission
SCR26 Throttles
SCR27 Exhaust
SCR28 Drive Shafts
SCR29 Flywheel Shields
SCR30 Fluid Coolers
SCR31 Auxiliary Equipment
SCR32 Superchargers and Turbochargers

VEHICLE SAFETY EQUIPMENT

SCR33 Roll Cages
SCR34 Safety Harness
SCR35 Safety Nets
SCR36 Seating

GENERAL VEHICLE COMPONENTS

SCR37 Drivers Compartment
SCR38 Doors and Latches
SCR39 Firewalls
SCR40 Ballast
SCR41 Weight
SCR42 Floorboards
SCR43 Bumpers
SCR44 Mirrors
SCR45 Skid Plates
SCR46 Storage
SCR47 Fenders
SCR48 Chassis and Body
SCR49 Hoses
SCR50 Identification Markings
SCR51 Advertising on Vehicles
SCR52 Workmanship

CLASS 1
OPEN WHEEL – UNLIMITED
UNLIMITED SINGLE AND TWO SEAT VEHICLES

GENERAL REGULATIONS

Entrants in this class shall comply with all applicable general regulations

COMPETITION REGULATIONS

This is an open class and all components will be considered open unless it says otherwise in these rules

Note: The SCR abbreviations listed under this class refer to cross reference listings in the front of this book. These cross referenced listings are part of the class rules. Where a conflict occurs between the cross referenced listing and a rule contained under this class, the rule contained under this class has precedence

SAFETY EQUIPMENT

SCR1 Helmets
SCR2 Protective Clothing
SCR3 Eye Protection
SCR4 First Aid Kit
SCR5 Flares
SCR6 Horns
SCR7 Reflectors
SCR8 Fire Extinguisher
SCR9 Survival Supplies

SUSPENSION COMPONENTS

SCR10 Shock Absorbers and Bump Stops
SCR11 Secondary Suspension
SCR12 Wheels and Tires
SCR13 Fasteners

STEERING AND BRAKE COMPONENTS

SCR14 Steering
SCR15 Brakes

ELECTRICAL SYSTEM

SCR16 Ignition
SCR17 Batteries
SCR18 Lights
SCR19 Starters

FUEL SYSTEM

SCR20 Fuel
SCR21 Fuel Tanks
Safety fuel cells are required

SCR22 Fuel Lines, Vents, Caps

ENGINE, TRANSMISSION AND DRIVELINE

SCR23 Engine and Engine Displacement
SCR24 Engine Replacement
SCR25 Transmission
SCR26 Throttles
SCR27 Exhaust
SCR28 Drive Shafts
SCR29 Flywheel Shields
SCR30 Fluid Coolers
SCR31 Auxiliary Equipment
SCR32 Superchargers and Turbochargers

VEHICLE SAFETY EQUIPMENT

SCR33 Roll Cages
SCR34 Safety Harness
SCR35 Safety Nets
SCR36 Seating

GENERAL VEHICLE COMPONENTS

SCR37 Drivers Compartment
SCR38 Doors and Latches
SCR39 Firewalls
SCR40 Ballast
SCR41 Weight
SCR42 Floorboards
SCR43 Bumpers
SCR44 Mirrors
SCR45 Skid Plates
SCR46 Storage
SCR47 Fenders
SCR48 Chassis and Body
SCR49 Hoses
SCR50 Identification Markings
SCR51 Advertising on Vehicles
SCR52 Workmanship

CLASS 1/2-1600
OPEN WHEEL – RESTRICTED 1600CC
SINGLE AND TWO SEAT BUGGIES LIMITED TO 1600CC VW ENGINE AND
VW TYPE 1 SUSPENSION SYSTEM

GENERAL REGULATIONS

Entrants in this class shall comply with all applicable general regulations

COMPETITION REGULATIONS

This is an open class and all components will be considered open unless restricted herein

Note: The SCR abbreviations listed under this class refer to cross reference listings in the front of this book. These cross referenced listings are part of the class rules. Where a conflict occurs between the cross referenced listing and a rule contained under this class, the rule contained under this class has precedence

SAFETY EQUIPMENT

SCR1 Helmets
SCR2 Protective Clothing
SCR3 Eye Protection
SCR4 First Aid Kit
SCR5 Flares
SCR6 Horns
SCR7 Reflectors
SCR8 Fire Extinguisher
SCR9 Survival Supplies

SUSPENSION COMPONENTS

FRONT SUSPENSION

Front suspension is based on VW type 1 ball joint or king and link pin style. Any beam of two steel torsion tubes may be used but must retain stock width. Front axle torsion tube centers may be cut, rotated and rewelded to increase ground clearance. Uses of torsion adjusters are optional. Tube center spacing is open. Any manufacturer's torsion bars are allowed. Front trailing arms may be reinforced or replaced as long as stock VW width and length are retained. Suspension limiters are allowed. Spindles, link pins, ball joints, and shock mounting locations are open. Front suspension track width will be measured from wheel mounting face to wheel mounting face. The maximum width is 55.75 inches.

REAR SUSPENSION

Rear suspension is based on VW type 1 IRS or swing axle

Rear trailing arms may be of any manufacturer. Tubular arms are allowed as long as stock VW IRS swing arm length is retained plus or minus 1 inch. The stock VW dimension between the center line of the rear axle to the center line of the rear torsion housing is 16.250" plus or minus 1 inch must be retained. Outboard bus reduction gears are allowed. Any axle assemblies are allowed as long as original VW type suspension is retained. This includes the use of "micro stub hubs" Rear torsion tubes may be supported or replaced but must remain steel and retain stock VW width. Torsion adjusters are allowed. A single torsion per wheel of any manufacturer is allowed. Torsion bars must remain inside the torsion housing. Torsion bars must be connected to the trailing arm with steel spring plates of any manufacturer. Rear suspension track width must not exceed a maximum of 58.25" as measured from wheel mounting face to wheel mounting face. Cv joint mounting face to Cv joint mounting face must not exceed 47.375" inches as measured at ride height. The entire outer Cv must remain inboard of the trailing arm inner bearing.

SCR10 Shock Absorbers and Bump Stops

No limit on the number of shocks and the sizes of shocks, cooling fins allowed. No air or coilover shocks allowed

SCR11 Secondary Suspension

No secondary suspension allowed

SCR12 Wheels and Tires

Any tire and wheel are allowed that will mount directly on VW drums. No wheel adapters allowed

SCR13 Fasteners

STEERING AND BRAKE COMPONENTS

SCR14 Steering

Steering system open. Any tie rod and tie rod end allowed

SCR15 Brakes

Any type of brake may be used as long as all other rules are adhered to.

ELECTRICAL SYSTEM

SCR16 Ignition

Battery ignition only, no magnetos. Six or twelve volt systems may be used. Any distributor may be used. Any VW type alternator or generator in the stock location may be used

SCR17 Batteries

SCR18 Lights

SCR19 Starters

FUEL SYSTEM

SCR20 Fuel

SCR21 Fuel Tanks

Safety fuel cells are required

SCR22 Fuel Lines, Vents, Caps

ENGINE, TRANSMISSION AND DRIVELINE

SCR23 Engine and Engine Displacement

Engine must utilize VW series type 1, 1600cc, U.S. model sedan components and dimensions. The maximum allowable engine displacement is 1600cc as delivered from the factory

ENGINE CASE

Any VW type 1, 2, 3 or "universal" case is allowed. The following modifications may be made to the stock case:

- (A) The case may be line bored
- (B) The case may be drilled and tapped for oil and temp sending units
- (C) The case may be machined for crank pulley seal
- (D) Case savers may be installed
- (E) Cylinder seating surface may be machined
- (F) Oil galleries may be enlarged to 10mm
- (G) Threaded oil gallery plugs allowed

OIL PUMP

Any oil pump is allowed. No deep sumps, dry sumps, or sump alterations. Windage trays allowed. Any oil bypass piston and spring allowed

FUEL PUMP

Any combination of stock fuel pump or electric pump may be used. Any fuel filter and pressure regulator may be used

PISTONS

Pistons must be stock 3 ring only. Any piston and cyl as long as original stock dimensions are maintained. Any type wrist pin keepers. Piston assemblies may be balanced to the weight in grams of the lightest original non balanced piston.

CONNECTING RODS

Balanced weight of the connecting rods in grams there will be of the four (4) rods one (1) untouched big end and one (1) untouched small end. There is no polishing or lightening of the rods.

CRANKSHAFT

Crankshaft must be stock VW. Crankshaft may be balanced. Maximum journal size is limited to .030" undersize. No polishing or lightening. Any gear is allowed. Any engine bearing is allowed as long as stock dimensions are maintained. Pulley may be balanced. Sand seals ok. Any VW flywheel may be lightened and

balanced. No aluminum flywheel. Any clutch disk and pressure plate but must retain stock VW diameter. Connecting rods may be balanced to the lightest non balanced rod. No polishing or profiling of rods

HEADS

Heads must be U.S sedan stock single port or dual port or their equivalent. Only dual port heads with the following numbers will be allowed. 040101375 2, 040101375 13, 040101375 19 or stock OEM heads will be allowed. Heads may be fly cut for clean up. No porting or polishing. Stock intake 34mm original equipment center section or its replacement. A 1" by 1.5" long by ½ inch tube may be welded 2 inches below the carb flange. A minimum of material may be removed from the end of the tube for clearance. A 1 5/8 X 2" long slip tube may be welded to the end of the runners for use of better hose connection. End castings must be original equipment VW, with the VW logo and part numbers. Balance slot may be welded closed. Vacuum hole may be plugged. A 34mm to 30mm carb adapter must be used.

CAMSHAFT, LIFTERS, VALVES, ROCKER ARMS

Any camshaft, gear, valve springs, valve spring retainers, lifters are allowed. Valve spring seat diameter in head must remain stock. Valves must be stock 45 degrees. One piece valve ok. Valve guide may be steel, bronze, or cast iron. No grinding or polishing in the port including valve guide. Must use stock 1600 rocker arms. The rocker arms may be resurfaced to permit the use of swivel feet. No other grinding or changes may be made to the rocker arms. No roller or needle bearings will be allowed as part of the camshaft or as an interface between the rocker arms and the camshaft. Any push rods and push rod tubes. Any valve adj screws. Valve covers may be of any manufacture

FAN SHROUD

After market fan shrouds are allowed

CARBURETOR

Stock VW carb 30 pict 1, 2, 3 or the solex h-30-pic replacement must be used. Maximum venturi size is 24.10mm. Velocity stacks may be used as long as they are not bonded to the carburetor. No internal modifications are allowed. This includes no removing of parts, no grinding, polishing, or filing. Intake manifolds must be stock. No chemical milling of manifold or carburetor. Choke housing may be removed. The stock float bowl vent may be plugged and relocated. Any air and main jet may be used

RESTRICTOR PLATES

Single seat restrictor plates are 21.0mm

Two seat restrictor plates are 24.0mm

SCR24 Engine Replacement

SCR25 Transmission

Must be stock VW type 1 or 2 transaxle housing with internal modifications only. No more than four forward speeds are allowed. Any internal modifications

allowed. Any gear ratio combinations allowed but only VW type gears (helical cut gears) may be used. After market side cover okay

SCR26 Throttles
SCR27 Exhaust

SCR30 Fluid Coolers

Any oil cooler allowed with the location optional. Full flow systems are allowed. No deep sumps or dry sumps will be allowed

SCR31 Auxiliary Equipment
SCR32 Superchargers and Turbochargers

VEHICLE SAFETY EQUIPMENT

SCR33 Roll Cages
SCR34 Safety Harness
SCR35 Safety Nets
SCR36 Seating

GENERAL VEHICLE COMPONENTS

SCR37 Drivers Compartment

Roof must have a positive latch no Velcro. And roof must be properly attached at all times during the event.

SCR38 Doors and Latches

SCR39 Firewalls

SCR40 Ballast

SCR41 Weight

Single seat = 1550 lbs

Double seat = 1550 lbs

SCR42 Floorboards

SCR43 Bumpers

SCR44 Mirrors

SCR45 Skid Plates

SCR46 Storage

SCR48 Chassis and Body

Wheel base is open

SCR49 Hoses

SCR50 Identification Markings

SCR51 Advertising on Vehicles

SCR52 Workmanship

**CLASS 2 / NOSTALGIA
OPEN WHEEL – UNLIMITED
VEHICLE MUST HAVE BEEN BUILT BEFORE 1992
UNLIMITED SINGLE AND TWO SEAT VEHICLES**

GENERAL REGULATIONS

Entrants in this class shall comply with all applicable general regulations

COMPETITION REGULATIONS

This is an open class and all components will be considered open unless it says otherwise in these rules. Vehicle must have documented proof that it was built before 1992

Note: The SCR abbreviations listed under this class refer to cross reference listings in the front of this book. These cross referenced listings are part of the class rules. Where a conflict occurs between the cross referenced listing and a rule contained under this class, the rule contained under this class has precedence

SAFETY EQUIPMENT

SCR1 Helmets
SCR2 Protective Clothing
SCR3 Eye Protection
SCR4 First Aid Kit
SCR5 Flares
SCR6 Horns
SCR7 Reflectors
SCR8 Fire Extinguisher
SCR9 Survival Supplies

SUSPENSION COMPONENTS

SCR10 Shock Absorbers and Bump Stops
SCR11 Secondary Suspension
SCR12 Wheels and Tires
SCR13 Fasteners

STEERING AND BRAKE COMPONENTS

SCR14 Steering
SCR15 Brakes

ELECTRICAL SYSTEM

SCR16 Ignition
SCR17 Batteries

SCR18 Lights
SCR19 Starters

FUEL SYSTEM

SCR20 Fuel
SCR21 Fuel Tanks
Safety fuel cells are required

SCR22 Fuel Lines, Vents, Caps

ENGINE, TRANSMISSION AND DRIVELINE

SCR23 Engine and Engine Displacement
SCR24 Engine Replacement
SCR25 Transmission
SCR26 Throttles
SCR27 Exhaust
SCR28 Drive Shafts
SCR29 Flywheel Shields
SCR30 Fluid Coolers
SCR31 Auxiliary Equipment
SCR32 Superchargers and Turbochargers

VEHICLE SAFETY EQUIPMENT

SCR33 Roll Cages
SCR34 Safety Harness
SCR35 Safety Nets
SCR36 Seating

GENERAL VEHICLE COMPONENTS

SCR37 Drivers Compartment
SCR38 Doors and Latches
SCR39 Firewalls
SCR40 Ballast
SCR41 Weight
SCR42 Floorboards
SCR43 Bumpers
SCR44 Mirrors
SCR45 Skid Plates
SCR46 Storage
SCR47 Fenders
SCR48 Chassis and Body
SCR49 Hoses
SCR50 Identification Markings
SCR51 Advertising on Vehicles
SCR52 Workmanship

CLASS 3
OPEN PRODUCTION – SHORT WHEEL BASE 4X4
VEHICLES FROM A FOUR WHEEL DRIVE UTILITY TYPE VEHICLE.
VEHICLE MUST HAVE BEEN SERIES PRODUCED IN QUANTITIES OF AT
LEAST 5,000 UNITS WITHIN A 12 MONTH PERIOD AND BE READILY
AVAILABLE TO THE GENERAL PUBLIC IN THE USA. MUST BE A FOUR
WHEEL DRIVE CAPABLE OF BEING DRIVEN THROUGH ALL FOUR
WHEELS
NO PICKUP TRUCKS ALLOWED IN THIS CLASS

GENERAL REGULATIONS

Entrants in this class shall comply with all applicable general regulations

COMPETITION REGULATIONS

Manufacturer's body, engine, and chassis combinations must be retained. This class is an open production class and all components will be considered open unless restricted herein

Note: The SCR abbreviations listed under this class refer to cross reference listings in the front of this book. These cross referenced listings are part of the class rules. Where a conflict occurs between the cross referenced listing and a rule contained under this class, the rule contained under this class has precedence

SAFETY EQUIPMENT

SCR1 Helmets
SCR2 Protective Clothing
SCR3 Eye Protection
SCR4 First Aid Kit
SCR5 Flares
SCR6 Horns
SCR7 Reflectors
SCR8 Fire Extinguisher
SCR9 Survival Supplies

SUSPENSION COMPONENTS

Spindles may be reinforced or replaced but must retain the original stock concept. Front and rear suspension must be of the same basic design and concept as originally produced and installed on the chassis to which it is mounted. This is determined by manufacturer of the chassis and the year it was manufactured. Suspension parts may be strengthened, reinforced, or replaced. Suspension must retain the original design and concept (A-arm, struts, I-beam, etc.) and all primary spring systems must retain the original concept (leaf, torsion bar, coil, etc.) that was delivered on the year chassis that is in use. Items with no restrictions are:

- (A) Pivot points
- (B) Spring rates and capacities
- (C) Ball joints
- (D) Mountings
- (E) Travel limit
- (F) Track width but tires must retract inside fender wells

Primary coil springs are limited to one coil per wheel and must be mounted according to stock concept. Stock production wheel base must be retained plus or minus 2" as long as it does not exceed 108"

SCR10 Shock Absorbers and Bump Stops

Number of shocks and mounting methods are open. Mounting points may be redesigned, strengthened, and modified. Remote mounted shocks are allowed. Shocks may not protrude thru hood.

SCR11 Secondary Suspension

Secondary suspension allowed but with the secondary system disconnected. The primary system must be capable of maintaining ride height plus or minus 1.5"

SCR12 Wheels and Tires

SCR13 Fasteners

STEERING AND BRAKE COMPONENTS

SCR14 Steering

SCR15 Brakes

ELECTRICAL SYSTEM

SCR16 Ignition

SCR17 Batteries

SCR18 Lights

SCR19 Starters

FUEL SYSTEM

SCR20 Fuel

SCR21 Fuel Tanks

Safety fuel cells are required

SCR22 Fuel Lines, Vents, Caps

ENGINE, TRANSMISSION AND DRIVELINE

SCR23 Engine and Engine Displacement

Engine must be of the same manufacturer basic design and type and have the same number of cylinders as the one installed by the factory. Any displacement engine may be used as long as the original block casting remains the same. Block must be made of the same type material as that of the block installed by the factory for the particular chassis and body series. Engines must be readily available to the general public in the USA. Engine must not have more than two valves per cylinder. Any make of automotive carburetor(s) may be used maintaining a combined total of one venturi per cylinder. Stock factory fuel injection may be used. Items with no restrictions include:

- (A) Strengthening and balancing
- (B) Valve train and camshaft
- (C) Bore and stroke
- (D) Pistons
- (E) Blueprinting
- (F) Oil and water cooling systems
- (G) Air cleaners
- (H) Fuel pumps
- (I) Exhaust system

Water and vapor injection not allowed unless originally equipped. Engine must be located in the stock mounting location as delivered from the factory plus or minus 1". This will be measured from the center line of the front spindle to the back of the block

SCR24 Engine Replacement

SCR25 Transmission

Transmission is open. Rear differential is open but must remain stock concept. Gear ratios, carriers, axles and floating hubs are optional. Front differential must be a production automotive type but axle tubes may be replaced

SCR26 Throttles

SCR27 Exhaust

SCR28 Drive Shafts

SCR29 Flywheel Shields

SCR30 Fluid Coolers

SCR31 Auxiliary Equipment

SCR32 Superchargers and Turbochargers

VEHICLE SAFETY EQUIPMENT

SCR33 Roll Cages

SCR34 Safety Harness

SCR35 Safety Nets

SCR36 Seating

Any seat may be used but must remain in the approximate stock location

GENERAL VEHICLE COMPONENTS

SCR37 Drivers Compartment

The dash is optional. Upholstered panels, head liners, and carpets may be removed

SCR38 Doors and Latches

SCR39 Firewalls

SCR40 Ballast

SCR41 Weight

SCR42 Floorboards

SCR43 Bumpers

SCR44 Mirrors

SCR45 Skid Plates

SCR46 Storage

SCR47 Fenders

Wheel openings in fender may be enlarged and flared for tire clearance but stock profile must be retained. Front fender inner panels may be removed. Attachment of fenders, inner panels, and radiator to a front hoop is acceptable provided stock external appearance is retained. Body and fender material may not be substituted with the exception of hoods, trunk lids, fenders and/or bed sides and doors

SCR48 Chassis and Body

Frames may be strengthened by adding material but must retain stock configuration, size, and shape. No removal of materials allowed

104" AND SHORTER WHEEL BASE SIX CYLINDER OR LESS POWERED CHASSIS

Original wheel base plus or minus 2" must be retained not to exceed 104". Frame section must remain stock height and width throughout its entire length. Material may be added or removed for allowable modifications but must be kept to a minimum. The front end of the frame rail may be notched 8" from the front for ground clearance as long as top of frame rail is not modified

BODY (ALL CHASSIS)

Body must maintain original shape, size, configuration and appearance. Additional mounts or parts for body strengthening may be added. Mounting location (vertical, horizontal, lateral) in relationship to the frame must remain stock. The measurement from the center line of the front spindle to the back of the b-pillar post must remain stock plus or minus 1". Hoods, trunk lids, fenders and/or bed sides and doors are required to be in the stock location but may be of any material. Dropped hoods are allowed but stock profile must be maintained. Stock grill assemblies are required. All external sheet metal must remain stock. No internal sheet metal is required. Safety glass windshield, sides, and rear are optional. Hardtops with tops removed are not permitted

SCR49 Hoses

SCR50 Identification Markings

SCR51 Advertising on Vehicles

SCR52 Workmanship

CLASS 4
OPEN PRODUCTION – LONG WHEEL BASE 4X4
VEHICLES BUILT FROM A FULL SIZED FOUR WHEEL DRIVE UTILITY TYPE
VEHICLE. VEHICLE MUST HAVE BEEN PRODUCED IN QUANTITIES OF AT
LEAST 5,000 UNITS WITHIN A 12 MONTH PERIOD AND BE READILY
AVAILABLE TO THE GENERAL PUBLIC IN THE USA. MUST BE A FOUR
WHEEL DRIVE CAPABLE OF BEING DRIVEN THROUGH ALL FOUR
WHEELS

GENERAL REGULATIONS

Entrants in this class shall comply with all applicable general regulations

COMPETITION REGULATIONS

Manufacturer's body, engine, and chassis combinations must be retained. This class is an open production class and all components will be considered open unless restricted herein

Note: The SCR abbreviations listed under this class refer to cross reference listings in the front of this book. These cross referenced listings are part of the class rules. Where a conflict occurs between the cross referenced listing and a rule contained under this class, the rule contained under this class has precedence

SAFETY EQUIPMENT

SCR1 Helmets
SCR2 Protective Clothing
SCR3 Eye Protection
SCR4 First Aid Kit
SCR5 Flares
SCR6 Horns
SCR7 Reflectors
SCR8 Fire Extinguisher
SCR9 Survival Supplies

SUSPENSION COMPONENTS

Spindles may be reinforced or replaced but must retain the original stock concept. Front and rear suspension must be of the same basic design and concept as originally produced and installed on the chassis to which it is mounted. This is determined by manufacturer of the chassis and the year it was manufactured. Suspension parts may be strengthened, reinforced, or replaced. Suspension must retain the original design and concept (A-arm, struts, I-beam, etc.) and all primary spring systems must retain the original concept (leaf, torsion bar, coil, etc.) that was delivered on the year chassis that is in use. Items with no restrictions are:

- (A) Pivot points
- (B) Spring rates and capacities
- (C) Ball joints
- (D) Mountings
- (E) Travel limit
- (F) Track width but tires must retract inside fender wells

Primary coil springs are limited to one coil per wheel and must be mounted according to stock concept.

SCR10 Shock Absorbers and Bump Stops

Number of shocks and mounting methods are open. Mounting points may be redesigned, strengthened, and modified. Remote mounted shocks are allowed. Shocks may not protrude thru hood.

SCR11 Secondary Suspension

Secondary suspension allowed but with the secondary system disconnected. The primary system must be capable of maintaining ride height plus or minus 1.5"

SCR12 Wheels and Tires

SCR13 Fasteners

STEERING AND BRAKE COMPONENTS

SCR14 Steering

SCR15 Brakes

ELECTRICAL SYSTEM

SCR16 Ignition

SCR17 Batteries

SCR18 Lights

SCR19 Starters

FUEL SYSTEM

SCR20 Fuel

SCR21 Fuel Tanks

Safety fuel cells are required

SCR22 Fuel Lines, Vents, Caps

ENGINE, TRANSMISSION AND DRIVELINE

SCR23 Engine and Engine Displacement

Engine must be of the same manufacturer basic design and type and have the same number of cylinders as the one installed by the factory. Any displacement engine may be used as long as the original block casting remains the same. Block must be made of the same type material as that of the block installed by the factory for the particular chassis and body series. Engines must be readily available to the general public in the USA. Engine must not have more than two valves per cylinder. Any make of automotive carburetor(s) may be used but is restricted to one four barrel. Stock factory fuel injection may be used. Items with no restrictions include:

- (A) Strengthening and balancing
- (B) Valve train and camshaft
- (C) Bore and stroke
- (D) Pistons
- (E) Blueprinting
- (F) Oil and water cooling systems
- (G) Air cleaners
- (H) Fuel pumps
- (I) Exhaust system

Water and vapor injection not allowed unless originally equipped. Engine must be located in the stock mounting location as delivered from the factory plus or minus 1". This will be measured from the center line of the front spindle to the back of the block

SCR24 Engine Replacement

SCR25 Transmission

Transmission is open. Rear differential is open but must remain stock concept. Gear ratios, carriers, axles and floating hubs are optional. Front differential must be a production automotive type but axle tubes may be replaced

SCR26 Throttles

SCR27 Exhaust

SCR28 Drive Shafts

SCR29 Flywheel Shields

SCR30 Fluid Coolers

SCR31 Auxiliary Equipment

SCR32 Superchargers and Turbochargers

VEHICLE SAFETY EQUIPMENT

SCR33 Roll Cages

SCR34 Safety Harness

SCR35 Safety Nets

SCR36 Seating

Any seat may be used but must remain in the approximate stock location

GENERAL VEHICLE COMPONENTS

SCR37 Drivers Compartment

The dash is optional. Upholstered panels, head liners, and carpets may be removed

SCR38 Doors and Latches

SCR39 Firewalls

SCR40 Ballast

SCR41 Weight

Vehicle must weigh a minimum of 4200 lbs dry

SCR42 Floorboards

SCR43 Bumpers

SCR44 Mirrors

SCR45 Skid Plates

SCR46 Storage

SCR47 Fenders

Wheel openings in fender may be enlarged and flared for tire clearance but stock profile must be retained. Front fender inner panels may be removed. Attachment of fenders, inner panels, and radiator to a front hoop is acceptable provided stock external appearance is retained. Body and fender material may not be substituted with the exception of hoods, trunk lids, fenders and/or bed sides and doors

SCR48 Chassis and Body

Frames may be strengthened by adding material but must retain stock configuration, size, and shape. No removal of materials allowed. Original wheel base plus or minus 2" must be retained. The front end of the frame rail may be notched 8" from the front for ground clearance as long as top of frame rail is not modified. Vehicles that were equipped from the factory with straight axle front suspension will be allowed to rake the front of the frame in order to increase front wheel travel. This modification must be done using as much of the stock chassis as possible. Modifications must be done forward of the front firewall. The intent of this rule is to allow the Dodge D-150, Jeep J-10, and Jeep J-20 to be competitive with the A-arm and I-beam suspensions. This modification in no way affects any other rules that these vehicles are restricted to such as engine location, cab location, ect

BODY

Body must maintain original shape, size, configuration and appearance. Additional mounts or parts for body strengthening may be added. Mounting location (vertical, horizontal, lateral) in relationship to the frame must remain stock. The measurement from the center line of the front spindle to the back of the b-pillar post must remain stock plus or minus 1". Hoods, trunk lids, fenders and/or bed sides and doors are required to be in the stock location but may be of any material. Dropped hoods are allowed but stock profile must be maintained. Stock grill assemblies are required. All external sheet metal must remain stock. No internal sheet metal is required. Safety glass windshield, sides, and rear are optional. Hardtops with tops removed are not permitted. Pickup bed must retain stock dimensions but mounting location is optional. Pickup bed floor may be removed. Tail gate and pickup bed front panels are optional

SCR49 Hoses

SCR50 Identification Markings

SCR51 Advertising on Vehicles

SCR52 Workmanship

CLASS 5
OPEN WHEEL – UNLIMITED BAJA BUG
VEHICLES MUST BE A VW SEDAN TYPE 1 HARDTOP OR CONVERTIBLE
AS DELIVERED FROM THE FACTORY. 181 SAFARI'S, 900 SERIES
PORSCHEs AND KARMANN GHIAs ARE INCLUDED IN THIS CLASS

GENERAL REGULATIONS

Entrants in this class shall comply with all applicable general regulations

COMPETITION REGULATIONS

This class is an open class and all components will be considered open unless restricted herein. Vehicles must have the external appearance of a “Baja Bug”

Note: The SCR abbreviations listed under this class refer to cross reference listings in the front of this book. These cross referenced listings are part of the class rules. Where a conflict occurs between the cross referenced listing and a rule contained under this class, the rule contained under this class has precedence

SAFETY EQUIPMENT

SCR1 Helmets
SCR2 Protective Clothing
SCR3 Eye Protection
SCR4 First Aid Kit
SCR5 Flares
SCR6 Horns
SCR7 Reflectors
SCR8 Fire Extinguisher
SCR9 Survival Supplies

SUSPENSION COMPONENTS

Front and rear suspension systems may be modified or replaced as long as stock concept (trailing arms, swing axles, IRS, etc) is retained and wheel base limit is not exceeded. Stock concept suspension may be substituted for an open trailing arm type suspension but wheel base limit may not be exceeded. Torsion bars and/or leaf springs are optional.

SCR10 Shock Absorbers and Bump Stops
SCR11 Secondary Suspension
SCR12 Wheels and Tires
SCR13 Fasteners

STEERING AND BRAKE COMPONENTS

SCR14 Steering

No center steering wheel is allowed

SCR15 Brakes

ELECTRICAL SYSTEM

SCR16 Ignition

SCR17 Batteries

SCR18 Lights

SCR19 Starters

FUEL SYSTEM

SCR20 Fuel

SCR21 Fuel Tanks

Safety fuel cells are required

SCR22 Fuel Lines, Vents, Caps

ENGINE, TRANSMISSION AND DRIVELINE

SCR23 Engine and Engine Displacement

Any manufacturer air cooled, 4 cylinder, single cam, push rod, VW concept engine is allowed. VW 4 cylinder water cooled engines may also be used. Displacement is open.

SCR24 Engine Replacement

SCR25 Transmission

SCR26 Throttles

SCR27 Exhaust

SCR28 Drive Shafts

SCR29 Flywheel Shields

SCR30 Fluid Coolers

SCR31 Auxiliary Equipment

SCR32 Superchargers and Turbochargers

VEHICLE SAFETY EQUIPMENT

SCR33 Roll Cages

SCR34 Safety Harness

SCR35 Safety Nets

SCR36 Seating

One or two seats may be used. No center seating is allowed

GENERAL VEHICLE COMPONENTS

SCR37 Drivers Compartment

Sheet metal front and rear firewalls are required and may be attached to the roll cage. Interior sheet metal may be removed only if stock appearance is retained from the outside and firewall ruling is complied with. Rear seat, upholstered panels, headliners, and carpets may be removed. Pedals may be of any manufacture and location is optional on left side of car

SCR38 Doors and Latches

Doors must remain in original stock location and maintain stock shape and size. Doors may be welded or fastened shut

SCR39 Firewalls

SCR40 Ballast

SCR41 Weight

SCR42 Floorboards

SCR43 Bumpers

SCR44 Mirrors

SCR45 Skid Plates

SCR46 Storage

SCR47 Fenders

Full coverage fenders must be used. Fender mounting location must remain stock. Fenders may be one piece fiberglass. Rear fenders when measured at top center must not measure less than 6" from body. Mounting height is optional. Rear fenders may be made of metal or fiberglass but must have rolled edges. Fenders must resemble a VW Baja Bug rear fender

SCR48 Chassis and Body

Single piece front ends allowed. Any body made of metal or fiberglass may be used as long as Baja bug appearance is maintained.

If convertible body is used, Windshield framework must be retained and rear crossover piece forward of engine cover may be removed. Windshield and window glass is optional but must be shatterproof if retained. Wheel base may be altered to a maximum of 105" as measured from wheel center line to center line front to rear on both sides not to exceed a total of 211" combined. This will be taken at ride height

SCR49 Hoses

SCR50 Identification Markings

SCR51 Advertising on Vehicles

SCR52 Workmanship

CLASS 5-1600
OPEN WHEEL – 1600 BAJA BUG
VEHICLES MUST BE A VW SEDAN TYPE 1 HARDTOP OR SUNROOF AS
DELIVERED FROM THE FACTORY. VEHICLE MUST HAVE THE EXTERNAL
APPEARANCE OF A “BAJA BUG”. NO CONVERTIBLES, KARMAN GHIAS,
181 SAFARI’S, VARIANTS OR SUPER BEETLES

GENERAL REGULATIONS

Entrants in this class shall comply with all applicable general regulations

COMPETITION REGULATIONS

This class is a stock production class and all components must remain stock except for those modifications allowed herein

Note: The SCR abbreviations listed under this class refer to cross reference listings in the front of this book. These cross referenced listings are part of the class rules. Where a conflict occurs between the cross referenced listing and a rule contained under this class, the rule contained under this class has precedence

SAFETY EQUIPMENT

SCR1 Helmets
SCR2 Protective Clothing
SCR3 Eye Protection
SCR4 First Aid Kit
SCR5 Flares
SCR6 Horns
SCR7 Reflectors
SCR8 Fire Extinguisher
SCR9 Survival Supplies

SUSPENSION COMPONENTS

Front and rear suspension components are limited to stock VW production type 1 parts unless otherwise stated within

FRONT SUSPENSION

Front suspension may use either VW type 1 ball joint or king and link pin only. Front axle torsion tube centers may be cut, rotated, rewelded or torsion adjusters added. Any manufacturer's torsion bars are allowed. Any beam of two steel torsion tubes may be used but must retain stock width. Front torsion tubes may be additionally supported by attachment to floor pan and/or roll cage. Original seams may be reinforced. Front trailing arms may be reinforced or replaced as long as stock VW width and length are retained. Spindles, link pins, ball joints, and upper shock mounting locations are open. Lower shock mount may be moved or replaced as long as it stays on the lower trailing arm. Sway bars may be removed. Front suspension track width must not exceed stock VW track width.

REAR SUSPENSION

Rear suspension is based on VW type 1 IRS or swing axle. Rear torsion tubes may be additionally supported by attachment to the floor pan and/or roll cage. No material may be removed from trailing arm except stock shock mount. Rear shock tower may be removed to body mounting bolt hole only. IRS swing arms may be reinforced for strengthening purposes as long as stock VW IRS swing arm length is retained. Stock VW dimension between the center line of the rear axle to the center line of the rear torsion housing is 16.250" plus or minus 1/4". Torsion adjusters are allowed. Original wheel base must be retained. Torsion bars must be connected to the trailing arm with steel spring plates of any manufacture. Rear suspension track width must not exceed a maximum of 51" as measured from backing plate flange to backing plate flange.

SCR10 Shock Absorbers and Bump Stops

Any manufacturer's shocks and sizes are allowed. Cooling fins and/or reservoirs allowed. One shock per wheel in the front. Two shocks per wheel in any location in the rear. No air or coilover shocks allowed.

SCR11 Secondary Suspension

No secondary suspension allowed

SCR12 Wheels and Tires

Any tire and wheel are allowed that will mount directly on VW drums. No wheel adapters allowed. Spare tire may be relocated anywhere inside body

SCR13 Fasteners

STEERING AND BRAKE COMPONENTS

SCR14 Steering

Steering box may be of any origin. Any steering wheel in the stock location. Any tie rod and tie rod ends allowed. Power steering ok.

SCR15 Brakes

Disk brakes ok.

ELECTRICAL SYSTEM

SCR16 Ignition

Battery ignition only, no magnetos. Six or twelve volt systems may be used. Any distributor may be used. Any VW type alternator or generator in the stock location may be used

SCR17 Batteries

SCR18 Lights

SCR19 Starters

FUEL SYSTEM

SCR20 Fuel

SCR21 Fuel Tanks

Safety fuel cells are required. Fuel cell may be relocated from stock location. Any size fuel cell is allowed

SCR22 Fuel Lines, Vents, Caps

ENGINE, TRANSMISSION AND DRIVELINE

SCR23 Engine and Engine Displacement

Engine must utilize VW series type 1, 1600cc, U.S. model sedan components and dimensions. The maximum allowable engine displacement is 1600cc as delivered from the factory

ENGINE CASE

Any VW type 1, 2, 3 or "universal" case is allowed. The following modifications may be made to the stock case:

- (A) The case may be line bored
- (B) The case may be drilled and tapped for oil and temp sending units
- (C) The case may be machined for crank pulley seal
- (D) Case savers may be installed
- (E) Cylinder seating surface may be machined
- (F) Oil galleries may be enlarged to 10mm
- (G) Threaded oil gallery plugs allowed

OIL PUMP

Any oil pump is allowed. No deep sumps, dry sumps, or sump alterations. Windage trays allowed. Any oil bypass piston and spring allowed

FUEL PUMP

Any combination of stock fuel pump or electric pump may be used. Any fuel filter and pressure regulator may be used.

PISTONS

Pistons must be stock 3 ring only. Any piston and cyl as long as original stock dimensions are maintained. Any type wrist pin keepers. Piston assemblies may be balanced to the weight in grams of the lightest original non balanced piston, wrist pin, ect

CONNECTING RODS

Balanced weight of the connecting rods in grams there will be of the four (4) rods one (1) untouched big end and one (1) untouched small end. There is no polishing or lightening of the rods.

CRANKSHAFT

Crankshaft must be stock CW. Crankshaft may be balanced. Maximum journal size is limited to .030" undersize. No polishing or lightening. Any gear is allowed. Any engine bearing is allowed as long as stock dimensions are maintained. Power pulleys are allowed. Pulley may be balanced. Sand seals ok. Any VW flywheel may be lightened and balanced. No aluminum flywheels. Any clutch disk and pressure plate but must retain stock VW diameter. Connecting rods may be balanced to the lightest non balanced rod. No polishing or profiling of rods

HEADS

Heads must be U.S sedan stock single port or dual port or their equivalent. Only dual port heads with the following numbers will be allowed. 040101375 2, 040101375 13, 040101375 19 or stock OEM heads will be allowed. Heads may be fly cut for clean up. No porting or polishing. Stock intake 34mm original equipment center section or its replacement. A 1" by 1.5" long by ½ inch tube may be welded 2 inches below the carb flange. A minimum of material may be removed from the end of the tube for clearance. A 1 5/8 X 2" long slip tube may be welded to the end of the runners for use of better hose connection. End castings must be original equipment VW, with the VW logo and part numbers. Balance slot may be welded closed. Vacuum hole may be plugged. A 34mm to 30mm carb adapter must be used.

CAMSHAFT, LIFTERS, VALVES, ROCKER ARMS

Any camshaft, gear, valve springs, valve spring retainers, and lifters are allowed. Valve spring seat diameter in head must remain stock. Valves must be stock 45 degrees. One piece valve ok. Valve guide may be steel, bronze, or cast iron. No grinding or polishing in the port including valve guide must use stock 1600 rocker arms. The rocker arms may be resurfaced to permit the use of swivel feet. No other grinding or changes may be made to the rocker arms. No roller or needle bearings will be allowed as part of the camshaft or as an interface between the rocker arms and the camshaft. Any push rods and push rod tubes. Any valve adj screws. Valve covers may be of any manufacture

FAN SHROUD

After market fan shrouds are allowed

CARBURETOR

Stock VW carb 30 pict 1, 2, 3 or the solex h-30-pic replacement must be used. Maximum venturi size is 24.10mm. Velocity stacks may be used as long as they are not bonded to the carburetor. No internal modifications are allowed. This includes no removing of parts, no grinding, polishing, or filing. Intake manifolds must be stock. No chemical milling of manifold or carburetor. Choke housing may be removed. The stock float bowl vent may be plugged and relocated. Any air and main jet may be used

SCR24 Engine Replacement

SCR25 Transmission

Must be stock VW type 1 or 2 transaxle housing with internal modifications only. No more than four forward speeds are allowed. Any internal modifications allowed. Any gear ratio combinations allowed but only VW type gears (helical cut gears) may be used. May use aftermarket side covers. Any gear shift lever allowed. Rear frame horns may be modified for cv joint clearance as long as it does not exceed below seam. Any cv joint and axle assemblies.

SCR26 Throttles

SCR27 Exhaust

Any exhaust allowed

SCR30 Fluid Coolers

Any oil cooler allowed with the location optional. Full flow system is allowed. No deep sumps or dry sumps will be allowed

SCR31 Auxiliary Equipment

SCR32 Superchargers and Turbochargers

VEHICLE SAFETY EQUIPMENT

SCR33 Roll Cages

SCR34 Safety Harness

SCR35 Safety Nets

SCR36 Seating

Any seat allowed but must remain in stock location. Rear seat may be removed. If stock seats are used they must have at least two u-bolts per runner

GENERAL VEHICLE COMPONENTS

SCR37 Drivers Compartment

Rear seat, upholstered panels, headliners, and carpet may be removed. Removal of dash and firewall is prohibited. Dash may be covered with aluminum to install gauges. Pedals must remain in stock fore and aft location. May use roller pedal. May use any throttle cable and VW stock housing. Air cleaner hose may pierce firewall for such things as oil lines, etc

SCR38 Doors and Latches

Doors must remain functional and in original stock location with original hinges and working latch. Secondary positive latching devices mandatory if net are attached to doors

SCR39 Firewalls

SCR40 Ballast

SCR42 Floorboards

Serial numbers are required on the floor pan. No alteration to pan allowed except for heating, bending, or cutting of pan. 1" to allow for tie rod clearance and cv joint clearance. Frame head may be interchanged from early to late or late to early

SCR43 Bumpers

Nerf bars may be added to the sides in front of the rear wheels

SCR44 Mirrors

SCR45 Skid Plates

Any type front and rear skid plate allowed. Any engine guards allowed

SCR46 Storage

CR47 Fenders

Fenders must be stock Baja Bug kit fenders. Rear fenders may be of any manufacturer. Medal fenders require rolled edges. Rear fenders may be mounted a maximum of 1.5" above the body line as measured at the top of the fender. Minimum width of 6" as measured from the center line of the rear wheel. Rear fender wells may be modified or removed .5" below stock fender holes. Rear package trays must remain in stock location and remain stock size. If fender well is removed the resulting hole must be covered air tight with the same thickness as the material removed

SCR48 Chassis and Body

Original wheel base must be maintained. Body must be VW type 1 bug or sunroof bug. No convertibles, Ghia's, 181 Safari's, Variants or Super Beetles. Main body shell must be all original. Sunroofs must have metal covering. No fiberglass body or doors. Front and rear sheet metal can be removed far enough to allow a Baja Bug kit. Running boards may be removed. One piece front end allowed. No canvas hoods allowed. No lift kits

SCR49 Hoses

SCR50 Identification Markings

SCR51 Advertising on Vehicles

SCR52 Workmanship

CLASS 6
OPEN PRODUCTION – PASSENGER VEHICLES
VEHICLES BUILT FROM A TWO WHEEL DRIVE PASSENGER TYPE
VEHICLE SERIES PRODUCED IN QUANTITIES OF AT LEAST 2000 UNITS
WITHIN A 12 MONTH PERIOD. NO AIR COOLED VW'S OR PORSCHE
ALLOWED, BUT CORVAIRS ARE PERMITTED. LATE MODEL
TURBOCHARGED CARS WILL BE ALLOWED PROVIDED ALL EXTERNAL
COMPONENTS ON THE ENGINE ARE FACTORY STOCK. COUPES,
SEDANS, CONVERTIBLES, STATION WAGONS, AND PASSENGER
PICKUPS SUCH AS EL CAMINOS AND RANCHEROS ARE INCLUDED IN
THIS CLASS

GENERAL REGULATIONS

Entrants in this class shall comply with all applicable general regulations

COMPETITION REGULATIONS

Manufacturer's body, engine, and chassis combinations must be retained. This class is an open production class and all components will be considered open unless restricted herein

Note: The SCR abbreviations listed under this class refer to cross reference listings in the front of this book. These cross referenced listings are part of the class rules. Where a conflict occurs between the cross referenced listing and a rule contained under this class, the rule contained under this class has precedence

SAFETY EQUIPMENT

SCR1 Helmets
SCR2 Protective Clothing
SCR3 Eye Protection
SCR4 First Aid Kit
SCR5 Flares
SCR6 Horns
SCR7 Reflectors
SCR8 Fire Extinguisher
SCR9 Survival Supplies

SUSPENSION COMPONENTS

Spindles may be reinforced or replaced but must retain the original stock concept. Front and rear suspension must be of the same basic design and concept as originally produced and installed on the chassis to which it is mounted. This is determined by manufacturer of chassis and the year it was manufactured. Suspension parts may be strengthened, reinforced, or replaced. Suspension must retain the original design and concept (a-arm, struts, i-beam, etc) and all primary spring systems must retain the original concept (leaf, torsion bar, coil, etc) that was delivered on the year chassis that is in use. Items with no restrictions are:

- (A) Pivot points
- (B) Spring rates and capacities
- (C) Ball joints
- (D) Mountings
- (E) Travel limits
- (F) Track width but tires must retract inside fender wells

Primary coil springs are limited to one coil per wheel

SCR10 Shock Absorbers and Bump Stops

Number of shocks and mounting methods are open. Mounting points may be redesigned, strengthened, and modified but may not be mounted in passenger compartment without approved safety shield. Remote mounted shocks are allowed. Shocks may not protrude thru hood

SCR11 Secondary Suspension

Secondary suspension allowed but with the secondary system disconnected. The primary system must be capable of maintaining ride height plus or minus 1.5"

SCR12 Wheels and Tires

Any tire and wheel are allowed as long as wheels and tires do not extend beyond the body lines as viewed from the top

SCR13 Fasteners

STEERING AND BRAKE COMPONENTS

SCR14 Steering

SCR15 Brakes

ELECTRICAL SYSTEM

SCR16 Ignition

SCR17 Batteries

SCR18 Lights

SCR19 Starters

FUEL SYSTEM

SCR20 Fuel

SCR21 Fuel Tanks

Safety fuel cells are required

SCR22 Fuel Lines, Vents, Caps

ENGINE, TRANSMISSION AND DRIVELINE

SCR23 Engine and Engine Displacement

Engine must be of the same manufacturer basic design and type and have the same number of cylinders as the one installed by the factory. Internal modifications are allowed. Items with no restrictions include:

- (A) Strengthening and balancing
- (B) Valve train and camshaft
- (C) Bore and stroke
- (D) Pistons
- (E) Blueprinting
- (F) Oil and water cooling systems
- (G) Air cleaners
- (H) Fuel pumps
- (I) Intake and exhaust system

Water and vapor injection not allowed unless originally equipped. Engine must be located in the stock mounting location as delivered from the factory plus or minus 1". This will be measured from the center line of the front spindle to the back of the block

SCR24 Engine Replacement

SCR25 Transmission

Transmission is open. Rear differential is open but must remain stock concept. Gear ratios, carriers, axles, and floating hubs are optional

SCR26 Throttles

SCR27 Exhaust

SCR28 Drive Shafts

SCR29 Flywheel Shields

SCR30 Fluid Coolers

SCR31 Auxiliary Equipment

SCR32 Superchargers and Turbochargers

VEHICLE SAFETY EQUIPMENT

SCR33 Roll Cages

SCR34 Safety Harness

SCR35 Safety Nets

SCR36 Seating

Any seat may be used but must remain in the approximate stock location

GENERAL VEHICLE COMPONENTS

SCR37 Drivers Compartment

The dash is optional. Upholstered panels, head liners, and carpets may be removed

SCR38 Doors and Latches

Doors must be retained and also meet current roll cage rules regarding side bars. The non-movable frame around the door window may not be removed. Door inner panels may be removed and door may be gutted

SCR39 Firewalls

SCR40 Ballast

SCR41 Weight

SCR42 Floorboards

SCR43 Bumpers

SCR44 Mirrors

SCR45 Skid Plates

SCR46 Storage

SCR47 Fenders

Wheel openings in fender may be enlarged and flared for tire clearance but stock profile must be retained. Front fender inner panels may be removed. Attachment of fenders, inner panels, and radiator to a front hoop is acceptable provided stock external appearance is retained. Body and fender material may not be substituted with the exception of hoods, trunk lids, fenders and/or bed sides and doors

SCR48 Chassis and Body

Manufacturer/importing distributor body to chassis combination must be retained

CHASSIS

Original stock wheel base must be maintained. Chassis and frames may be strengthened by adding material but must retain stock unit intact

BODY

Body must maintain original shape, size, configuration, and appearance. Additional mounts or parts for body strengthening may be added. Mounting location (vertical, horizontal, lateral) in relationship to the frame must remain stock. The measurement from the center line of the front spindle to the back of the b-pillar post must remain stock plus or minus 1". Hoods, trunk lids, fenders, and/or bed sides and doors are required to be in the stock location but may be of any material. Dropped grill assemblies are required. All external sheet metal must remain stock. No internal sheet metal is required. Safety glass windshield, sides, and rear are optional. Hardtops with tops removed are not permitted. Pickup bed must retain stock dimensions but mounting location is optional. Pickup bed floor may be removed. Tail gate and pickup bed front panels are optional

SCR49 Hoses

SCR50 Identification Markings

SCR51 Advertising on Vehicles

SCR52 Workmanship

**MINI METAL
OPEN PRODUCTION
LIMITED 2 WHEEL DRIVE VEHICLES
MUST BE A PRODUCTION APPEARING LIGHT DUTY TRUCK**

GENERAL REGULATIONS

Entrants in this class shall comply with all applicable general regulations

COMPETITION REGULATIONS

This is a limited class and all components will be considered open unless it says otherwise in these rules

Note: The SCR abbreviations listed under this class refer to cross reference listings in the front of this book. These cross referenced listings are part of the class rules. Where a conflict occurs between the cross referenced listing and a rule contained under this class, the rule contained under this class has precedence

SAFETY EQUIPMENT

SCR1 Helmets
SCR2 Protective Clothing
SCR3 Eye Protection
SCR4 First Aid Kit
SCR5 Flares
SCR6 Horns
SCR7 Reflectors
SCR8 Fire Extinguisher
SCR9 Survival Supplies

SUSPENSION COMPONENTS

Wheelbase is not to exceed 111". Track width is not to exceed 76" outside of tire to outside of tire. Front wheel travel is limited to 21.5" and rear wheel travel is limited to 23". 4 link rear suspension is allowed. Floating rear end is permitted. Anti-sway bars are permitted

SCR10 Shock Absorbers and Bump Stops
Is limited to one coil-over and one by-pass shock per corner. No bump stops allowed

SCR11 Secondary Suspension
No secondary suspension allowed

SCR12 Wheels and Tires
SCR13 Fasteners

STEERING AND BRAKE COMPONENTS

SCR14 Steering
No steering quickeners allowed

SCR15 Brakes

ELECTRICAL SYSTEM

SCR16 Ignition
SCR17 Batteries
SCR18 Lights
SCR19 Starters

FUEL SYSTEM

SCR20 Fuel
SCR21 Fuel Tanks
Safety fuel cells are required

SCR22 Fuel Lines, Vents, Caps

ENGINE, TRANSMISSION AND DRIVELINE

SCR23 Engine and Engine Displacement
2.2 liter Ecotec

SCR24 Engine Replacement
SCR25 Transmission
GM 3-speed Turbo 350 or 3-speed Turbo 400 automatic transmission

DIFFERENTIAL

Rear differential is limited to a 9" rear end. Floating rear end is allowed

SCR26 Throttles
SCR27 Exhaust
SCR28 Drive Shafts
SCR29 Flywheel Shields
SCR30 Fluid Coolers
SCR31 Auxiliary Equipment
SCR32 Superchargers and Turbochargers

VEHICLE SAFETY EQUIPMENT

SCR33 Roll Cages
SCR34 Safety Harness
SCR35 Safety Nets
SCR36 Seating

GENERAL VEHICLE COMPONENTS

SCR37 Drivers Compartment

SCR38 Doors and Latches

SCR39 Firewalls

SCR40 Ballast

SCR41 Weight

Minimum weight of 2,500 lbs

SCR42 Floorboards

SCR43 Bumpers

SCR44 Mirrors

SCR45 Skid Plates

SCR46 Storage

SCR47 Fenders

SCR48 Chassis and Body

Chassis is a complete tubular frame. Fiberglass body must resemble a light duty truck

SCR49 Hoses

SCR50 Identification Markings

SCR51 Advertising on Vehicles

SCR52 Workmanship

CLASS 7
UNLIMITED MINI TRUCK

GENERAL REGULATIONS

Entrants in this class shall comply with all applicable general regulations

COMPETITION REGULATIONS

This is an open class, and all items shall be considered open unless stated otherwise in the following regulations.

Note: The SCR abbreviations listed under this class refer to cross reference listings in the front of this book. These cross referenced listings are part of the class rules. Where a conflict occurs between the cross referenced listing and a rule contained under this class, the rule contained under this class has precedence

SAFETY EQUIPMENT

SCR1 Helmets
SCR2 Protective Clothing
SCR3 Eye Protection
SCR4 First Aid Kit
SCR5 Flares
SCR6 Horns
SCR7 Reflectors
SCR8 Fire Extinguisher
SCR9 Survival Supplies

SUSPENSION COMPONENTS

Suspension is open, with a maximum width measured from outside of tire to outside of tire, measured at the spindle centerline, horizontal to the ground, with vehicle at ride height.

SCR11 Secondary Suspension

Secondary suspension allowed but with the secondary system disconnected. The primary system must be capable of maintaining ride height plus or minus 1.5"

SCR12 Wheels and Tires

SCR13 Fasteners

STEERING AND BRAKE COMPONENTS

SCR14 Steering

SCR15 Brakes

ELECTRICAL SYSTEM

SCR16 Ignition
SCR17 Batteries
SCR18 Lights
SCR19 Starters

FUEL SYSTEM

SCR20 Fuel
SCR21 Fuel Tanks
Safety fuel cells are required

SCR22 Fuel Lines, Vents, Caps

ENGINE, TRANSMISSION AND DRIVELINE

SCR23 Engine and Engine Displacement

Engine is limited to 6 cylinders. Displacement is open. Engine placement is open, and can be moved as necessary on the chassis. There are NO placement restrictions.

SCR24 Engine Replacement
SCR25 Transmission
SCR26 Throttles
SCR27 Exhaust
SCR28 Drive Shafts
SCR29 Flywheel Shields
SCR30 Fluid Coolers
SCR31 Auxiliary Equipment
SCR32 Superchargers and Turbochargers

VEHICLE SAFETY EQUIPMENT

SCR33 Roll Cages
SCR34 Safety Harness
SCR35 Safety Nets
SCR36 Seating

GENERAL VEHICLE COMPONENTS

SCR37 Drivers Compartment

SCR38 Doors and Latches
SCR39 Firewalls
SCR40 Ballast
SCR41 Weight
SCR42 Floorboards
SCR43 Bumpers
SCR44 Mirrors

SCR45 Skid Plates
SCR46 Storage

BODY

Body must resemble a truck or SUV, and carry the emblem of the manufacture of the body type, i.e. Ford, Chevy etc.. Body material may be fiberglass, metal or carbon fiber.

SCR49 Hoses
SCR50 Identification Markings
SCR51 Advertising on Vehicles
SCR52 Workmanship

CLASS 7S

OPEN PRODUCTION – MINI PICKUPS

**VEHICLES BUILT FROM A TWO WHEEL DRIVE OR FOUR WHEEL DRIVE
MINI OR MID-SIZED PICKUP. VEHICLES MUST HAVE BEEN SERIES
PRODUCED IN QUANTITIES OF 5000 UNITS WITHIN A 12 MONTH PERIOD
AND BE READILY AVAILABLE TO THE GENERAL PUBLIC IN THE USA.
VEHICLE MUST BE MARKETED AS A MINI OR MID-SIZED PICKUP**

GENERAL REGULATIONS

Entrants in this class shall comply with all applicable general regulations

COMPETITION REGULATIONS

Manufacturer's body, engine, and chassis combinations must be retained. This class is an open production class and all components will be considered open unless restricted herein

Note: The SCR abbreviations listed under this class refer to cross reference listings in the front of this book. These cross referenced listings are part of the class rules. Where a conflict occurs between the cross referenced listing and a rule contained under this class, the rule contained under this class has precedence

SAFETY EQUIPMENT

SCR1 Helmets
SCR2 Protective Clothing
SCR3 Eye Protection

SCR4 First Aid Kit
SCR5 Flares
SCR6 Horns
SCR7 Reflectors
SCR8 Fire Extinguisher
SCR9 Survival Supplies

SUSPENSION COMPONENTS

Suspension parts may be strengthened, reinforced, or replaced. Suspension must retain the original design and concept. A-arms, i-beams and front axles must remain stock as delivered on the chassis to which it is mounted and configuration has delivered from the manufacturer. Pivot points must remain in stock location. Mounting points may be strengthened. Ball joints are open to any manufacture. Front springs must retain stock concept (leaf, coil, torsion) and remain in stock location. Spring rates and capacities are open. Rear springs may be lengthened to equal that of the longest stock production rear leafs as delivered by the manufacturer on a mid-sized or mini pick-up. Spring may be mounted above or below axles, spring rates and capacities are open. Two single point antiwrap up bars may be used on the rear differential. Front and rear track width must remain stock +/- 2 inches. Stock sway bars may be removed. Front wheel travel is limited to 12”.

SCR10 Shock Absorbers and Bump Stops

Number of shocks and mounting methods are open. Mounting points may be redesigned, strengthened, and modified. Remote mounted shocks are not allowed. Shocks may not protrude thru hood. Hydraulic bump stops are allowed as long as wheel travel and frame rules are observed; no air shocks

SCR11 Secondary Suspension

No secondary suspension allowed

SCR12 Wheels and Tires

SCR13 Fasteners

STEERING AND BRAKE COMPONENTS

SCR14 Steering

Steering box housing must remain stock mini or midsize truck of the same manufacture as the vehicle and remain original. Internal steering box parts are open. Stock location of steering box may be reinforced by adding material. Steering wheel position may be changed a maximum of 3" fore or aft

SCR15 Brakes

ELECTRICAL SYSTEM

SCR16 Ignition

SCR17 Batteries

SCR18 Lights

Any manufacture lights may be used but stock headlight opening must be retained

SCR19 Starters

FUEL SYSTEM

SCR20 Fuel

SCR21 Fuel Tanks

Safety fuel cells are required

SCR22 Fuel Lines, Vents, Caps

ENGINE, TRANSMISSION AND DRIVELINE

SCR23 Engine and Engine Displacement

Engine must be one delivered in the vehicle by the factory with a maximum of six cylinders. Any other engine of the same manufacturer/importing distributor may be used providing:

- (1) It retains a maximum of six cylinders as originally produced by the factory
- (2) It retains the same number of camshafts
- (3) It retains the same number of valves per cylinder
- (4) It does not displace more than 3000cc. Engine must be readily available to the general public in the USA. Any make of carburetor will be allowed with a maximum of one venturi per cylinder. Any make or type of fuel injection allowed
- (5) Must have a stock factory part number

No rotary piston engines are allowed in this class

Items with no restrictions include:

- (A) Strengthening and balancing
- (B) Valve train and camshaft
- (C) Pistons
- (D) Blueprinting
- (E) Oil and water cooling systems dry sumps are allowed. The radiator must remain in the stock location
- (F) Air cleaners
- (G) Fuel pumps
- (H) Exhaust system

Water and vapor injection not allowed unless originally equipped. Engine must be located in the stock mounting location as delivered from the factory plus or minus 1". This will be measured from the center line of the front spindle to the back of the block

SCR24 Engine Replacement

SCR25 Transmission

Transmission is open provided it is listed and delivered by the manufacture of the vehicle. Rear differential is open but must remain stock concept. Gear ratios, carriers, axles, and floating hubs are optional

SCR26 Throttles

SCR27 Exhaust

SCR28 Drive Shafts

SCR29 Flywheel Shields

SCR30 Fluid Coolers

SCR31 Auxiliary Equipment

SCR32 Superchargers and Turbochargers

VEHICLE SAFETY EQUIPMENT

SCR33 Roll Cages

SCR34 Safety Harness

SCR35 Safety Nets

SCR36 Seating

Any seat may be used but must remain in the approximate stock location

GENERAL VEHICLE COMPONENTS

SCR37 Drivers Compartment

The dash is optional. Upholstered panels, head liners, and carpets may be removed

SCR38 Doors and Latches

SCR39 Firewalls

SCR40 Ballast

SCR41 Weight

All vehicles have a minimum weight of 3000lbs

SCR42 Floorboards

SCR43 Bumpers

SCR44 Mirrors

SCR45 Skid Plates

SCR46 Storage

SCR47 Fenders

Wheel openings in fender may be enlarged and flared for tire clearance but stock profile must be retained. Front fender inner panels may be removed. Attachment of fenders, inner panels, and radiator to a front hoop is acceptable provided stock external appearance is retained. Body and fender material may not be substituted with the exception of hoods, trunk lids, fenders and/or bed sides and doors. Tires must retract inside offender openings. Front fenders may be fiberglass

SCR48 Chassis and Body

Frame section must remain stock height and width throughout its entire length. No removal of material allowed. Frame rails must remain stock. This includes the size, shape, length, configuration and material except for the preceding modifications

BODY

Body must maintain original shape, size, configuration, and appearance. Additional mounts or parts for body strengthening may be added. Mounting location (vertical, horizontal, lateral) in relationship to the frame must remain stock. The measurement from the center line of the front spindle to the back of the b-pillar post must remain stock plus or minus 1". Hoods, trunk lids, fenders, and/or bed sides and doors are required to be in the stock location but may be of any material. Stock grill assemblies are required. All external sheet metal must remain stock. No internal sheet metal is required. Safety glass windshield, sides, and rear are optional. Hardtops with tops removed are not permitted. Pickup bed must retain stock dimensions but mounting location is optional. Pickup bed floor may be removed. Tail gate and pickup bed front panels are optional

SCR49 Hoses

SCR50 Identification Markings

SCR51 Advertising on Vehicles

SCR52 Workmanship

HEAVY METAL
**OPEN PRODUCTION – FULL SIZE/MINI OR MIDSIZE TRUCKS WITH V8
ENGINES**

GENERAL REGULATIONS

Entrants in this class shall comply with all applicable general regulations

COMPETITION REGULATIONS

This is an open class and all components will be considered open unless it says otherwise in these rules. Two of three items must be of same manufacturer (frame/motor/body)

Note: The SCR abbreviations listed under this class refer to cross reference listings in the front of this book. These cross referenced listings are part of the class rules. Where a conflict occurs between the cross referenced listing and a rule contained under this class, the rule contained under this class has precedence

SAFETY EQUIPMENT

SCR1 Helmets
SCR2 Protective Clothing
SCR3 Eye Protection
SCR4 First Aid Kit
SCR5 Flares
SCR6 Horns
SCR7 Reflectors

SCR8 Fire Extinguisher
SCR9 Survival Supplies

SUSPENSION COMPONENTS

SCR10 Shock Absorbers and Bump Stops
SCR11 Secondary Suspension
SCR12 Wheels and Tires
SCR13 Fasteners

STEERING AND BRAKE COMPONENTS

SCR14 Steering
SCR15 Brakes

ELECTRICAL SYSTEM

SCR16 Ignition
SCR17 Batteries
SCR18 Lights
SCR19 Starters

FUEL SYSTEM

SCR20 Fuel
SCR21 Fuel Tanks
Safety fuel cells are required

SCR22 Fuel Lines, Vents, Caps

ENGINE, TRANSMISSION AND DRIVELINE

SCR23 Engine and Engine Displacement
Engine does not need to match vehicle type and may be re-positioned but must remain in front of driver/co driver

SCR24 Engine Replacement
SCR25 Transmission
SCR26 Throttles
SCR27 Exhaust
SCR28 Drive Shafts
SCR29 Flywheel Shields
SCR30 Fluid Coolers
SCR31 Auxiliary Equipment
SCR32 Superchargers and Turbochargers

VEHICLE SAFETY EQUIPMENT

SCR33 Roll Cages
SCR34 Safety Harness

SCR35 Safety Nets
SCR36 Seating

GENERAL VEHICLE COMPONENTS

SCR37 Drivers Compartment
SCR38 Doors and Latches
SCR39 Firewalls
SCR40 Ballast
SCR41 Weight
SCR42 Floorboards
SCR43 Bumpers
SCR44 Mirrors
SCR45 Skid Plates
SCR46 Storage
SCR47 Fenders
SCR48 Chassis and Body
 Frame must retain 2/3 of frame rails

SCR49 Hoses
SCR50 Identification Markings
SCR51 Advertising on Vehicles
SCR52 Workmanship

CLASS 8
OPEN PRODUCTION – FULL SIZE UTILITY VEHICLE
VEHICLES MUST BE BUILT FROM A FULL SIZE TWO WHEEL DRIVE
UTILITY TYPE VEHICLE. VEHICLES MUST HAVE BEEN SERIES
PRODUCED IN QUANTITIES OF AT LEAST 5,000 UNITS WITHIN A 12
MONTH PERIOD AND BE READILY AVAILABLE TO THE GENERAL PUBLIC
IN THE USA

GENERAL REGULATIONS

Entrants in this class shall comply with all applicable general regulations

COMPETITION REGULATIONS

Manufacturer's body, engine, and chassis combinations must be retained. This class is an open production class and all components will be considered open unless restricted herein

Note: The SCR abbreviations listed under this class refer to cross reference listings in the front of this book. These cross referenced listings are part of the class rules. Where a conflict occurs between the cross referenced listing and a rule contained under this class, the rule contained under this class has precedence

SAFETY EQUIPMENT

SCR1 Helmets
SCR2 Protective Clothing
SCR3 Eye Protection
SCR4 First Aid Kit

SCR5 Flares
SCR6 Horns
SCR7 Reflectors
SCR8 Fire Extinguisher
SCR9 Survival Supplies

SUSPENSION COMPONENTS

Spindles may be reinforced or replaced but must retain the original stock concept. Front and rear suspension must be of the same basic design and concept as originally produced and installed on the chassis to which it is mounted. This is determined by manufacturer of chassis and the year it was manufactured. Suspension parts may be strengthened, reinforced, or replaced. Suspension must retain the original design and concept (a-arm, struts, i-beam, etc) and all primary spring systems must retain the original concept (leaf, torsion bar, coil, etc) that was delivered on the year chassis that is in use. Items with no restrictions are:

- (A) Pivot points
- (B) Spring rates and capacities
- (C) Ball joints
- (D) Mountings
- (E) Travel limit
- (F) Track width but tires must retract inside fender wells

Primary coil springs are limited to one coil per wheel and must be mounted according to stock concept

SCR10 Shock Absorbers and Bump Stops

Number of shocks and mounting methods are open. Mounting points may be redesigned, strengthened, and modified. Remote mounted shocks are allowed. Shocks may not protrude thru hood

SCR11 Secondary Suspension

Secondary suspension allowed but with the secondary system disconnected. The primary system must be capable of maintaining ride height plus or minus 1.5”

SCR12 Wheels and Tires
SCR13 Fasteners

STEERING AND BRAKE COMPONENTS

SCR14 Steering
SCR15 Brakes

ELECTRICAL SYSTEM

SCR16 Ignition
SCR17 Batteries
SCR18 Lights
SCR19 Starters

FUEL SYSTEM

SCR20 Fuel
SCR21 Fuel Tanks
Safety fuel cells are required

SCR22 Fuel Lines, Vents, Caps

ENGINE, TRANSMISSION AND DRIVELINE

SCR23 Engine and Engine Displacement

Engines must be of the same manufacturer, design and type and have the same number of cylinders originally installed by the manufacturer. Any displacement engine may be used so long as the original block casting remains the same. Engine block must be made of the same type of material of stock block for that particular chassis and body series. Engine must be readily available to the general public in the USA. Any make of automotive carburetor may be used but is restricted to one four barrel. Stock factory fuel injection may be used. Items with no restrictions include:

- (A) Strengthening and balancing
- (B) Valve train and camshaft
- (C) Bore and stroke
- (D) Pistons
- (E) Blueprinting
- (F) Oil and water cooling systems
- (G) Air cleaners
- (H) Fuel pumps

(I) Exhaust system

Water and vapor injection not allowed unless originally equipped. Engine must be located in the stock mounting location as delivered from the factory plus or minus 1". This will be measured from the center line of the front spindle to the back of the block. Height will be measured from center of crank to frame rail

SCR24 Engine Replacement

SCR25 Transmission

Transmission is open. Rear differential is open but must remain stock concept. Gear ratios, carriers, axles, and floating hubs are optional

SCR26 Throttles

SCR27 Exhaust

SCR28 Drive Shafts

SCR29 Flywheel Shields

SCR30 Fluid Coolers

SCR31 Auxiliary Equipment

SCR32 Superchargers and Turbochargers

VEHICLE SAFETY EQUIPMENT

SCR33 Roll Cages

SCR34 Safety Harness

SCR35 Safety Nets

SCR36 Seating

Any seat may be used but must remain in the approximate stock location

GENERAL VEHICLE COMPONENTS

SCR37 Drivers Compartment

The dash is optional. Upholstered panels, head liners, and carpets may be removed

SCR38 Doors and Latches

SCR39 Firewalls

SCR40 Ballast

SCR41 Weight

Vehicles must weigh a minimum weight of 4000lbs dry

SCR42 Floorboards

SCR43 Bumpers

SCR44 Mirrors

SCR45 Skid Plates

SCR46 Storage

SCR47 Fenders

Wheel openings in fender may be enlarged and flared for tire clearance but stock profile must be retained. Front fender inner panels may be removed.

Attachment of fenders, inner panels, and radiator to a front hoop is acceptable provided stock external appearance is retained. Body and fender material may not be substituted with the exception of hoods, trunk lids, fenders and/or bed sides and doors

SCR48 Chassis and Body

Original wheel base plus or minus 2" must be retained. Frames may be strengthened by adding material but must retain stock configuration, size, and shape. No removal of materials allowed. Frame must remain stock length but may be notched 8" from the front for ground clearance as long as the top of frame rail is not modified

BODY

Body must maintain original shape, size, configuration, and appearance. Additional mounts or parts for body strengthening may be added. Mounting location (vertical, horizontal, lateral) in relationship to the frame must remain stock. The measurement from the center line of the front spindle to the back of the b-pillar post must remain stock plus or minus 1". Hoods, trunk lids, fenders, and/or bed sides and doors are required to be in the stock location but may be of any material. Dropped hoods are allowed but stock profile must be maintained. Stock grill assemblies are required. All external sheet metal must remain stock. No internal sheet metal is required. Safety glass windshield, sides, and rear are optional. Hardtops with tops removed are not permitted

SCR49 Hoses

SCR50 Identification Markings

SCR51 Advertising on Vehicles

SCR52 Workmanship

CLASS 9
OPEN WHEEL – 100” WHEEL BASE
SINGLE AND TWO SEAT BUGGIES WITH A MAXIMUM WHEEL BASE OF
100”
VEHICLE PARTS ARE BASED ON A TYPE 1 VW

GENERAL REGULATIONS

Entrants in this class shall comply with all applicable general regulations

COMPETITION REGULATIONS

All parts called out for in this class shall remain in their stock shape, size, and configuration unless otherwise stated herein. There will be no rule changes unless safety related in this class for a period of five years. If it does not say you can change or replace a part you **CAN'T** do it!!!

Note: The SCR abbreviations listed under this class refer to cross reference listings in the front of this book. These cross referenced listings are part of the class rules. Where a conflict occurs between the cross referenced listing and a rule contained under this class, the rule contained under this class has precedence

SAFETY EQUIPMENT

SCR1 Helmets
SCR2 Protective Clothing
SCR3 Eye Protection

SCR4 First Aid Kit
SCR5 Flares
SCR6 Horns
SCR7 Reflectors
SCR8 Fire Extinguisher
SCR9 Survival Supplies

SUSPENSION COMPONENTS

Front and rear suspension components are limited to stock VW production type 1 parts unless otherwise stated herein. Suspension must retain stock concept and no other suspension types used with the stock suspension

FRONT SUSPENSION

Front suspension must be type 1 ball joint. Front axle torsion tube centers may be cut, rotated and rewelded to increase ground clearance. Original seams may be welded (not reinforced) on front beam. Torsion adjusters allowed. Any manufacturer's torsion leaves are allowed. Suspension limiters are allowed. Filling of speedometer hole in spindle is permitted. Steering arm on spindle may be reinforced by welding a 1/4" gusset from the top of the upper ball joint to the end of the steering arm. A single tube may be welded from one shock tower to the other shock tower as a reinforcement member. Only VW ball joints may be used, no aftermarket ball joints allowed. Stock VW trailing arms and spindles only

REAR SUSPENSION

Rear suspension is limited to stock VW type 1 components. Rear suspension torsion bars may be of any origin. The torsion housing must remain stock dimensions, aftermarket housing is allowed. Any spring plates and spring plate grommets are allowed. Torsion adjusters are allowed. Spring plate retainers are allowed

SCR10 Shock Absorbers and Bump Stops

Only one shock per wheel is allowed. Outside diameter of shock may not be larger than 65mm. shock shafts may not have a diameter larger than .085". Front shocks must be mounted in the stock location. Rear shocks may be mounted in any location. Rear shocks may not have an extended length longer than 31.5". Shock reservoirs allowed. Shocks may be of any manufacturer. No air or coilover shocks allowed. No external bypass shocks.

SCR11 Secondary Suspension

No secondary suspension allowed.

SCR12 Wheels and Tires

Must use a 15" steel rim, 5" wide maximum with any standard offset. Any pneumatic tire and size allowed up to a 33" tall and 10" wide as mounted on 5" x 15" rim with 18lbs of air

SCR13 Fasteners

STEERING AND BRAKE COMPONENTS

SCR14 Steering

Steering box may be of any origin. No power steering allowed. Any tie rod and tie rod end allowed

SCR15 Brakes

Original VW type drum brakes only. Type 1, 2, 3, and 181 any combination of brake shoes. Any combination of VW wheel cyl. Dual master cylinders allowed

ELECTRICAL SYSTEM

SCR16 Ignition

Battery ignition only, no magnetos. Six or twelve volt systems may be used. Any distributor may be used. Any VW type alternator or generator in the stock location may be used. Electronic ignition allowed

SCR17 Batteries

Battery must be sealed from driver's compartment

SCR18 Lights

SCR19 Starters

FUEL SYSTEM

SCR20 Fuel

Automotive pump gas only. This means only fuel sold to the general public for use in domestic cars.

SCR21 Fuel Tanks

Safety fuel cells are required. Fuel cell may not hold more than 22 gallons. Electric fuel pump may be used but must be used as a backup and routed through the stock system.

SCR22 Fuel Lines, Vents, Caps.

ENGINE, TRANSMISSION AND DRIVELINE

This is an engine claimer class. This means that any finisher in the top five can claim the first place finisher's engine by putting up \$2500.00 in cash in the allotted protest time. The first place finisher must release rights to his engine to the claimer. The engine in this case will be the long block. Sheet metal, fan housing, carburetor, generator/alternator, distributor, intake manifold, exhaust, etc are not included in this rule. The protest time will be one hour after the last official finisher crosses the finish line. There must be a **SNORE** official present at the time of the protest. **SNORE** will take no responsibility for the condition of the engine; it will be bought as is.

SCR23 Engine and Engine Displacement

Engine must utilize VW series type 1, 1600cc, U.S model sedan components and dimensions. The maximum allowable engine displacement is 1584cc as delivered from the factory.

ENGINE CASE

Any VW type 1, 2, 3 or "universal" case is allowed. The following modifications may be made to the stock case:

- (A) The case may be line bored
- (B) The case may be drilled and tapped for oil and temp sending units
- (C) The case may be machined for crank pulley seal
- (D) Case savers may be installed
- (E) Cylinder seating surface may be machined
- (F) Oil galleries may be enlarged to 10mm
- (G) Threaded oil gallery plugs allowed

OIL PUMP

Any oil pump is allowed. No deep sumps, dry sumps, or sump alterations. Windage trays allowed. Any oil bypass piston and spring allowed. Full flow systems ok

FUEL PUMP

Stock fuel pump must be used. Electric fuel pump may be used but must be used as a backup and routed through the stock system. Any fuel filters and pressure regulators allowed

PISTONS

Pistons must be stock 3 ring only. Any piston and cyl as long as original stock dimensions are maintained. Any type wrist pin keepers. Piston assemblies may be balanced to the weight in grams of the lightest original non balanced piston, wrist pin, etc

CONNECTING RODS

Balanced weight of the connecting rods in grams there will be of the four (4) rods one (1) untouched big end and one (1) untouched small end. There is no polishing or lightening of the rods.

CRANKSHAFT

Crankshaft must be stock VW. Crankshaft may be balanced. Maximum journal size is limited to .030" undersize. No polishing or lightening. No offset grinding allowed. Any gear is allowed. Any engine bearing is allowed as long as stock dimensions are maintained. Power pulleys are not allowed. Pulley may be balanced. Sand seals ok. Any VW flywheel may be lightened and balanced. Flywheel may be 8 dowel pinned. Any gland nut. No aluminum flywheels. Any clutch disk and pressure plate but must retain stock VW diameter. Connecting rods may be balanced to the lightest non balanced rod. No polishing or profiling of rods. Aluminum stock sized pulley ok.

HEADS

Heads must be U.S sedan stock single port or dual port or their equivalent. Only dual port heads with the following numbers will be allowed. 040101375 2, 040101375 13, 040101375 19 or stock OEM heads will be allowed. Heads may be fly cut for clean up. Minimum of 42 cc's in combustion chamber. No porting or polishing. Stock intake 34mm original equipment center section or its replacement. A 1" by 1.5" long by 1/2 inch tube may be welded 2 inches below the carb flange. A minimum of material may be removed from the end of the tube for clearance. A 1 5/8 X 2" long slip tube may be welded to the end of the runners for use of better hose connection. End castings must be original equipment VW, with the VW logo and part numbers. Balance slot may be welded closed. Vacuum hole may be plugged. A 34mm to 30mm carb adapter must be used. 7.5 to 1 is the maximum compression ratio.

CAMSHAFT, LIFTERS, VALVES, ROCKER ARMS

Any camshaft, gear, single valve spring, steel valve spring retainers and lifters are allowed. Valve spring seat diameter in head must remain stock. Valves must be stock 45 degrees. One piece valve ok. Valve guide may be steel, bronze, or cast iron. No grinding or polishing in the port including valve guide. Must use stock 1600 rocker arms. The rocker arms may be resurfaced to permit use of swivel feet. No other grinding or changes may be made to the rocker arms. No roller or needle bearings will be allowed as part of the camshaft or as an interface between the rocker arms and the camshaft. Any push rods and push rod tubes. Any valve adj screws. Stock valve covers only

FAN SHROUD

Only stock fan shrouds are allowed. All sheet metal must be stock. Valve covers and sheet metal may be modified a minimum to allow the use of engine breathers

CARBURETOR

Stock VW carb 30 pict 1, 2, 3 or the solex h-30-pic replacement must be used. Maximum venturi size is 24.10mm. Velocity stacks may be used as long as they are not bonded to the carburetor. No internal modifications are allowed. This includes no removing of parts, no grinding, polishing, or filing. Intake manifolds must be stock one piece only. No chemical milling of manifold or carburetor. Choke housing may be removed. The stock float bowl vent may be plugged and relocated. Any air and main jet may be used. Vacuum advance port may be removed and plugged

SCR24 Engine Replacement

SCR25 Transmission

Type 1 bug 4 speed swing axle only. Heavy duty side plates and differential allowed. Stock VW type 1 ring and pinion ratios only (4.37 and 4.12). Stock VW type 1 gears only. Close ratio 3rd and 4th allowed. Axle cover tubes allowed. Other internal modifications are optional. No 3.88 ring and pinions and no close 1 and 2 gear shafts.

SCR26 Throttles

SCR27 Exhaust

Any manufacturers exhaust allowed

SCR30 Fluid Coolers

Any oil cooler allowed with the location optional. Full flow systems are allowed. No deep sumps or dry sumps will be allowed

SCR31 Auxiliary Equipment

SCR32 Superchargers and Turbochargers

VEHICLE SAFETY EQUIPMENT

SCR33 Roll Cages

SCR34 Safety Harness

SCR35 Safety Nets

SCR36 Seating

GENERAL VEHICLE COMPONENTS

SCR37 Drivers Compartment

SCR38 Doors and Latches

SCR39 Firewalls

SCR40 Ballast

SCR41 Weight

Single seat = 1550lbs

Double seat = 1350 lbs

SCR42 Floorboards
SCR43 Bumpers
SCR44 Mirrors
SCR45 Skid Plates
SCR46 Storage
SCR48 Chassis and Body
Maximum wheel base is 100"

SCR49 Hoses
SCR50 Identification Markings
SCR51 Advertising on Vehicles
SCR52 Workmanship

CLASS 10
OPEN WHEEL – LIMITED MOTOR
SINGLE OR TWO SEAT VEHICLES LIMITED IN ENGINE SIZE

GENERAL REGULATIONS

Entrants in this class shall comply with all applicable general regulations

COMPETITION REGULATIONS

This class is an open class and all components will be considered open unless restricted herein

Note: The SCR abbreviations listed under this class refer to cross reference listings in the front of this book. These cross referenced listings are part of the class rules. Where a conflict occurs between the cross referenced listing and a rule contained under this class, the rule contained under this class has precedence

SAFETY EQUIPMENT

SCR1 Helmets
SCR2 Protective Clothing
SCR3 Eye Protection
SCR4 First Aid Kit
SCR5 Flares

SCR6 Horns
SCR7 Reflectors
SCR8 Fire Extinguisher
SCR9 Survival Supplies

SUSPENSION COMPONENTS

SCR10 Shock Absorbers and Bump Stops
SCR11 Secondary Suspension
SCR12 Wheels and Tires
SCR13 Fasteners

STEERING AND BRAKE COMPONENTS

SCR14 Steering
SCR15 Brakes

ELECTRICAL SYSTEM

SCR16 Ignition
SCR17 Batteries
SCR18 Lights
SCR19 Starters

FUEL SYSTEM

SCR20 Fuel
SCR21 Fuel Tanks
Safety fuel cells are required

SCR22 Fuel Lines, Vents, Caps

ENGINE, TRANSMISSION AND DRIVELINE

SCR23 Engine and Engine Displacement
Any engine may be used providing:

- (1) It is a design that has been series produced in quantities of 5000 units or more and is readily available to the general public in the U.S.A.
- (2) It did not displace more than 2000cc in the stock form
- (3) It retains a maximum of four valves per cylinder
- (4) It does not have more than 4 cylinders.

Single seat vehicles must not displace more than:

- A. 1700cc water cooled eight valves with a single two-barrel carb.
- B. 1650cc water cooled sixteen valves with a single two barrel carb or Stock fuel injection. Max throttle body size 58.5mm.
- C. 1915cc four cylinder push rod air cooled with one or two carbs or Stock fuel injection.

Two seat vehicles must not displace more than:

- A. 1800cc water cooled eight valves with a single two barrel carb.

- B.1750 water cooled sixteen valves with a single two barrel carb or Stock fuel injection. Max throttle body size 58.5mm.
- C.2000cc four cylinder push rod air cooled with 1 or 2 carburetors or Stock fuel injection.

(5). It is not a rotary piston engine

- (1) It retains a maximum of two venturies per carburetor
- (2) Carburetor(s) must be of the production automotive type
- (3) Four cylinder push rod air cooled motors may use 2 carburetors.

Fuel injection is stock with the following restrictions:

- (1) Intake manifold will remain as delivered by the manufacture. It will retain its stock shape, size, and configuration. No porting or other modifications. Ports may be matched to heads, but matching may not exceed .250 inches $\frac{1}{4}$ deep. Manifold must be the unit that was installed and delivered on the engine by the original manufacture. Only U.S.A. delivery fuel injection is allowed.
- (2) Manifold must be installed and sold on production vehicles that are sold for highway use in the U.S.A. and be readily available to the general public.
- (3) Throttle body must be production (oem) type readily available to the general public in the U.S.A.

- SCR24 Engine Replacement
- SCR25 Transmission
- SCR26 Throttles
- SCR27 Exhaust
- SCR28 Drive Shafts
- SCR29 Flywheel Shields
- SCR30 Fluid Coolers
- SCR31 Auxiliary Equipment
- SCR32 Superchargers and Turbochargers

VEHICLE SAFETY EQUIPMENT

- SCR33 Roll Cages
- SCR34 Safety Harness
- SCR35 Safety Nets
- SCR36 Seating

GENERAL VEHICLE COMPONENTS

- SCR37 Drivers Compartment
- SCR38 Doors and Latches
- SCR39 Firewalls

SCR40 Ballast
SCR41 Weight
SCR42 Floorboards
SCR43 Bumpers
SCR44 Mirrors
SCR45 Skid Plates
SCR46 Storage
SCR47 Fenders
SCR48 Chassis and Body
SCR49 Hoses
SCR50 Identification Markings
SCR51 Advertising on Vehicles
SCR52 Workmanship

STOCK BUG
OPEN WHEEL – STOCK VW SEDANS
MUST BE A STOCK VW SEDAN AS DELIVERED IN THE U.S.A.

GENERAL REGULATIONS

Entrants in this class shall comply with all applicable general regulations

COMPETITION REGULATIONS

Any questions concerning chassis combinations will be decided by referring to VW factory parts manuals and /or VW of America booklet. This is a stock production class and all components must remain stock except for those modifications allowed herein.

Note: The SCR abbreviations listed under this class refer to cross reference listings in the front of this book. These cross referenced listings are part of the class rules. Where a conflict occurs between the cross referenced listing and a rule contained under this class, the rule contained under this class has precedence

SAFETY EQUIPMENT

SCR1 Helmets
SCR2 Protective Clothing
SCR3 Eye Protection

SCR4 First Aid Kit
SCR5 Flares
SCR6 Horns
SCR7 Reflectors
SCR8 Fire Extinguisher
SCR9 Survival Supplies

SUSPENSION COMPONENTS

FRONT SUSPENSION

Front axle torsion tube centers may be cut, rotated, rewelded to increase ground clearance or front adjusters may be used. Original seams may be welded (not reinforced) on the front beam. Shock towers may be additionally supported by the adding of a single gusset; gusset may not extend more than 2" above top torsion tube.

Stock front spindles and trailing arms must be used no additional material may be used. Sway bars may be removed. Filling of speedometer hole is permitted. Steering arm on spindle may be reinforced by welding a .25 gusset from the top of the spindle to the end of the steering arm.

Front snubbers may be of any manufacture but must retain stock dimension and mounting methods. Suspension limiters allowed.

REAR SUSPENSION

Rear suspension torsion bars may be of any origin. Rear suspension springs may be of any origin. Torsion bar adjusters are allowed. Torsion bar grommets may be of any manufacturer but must retain stock VW dimensions.

Rear torsion bars may be additionally supported only by the attachment of a terminal end (support member) of the roll cage. Rear shock tower may be removed to body mounting bolt hole. Lower rear shock mounts may be removed or replaced, but must bolt directly to rear trailing arm or swing axle. No remote mounted shocks. Rear trailing arms must remain stock, shape, size and configuration, but may be reinforced by adding material.

SCR10 Shock Absorbers and Bump Stops

Only one shock per wheel is allowed. Stock front shock mounts must be utilized. Shock mounting bolts may be changed to a maximum of 1/2 in diameter. Any manufacture shock allowed with 2.0" maximum outside diameter. Rear shock must not have an extended length longer than 18", center of mounting hole to center of mounting hole. Cooling fins and/or reservoirs allowed. No air shocks or coil over shocks allowed. No hydraulic bump stops allowed. No bypass shocks allowed.

SCR11 Secondary Suspension

No secondary suspension allowed.

SCR12 Wheels and Tires

Any steel 4" x 15" wheel that bolts on a stock VW brake drum may be used. Wheel studs allowed. Any manufacturers tire and size allowed up to 31" tall

and 10" wide as mounted and inflated on a 4" wide rim with 18 lbs of air. Spare tire is mandatory but may be mounted any place within body shell or trunk.

SCR13 Fasteners

STEERING AND BRAKE COMPONENTS

SCR14 Steering

Any manufacturer's steering wheel may be used. Steering box must be stock but shims may be used between pitman arm and box. Steering components such as ball joints, steering arms, and tie rods must remain stock.

SCR15 Brakes

Original VW type 1 drum brakes only on all wheels. Front and rear drums may not be interchanged. Any combination of brake linings allowed as long as stock dimensions are maintained. Any combination of VW master and wheel cylinders are allowed. Emergency brake is optional but if removed the opening must be covered.

ELECTRICAL SYSTEM

SCR16 Ignition

Battery ignition only, no magnetos. Six or twelve volt systems may be used regardless of year model. Any manufacturer's distributor may be used. Any VW type alternator or generator system in the stock location may be used.

SCR 17 Batteries

Battery must be relocated.

SCR18 Lights

Additional lighting is permitted. Headlights are optional for short course only. Stock headlights may be replaced with any brand so long as original mounting position is used. Pre 1967 model headlight lenses may be removed. Tail and stop lights must remain functional. Front and rear turn indicators are optional. Back up lighting may not be directed towards the engine compartment or function in any gear but reverse.

SCR19 Starters

FUEL SYSTEM

SCR20 Fuel

SCR21 Fuel Tanks

Safety fuel cells are required and may be mounted any where and have any capacity. Stock tanks may be used in the stock location. Any type of fuel shut off valve allowed. Stock fuel pump must be used. Electric fuel pump may be used but must be used as a backup and routed thru the stock system.

SCR22 Fuel Lines, Vents, Caps

Fuel fillers may penetrate and extend through hood but must have a drain/catch boot in case of spillage in front compartment. Fuel cell filler may be located in center of tank and have a maximum of a 2.25" internal diameter neck.

ENGINE, TRANSMISSION AND DRIVELINE

SCR23 Engine and Engine Displacement

Engine must utilize VW series type 1, 1600cc, U.S. model sedan components and dimensions. The maximum allowable engine displacement is 1600cc as delivered from the factory

ENGINE CASE

Any VW type 1, 2, 3 or "universal" case is allowed. The following modifications may be made to the stock case:

- (a)The case may be line bored
- (b)The case may be drilled and tapped for oil and temp sending units
- (c)The case may be machined for crank pulley seal
- (d)Case savers may be installed
- (e)Cylinder seating surface may be machined
- (f)Oil galleries may be enlarged to 10mm
- (g) Threaded oil gallery plugs allowed

OIL PUMP

Any oil pump is allowed. No deep sumps, dry sumps, or sump alterations. Windage trays allowed. Any oil bypass piston and spring allowed

FUEL PUMP

Stock fuel pump must be used. Electric fuel pump may be used but must be used as a backup and routed thru the stock system. Any fuel filter and pressure regulators may be used.

PISTONS

Pistons must be stock 3 ring only. Any piston and cyl as long as original stock dimensions are maintained. Any type wrist pin keepers. Piston assemblies may be balanced to the weight in grams of the lightest original non balanced piston, wrist pin, ect

CRANKSHAFT

Crankshaft must be stock VW. Crankshaft may be balanced. Maximum journal size is limited to .030" undersize. No polishing or lightening. No offset grinding allowed. Any gear is allowed. Any engine bearing is allowed as long as stock dimensions are maintained. Power pulleys are allowed. Pulley may be balanced. Sand seals ok. Any VW flywheel may be lightened and balanced. No aluminum flywheels. Any clutch disk and pressure plate but must retain stock VW diameter.

Connecting rods may be balanced to the lightest non balanced rod. No polishing or profiling of rods

HEADS

Heads must be U.S sedan stock single port or dual port or their equivalent. Only dual port heads with the following numbers will be allowed. 040101375 2, 040101375 13, 040101375 19 or stock OEM heads will be allowed. Heads may be fly cut for clean up. No porting or polishing. Stock intake 34mm original equipment center section or its replacement. A 1" by 1.5" long by ½ inch tube may be welded 2 inches below the carb flange. A minimum of material may be removed from the end of the tube for clearance. A 1 5/8 X 2" long slip tube may be welded to the end of the runners for use of better hose connection. End castings must be original equipment VW, with the VW logo and part numbers. Balance slot may be welded closed. Vacuum hole may be plugged. A 34mm to 30mm carb adapter must be used.

CAMSHAFT, LIFTERS, VALVES, ROCKER ARMS

Any camshaft, gear, valve springs, valve spring retainers, and lifters are allowed. Valve spring seat diameter in head must remain stock. Valves must be stock 45 degrees. One piece valve ok. Valve guide may be steel, bronze, or cast iron. No grinding or polishing in the port including valve guide must use stock 1600 rocker arms. The rocker arms may be resurfaced to permit the use of swivel feet. No other grinding or changes may be made to the rocker arms. No roller or needle bearings will be allowed as part of the camshaft or as an interface between the rocker arms and the camshaft. Any push rods and push rod tubes. Any valve adj screws. Clips on rocker arms may be wire tied. Rocker assemblies may be subject to post race inspection.

FAN SHROUD

Must use stock fan shroud. Heater tubes optional.

CARBURETOR

Air cleaner location is optional and may be of any manufacturer. Stock VW carb 30 pict 1, 2, 3 or the solex h-30-pic replacement must be used. Maximum venturi size is 24.10mm. Velocity stacks may be used as long as they are not bonded to the carburetor. No internal modifications are allowed. This includes no removing of parts, no grinding, polishing, or filing. Intake manifolds must be stock. The cutting of manifolds to compensate for head milling is allowed but rewelding will not be allowed. No chemical milling of manifold or carburetor.

Choke housing may be removed. The stock float bowl vent may be plugged and relocated. Any air and main jet may be used

SCR24 Engine Replacement

SCR25 Transmission

Type 1 bug 4 speed transaxle only. Heavy duty side plate and differential allowed. 8.33 ring and pinion only stock gears only no close ratio gears allowed. Axle over tubes are not allowed. Other internal modifications are optional. Rear transaxle mounts may be supported by a maximum of two vertical straps of .025" x 1" dimension. Adjustable straps are optional. Any gearshift lever allowed. Any type 1, 2 or 181 stub axle and any VW cv joint. Oversize bolts ok.

SCR26 Throttles

Stock pedals with no other modifications are allowed.

SCR27 Exhaust

Any exhaust system may be used.

SCR28 Drive Shafts

SCR29 Flywheel Shields

SCR30 Fluid Coolers

Any manufacturer's oil cooler is allowed with the location optional. Full flow systems ok. No deep sumps or dry sump will be allowed. Late model housing approved.

SCR31 Auxiliary Equipment

SCR32 Superchargers and Turbochargers

VEHICLE SAFETY EQUIPMENT

SCR33 Roll Cages

There are no restrictions as to terminal points of the roll cage.

SCR34 Safety Harness

SCR35 Safety Nets

SCR36 Seating

Any manufacturer's seat allowed but must remain in the approximate location. If stock seat mounts are used then they must be reinforced using at least two "u" bolts per seat runner.

GENERAL VEHICLE COMPONENTS

SCR37 Drivers Compartment

Rear seat, upholstered panels, headliner and carpets may be removed. Dash may be covered with metal to install gauges.

SCR38 Doors and Latches

Doors must remain functional and in original stock location. Doors may have original hinges with workable latch. Secondary positive latching devices are mandatory.

SCR39 Firewalls

SCR40 Ballast

SCR41 Weight

SCR42 Floorboards

Serial numbers are required on floor pan. No alterations to floor pan are allowed. Original seams may be rewelded. Undercoating may be removed. 1965 and older belly pans may be interchanged. 1966 or later may be interchanged. All must maintain original suspension type.

SCR43 Bumpers

Original stock bumpers and over riders must be used. Stock VW bumper stiffeners are allowed. Brush guards may be added to stock bumpers.

SCR44 Mirrors

SCR45 Skid Plates

Any type front and rear skid plate may be used. Front skid plate may be attached to front beam using 2 "u" bolts with a maximum width of 1.5" attached to the skid plate. Skid plate may be extended forward and upward to but not above the top of the front bumper.

SCR46 Storage

SCR47 Fenders

Fender lips on the underside may be flattened to prevent cutting of tires. A rod of .025" maximum diameter may be welded under the outside edge for additional strength.

SCR48 Chassis and Body

The vehicle must retain full chassis and body with no modifications allowed. Rear apron may be removable to aid in removing engine. But must retain stock external appearance. Body must be VW type one bug or sun roof bug. No convertibles, ghias, 181 things, variants or super beetles. Running boards may be removed. Front and rear hood latches may be modified or replaced. Hinges must remain stock. Front rear and side glass optional. Chrome strips, outside mirrors, antennas may be removed. A hole no larger than 1 inch in diameter larger than the shock OD may be cut in the rear fender well to allow for the rear shock.

SCR49 Hoses

SCR50 Identification Markings

SCR51 Advertising on Vehicles

SCR52 Workmanship

CLASS 12
OPEN WHEEL – AIR COOLED
SINGLE OR TWO SEAT VEHICLES LIMITED TO AIR COOLED ENGINES

GENERAL REGULATIONS

Entrants in this class shall comply with all applicable general regulations

COMPETITION REGULATIONS

This class is an open class and all components will be considered open unless restricted herein

Note: The SCR abbreviations listed under this class refer to cross reference listings in the front of this book. These cross referenced listings are part of the class rules. Where a conflict occurs between the cross referenced listing and a rule contained under this class, the rule contained under this class has precedence

SAFETY EQUIPMENT

SCR1 Helmets
SCR2 Protective Clothing

SCR3 Eye Protection
SCR4 First Aid Kit
SCR5 Flares
SCR6 Horns
SCR7 Reflectors
SCR8 Fire Extinguisher
SCR9 Survival Supplies

SUSPENSION COMPONENTS

Front suspension

Front suspension is limited to VW type 1 configuration.
Suspension must be of the twin beam, trailing arm type.
Beam is open. This includes width and manufacturer.
Trailing arms are open this includes width length and manufacturer.
Spindles are open.

SCR10 Shock Absorbers and Bump Stops
SCR11 Secondary Suspension
SCR12 Wheels and Tires
SCR13 Fasteners

STEERING AND BRAKE COMPONENTS

SCR14 Steering
SCR15 Brakes

ELECTRICAL SYSTEM

SCR16 Ignition
SCR17 Batteries
SCR18 Lights
SCR19 Starters

FUEL SYSTEM

SCR20 Fuel
SCR21 Fuel Tanks
Safety fuel cells are required

SCR22 Fuel Lines, Vents, Caps

ENGINE, TRANSMISSION AND DRIVELINE

SCR23 Engine and Engine Displacement
Engine must be VW air cooled type and conforms to the following:
(1) it retains a maximum of two valves per cylinder.
(2) Single seat vehicles do not displace more than 1776cc.
(3) Two seat vehicles do not displace more than 1835cc.
(4) All vehicles limited to 1 carb of any type.

- (5) Carb retains a maximum of 2 venturies per cyl.
- (6) Maximum allowable venture size for two valve engines is 42mm.
- (7) Carburetors must be of the automotive type.
- (8) This is a rear engine class only; engine must be located behind rear axle centerline.

SCR24 Engine Replacement
SCR25 Transmission
SCR26 Throttles
SCR27 Exhaust
SCR28 Drive Shafts
SCR29 Flywheel Shields
SCR30 Fluid Coolers
SCR31 Auxiliary Equipment
SCR32 Superchargers and Turbochargers.

VEHICLE SAFETY EQUIPMENT

SCR33 Roll Cages
SCR34 Safety Harness
SCR35 Safety Nets
SCR36 Seating

GENERAL VEHICLE COMPONENTS

SCR37 Drivers Compartment
SCR38 Doors and Latches
SCR39 Firewalls
SCR40 Ballast
SCR41 Weight
Minimum 1500 lbs.
SCR42 Floorboards
SCR43 Bumpers
SCR44 Mirrors
SCR45 Skid Plates
SCR46 Storage
SCR47 Fenders
SCR48 Chassis and Body
SCR49 Hoses
SCR50 Identification Markings
SCR51 Advertising on Vehicles
SCR52 Workmanship

CLASS 13
SPORTSMAN BUGGY
OPEN WHEEL – 1600CC
SINGLE OR TWO SEAT VEHICLES LIMITED TO 1600CC

GENERAL REGULATIONS

Entrants in this class shall comply with all applicable general regulations

COMPETITION REGULATIONS

This class is an open class and all components will be considered open unless restricted herein

Note: The SCR abbreviations listed under this class refer to cross reference listings in the front of this book. These cross referenced listings are part of the class rules. Where a conflict occurs between the cross referenced listing and a rule contained under this class, the rule contained under this class has precedence

SAFETY EQUIPMENT

SCR1 Helmets

SCR2 Protective Clothing
SCR3 Eye Protection
SCR4 First Aid Kit
SCR5 Flares
SCR6 Horns
SCR7 Reflectors
SCR8 Fire Extinguisher
SCR9 Survival Supplies

SUSPENSION COMPONENTS

SCR10 Shock Absorbers and Bump Stops
Any number of shocks but no coilover or air shocks

SCR11 Secondary Suspension
No secondary suspension allowed

SCR12 Wheels and Tires
SCR13 Fasteners

STEERING AND BRAKE COMPONENTS

SCR14 Steering
SCR15 Brakes

ELECTRICAL SYSTEM

SCR16 Ignition
SCR17 Batteries
SCR18 Lights
SCR19 Starters

FUEL SYSTEM

SCR20 Fuel
SCR21 Fuel Tanks
Safety fuel cells are required

SCR22 Fuel Lines, Vents, Caps

ENGINE, TRANSMISSION AND DRIVELINE

This is a claimer class. Any finisher in the top five can claim the winner's engine by putting up \$800.00 in cash in the allotted protest time. The first place finisher has to release his rights to his engine to the claimer. The engine in this case will be the long block. Sheet metal, fan housing, carburetor, generator/alternator, distributor, intake manifold, exhaust, etc are not included. The protest time will be one hour after the last car crosses the finish line. There must be a **SNORE**

official present at the time of the protest. **SNORE** will not be responsible for the condition of the engine in any form. The engine will be bought as is

SCR23 Engine and Engine Displacement

VW type engine only with a maximum displacement of 1600cc. Dual port heads allowed. Any internal modification allowed. Limited to one carb of any make. All other modifications ok

SCR24 Engine Replacement

SCR25 Transmission

SCR26 Throttles

SCR27 Exhaust

SCR28 Drive Shafts

SCR29 Flywheel Shields

SCR30 Fluid Coolers

SCR31 Auxiliary Equipment

SCR32 Superchargers and Turbochargers

VEHICLE SAFETY EQUIPMENT

SCR33 Roll Cages

SCR34 Safety Harness

SCR35 Safety Nets

SCR36 Seating

GENERAL VEHICLE COMPONENTS

SCR37 Drivers Compartment

SCR38 Doors and Latches

SCR39 Firewalls

SCR40 Ballast

SCR41 Weight

SCR42 Floorboards

SCR43 Bumpers

SCR44 Mirrors

SCR45 Skid Plates

SCR46 Storage

SCR47 Fenders

SCR48 Chassis and Body

SCR49 Hoses

SCR50 Identification Markings

SCR51 Advertising on Vehicles

SCR52 Workmanship

CLASS 15
UNLIMITED SPORTSMAN BUGGY
OPEN WHEEL
SINGLE OR TWO SEAT VEHICLES

GENERAL REGULATIONS

Entrants in this class shall comply with all applicable general regulations

COMPETITION REGULATIONS

This class is an open class and all components will be considered open unless restricted herein

Note: The SCR abbreviations listed under this class refer to cross reference listings in the front of this book. These cross referenced listings are part of the class rules. Where a conflict occurs between the cross referenced listing and a rule contained under this class, the rule contained under this class has precedence

SAFETY EQUIPMENT

SCR1 Helmets

SCR2 Protective Clothing
SCR3 Eye Protection
SCR4 First Aid Kit
SCR5 Flares
SCR6 Horns
SCR7 Reflectors
SCR8 Fire Extinguisher
SCR9 Survival Supplies

SUSPENSION COMPONENTS

SCR10 Shock Absorbers and Bump Stops
SCR11 Secondary Suspension
SCR12 Wheels and Tires
SCR13 Fasteners

STEERING AND BRAKE COMPONENTS

SCR14 Steering
SCR15 Brakes

ELECTRICAL SYSTEM

SCR16 Ignition
SCR17 Batteries
SCR18 Lights
SCR19 Starters

FUEL SYSTEM

SCR20 Fuel
SCR21 Fuel Tanks
Safety fuel cells are required

SCR22 Fuel Lines, Vents, Caps

ENGINE, TRANSMISSION AND DRIVELINE

SCR23 Engine and Engine Displacement
SCR24 Engine Replacement
SCR25 Transmission
SCR26 Throttles
SCR27 Exhaust
SCR28 Drive Shafts
SCR29 Flywheel Shields
SCR30 Fluid Coolers
SCR31 Auxiliary Equipment
SCR32 Superchargers and Turbochargers

VEHICLE SAFETY EQUIPMENT

SCR33 Roll Cages
SCR34 Safety Harness
SCR35 Safety Nets
SCR36 Seating

GENERAL VEHICLE COMPONENTS

SCR37 Drivers Compartment
SCR38 Doors and Latches
SCR39 Firewalls
SCR40 Ballast
SCR41 Weight
SCR42 Floorboards
SCR43 Bumpers
SCR44 Mirrors
SCR45 Skid Plates
SCR46 Storage
SCR47 Fenders
SCR48 Chassis and Body
SCR49 Hoses
SCR50 Identification Markings
SCR51 Advertising on Vehicles
SCR52 Workmanship

CLASS 1450

SPORTSMAN TRUCK

PRODUCTION MINI OR FULL SIZE TRUCK

THIS CLASS IS OPEN TO ANY FULL OR MINI TRUCK WITH ALL THE SAFETY EQUIPMENT. THIS IS A RUN WHAT YOU BRUNG CLASS

GENERAL REGULATIONS

Entrants in this class shall comply with all applicable general regulations

COMPETITION REGULATIONS

This class is an open class and all components will be considered open unless restricted herein

Note: The SCR abbreviations listed under this class refer to cross reference listings in the front of this book. These cross referenced listings are part of the class rules. Where a conflict occurs between the cross referenced listing and a rule contained under this class, the rule contained under this class has precedence

SAFETY EQUIPMENT

SCR1 Helmets
SCR2 Protective Clothing
SCR3 Eye Protection
SCR4 First Aid Kit
SCR5 Flares
SCR6 Horns
SCR7 Reflectors
SCR8 Fire Extinguisher
SCR9 Survival Supplies

SUSPENSION COMPONENTS

SCR10 Shock Absorbers and Bump Stops
SCR11 Secondary Suspension
SCR12 Wheels and Tires
SCR13 Fasteners

STEERING AND BRAKE COMPONENTS

SCR14 Steering
SCR15 Brakes

ELECTRICAL SYSTEM

SCR16 Ignition
SCR17 Batteries
SCR18 Lights
SCR19 Starters

FUEL SYSTEM

SCR20 Fuel
SCR21 Fuel Tanks
Safety fuel cells are required

SCR22 Fuel Lines, Vents, Caps

ENGINE, TRANSMISSION AND DRIVELINE

SCR23 Engine and Engine Displacement
Engine, transmission, and rear end are OPEN with no limitations.
Forced Induction is allowed

SCR24 Engine Replacement
SCR25 Transmission
SCR26 Throttles
SCR27 Exhaust
SCR28 Drive Shafts
SCR29 Flywheel Shields

SCR30 Fluid Coolers
SCR31 Auxiliary Equipment
SCR32 Superchargers and Turbochargers

VEHICLE SAFETY EQUIPMENT

SCR33 Roll Cages
SCR34 Safety Harness
SCR35 Safety Nets
SCR36 Seating

GENERAL VEHICLE COMPONENTS

SCR37 Drivers Compartment
SCR38 Doors and Latches

The doors of the vehicle must be made of the same material as delivered by manufacturer of original product. This includes but is not limited to the door shell. The door must attach and function on the factory latch and hinges as delivered from manufacturer. Inside and outside handles must remain, allowing door to be opened from the inside and outside of the vehicle. Material may be removed from inside of door to make room for roll cage but is not to interfere with latch mechanism or door hinges. Door internals may be removed such as regulators, windows and window tracks. Secondary door latch is required

SCR39 Firewalls

The firewall, floor and rear wall of the cab may be modified to allow room for drive train, suspension components or seats but must be of metal construction

SCR40 Ballast
SCR41 Weight
SCR42 Floorboards
SCR43 Bumpers
SCR44 Mirrors
SCR45 Skid Plates
SCR46 Storage
SCR47 Fenders

SCR48 Chassis and Body

Cab of the vehicle must be made of material "as delivered" by the original manufacturer that produced the vehicle. This includes but it is not limited to the sides of the cab and roof which also must be one piece as delivered by manufacturer. Fiberglass cabs are NOT allowed. Sectioned, removable, or multiple piece cabs are NOT allowed. Material may be removed from inside of cab to allow room for roll cage but may not be removed to the extent that it causes the cab to become multiple pieces, or renders the cab removable. The

cab must remain attached to the vehicle in the same fashion as it was by manufacturer. Windshield is optional

SCR49 Hoses

SCR50 Identification Markings

SCR51 Advertising on Vehicles

SCR52 Workmanship

CLASS CHAMP
CLASS 18
OPEN WHEEL – 1585CC LIMITED TO 120” WHEEL BASE
SINGLE OR TWO SEAT VEHICLES LIMITED TO 1585CC

GENERAL REGULATIONS

Entrants in this class shall comply with all applicable general regulations

COMPETITION REGULATIONS

All parts called out for this class shall remain in their stock shape, size, and configuration unless otherwise stated herein

Note: The SCR abbreviations listed under this class refer to cross reference listings in the front of this book. These cross referenced listings are part of the class rules. Where a conflict occurs between the cross referenced listing and a rule contained under this class, the rule contained under this class has precedence. All rules for this class will be in effect for three years.

SAFETY EQUIPMENT

SCR1 Helmets
SCR2 Protective Clothing
SCR3 Eye Protection
SCR4 First Aid Kit
SCR5 Flares
SCR6 Horns
SCR7 Reflectors
SCR8 Fire Extinguisher
SCR9 Survival Supplies

SUSPENSION COMPONENTS

FRONT SUSPENSION

Front suspension is based on the VW type 1 ball joint or king and link pin style suspension. Any beam of two steel torsion tubes may be used but must retain stock width. Front axle torsion tube centers may be cut. Rotated and welded. Use of torsion adjusters is optional. Any manufacturer torsion bars are permitted. Tube center spacing must be stock. Front trailing arms may be reinforced or replaced as long as stock VW width and length is retained. Spindles, link pins, ball joints are open. Front suspension track width must not exceed stock VW track width. Suspension limiters are permitted. One 8 inch shock with reservoir mounted in stock location

REAR SUSPENSION

Rear suspension is based on VW type 1 IRS or swing axle. Rear trailing arms may be of any manufacturer. Tubular arms are permitted as long as stock IRS swing arm length is retained plus or minus 1 inch. The stock VW dimension between the center line of the rear axle to the center line of the rear torsion housing is 16.25 inches plus or minus 1 inch must be retained. Any axle assemblies are permitted as long as original VW type suspension is retained. No gun drilled axles. Rear torsion tubes may be supported or replaced but must remain steel and retain stock VW width. Torsion adjusters are permitted. A single torsion per wheel of any manufacturer is permitted. Torsion bars must remain inside the torsion housing. Torsion bars must be connected to the trailing arm with steel spring plates of any manufacture. Two 12 inch 2.0 shocks per wheel with reservoirs. No bypass or sleeved shocks front or rear. Max cv is 24 degrees at full droop.

Rear suspension track width must not exceed a maximum of 51" as measured from backing plate flange to backing plate flange.

SCR10 Shock Absorbers and Bump Stops

One 8 inch front per wheel, two 12 inch rear per wheel, size are 2 inch. Cooling fins are not permitted. Air or coil over shocks are not permitted. No 7/8 shafts. No 14" cans or 10" cans allowed

SCR11 Secondary Suspension

Secondary suspension is not permitted. No coil over or air shocks

SCR12 Wheels and Tires

Any tire combination is permitted that will mount directly on VW drums. Wheel adapters are not permitted. Wheels are open. 16" tires and rims are allowed

SCR13 Fasteners

STEERING AND BRAKE COMPONENTS

SCR14 Steering

Steering system is open. No power steering. Any tie rod and tie rod end permitted. Heim ends ok

SCR15 Brakes

May use any stock type 1, Thing or type 3 drums, must be steel. Steering or turning brakes are permitted. Any master cylinder combination allowed

ELECTRICAL SYSTEM

SCR16 Ignition

Battery ignition only. No magnetos permitted. Any distributor may be used. Comp-u-fire module ok. Any VW type alternator with 60 amp max or generator in the stock location may be used. 6 or 12 volt system may be used

SCR17 Batteries

Batteries must be auto type, no gel cells

SCR18 Lights

Rearward facing amber light and tail lights are mandatory. Headlights are not required unless the race will be run in the dark or the race should finish in the dark. No HID lights

SCR19 Starters

Stock VW starters only

FUEL SYSTEM

SCR20 Fuel

Must run unleaded pump gas

SCR21 Fuel Tanks

Safety fuel cells are required

SCR22 Fuel Lines, Vents, Caps

ENGINE, TRANSMISSION AND DRIVELINE

This is a claimer class. Any finisher in the top five can claim the winner's engine by putting up \$800.00 in cash in the allotted protest time. The first place finisher has to release his rights to his engine to the claimer. The engine in this case will be the long block. Sheet metal, fan housing, carburetor, intake manifold, generator/alternator, distributor, and exhaust are not included. The protest time will be one hour after the last car crosses the finish line. There must be a **SNORE** official present at the time of the protest. **SNORE** will not be responsible for the condition of the engine in any way. The engine will be bought as is.

SCR23 Engine and Engine Displacement

Engine must utilize VW series type 1, 1585cc; US sedan components and dimensions. The maximum allowable engine displacement is 1585cc as factory delivered

ENGINE CASE

Any VW type 1, 2, 3 or "universal" case is permitted. No aluminum case. The following stock case modifications are permitted:

- (A) May be line bored
- (B) May be machined for crank pulley seal
- (C) Installation of case savers
- (D) Cylinder seating surface may be machined
- (E) Oil galleries may be enlarged to 10mm
- (F) Threaded oil gallery plugs permitted

OIL PUMP

Any oil pump is permitted. Deep sumps, dry sumps or sump alterations are not permitted. Windage trays are permitted. Any oil bypass piston and spring permitted. Full flow ok

FUEL PUMP

Any combination of stock fuel pump or electric pump may be used. Any fuel filter and pressure regulator may be used

PISTONS

Stock 3 ring pistons only. Any piston and cylinders as long as original stock dimensions are maintained. Any type wrist pin keepers. Piston assemblies may be balanced to the weight in grams of the lightest original non-balanced piston assembly

CONNECTING RODS

Balanced weight of the connecting rods in grams there will be of the four (4) rods one (1) untouched big end and one (1) untouched small end. There is no polishing or lightening of the rods.

CRANKSHAFT

Stock VW crankshaft only. No offset grinding. Crankshaft may be balanced. Maximum journal size is limited to (.030) undersize. No polishing or lightening. Any engine bearing is permitted as long as stock dimensions are maintained. Power pulleys are permitted. Pulley may be balanced. Sand seals are permitted. Any VW flywheel may be lightened and balanced. No aluminum flywheels. Any clutch disk and pressure plate but must retain stock VW diameter. Connecting rods may be balanced to the lightest non-balanced rod. No polishing or profiling of rods. Eight dowel flywheels are permitted with any gland nut and washer

HEADS

U.S. sedan stock dual port heads only. Heads may be fly cut for clean up only. No porting or polishing. 8.5 to 1 compression

CAMSHAFT, LIFTERS, VALVES, ROCKER ARMS

Any camshaft, any valve springs, any valve spring retainers, and any lifters allowed. Aluminum gears only. Valve spring seat diameter in head must remain stock. Valves must be stock 45 degrees. One piece valves are permitted. Valve guide may be steel, bronze or cast iron. No grinding or polishing in the port including valve guides. Must use stock 1600 rocker arms. Any swivel feet, any rocker shafts. No changes may be made to the rocker arms. Roller or needle bearings will not be permitted as part of the camshaft or as an interface between the rocker arms and the camshaft. Any push rods except no graphite push rods, any push rod tube. Any valve cover, breather tubes ok

FAN SHROUD

Stock fan shrouds. Aftermarket 36 h/p with doghouse cooler ok. Heater tubes are optional. Cutting of tin is ok

CARBURETOR

Must use stock VW. Carburetor 30 pict 1, 2, 3. Maximum venturi size is 24.10mm. Velocity stacks may be used but cannot be welded or bonded to the carburetor. Internal modifications are not permitted. This includes no removing of parts, no grinding, polishing or filing. Intake manifolds must be stock or its replacement. No chemical milling of manifold or carburetor. Choke housing, choke plate and shaft may be removed. The stock float bowl vent may be plugged and relocated. Any air and main jet may be used. Carb adapters are ok

SCR24 Engine Replacement

SCR25 Transmission

Must be stock VW type 1 or 2 transaxle housing with no internal modifications. A maximum of four forward gears. Only VW helical cut gears may be used. Any manufacturers 1st and 2nd main shaft as long as stock ratio is used. and any 3rd and 4th gear ratio combinations permitted. Aftermarket side covers are permitted. Hydraulic clutch permitted

SCR26 Throttles

SCR27 Exhaust

SCR28 Drive Shafts

No gun drilled axles. Any CV joint with a maximum angle of 24 degrees as measured at full droop. No lightened CV joints

SCR29 Flywheel Shields

SCR30 Fluid Coolers

Any oil cooler and location permitted. Full flow systems are permitted. Deep or dry sump systems are not permitted

SCR31 Auxiliary Equipment

SCR32 Superchargers and Turbochargers

VEHICLE SAFETY EQUIPMENT

SCR33 Roll Cages

SCR34 Safety Harness

SCR35 Safety Nets

SCR36 Seating

GENERAL VEHICLE COMPONENTS

SCR37 Drivers Compartment

SCR39 Firewalls

SCR40 Ballast

SCR41 Weight

Weight will be dry weight with all tools, spare parts, and spare tire removed but weighed with driver and co-driver...1750lbs @ 100" and any wheelbase over 100" will add 10lbs per inch max 120".

SCR42 Floorboards
SCR43 Bumpers
SCR44 Mirrors
SCR45 Skid Plates
SCR46 Storage
SCR47 Fenders
SCR48 Chassis and Body
SCR49 Hoses
SCR50 Identification Markings
SCR51 Advertising on Vehicles
SCR52 Workmanship

**STOCK FULL PRODUCTION
FULL SIZE UTILITY VEHICLES
VEHICLES BUILT FROM A FULL-SIZED TWO OR FOUR WHEEL DRIVED
SUV OR UTILITY VEHICLE. VEHICLES MUST HAVE BEEN SERIES
PRODUCED IN QUANTITIES NO LESS THAN 5,000 UNITS IN A ONE YEAR
PERIOD AND AVAILABLE TO THE GENERAL PUBLIC IN THE USA. SUCH
VEHICLES MUST HAVE BEEN MARKED AS A FULL SIZE VEHICLE**

GENERAL REGULATIONS

Entrants in this class shall comply with all applicable general regulations

COMPETITION REGULATIONS

All parts called out for this class shall remain in their stock shape, size, and configuration unless otherwise stated herein

Note: The SCR abbreviations listed under this class refer to cross reference listings in the front of this book. These cross referenced listings are part of the class rules. Where a conflict occurs between the cross referenced listing and a rule contained under this class, the rule contained under this class has precedence. All rules for this class will be in effect for three years.

SAFETY EQUIPMENT

SCR1 Helmets
SCR2 Protective Clothing
SCR3 Eye Protection
SCR4 First Aid Kit
SCR5 Flares
SCR6 Horns
SCR7 Reflectors
SCR8 Fire Extinguisher
SCR9 Survival Supplies

SUSPENSION COMPONENTS

Front and rear suspension must be of the same manufacturer, size, shape and configuration as in original production and installed on the chassis to which it is mounted. All suspension components must remain in the original stock location and mounting methods must remain in the stock location. All components will be original manufactures design and must be delivered from the manufacture as a stock product. Front axles, lbeams and A-arms must remain stock as delivered. Stock pivot points must be retained. All springs must remain in stock location and retain original concept (torsion, leaf, coil). Rates and capacities are open. Body lift kits up to 3 inches max. are allowed. Riser blocks that are used on the rear of the vehicle must be of a solid material.

SCR10 Shock Absorbers and Bump Stops

Two shocks per wheel max. Stock location optional, no air shocks, no remote mounted shocks

SCR11 Secondary Suspension

Secondary suspension is not permitted

SCR12 Wheels and Tires

Any tire/wheel combination is allowed

SCR13 Fasteners

STEERING AND BRAKE COMPONENTS

SCR14 Steering

Steering box must remain stock as delivered from the manufacturer. Box mounting may be reinforced but must remain in stock location. Steering parts must remain stock as delivered. Any manufacturer's steering wheel can be used.

SCR15 Brakes

Steering or turning brakes are not allowed

ELECTRICAL SYSTEM

SCR16 Ignition

Must remain stock as delivered from the manufacturer. Aftermarket wires and spark plugs are allowed

SCR17 Batteries

Any manufacturer's battery may be used, may be relocated. Additional reinforcement required if battery is in stock location

SCR18 Lights

Any manufacturer's light may be used. Stock head light openings must be retained

SCR19 Starters

FUEL SYSTEM

SCR20 Fuel

SCR21 Fuel Tanks

Safety fuel cells are required. Location is optional

SCR22 Fuel Lines, Vents, Caps

ENGINE, TRANSMISSION AND DRIVELINE

SCR23 Engine and Engine Displacement

Any engine may be used as long as it is listed and delivered by manufacturer. Stock block and heads as delivered must be used, may be modified. Internal parts are open. Engine stock location must remain as delivered. Exhaust is open. Smog equipment may be removed. Any single four barrel carburetor is allowed. Stock fuel injection may be used. Intake manifolds and air cleaners are open. Cutting of hood for air cleaner clearance is not allowed

SCR24 Engine Replacement

SCR25 Transmission

Any transmission may be used as long as it was listed and delivered from vehicle manufacturer.

DIFFERENTIAL

Front and rear differential must remain stock with exceptions of gear ratio and carriers. Strengthening material may be added. Knock off hubs are not permitted

SCR26 Throttles

SCR27 Exhaust

SCR28 Drive Shafts

SCR29 Flywheel Shields

SCR30 Fluid Coolers

SCR31 Auxiliary Equipment

SCR32 Superchargers and Turbochargers

VEHICLE SAFETY EQUIPMENT

SCR33 Roll Cages

SCR34 Safety Harness

SCR35 Safety Nets

SCR36 Seating

Seats must remain in stock location, additional bracing of seats is mandatory. Seat manufacturer is open

GENERAL VEHICLE COMPONENTS

SCR37 Drivers Compartment

Dash must remain stock. Items may be removed that could fall out during competition. Aftermarket gauges are allowed. Heat and A/C may be removed. Interior upholstery may be removed

SCR38 Doors and Latches

Doors must remain stock as delivered and operate on stock hinges. Secondary door latches are mandatory

SCR39 Firewalls

SCR40 Ballast

SCR41 Weight

Vehicle must retain minimum weight as delivered stock

SCR42 Floorboards

SCR43 Bumpers

Stock bumpers must remain

SCR44 Mirrors

SCR45 Skid Plates

SCR46 Storage

SCR47 Fenders

Fenders and wheel openings may be enlarged for tire clearance, not to exceed 2 inches. Front inner fender panels may be modified to a min. for front stock installation. Aftermarket fender flares are permitted

SCR48 Chassis and Body

Manufacturer's specified year body and chassis combination must be retained.

CHASSIS

Wheelbase must remain original. Stock configuration of frame must remain. No narrowing or lengthening of frame is permitted. Material removal is not allowed.

BODY

Original shape of body must remain as delivered in configuration and appearance. Additional material for body strengthening may be added. The measurement from the center line of the front spindle to the back of the b-pillar post needs to be remain stock. Pick-up bed floors must remain intact. Trunk lids, doors, hoods, bed sides must remain stock as delivered. Tail gates are optional. Stock grille assemblies must remain. Windshield, side and rear glass are optional

SCR49 Hoses

SCR50 Identification Markings

SCR51 Advertising on Vehicles

SCR52 Workmanship