



**OFFICIAL**

**RULE BOOK**

**2024**

*It is the full responsibility of the entrants, drivers, owners, and sponsors to meet all SNORE rules and regulations. Failure to do so shall be reason for penalty, disqualification and/or suspension at the discretion of the Race Steward.*

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# SNORE 2024 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 compiled 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, 2019 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 2019 **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, in good standing.

**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. The driver of record must be at the event.

**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 2019 rule book.

**CHECKPOINT 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

**SGL:** 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 ½ 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. All minors racing in the **SNORE** series must wear approved head and neck restraint.

### 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. Roll call may be taken.

### 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 Steward or a **SNORE** official shall remove or relocate course markings. This is ground for disqualification.

SGE10

All Drivers/ Co-Driver changes during an event must be performed in a SNORE approved pit location. *Example: Main Pit, Hot Pits, Pit A, B, C, etc.*

### **DISQUALIFICATION**

SGD1

**Drinking of intoxicating beverages in the pits or on the racecourse 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 before mentioned 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. Absolutely no passing at start finish all vehicles must pass thru S/F at a safe speed and single file.

### 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. The registration must include aircraft tail number, pilot name and license number, and the frequency the aircraft will be using for radio support. 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 60 minutes before the race is over. Protests considered by the Race Steward to be unsportsmanlike may not be accepted. In non-technical protests 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.

**30 days after the points are posted after each event, they are official, and no protests will be accepted or changes made.**

## 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).  
Class 1900 and class 3000 must always compete with one driver and co-driver.  
Class 1900 want to race as a single seat then must remove the passenger seat.

All classes may remove the passenger seat to race as a single seat *EXCEPT* 5/1600 and Stock Bug (5/1600 and Stock Bug must ALWAYS race with two seats).

QUALIFYING: During our qualifying races, if you qualify with one seat you must compete the entire event or weekend with only one seat. If you qualify with two seats, you must compete the entire event or weekend with two seats. (Medical/personal exceptions must be brought to the Race Director and decisions are under Race Directors discretion.)

Classes 1, Unlimited truck, 3, 4, 5, 7, 7S, 7 4x4, 8, 1450 and 2000 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 for the event.

### 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.

### 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 event 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.  
**The driver of record must be at the event**





## PITS

### SGPT1

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

### 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 racecourse 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 racecourse.

### 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 be at least 100 feet from the edge of the racecourse. 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 the following: **SNELL SA2015 OR NEWER**. 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).

#### SCR1 (a) Head and neck restraints

**SNORE approved head and neck restraints are mandatory** and must be worn by all occupants competing in a **SNORE** event and will be checked at tech must be recertified after 5 years.

#### SCR2 Protective Clothing

**All Drivers/ Co-Drivers fire suits must be 3.2a/5 SFI rated or higher**. Fire suits are mandatory. They must cover from the neck to the ankles. Suits cannot have any holes and must be a one piece only.

***\*All Drivers/ Co-Drivers MUST adhere to the 3.2a/5 SFI rated suit or higher by July 1, 2019.***

**It is highly recommended that all Drivers/ Co-Drivers wear 3.3a/5 gloves, socks, shoes, and a bklava.**

#### 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 always carried in each vehicle 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.

SCR7 Reflectors

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

SCR8 Fire Extinguisher

Each vehicle must carry **(2)** 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. **(1) 2.5 pound extinguisher will be mounted inside the vehicle and (1) 2.5 pound extinguisher will be mounted on the outside of the vehicle that is easily accessible from the outside of the vehicle. Must use a quick type mount.**

SCR9 Survival Supplies

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

**All vehicles must carry an approved tow strap and will be checked at tech.**

## 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, haga 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 or lock nut.

### 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 taillights. Taillights 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. LED lights are ok as long as they are the proper size. LED lights must be at least 6" long and 2" high.

All vehicles in Classes 3, 4, 5-1600, 6, 7S, Mini Metal, 9, 13, 15, 1450, 18, 3000 and Stock Bug must run a **three-inch (3") diameter Blue or green 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 or E-85 that meets EPA regulations for HWY fuel and contains NO lead. Can be used in production engine and low compression classes.
- (B) Racing fuel that contains lead and a maximum of 3.5% oxygenated sold for racing only.
- (C) Commercial aviation gas
- (D) Natural or propane gas

No alcohol, nitro methane or nitrous oxide is allowed.

### 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. The container must be securely fastened to the frame or floor with bolts and/or steel straps.

### 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 and it must be routed up to top of roll cage then over to the opposite side of the roll cage then down to the floor and out the bottom. All fuel fillers must be surrounded at the outer extremity with a splash shield. A body panel is acceptable as a splash shield. **All fuel lines breather lines and filler lines must have hose clamps.**

## 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 override 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 or muffler is acceptable.

### 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 sema-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, alternator, 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 except for Unlimited Truck, Class 1, and 7200. Diesel engines in stock classes which utilize stock turbochargers may be approved on an individual basis.

## 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 DOM** or **4130 chromoly** for roll cage structures are as follows:

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

## 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 must be the same size tubing as the roll cage.**
- 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. All 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 3-inch heavy duty type five-point fast release lever type or cam lock type must be lever type 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 and must be readable or they must be replaced. All belts must be changed after three years of date.** All belt hardware must be safety tied or cotter keyed. **2-inch shoulder harness is allowed only if you are using an approved head and neck restraint. Single "D" rings allowed.**

#### 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.

**ADDITIONALLY:** All auto transmission front engine vehicles must have .083 chromoly or .120 aluminum scatter shield covering the top of the bell housing protecting drivers and co-drivers or use SFI rated bell housing. **\*All Drivers/ Co-Drivers MUST adhere to Rule by July 1, 2019.**

**ADDITIONALLY:** All vehicles with stock cab/floor must cover trans hump with .063 aluminum plating if not auto trans. **\*All Drivers/ Co-Drivers MUST adhere to Rule by July 1, 2019.**

### SCR38 Doors and Latches

All vehicles with operable doors, 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 if the nets are attached to the door.

### 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 driver's 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 1/4" inch bolts per side. It must cover the entire area from front to back and from side to side. No dzus fasteners.

### 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 oil lines must be hoses clamped.**

#### SCR50 Identification markings

All vehicles must be identified with the correct vehicle number(s) for that class.

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.

Background or number plates shall be clearly distinguishable from the color of the vehicle. Background or number plates shall be either vinyl or paint.

**Any combination of numbers that, in the opinion of SNORE, are difficult to read, in an undesirable location or are inadequately attached will be rejected. The violation must be corrected before the vehicle will be allowed to compete.**

**SNORE** assumes no responsibility for scoring vehicles that have unrecognizable identification numbers. It is the driver of records responsibility to keep numbers recognizable at all times during the event.

Each vehicle in competition must run a **SNORE** sticker on each side of their vehicle. **And no other race promoter's sticker will be allowed. Any other race promoter's sticker must be removed or covered up during the event. This will be at the discretion of the race director.**

#### 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**.

## SCR53 Lights

It is recommended that All vehicles use 10" Lights, forward-facing during Day Light/ Day Time Races.

## VEHICLE NUMBERING SYSTEM

<b>Class</b>	<b>Numbers</b>
Unlimited Truck	01-99
1	100-199
2 (Nostalgia)	200-299
3	300-399
1450 Pro (Link)	400- 499
5 Unlimited	500-549
5/1600	550-599
6 Sportsman Truck	600-699
Mini Metal	700-799
Heavy Metal	800-899
9	900-999
10	1000-1099
Stock Bug	1100-1199
12	1200-1299
13 Sportsman Buggy	1300-1399
1450 Sportsman (Link)	1400-1499
15 Unlimited Sportsman Buggy	1500-1599
½ 1600	1600-1699
18 Champ	1800-1899
1900 (SXS) Limited	1900-1999
2000 Sportsman (Leaf Spring)	2000-2099
2900 (SXS) Unlimited	2900-2999
3000	3000-3099
3900 (SXS) Sportsman	3900-3999
Ultra 4	4400-4499
Ultra 4 Sportsman	4500-4599
Trophy Light	6000-6099
6100	6100-6199
7S	7100-7199
7200	7200-7299
8	8000-8099
Stock Full	8100-8199
VORE	VC01-VC30

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

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**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  
    Any size tires are allowed.  
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  
Forced induction (Superchargers and turbochargers) are allowed.

## **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**

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**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. IRS only.

**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  
Forced induction (Superchargers and turbochargers) are allowed.

## **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**

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**GENERAL REGULATIONS**

Entrants in this class shall comply with all applicable general regulations

**COMPETITION REGULATIONS**

This is a restricted class, and all parts shall remain stock unless otherwise noted in the 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**

**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. Stock type sway bar is ok. Mounted in the 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 allowed as long as stock VW IRS swing arm length is retained plus or minus 1 inch. Any type of pivot ok. 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 1 alternator or generator in the stock location may be used and must be a working charging system.

**No crank fired ignitions allowed.**

### 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
- (H) Oil squirters allowed
- (I) Case may be full flowed.
- (J) Gussets are 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. No accusump systems 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. Any manufacture piston rings allowed.

### **CONNECTING RODS**

Any VW aftermarket connecting rod is allowed as long as the maximum length is 5.4". connecting rod weight is 500 gram minimum with one (1) rod untouched. No polishing or profiling of 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. Crank may be offset to a maximum of 69.5mm.

## **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 autolenia heads or stock OEM heads will be allowed. The MOFOCO replacement heads with part # (mfc-cch040) 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

## **CAMSHAFT, LIFTERS, VALVES, ROCKER ARMS**

Any camshaft, gear, valve spring retainers, lifters are allowed. Beehive springs allowed, Valve spring seat diameter in head must remain stock. May use any valve but must be stock 45 degrees and stock dimensions and 8mm stem size. **no titanium valves allowed**. Valve guide may be steel, bronze, or cast iron. No grinding or polishing in the port including valve guide. Must use stock VW 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 VW 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. A 34mm to 30mm carb adapter must be used.

## **RESTRICTOR PLATES**

Single seat restrictor plates are 24mm

Two seat restrictor plates are 27mm



### **Low compression engine option**

1600cc maximum displacement and 8 to 1 compression ratio, must use same heads as high compression engine with same valve size and no porting at all. Stock VW end castings with VW part numbers must be used, no polishing allowed. An EMPI or WEBER 40 or 44 idf carb may be used and tube style intake manifold, No Plenum Manifolds allowed. Must use a maximum 25mm venturi for two seat and a maximum 24mm venturi for single seat. **This is a pump gas only engine option with a maximum of 91 octane.**

SCR24 Engine Replacement

SCR25 Transmission

**Must be stock VW type 1 or 2 transaxle housing with internal modifications only.** No more than four (4) forward speeds are allowed. Any internal modifications allowed. Any gear ratio combinations allowed but only VW type gears (helical cut gears) may be used. Must have a working reverse gear. Any shifter allowed.

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 or accusumps.

SCR31 Auxiliary Equipment

SCR32 Superchargers and Turbochargers

### **VEHICLE SAFETY EQUIPMENT**

SCR33 Roll Cages

SCR34 Safety Harness

SCR35 Safety Nets

Safety nets must be attached at all times during the event.

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  
    Wheelbase 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**

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**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  
Official Rule Book

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  
A generator, alternator, and a complete functional electrical system must be hooked up and working at all times.  
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 WHEELBASE 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**

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#### **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 wheelbase 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 WHEELBASE SIX CYLINDER OR LESS POWERED CHASSIS**

Original wheelbase 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**  
**CLASS 1450 PRO**  
**TRUCK (LINK)**  
**PRODUCTION MINI OR FULL-SIZE TRUCK**  
**THIS CLASS IS OPEN TO ANY FULL OR MINI TRUCK WITH ALL THE SAFETY**  
**EQUIPMENT**  
**STEEL CAB AND DOORS**

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**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.  
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  
Forced Induction is allowed

## **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  
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

Material may be removed from inside of cab to allow room for roll cage.

**Must use steel cab and steel working doors on stock hinges!**

SCR49 Hoses

SCR50 Identification Markings

Numbers must be black on white or white on black.

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 PORSCHE'S AND KARMANN GHIA'S**  
**ARE INCLUDED IN THIS CLASS**

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**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 wheelbase limit is not exceeded. Stock concept suspension may be substituted for an open trailing arm type suspension but wheelbase 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.

### **Production engines**

Any manufacturer production 4-cylinder water cooled engine 2.5 liters or less is allowed.

Must retain OEM cast head.

Must retain OEM cast block.

No forced induction allowed.

(Production engines defined as an engine that was sold in quantities exceeding 10,000 units or more and available to the general public)

**All production engines will be inspected by approved SNORE engine inspectors to verify that it is in fact 2.5 liters or less and have cast heads and cast block.**

**Wiks racing engines, Major performance racing engines, Leonard Perez mailman motors.**

### 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  
Forced induction is not allowed.

### 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

Front and rear fenders must be used,  
**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. Wheelbase 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**

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**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 will be measured from wheel mounting face to wheel mounting face and the maximum width is 55.75 inches.

## **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.

IRS trailing arms may be modified or replaced as long as stock measurement is 16.250 plus or minus 1 inch as measured from center of torsion to center of axle. any manufacturers axle assemblies are allowed as long as VW type suspension is retained, this includes the use of micro stub hubs.

Rear shock tower may be removed to body mounting bolt hole only. Torsion adjusters are allowed. Original wheelbase 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 58.250 inches 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. May convert existing swing axle suspension to IRS by welding in any manufacturers pivot boxes to torsion housing in stock location while maintaining stock geometry.

### **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. No hydraulic bump stops 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
- (H) Oil squirters allowed
- (I) Case may be full flowed

### **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. no accusump systems 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 of wrist pin keepers. Piston assemblies may be balanced to the weight in grams of the lightest original non balanced piston, wrist pin, ect, total seal rings are ok.

### **CONNECTING RODS**

Any VW aftermarket connecting rod is allowed as long as the rods are stock VW length (5.393) and stock weight with a 500-gram minimum with one (1) rod untouched. No polishing or profiling of 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. 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. May be offset to 69.5mm.

## 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 autolenia heads or stock OEM heads will be allowed. The MOFOCO replacement heads with a part# (mfc-cch040) 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

## 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. Valve guide may be steel, bronze, or cast iron. No grinding or polishing in the port including valve guide. Any camshaft, gear, valve spring retainers, lifters are allowed. Beehive springs allowed. Valve spring seat diameter in head must remain stock. May use any valve but must be stock 45 degrees and stock dimensions and 8mm stem size. **no titanium valves allowed**. Must use stock VW 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 VW 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. A 34mm to 30mm carb adapter must be used.

### **Low compression engine option**

1600cc maximum displacement and 8 to 1 compression ratio, must use same heads as high compression engine with same valve size and no porting at all. Stock VW end castings with VW part numbers must be used, no polishing allowed. An EMPI or WEBER 40 or 44 idf carb may be used and tube style intake manifold, No Plenum Manifolds allowed. Must use a maximum 26mm venturi. This is a pump gas only engine option with a maximum of 91 octane.

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. Must have a working reverse gear. 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 is 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. 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 of 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 airtight with the same thickness as the material removed

SCR48 Chassis and Body

Original wheelbase 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'S 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**

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### **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 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 wheelbase 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**

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**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**

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**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 of 87" 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. 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/ MID-SIZE PICKUPS OR SUV'S  
VEHICLES BUILT FROM A TWO WHEEL DRIVE OR FOUR-WHEEL DRIVE MINI, MID-SIZED  
PICKUP OR SUV. 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, MID-SIZED  
PICKUP OR SUV**

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### **GENERAL REGULATIONS**

Entrants in this class shall comply with all applicable general regulations

### **COMPETITION REGULATIONS**

The body, engine, and chassis must be of the SAME Manufacturer. 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. 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 open length. Spring may be mounted above or below axles, spring rates and capacities are open. Two single point anti-wrap up bars may be used on the rear differential.

Vehicles must have true leaf springs, spring under or spring over, no quarter elliptical systems allowed. Leaf springs must attach to one solid point on frame and one shackle. Front suspension is open. Equal length I beams are allowed; no bulkheads or center mounted A-arms. Must have full frames. C notching allowed, must retain full frame.

### **NO TUBE FRAMES.**

#### 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

OPEN

#### 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

STOCK Factory Engine must be one of original manufacturer 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) Oil and water-cooling systems are allowed. The radiator must remain in the stock location
- (B) Air cleaners
- (C) Fuel pumps
- (D) 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. 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 3250lbs

### SCR42 Floorboards

### SCR43 Bumpers

### SCR44 Mirrors

### SCR45 Skid Plates

### SCR46 Storage

### SCR47 Fenders

Front and rear fenders may be fiberglass

### SCR48 Chassis and Body

Removing 6' front or rear overall for bumpers is allowed. C notching frame is allowed, must retain full frame.

## **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. Must use steel cab. No fiberglass cabs allowed. Hoods, fenders, and/or bed sides and doors are required to be in the stock location but may be of any material. 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

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

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**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  
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  
Must have steel cab and working doors with factory hinges.

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**

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**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. Cast iron engine block only.

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**

Stock wheelbase must be utilized +/- 2 inches. Tires must retract inside of fenders. Spindles may be reinforced or replaced but must retain the original stock concept. **Front suspension must be of the same basic design and concept as (a-arm, struts, i-beam, etc.) as available by chassis manufacturer.** Suspension parts may be strengthened, reinforced, or replaced. Pivot points are open. Ball joints may be of any manufacturer. Spindles may be of any manufacturer and may be reinforced. Vehicles with straight axle front ends may modify suspension configuration to utilize a four link and coil over shock system.

Rear suspension must utilize an automotive type differential. Suspension support system is open (quarter-lytical, coil over, four link, ect ) outboard mounted rear springs are permitted. Spring



rates and capacities are open. Front and rear track width is limited to 80 inches maximum as measured from centerline of tire to centerline of tire. Tires must retract inside of fender wells. Front and rear wheel travel is open.

#### 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. No air shocks allowed.

#### SCR11 Secondary Suspension

Secondary suspension is permitted. Ride height must be retained plus or minus 1.5 inches with secondary suspension disconnected.

#### SCR12 Wheels and Tires

#### SCR13 Fasteners

### **STEERING AND BRAKE COMPONENTS**

#### SCR14 Steering

Steering box location is optional. Steering box mounting may be reinforced by adding material. Power steering is permitted. Steering box may be replaced. Steering parts (tie rods, tie rod ends, idler arms, relay rods, and turning arms) may be specially made. Heim ends are optional. Any manufacturer steering wheel may be used.

#### SCR15 Brakes

### **ELECTRICAL SYSTEM**

#### SCR16 Ignition

#### SCR17 Batteries

#### SCR18 Lights

#### SCR19 Starters

### **FUEL SYSTEM**

#### SCR20 Fuel

#### SCR21 Fuel Tanks

Safety fuel cells are required. Fuel cell location is optional. Fuel cell may be sunk in to the bed. Rear frame member may be relocated or replaced in order to sink fuel cell.

#### 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 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 Turbocharger

### **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 is open, provided stock external appearance is retained. Body and fender material is open.

SCR48 Chassis and Body

Original wheelbase +/- 2 inches 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 inches from the front for ground clearance as long as the top of frame rail is not modified. The rear frame may have hydraulic bump stops installed through the upper and lower rail but rail must be cut or drilled only large enough for the installation of such bump stop. The frame over the rear axle may be notched. The notch must not exceed up into the web of the frame more than a maximum of 3 1/2 inches of the original frame web. The top frame rail must remain stock.

## **BODY**

SCR49 Truck must maintain a production appearing body. Stock appearing grill and head light opening must be retained. Body subject to **SNORE** approval. Measurement from the centerline of the front spindle to the back of the B-pillar post must remain stock +/- 1 inch.

SCR50 Identification Markings

SCR51 Advertising on Vehicles

SCR52 Workmanship

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

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**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 ¼" 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 .875". 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" rim, steel, or aluminum, 7" wide maximum with any standard offset. Any pneumatic tire and size allowed up to a 33" tall and 10" wide as mounted on 7" 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. Turning brake allowed. Aluminum center drums allowed. Steel spline center is allowed with the aluminum hub that attaches to a vw drum.

## 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. No crank fired ignition.

### 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. Failure to abide by claimer rule is grounds for disqualification and a ban from racing future **SNORE** races for a period of one (1) year.

### 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
- (H) Oil squirters allowed
- (I) Case may be full flowed
- (J) The case can have gussets welded on top

## **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. No accusump systems allowed.

## **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. total seal rings allowed.

## **CONNECTING RODS**

Any VW aftermarket connecting rod is allowed as long as the rods are stock VW length (5.393) and stock weight with a 500-gram minimum with one (1) rod untouched. No polishing or profiling of 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. 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 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. 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**

Stock or Aftermarket Shrouds permitted. No center mount or 911 shrouds.

### **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. No more than four (4) forward speeds are allowed. Heavy duty side plates and differential allowed. Any internal modifications allowed. Any gear ratio combinations allowed but only VW type gears (helical cut gears) may be used. Must have a working reverse gear. Any shifter allowed. Axle cover tubes allowed. CV joint conversions on either end of the axle are not permitted.

#### **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 = 1550 lbs.  
Double seat = 1350 lbs.

SCR42 Floorboards  
SCR43 Bumpers  
SCR44 Mirrors  
SCR45 Skid Plates  
SCR46 Storage  
SCR48 Chassis and Body  
    Maximum wheelbase is 100" inches. Measured at ride height.

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**

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**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 in a 12-month period 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 is not a rotary piston engine.
- (5) It does not displace more than the following:

### **Air Cooled Engines**

Single-seat 2100cc – four (4) cylinder push rod.  
May utilize two (2) carburetors or stock fuel injection.  
Two-seat 2180cc – four (4) cylinder push rod.  
May utilize two (2) carburetors or stock fuel injection.

### **Water Cooled Engines.**

Single-seat 1990cc – 8 valve single Two-barrel carburetor with a maximum venture size of 38mm.  
Single-seat 1940cc – 16 valve Single two-barrel carburetor with a maximum venture size of 38mm or stock fuel injection with maximum throttle body of 55.5cm.  
Two-seat 1990cc – 8 valve single two-barrel carburetor. Maximum venture size of 40mm.  
Two-seat 1940cc – 16 valve Single two-barrel carburetor with a maximum venture size of 40mm or stock fuel injection with maximum throttle body of 56.5cm.

Single or Two seat vehicles may use carburetors providing:

1. It retains a maximum of 2 (two) ventures per carburetor.
2. Maximum allowable venture size is 40mm for two seat and 38mm for single seat vehicles.
3. Carburetor(s) must be of the production automotive type.

## Stock Production Engines

**All stock production engines are to be inspected and sealed by TURNKEY ENGINE SUPPLY, WIKS RACING ENGINES OR MAJOR PERFORMANCE to be certified as stock replacement.**

Stock production engines must be stock as delivered from the factory except for the following:

- a. Oil and water-cooling systems. (No dry sumps)
- b. Exhaust system, including exhaust manifold.
- c. Fuel pumps.
- d. ECU
- e. Oil pan may be modified or replaced
- f. Power steering pump.
- g. Alternator
- h. Air filter
- i. Belts and pulleys
- j. Fly by wire is allowed.

### GM ECOTEC 2.2cc or 2.4cc

Stock production gm ecotec 4 cyl. 2.2 or 2.4 Allowed in either single seat or two seat vehicles. Pistons must be stock or stock replacement pistons, must retain stock dimensions.

2.2 Or 134 CI will be 86mm bore and 94.6mm stroke.

2.4 Or 145 CI will be 88mm bore and 98mm stroke.

**2.2 or 2.4 Ecotec Direct port injection** will be allowed in single and two seat vehicles but must meet the minimum weight:

**Minimum weight of 2100lbs** for two seat vehicles.

**Minimum weight of 2300lbs** for single seat vehicles.

Non-Direct Port injection vehicles must meet the minimum weight:

**Minimum weight of 2000lbs** for two seat vehicles.

**Minimum weight of 2200lbs** for single seat vehicles.

### FORD ECOBOOST

2.0-liter,16 valve, I4-DI-TIVCT Direct port injection will be allowed in single seat or two seat vehicles but must meet the minimum weight:

**Minimum weight of 1950lbs** for two seat vehicles.

**Minimum weight of 2050lbs** for single seat vehicles.

### HONDA

2.4 direct port injection will be allowed in single and two seat vehicles providing the single seat vehicles weigh a minimum of 2400lbs displacement: 2,354cc

Bore and stroke: 87mm x99mm (3.43 x 3.90 inches) (143.6ci).

The two seat vehicles weigh a minimum of 2300lbs.

**Stock K24 series engine as delivered from the manufacture to vehicles sold in the USA by Honda. Engine cannot be rebuilt. Must be tagged and sealed by one of the company's on the list.**

**Stock production engines must abide the following:**

Camshaft must be stock or equal replacement only.

Camshaft must retain original manufacture specifications. Head / valve train must remain per manufactures original specifications. After Market valve train is prohibited, no porting or polishing of head. Must retain manufactures original specifications.

Intake manifold will remain as delivered from manufacture. It must retain its stock shape, size and configuration. No porting or other modifications will be allowed.

Throttle body will remain as delivered from the manufacturer, not to exceed 65mm on blade. No dry sump systems.

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 ¼ 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. **Direct port injection 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. (**FLY BY WIRE IS OK.**)

**All stock production engines are to be inspected and sealed by TURNKEY ENGINE SUPPLY, WIKS RACING ENGINES, OR MAJOR PERFORMANCE to be certified as stock replacement.**

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

**IF SNORE AT ANY TIME DURING THE RACING SEASON  
DETERMINES THAT ANY PARTICULAR BRAND OR MAKE OF ENGINE  
HAS AN ADVANTAGE, WE MAY EQUALIZE THAT ENGINE EITHER BY A REDUCTION IN  
CC'S, OR THE USE OF A RESTRICTOR PLATE OR BY WEIGHT LIMIT CHANGE. THESE  
CHANGES MAY BE REQUIRED DURING THE RACING SEASON.**

**STOCK BUG**  
**STOCK VW SEDANS**  
**MUST BE A STOCK VW SEDAN AS DELIVERED IN THE U.S.A.**

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**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. **If it does not say you can do it, then you can't!**

**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 SUSPENSTION**

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 stock VW 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. Motowagen aluminum wheels are permitted.

### SCR13 Fasteners

## STEERING AND BRAKE COMPONENTS

### SCR14 Steering

Any manufacturer's steering wheel may be used. **Steering shaft is open. Use of pillow blocks are allowed.** 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. If in the drivers compartment it must be covered or sealed to prevent acid from leaking in case of roll over.

### 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 anywhere 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
- (h) oil squirters ok
- (i) case may be full flowed

## **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. No accusump systems 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 of wrist pin keepers. Piston assemblies may be balanced to the weight in grams of the lightest original non balanced piston, wrist pin, ect. Total seal rings are ok.

## CONNECTING RODS

Any VW aftermarket connecting rod is allowed as long as the rods are stock VW length (5.393) and stock weight with a 500-gram minimum with one (1) rod untouched. No polishing or profiling of rods.

## CRANKSHAFT

Crankshaft must be stock VW. Crankshaft may be balanced. Maximum journal size is limited to .030" undersize. No polishing or lightening. Offset grinding allowed max 69.5mm. 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.

## 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 guide may be steel, bronze, or cast iron. No grinding or polishing in the port Any camshaft, gear, valve spring retainers, lifters are allowed. Beehive springs allowed. Valve spring seat diameter in head must remain stock. May use any valve but must be stock 45 degrees and stock dimensions and 8mm stem size. **no titanium valves allowed.** including valve guide must use stock VW 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 VW 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

## LOW COMPRESSION ENGINE OPTION

1600cc maximum displacement and 8 to 1 compression ratio, must use same heads as high compression engine with same valve size and no porting at all. Stock VW end castings with VW part numbers must be used, no polishing allowed. An EMPI or WEBER 40 or 44 idf carb may be used and tube style intake manifold, No Plenum Manifolds allowed. Must use a maximum 26mm venturi. This is a pump gas only engine option with a maximum of 91 octane.

### SCR24 Engine Replacement

### SCR25 Transmission

Type 1 bug 4 speed transaxle only. Heavy duty side plate and differential allowed. 8.33 (4.12) ring and pinion only. **Stock** VW 1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup>, 4<sup>th</sup> gears only, **no close ratio gears allowed**. Axle over tubes is 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. Shift tube must be inside tunnel. 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 to 1968 belly pans may be interchanged. 1969 or later belly pans 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 sunroof 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**

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**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  
Official Rule Book

## **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 one carburetor, 2 barrels maximum, of any type.
- (5) Maximum allowable venturi size for two valve engines is 42mm.
- (6) Carburetors must be of the automotive type.
- (7) This is a rear engine class only; engine must be located behind rear axle centerline.

## **NEW CLASS 12 ENGINE OPTION**

Engine must be a Type 1 VW

Displacement:

Single Seat vehicles do not displace more than 2110cc

Two Seat Vehicles do not displace more than 2276cc

Any Bore/Stroke Combination Allowed

Carburetors & manifolds:

Individual runner manifolds only, No balance tube. 1 3/4in maximum runner size.

No Plenum Manifolds allowed.

OE End Castings only Allowed. Any modifications allowed.

All vehicles limited to 1 carburetor

Weber 44IDF & EMPI HPMX 44 carburetors only allowed

Maximum venturi size is 34mm

Piston: Open

Crankshaft: Open

Compression Ratio: Maximum compression ratio limited to 9.0:1.

Cylinder Heads:

Any manufacture cylinder head. Titanium retainers are allowed. Any valve size and manufacture allowed. Any valve spring size and manufacture allowed.

Camshaft and Rocker Arms:

Only 1.1:1 & 1.25:1 rocker arms allowed. No roller tip rockers allowed. Any rocker shaft manufacture allowed.

Any camshaft and lifter manufacture allowed.

Any Timing Gears allowed.

Aftermarket VW type fan shrouds allowed. Has to be upright type 1 VW shroud. No Porsche 911 shrouds allowed.

Oil pump and oil system:

Any manufacture oil pump is allowed. Dry sump, deep sump, and accusump systems allowed.

Ignition

Any ignition system 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

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**

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**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 coil over 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 \$2500.00 in cash in the allotted protest time. The first-place finisher must 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. Failure to abide by claimer rule is grounds for disqualification and a ban from racing future **SNORE** races for a period of one (1) year.

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

Low compression engine option, 8.5 to 1 limited to 1776cc single carb of any make with a max vent size of 36mm, any heads all other modifications are 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  
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 OVER 1585CC**

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**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 (LINK)**  
**PRODUCTION MINI OR FULL-SIZE TRUCK**  
**THIS CLASS IS OPEN TO ANY FULL OR MINI TRUCK WITH ALL THE SAFETY**  
**EQUIPMENT**

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**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.  
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  
**Forced Induction is allowed**

## **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  
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

Material may be removed from inside of cab to allow room for roll cage.

**MUST HAVE STEEL CAB AND STEEL WORKING DOORS.**

We will have a grandfather rule for the 4 trucks that have been racing.

So no new trucks will be allowed to race with fiberglass cab and doors.

SCR49 Hoses

SCR50 Identification Markings

Numbers must be black on white or white on black.

SCR51 Advertising on Vehicles

SCR52 Workmanship



**CLASS 2000**  
**SPORTSMAN TRUCK (leaf spring)**  
**PRODUCTION MINI OR FULL-SIZE TRUCK**  
**THIS CLASS IS OPEN TO ANY FULL OR MINI TRUCK WITH ALL THE SAFETY**  
**EQUIPMENT**

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**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**

Must have true leaf springs, spring under or spring over, no quarter elliptical systems allowed. Leaf springs must attach to one solid point on frame and one shackle. Front suspension is open. Equal length I beams are allowed; no bulkheads or center mounted A arms.  
Must have full frames.

**NO TUBE FRAMES.**

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

**STEERING AND BRAKE COMPONENTS**

SCR14 Steering  
SCR15 Brakes  
Official Rule Book

## 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 open.

SCR24 Engine Replacement  
SCR25 Transmission  
Open

SCR26 Throttles

SCR27 Exhaust

SCR28 Drive Shafts

SCR29 Flywheel Shields

SCR30 Fluid Coolers

SCR31 Auxiliary Equipment

SCR32 Superchargers and Turbochargers

Superchargers and Turbochargers limited to 4 cylinder and 6 cylinder motors **ONLY**. No nitrous oxide of any kind.

## 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 open and close, and made of steel. 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 if the nets are attached to the door.

#### 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

Must use steel cab no fiberglass cabs at all.

The cab must remain attached to the vehicle in the same fashion as it was by manufacturer. Windshield is optional. The frame must match the body of the truck, gussets and plating of the frame is allowed. Removing 6" front and back for bumpers is allowed. **NO TUBE FRAMES.**

#### SCR49 Hoses

#### SCR50 Identification Markings

#### SCR51 Advertising on Vehicles

#### SCR52 Workmanship

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

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**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 locked in for a period of 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 is open.** 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. Front shocks limited to 8” of shaft travel.

## 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. Front shocks limited to 8" of shaft travel rear shocks limited to 12" of shaft travel as delivered from shock manufacturer.

### 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, bead locks are permitted.

### SCR13 Fasteners

## STEERING AND BRAKE COMPONENTS

### SCR14 Steering

Steering system is open. Power steering ok. Any tie rod and tie rod end permitted. Heim ends ok

### SCR15 Brakes

May use any brake drum. Aluminum center drums are allowed. Steering or turning brakes are permitted. Any master cylinder combination allowed. No disk brakes.

## ELECTRICAL SYSTEM

### SCR16 Ignition

Battery ignition only. No magnetos permitted. Any distributor may be used. Comp-u-fire module ok, Any VW type alternator or generator in the stock location may be used. 6 or 12 volt system may be used. 75 amp alternators are allowed.

**NO D.I.S. OR MSD. IGN SYSTEMS. NO CRANK FIRED IGNITION.**

#### SCR17 Batteries

Batteries must be auto type, no gel cells

#### SCR18 Lights

Rearward facing amber light and taillights are mandatory. Headlights are not required unless the race will be run in the dark or the race should finish in the dark. **Any light allowed.**

#### 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 \$2500.00 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. Failure to abide by claimer rule is grounds for disqualification and a ban from racing future **SNORE** races for a period of one (1) year.

#### 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
- (G) Case may be full flowed
- (H) Oil squirters ok

### **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. No accusump systems 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**

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. Total seal rings ok.

### **CONNECTING RODS**

#### **STOCK VW DIMENSION CONNECTING RODS ONLY**

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. Eight dowel flywheels are permitted with any gland nut and washer

### **HEADS**

Type 1 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.

**No titanium valves allowed**, Valve guide may be steel, bronze or cast iron. No grinding or polishing in the port including valve guides. Must use stock VW 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 VW 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. A maximum of four forward gears. Only VW helical cut gears may be used. **Any manufacturers 1<sup>st</sup> and 2<sup>nd</sup> main shaft as long as stock ratio is used.** And any 3<sup>rd</sup> and 4<sup>th</sup> gear ratio combinations permitted. Any super diff allowed. Must have a working reverse gear. Hydraulic clutch permitted. Any shifter allowed.

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 OR GROOVED OUTER CV RACES.**

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**

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**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, I-beams 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 are allowed as long as it was factory installed.

## **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

**CLASS 3000**  
**DESERT LITES – GM ECOTEC POWERED 4-CYL  
PRODUCTION MOTOR, SHORT WHEELBASE MINIS**  
**Two seat open wheeled mini cars, and two seat mini trucks.**  
**VEHICLES MUST HAVE TWO (2) OCCUPANTS.**

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**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.

TRANSAXLE EQUIPT VEHICLES NOT EXCEED 103" WHEELBASE AS MEASURED AT RIDE HEIGHT.

LIVE AXLE EQUIPT VEHICLES NOT TO EXCEED 111" WHEELBASE AS MEASURED AT RIDE HEIGHT.

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  
Shock absorbers are open. Wheel travel is unrestricted. Front suspension is open  
SCR11 Secondary Suspension  
SCR12 Wheels and Tires  
Wheels are open. Track width is open.  
SCR13 Fasteners

## STEERING AND BRAKE COMPONENTS

SCR14 Steering  
Steering or turning brakes permitted.  
SCR15 Brakes

## ELECTRICAL SYSTEM

SCR16 Ignition  
SCR17 Batteries  
SCR18 Lights  
Rear facing blue light mandatory.  
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 location is open. Engine is limited to stock production gm ecotec 4 cyl. 2.2 and 2.4 motors. Pistons must be stock or stock replacement pistons must retain stock dimensions. Camshaft must be stock or equal replacement only. Camshaft must retain original manufacture specifications. Head / valve train must remain per manufactures original specifications. After Market valve train is prohibited, no porting or polishing of head. Must retain manufactures original specifications. Intake manifold will remain as delivered from manufacture. It must retain its stock shape, size and configuration. No porting or other modifications will be allowed. Throttle body will remain as delivered from the manufacturer, not to exceed 65mm on blade. No dry sump systems allowed. All motors are to be inspected and sealed by TURNKEY ENGINE SUPPLY. Certified as stock replacement.  
[www.turnkeyenginesupply.com](http://www.turnkeyenginesupply.com)  
2620 temple heights dr.  
Oceanside, ca 92056  
760-941-2741

SCR24 Engine Replacement  
SCR25 Transmission  
SCR26 Throttles  
SCR27 Exhaust is open  
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  
no minimum weight restrictions  
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 SXS PRO NA : 1900-1999**  
**CLASS SXS PRO TURBO : T800-T999**  
**CLASS SXS UNLIMITED : 2900-2999**  
**CLASS SXS SPORTSMAN : 3900-3999**

**The pro SXS limited vehicles are built using production UTV'S, manufactured by registered companies that issues VIN #'s.**  
**Companies must produce a minimum number of units to be accepted.**  
**VEHICLES MUST HAVE TWO (2) OCCUPANTS.**

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## **GENERAL REGULATIONS**

Entrants in this class shall comply with all applicable general regulations. All new entries that have not previously raced in the last year must pre-qualify and get a race number. Race numbers are good for one year. Contact S.N.O.R.E. SXS Tech, Mike Colosimo, before entering for any questions or concerns.

## **MINORS**

To drive in any S.N.O.R.E event, the driver must have a valid state issued driver's permit and the co-driver must have a valid state driver's license. Minimum age to be a co-driver is 14 years, but all minor forms must be completed and turned into S.N.O.R.E before you are qualified into the Official Entry Form.

## **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

## CLASSES

### **SXS PRO NA**

**DESIGNATED NUMBERS: 1900 – 1999**

### **SXS PRO TURBO**

**DESIGNATED NUMBERS: T800 – T999**

Belt driven race cars only

### **SXS UNLIMITED**

**DESIGNATED NUMBERS: 2900 – 2999**

PRO R, DAKART, SR1, SEGAWY, SPEED UTV, Other Pre-Approved Race Vehicles

### **SXS SPORTSMAN**

**DESIGNATED NUMBERS: 3900 – 3999**

This is not a stock class. Same rules as the pro classes apply. Not a payout class.

## **SNORE SXS RULE CHANGES EFFECTIVE 12-1-24**

ALL NEW RACERS & BUILDS MUST BE PRE-APPROVED BY SXS DIRECTOR BEFORE BEING APPROVED TO ENTER ANY SNORE EVENTS.

After being approved, you will be assigned a vehicle number by SXS Director.

All vehicles built as a Side By Side (SXS), powered by a SXS motor, or in the spirit of a Side By Side (SXS), are only allowed to enter & race in SXS Classes. NO EXCEPTIONS.

For 2025 ALL SXS Numbers will need to be re assigned after 2024 Rage at the River. You will have 45 days to reserve your old number after that event

No class jumping

No removing passenger seats

2 racers in SXS race cars (excluding RS1) at Qualifying events,

NO Stock SXS or stock cages or non-solid sides

35" tires max in all classes.

Stock fuel cells are allowed

No "Youth" classes

Must have at a minimum, State issued pre-approved Drivers Permit and an Adult Co Driver before, Pre Qualifying for an event with the SXS Director.

ALL OTHER RULES CONTINUE TO APPLY IN SXS CLASSES

## **SUSPENSION COMPONENTS**

### **FRONT SUSPENSION**

All a-arm mounting points must remain the stock design and remain in the stock location as delivered from the factory. However, they may be reinforced for strength.

The maximum width of the SXS limited class, measured from outside of tire to outside of tire is 78".

The maximum width of the SXS unlimited class, measured from outside of tire to outside tire is 80".

The maximum overall wheelbase from spindle to spindle can be increased 8" over stock dimensions.

Maximum wheelbase for unlimited class will be 124".

### **Torsion system**

The only torsion system that is acceptable in limited class is a coil over shock.

Any available system is allowed in unlimited class.

### **SCR10 Shock Absorbers and Bump Stops**

There must be at least one and only one shock per wheel in working condition at the start of the race. Shock absorber mounting points may be moved.

Suspension bump stops must be of the solid type.

#### SCR11 Secondary Suspension

Secondary suspension systems are not allowed in limited class.

Secondary suspension systems are allowed in unlimited class.

#### SCR12 Wheels and Tires

Maximum tire size is 35" outside diameter. All classes.

No multiple tires permitted.

#### SCR13 Fasteners

### STEERING AND BRAKE COMPONENTS

#### SCR14 Steering

Steering system is open. Power steering is allowed.

Turning or steering brakes are not allowed in limited class.

#### SCR15 Brakes

### ELECTRICAL SYSTEM

#### SCR16 Ignition

#### SCR17 Batteries

Batteries must be securely mounted with metal attachments.

No wet cell batteries allowed. Batteries may be located in the drivers compartment but must be fully surrounded with aluminum or sheet metal.

#### SCR18 Lights

All UTV'S must have a minimum of two taillights, two brake lights, one rearward facing amber light and one rearward facing blue light. The blue or green light is a attempt to identify the slower moving UTV class of vehicles, so that faster class vehicles will be able to recognize that they are approaching a slower vehicle.

**SNORE** rules state that all safety lights must be on and working at all times.

The stock headlights and switch are acceptable as the required headlights.

The amber lights, taillights, and blue lights must be connected to the ignition switch (connecting straight to the battery switch, if the vehicle is so equipped is acceptable) and remain on during the entire race.

#### SCR19 Starters

### FUEL SYSTEM

#### SCR20 Fuel

#### SCR21 Fuel Tanks

Stock/unmodified fuel cells are allowed in all SXS classes.

Modified fuel systems or bike motors must run a fuel cell.

Firewalls are REQUIRED.  
SCR22 Fuel Lines, Vents, Caps

## **ENGINE, TRANSMISSION AND DRIVELINE**

SCR23 Engine and Engine Displacement

**All limited vehicles must use stock engine cases and cylinder head. Maximum engine displacement is 1000cc, larger displacement may be allowed if produced by the factory NO turbochargers or superchargers are allowed.**

A weight restriction may be required. Engine displacement and location may be checked by **SNORE** at any time. **SNORE** reserves the right to mark engine blocks prior to an event and confiscate engines after the race.

Electric fuel pumps are allowed.

Unlimited: 2000cc MAX LIMIT, MUST USE A FACTORY SXS MOTOR CASE.

NA, Turbo: 999cc limit. No aftermarket Turbo's, Supercharges, or Stroker motors.

SCR24 Engine Replacement

SCR25 Transmission

Limited class, every vehicle must use the stock transmission and clutch design. Every vehicle must have a working reverse gear. The stock rear differential must be used.

Unlimited class, any powersports based platform.

**TRANS MODIFICATIONS ARE ALLOWED IF STOCK CASE IS USED.**

SCR26 Throttles

SCR27 Exhaust

SCR28 Drive Shafts

SCR29 Flywheel Shields

SCR30 Fluid Coolers

Oil coolers, transmission coolers and radiators located ahead of the driver and co-driver or in the passenger compartment must have a shroud that will prevent liquids from blowing back or leaking onto the driver and or co-driver in the event of a rupture or leakage. All hoses running through the passenger compartment must be shielded. Steel braided hoses do not constitute a shield.

SCR31 Auxiliary Equipment

SCR32 Superchargers and Turbochargers are allowed in unlimited class only.

## **VEHICLE SAFETY EQUIPMENT**

SCR33 Roll Cages

All roll cages designed and constructed with one front vertical hoop and one rear vertical hoop, two interconnecting top bars, two rear down braces, one diagonal brace and all necessary gussets. The two top interconnecting bars must be placed as far to the outside of the top part of the front and rear hoops as possible. Rear down braces and diagonal braces must angle a minimum of 30 degrees from vertical. At the bottom of the diagonal brace there must be a cross

member of the same size tubing material and dimensions as the hoop. All roll cage component's (hoops, braces, gussets, etc.) must have a minimum of 3 inches clearance from the component to the vehicle occupant's helmets when occupants are in their normal riding positions. Roll cages must be securely mounted the vehicle frame. All intersecting points must be gusseted and braced. Cab or body mounted roll cages must be bolted through the body structure and be attached by use of a minimum two .1875-inch-thick plates one on each side of body and bolts must be .375-inch diameter S.A.E. grade 8 or equivalent quality. Welding of cab or body mounted roll cages to body structure is strictly prohibited. Roll cage terminal ends must be attached to a frame or body member that will support maximum impact and not shear or allow more than 1.5 inches of movement in the cage terminal end. **NO STOCK SXS OR OPENING DOORS OR SECONDARY LATCH STYLE DOORS ALLOWED IN ANY SXS CLASS.**

Vehicles that weigh 2000 lbs. and under must use 1.5 x .095 tubing.

Vehicles that are over 2000 lbs. must use 1.5 x .120 tubing or 1 ¾ x .095 tubing.

#### SCR34 Safety Harness

Stock belts are not permitted.

#### SCR35 Safety Nets

**All vehicles must have window nets covering sides in case of a rollover.**

#### SCR36 Seating

All vehicles must use seats designed specifically for racing applications manufactured by a recognized racing seat manufacturer. Stock seats must be completely removed. All seats must be securely mounted to frame of vehicle and be properly reinforced in such a manner as to keep seat from moving in relationship to the frame. Adjustable track seat mounts must be securely mounted as to not allow any lateral or vertical movement. Head and neck restraints designed and installed to prevent whiplash are mandatory on all vehicles. Restraints must be a headrest constructed of at least 2" thick padding and be approximately 36 square inches in area. All portions of the roll bar or bracing that might come into contact with the vehicles occupant's helmets must be padded. There must be two people in all vehicles, this includes qualifying (the only exception is RS1). Stock belts and/or seats are not permitted.

### **GENERAL VEHICLE COMPONENTS**

#### SCR37 Drivers Compartment

Doors must have an arm bar and 'X' or 'A' or latter design bracing in door area. Must use a minimum of 1.5 .095 tubing. Doors that latch or open and close are not allowed. Handicap racers or modified entry points must be pre-approved with the SNORE SXS Tech team.

**NO STOCK ROLL CAGE OR STOCK SXS OR OPENING DOORS OR SECONDARY LATCH STYLE DOORS ALLOWED IN ANY SXS CLASS.**

#### SCR39 Firewalls

All vehicles must have a all-metal firewall separating the drivers compartment from the danger of fire from fuel supplies. Rear mounted fuel cells require a minimum firewall which must be liquid tight and must extend at least 6 inches above the top of the fuel cell covering from side to side. Any hole placed in the firewall for structure members, lines, etc. Must be kept at a minimum. Stock UTV engine covers meet the engine firewall requirement for the 1900 UTV class. However a fuel container firewall separator is still necessary. All vehicles must have a fuel filler splash guard. The

intent of the splash guard is to keep fuel from being splashed on the driver and co-driver while being refueled.

SCR40 Ballast  
SCR41 Weight

SCR42 Floorboards

Stock UTV floorboards are acceptable. Although adding extra protection made of steel or aluminum is highly recommended.

SCR43 Bumpers

All vehicles must have a rear bumper secured to frame using minimum 1.5" tubing. Ends must be capped and rounded to prevent any sharp edges. Bumpers and nerf bars must be designed in a way as to reasonably inhibit two vehicles from becoming locked together. A safe front and rear bumper is required on all vehicles. No hazardous front or rear bumpers, nerf bars, frame heads or other protruding objects from vehicles are permitted.

SCR44 Mirrors  
SCR45 Skid Plates  
SCR46 Storage  
SCR47 Fenders

SCR48 Chassis and Body

All UTV vehicles must utilize the stock chassis (frame) and maintain stock appearance. The stock chassis is defined as the main lower rails running along the inner sides of the UTV and the front and rear tubes that connect them. The stock chassis may be added for durability and strength, but must retain the stock width, length, and configuration. **Bolt in race cage allowed**, All body parts must remain on the vehicle (accidental damage excluded) during the entire length of the race.

The roof must be covered with sheet metal or aluminum.

Stock fenders must be on vehicle.

SCR49 Hoses

SCR50 Identification Markings

All vehicles in competition must display the official SNORE decal on both sides of the vehicle.

**Numbers will be black on white or white on black.**

Side numbers will be 8" high with a 1" stroke width. Number plates are recommended.

Front numbers will be 4" high.

Rear numbers will be 6" high.

SCR51 Advertising on Vehicles

SCR52 Workmanship

**CLASS 4400**  
**ULTRA 4 UNLIMITED**

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**GENERAL REGULATIONS**

Entrant of this Class shall comply with ALL SNORE and ULTRA 4 SERIES combined Class Rules.

**COMPETITION 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. 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

**ENGINE**

Any and all engines are permitted, providing they meet all the additional rules and regulations specified herein.

**TRANSFER CASE**

Any and all transfer-cases are permitted, providing they meet all the additional rules and regulations specified herein.

**DRIVESHAFTS**

Any and all driveshafts are permitted, providing they meet all the additional rules and regulations specified herein.

**AXLES**

Any and all axle assemblies are permitted, providing they meet all the additional rules and regulations specified herein.

## **STEERING**

Any and all steering components and configurations are permitted, providing they meet all the additional rules and regulations specified herein. Rear steering is permitted.

## **SUSPENSION**

Any and all suspension components and configurations are permitted, providing they meet all the additional rules and regulations specified herein.

Shock absorbers of any make/model/type are permitted and may be installed in any location and orientation, providing they meet all the additional rules and regulations specified herein.

Manual suspension controls (e.g. forced hydraulics) are permitted.

## **WHEELS & TIRES**

Any and all tires are permitted, providing they meet all the additional rules and regulations specified herein



**CLASS 4500**  
**ULTRA 4 MODIFIED**

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**GENERAL REGULATIONS**

Entrant of this Class shall comply with ALL SNORE and ULTRA 4 SERIES combined Class Rules.

**COMPETITION 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. 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

**FRAME & BODY**

The frame is considered to be the primary frame rails used to mount the drive train and body. It shall run from the OEM motor mount location to behind the rearmost portion of the occupants' seats. The balance of the frame shall remain whole however allowances will be made for suspension mounting. The stock frame should be retained, however aftermarket and custom frames are allowed. Aftermarket and custom frames must be of a boxed design with minimum dimensions of 1.5" x 3" x 0.120". At static ride height the bottom of the frame rails shall be no higher than the top of the tire. At no point shall the frame rails be closer than 16" apart, measured horizontally. The frame rails must remain within 4" of vertical alignment in relation to each other for the entire length of the frame. The body is considered to be the exterior of the cab, bed, doors, hood, front/rear fenders, grill, etc. All vehicles shall resemble an OEM production vehicle, and the body shall be complete with the following limitations and exceptions: Modifications to the body for performance and/or clearance are permitted but must preserve the look of the stock body, as originally manufactured. For the purpose of the Modified Class a Production Vehicle is defined as any vehicle that has a minimum of 250 chassis/body combinations sold to the public.

## **ENGINE**

Any and all engines are permitted, providing they meet all the additional rules and regulations specified herein, and with the following limitations and exceptions: The back of the engine-block must be located in front of the furthest-forward portion of the driver's seat, unless otherwise-equipped, as originally manufactured in a 4WD configuration. Radiator mounting open

## **TRANSMISSION**

Any and all transmissions are permitted, providing they meet all the additional rules and regulations specified herein.

## **TRANSFER-CASE**

Any and all transfer-cases are permitted, providing they meet all the additional rules and regulations specified herein.

## **DRIVESHAFTS**

Any and all driveshafts are permitted, providing they meet all the additional rules and regulations specified herein.

## **AXLES**

Any and all axle assemblies are permitted, providing they meet all the additional rules and regulations specified herein.

## **STEERING**

All vehicles must retain some type of mechanical steering linkage (e. g. 'full- hydro' steering is not permitted, unless factory-equipped matching frame), and said linkage must be capable of controlling the direction of the steering wheels/tires without the benefit of any additional power-steering aids. Rear-steer is not permitted.

## **SUSPENSION**

Any and all suspension components and configurations are permitted, providing they meet all the additional rules and regulations specified herein.

a) Shock absorbers of any make/model/type are permitted and may be installed in any location and orientation, with the following limitations and exceptions:

b) Only two shock absorbers are permitted per wheel/tire (not including spare tires).

c) Shock absorbers shall not be larger than 2.65" in diameter (outer diameter of shock-body) and shall not be capable of any more than 14" stroke.

d) Shock absorbers must be connected directly to the axle assembly and chassis and shall not be mounted in any way so as to yield any type of mechanical advantage, unless factory-equipped (mounting shock absorbers off-vertical is permitted and shall not be considered a mechanical advantage), or equipped with any type of independent suspension (and then shock absorbers may only be mounted to as to yield a mechanical advantage at the wheels/tires that are independently suspended).

e) Manual suspension controls (e.g. forced hydraulics) are not permitted.

Effective 1/1/19 Independent Suspensions will no longer be allowed in the Modified class with the following exception.

a) Independent Suspended vehicles must use OEM Factory Frame and OEM Factory Body Style for that make/model year and the vehicle must have been Independent for that make/model year.

b) Frame requirements will exceed class rules to include suspension mounting points for the independent portion of the suspension.

## **WHEELS & TIRES**

The intent of the tire rule for the modified class is to restrict tire use to only standard production models designed, sold, and advertised for use on highway vehicles. Therefore, all tires used in competition shall be readily available to the public from any local distributor. Tires with special construction, compounds, etc. created for the sole purpose of competition will not be allowed. Tires must be DOT-approved, with a maximum outside diameter of 37" (or equivalent), as specified on the tire's sidewall by the original manufacturer.

# **CLASS 6100**

Spec Unlimited Truck  
Sealed Engine  
Vehicle numbering 6100-6199

## **GENERAL REGULATIONS**

Entrants in this class must comply with all applicable general regulations.

## **COMPETITION REGULATIONS**

This is a spec engine class, and all components will be considered spec unless it states otherwise within these class rules. Engines will be spec crate engines from Ford & GM manufacturers. Engines must be sealed and tagged by Turnkey Engine Supply, Major Performance, Danzio Performance, Redline Performance or WIKS Racing Engines. Motor must be tagged prior to start of race or penalties up to and including disqualification can be assessed. Only engine kits listed will be allowed. All engines regardless of manufacture, Ford or GM, must be purchased through SNORE approved engine suppliers. Listed engine suppliers will tag and seal the engines before being shipped to the customer.

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 Shock absorbers are open. Wheel travel is unrestricted. Front suspension is open

SCR11 Secondary Suspension

SCR12 Wheels and Tires

Wheels are open. Track width is open.

SCR13 Fasteners

## **STEERING AND BRAKE COMPONENTS**

SCR14 Steering

Steering or turning brakes permitted.

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

Must use one of the following approved sealed engines. 525 horsepower is maximum limit. Maximum of eight-cylinder engines allowed in this class.

Following engines are approved for 6100 class:

**GM LS3 V8** (525 HP) part number: **19370413** (previously no. 19301366) partnered with GM Controller Kit part number: **19354332** and ECU unit part number: **19354329** (previously no. 19258270)

**GM LS3 V8** (430 HP) part number: **19370416** (previously no. 19301326) partnered with GM Controller Kit part number: **19354328** and ECU unit part number: **19354329** (previously no. 19258270)

**Ford 3.5L twin turbo ECOBOOST® engine and Control Pack Kit part number: M-6000-35TK**

**Ford 5.0L V8 engine kit part number: M-6007-M50C with wire loom and control pack part number: M-6017-M50B**

**Ford 351 V8 engine kit part number: M-6007-S374W**

**GM:** LS engines must use factory GM LS style wet sump oil pans. No aftermarket pans are permitted. GM pans may be modified to fit chassis, modified pans must use stock baffling and no increase in volume is permitted. No dry sump oil systems allowed.

**FORD:** No dry sump oil systems allowed. All FORD engines must use wet sump stock oil pan as delivered in the engine kit from the manufacturer. FORD pans may be modified to fit chassis, modified pans must use stock baffling and no increase in volume is permitted.

**Billet fuel rails are allowed.**

**Water pumps** are open, must be mechanical factory concept, no electric pumps allowed.

The following modifications are **NOT** allowed:

**No** aftermarket ECU systems installed in vehicle.

**No** aftermarket cam shaft replacement- Factory cam upgrade to 525 HP allowed (see below)

**No** balancing

**No** engine block decking

**No** line boring

**No** dry sumps

**No** rebuilding

**Upgrading 430 HP LS3 Engines:**

430 HP LS3 engines may be upgraded to 525 HP versions **ONLY** by changing to GM camshaft part number: **88958770**.

**SCR24 Engine Replacement**

New crate engines sealed and tagged allowed. Rebuilt or previously installed engines must have specifications reverified and be retagged by authorized SNORE engine builders.

**SCR25 Transmission**

Turbo 400 automatic transmissions **ONLY**

Underdrive units are allowed. May be of any manufacture.

**NO** 4 wheel drive vehicles allowed.

**SCR26 Throttles**

Electronic throttle pedal assembly (fly-by-wire) allowed only if delivered as part of engine control pack delivered direct from the manufacturer.

**SCR27 Exhaust**

Open

**SCR28 Drive Shafts**

**SCR29 Flywheel Shields**

**SCR30 Fluid Coolers**

**SCR31 Auxiliary Equipment**

**SCR32 Superchargers and Turbochargers**

Forced induction only allowed if supplied as part of OEM engine package. No aftermarket units allowed.

**VEHICLE SAFETY EQUIPMENT**

**SCR33 Roll Cages**

**SCR34 Safety Harness**

**SCR35 Safety Nets**

**SCR36 Seating**

Maximum of two seats. No center seating allowed.

**GENERAL VEHICLE COMPONENTS**

**SCR37 Driver's Compartment**

**SCR38 Doors and Latches**

**SCR39 Firewalls**

**SCR40 Ballast**

**SCR41 Weight**

No minimum weight restrictions

**SCR42 Floorboards**

**SCR43 Bumpers**

**SCR44 Mirrors**

**SCR45 Skid Plates**

**SCR46 Storage**

**SCR47 Fenders**

**SCR48 Chassis and Body**

Vehicle Must have fenders. No open wheel vehicles permitted. Must retain stock truck or SUV appearance.

SCR49 Hoses

SCR50 Identification Markings

SCR51 Advertising on Vehicles

SCR52 Workmanship