

OFFICIAL
RULE BOOK
2026



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Unlimited Truck

Class 1

Class 1/2-1600

Class 5

Class 5-1600

Class 7

Class 9

Class 10

Stock Bug

Class 12

Class 13 Sportsman Buggy

Class 15 Unlimited Sportsman Buggy

Class 1450 Sportsman Truck

Class 2000 Sportsman truck (Leaf Spring)

Class 1800

Class 3000

Class 1900 2900 3900

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 SADR 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 Stewart or a SADR 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 SADR 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 SADR.

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 SADR.

SGL4

All entrants must report all accidents and breakdowns they may have witnessed and tell a SADR 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 SADR 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 SADR 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 SADR 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 SADR markings and DQ signs. SADR 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 SADR. Penalties levied at the discretion of SADR 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) SADR officials

(E) The SADR 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 SADR 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 SADR 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 SADR 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 SADR 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 SADR rules and regulations.

SGT2

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

SGT3

SADR 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 SADR.

SGT4

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

SGT5

SADR reserves the right to seal or impound a vehicle.

SGT6

SADR 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 SADR events

SGT9

Any participant refusing to comply with engine claim rules as stated in the class rules will be disqualified and barred from future SADR 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. SADR's intent when prescribing specifications for

safety equipment for vehicles that will compete under SADR rules is to provide adequate protection to all entrants and spectators. SADR 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

SADR approved head and neck restraints are mandatory and must be worn by all occupants competing in a SADR 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 mandatory that all Drivers/ Co-Drivers wear 3.3a/5 gloves, socks, shoes, and a baklava.

SCR3 Eye Protection

Shatter resistant eye protection is required for all occupants competing in a SADR 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

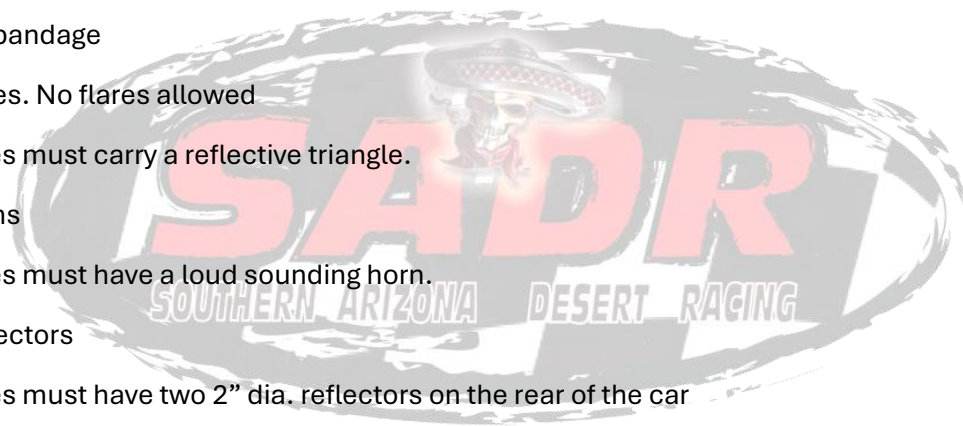
All vehicles must have two 2” dia. reflectors on the rear of the car

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

SCR12 Wheels and Tires

Snap-on hub caps or wheel covers of any type are not allowed on any type of vehicle during competition. Tires will be visually checked for condition and must be considered safe by SADR 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 engines 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 SADR.

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:

Vehicle weight

Up to 2000 lbs. 1.5" x .095" CDN/4130/seamless or ASTM 1018/1026

CDS/DOM

2001 to 2500 lbs. 1.5" x .120" CDN/4130/seamless or ASTM 1018/1026

CDS/DOM

2501 to 3000 lbs. 1.75" x .095" CDN/4130/seamless or ASTM 1018/1026

CDS/DOM

3001 to 4000 lbs. 1.75" x .120" CDN/4130/seamless or ASTM 1018/1026

CDS/DOM

4000 lbs. and over 2.0" x .120" CDN/4130/seamless or ASTM 1018/1026

CDS/DOM

CONSTRUCTION PROCEDURES

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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

SADR 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.

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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 SADR, 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.

SADR 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 SADR 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 SADR.

Official Rule Book 27 November 2, 2024

SCR53 Lights

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



OPEN PRODUCTION – UNLIMITED

UNLIMITED 4 WHEEL VEHICLES

MUST HAVE A PRODUCTION APPEARING UTILITY OR SPORTS UTILITY BODY

GENERAL REGULATIONS

Entrants in this class shall comply with all applicable general regulations

COMPETITION REGULATIONS

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

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

under this class has precedence

SAFETY EQUIPMENT

SCR1 Helmets

SCR2 Protective Clothing

SCR3 Eye Protection

SCR4 First Aid Kit

SCR5 Flares

SCR6 Horns

SCR7 Reflectors

SCR8 Fire Extinguisher

SCR9 Survival Supplies

SUSPENSION COMPONENTS

SCR10 Shock Absorbers and Bump Stops

SCR11 Secondary Suspension

SCR12 Wheels and Tires

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

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

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

Option: Low compression 1600 c. c. engine with maximum 8.0 to 1 ratio. May use an IDF 40 of 44 cfm carburetor. Carburetor inserts are blue 24.00mm for single seat and red 26.00mm for two seat vehicles.

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 accismus 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 69.5 mm. May also use a 69.5 mm counter weighted crank shaft.

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, 031 CH 501

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

Use of any Type 1 and Type 2 transaxles and any aftermarket 4-speed forward synchronize transmission is allowed. Any internal or external modifications to housing are allowed. No more than (4) speeds are allowed. Any gear ratio combinations but only VW type gears (helical cut gears) may be used. Any internal modifications are allowed. May use aftermarket side covers.

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

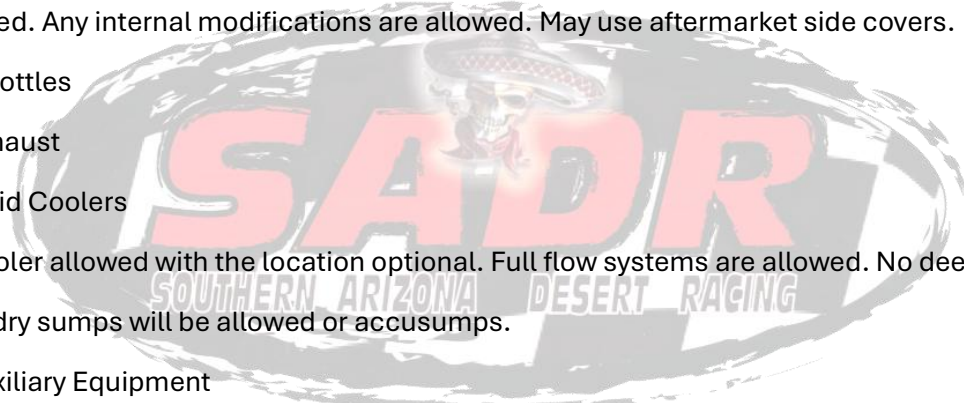
Safety nets must be attached at all times during the event.

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 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**

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 SADR 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

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. 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 69.5 mm. May also use a 69.5 mm counter weighted crank shaft.

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, 031 CH 501 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

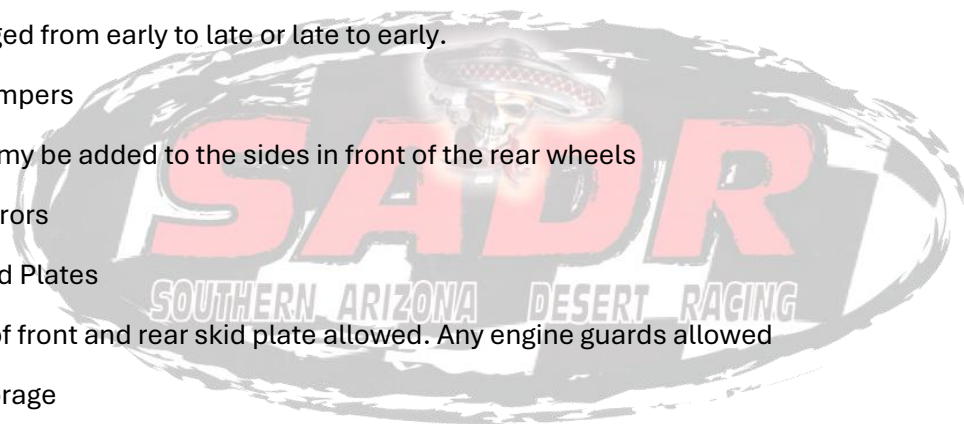
CR47 Fenders

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 7

UNLIMITED MINI TRUCK

GENERAL REGULATIONS

Entrants in this class shall comply with all applicable general regulations

COMPETITION REGULATIONS

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

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

SAFETY EQUIPMENT

SCR1 Helmets

SCR2 Protective Clothing

SCR3 Eye Protection

SCR4 First Aid Kit

SCR5 Flares

SCR6 Horns

SCR7 Reflectors

SCR8 Fire Extinguisher

SCR9 Survival Supplies

SUSPENSION COMPONENTS

Suspension is open, with a maximum width 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 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

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

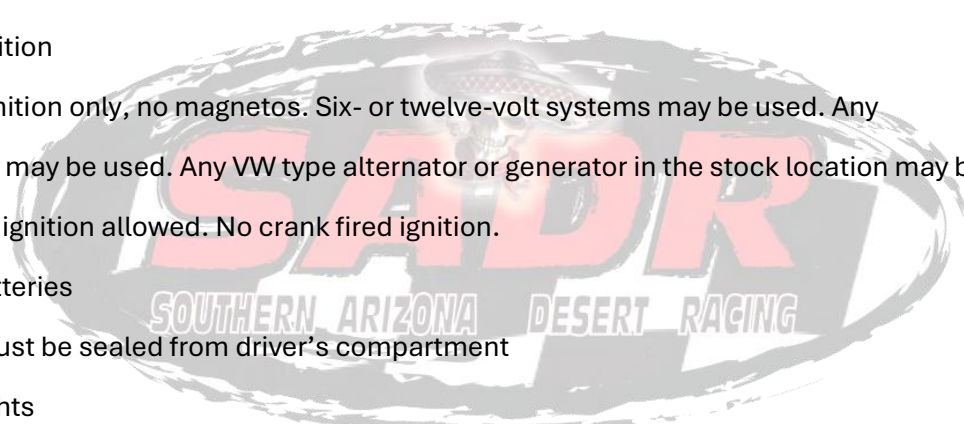
Automotive pump gas only. This means only fuel sold to the general public for use in domestic cars.

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 firstplace 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 SADR official present at the time of the protest. SADR 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 SADR 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. 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 69.5 mm. May also use a 69.5 mm counter weighted crank shaft.

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, 031 CH 501 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

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

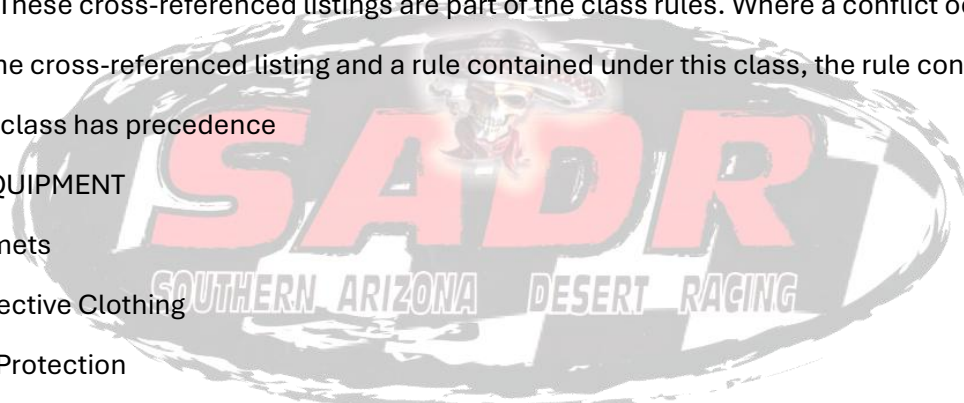
SUSPENSION COMPONENTS

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.

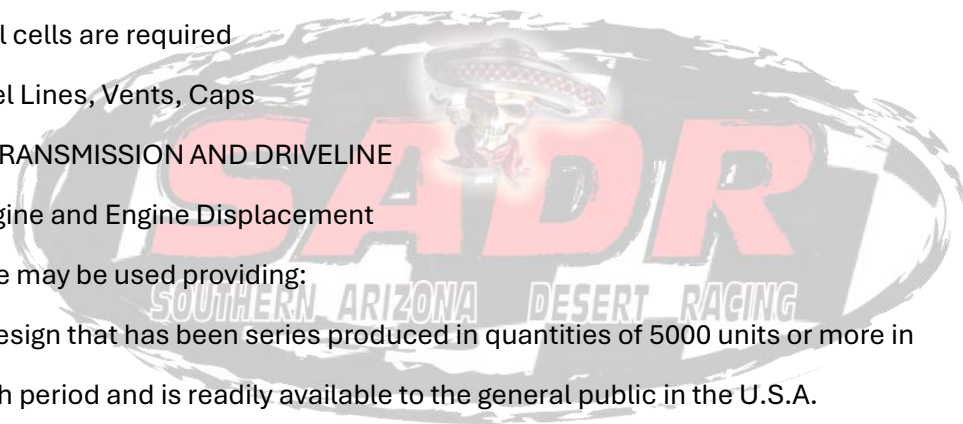
May utilize two (2) carburetors or stock fuel injection.

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 venturi size of



38mm.

Single-seat 1940cc – 16 valve Single two-barrel carburetor with a maximum venturi size of 38mm or stock fuel injection with maximum throttle body of 55.5cm.

Two-seat 1990cc – 8 valve single two-barrel carburetor. Maximum venturi size of 40mm.

Two-seat 1940cc – 16 valve Single two-barrel carburetor with a maximum venturi 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) venturis per carburetor.
2. Maximum allowable venturi 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

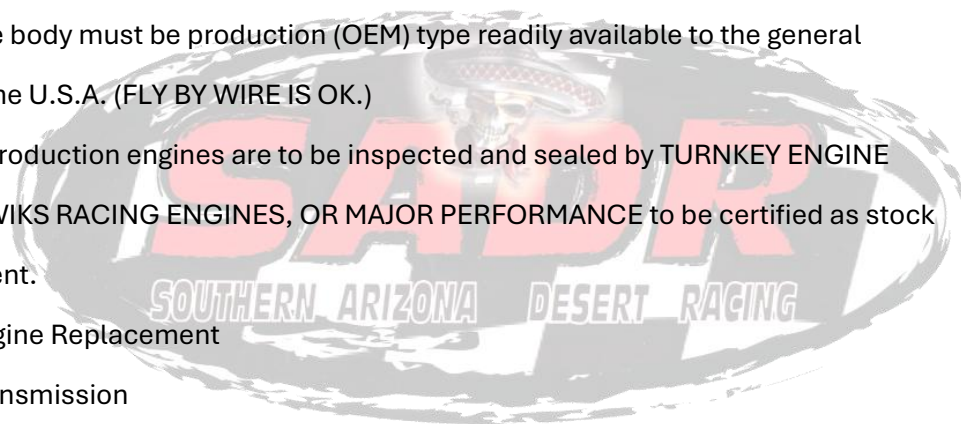
SCR32 Superchargers and Turbochargers

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



STOCK BUG

STOCK VW SEDANS

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

GENERAL REGULATIONS

Entrants in this class shall comply with all applicable general regulations

COMPETITION REGULATIONS

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

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

Front axle torsion tube centers may be cut, rotated, rewelded to increase ground clearance or front adjusters may be used. Original seams may be welded (not reinforced) on the front beam.

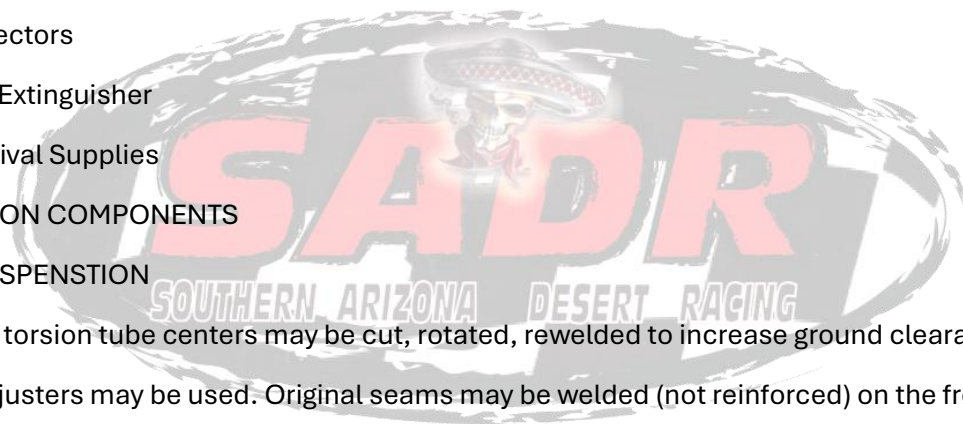
Shock towers may be additionally supported by the adding of a single gusset; gusset may not extend more than 2" above top torsion tube.

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

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

REAR SUSPENSION

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



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

SCR10 Shock Absorbers and Bump Stops

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

SCR11 Secondary Suspension

No secondary suspension allowed.

SCR12 Wheels and Tires

Any 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. 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 69.5 mm. May also use a 69.5 mm counter weighted crank shaft.

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, 031 CH 501 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 1st, 2nd, 3rd, 4th 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.

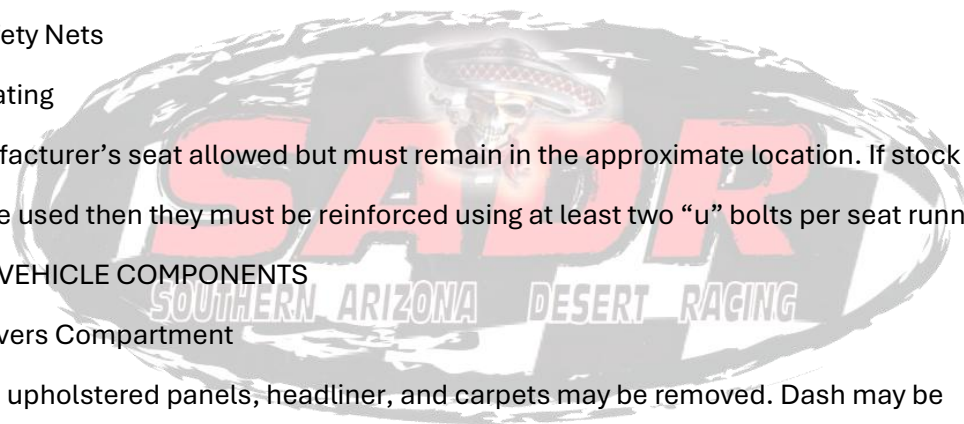
SCR39 Firewalls

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.

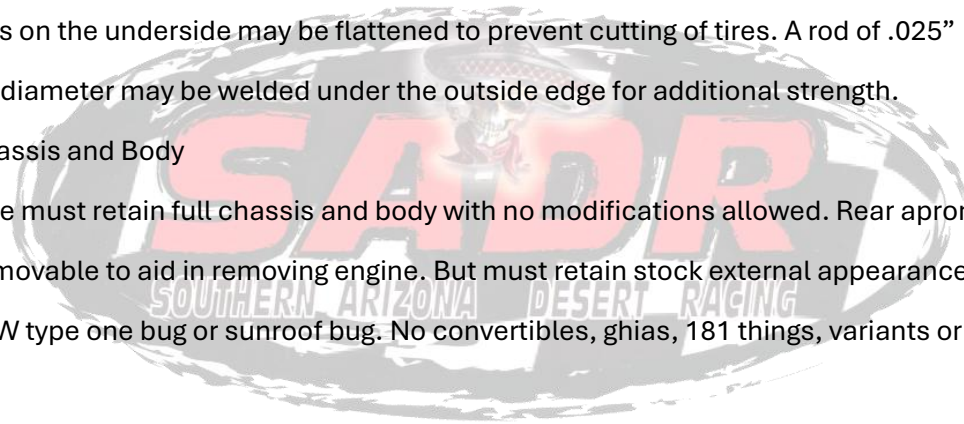
Hinges must remain stock. Front rear and side glass optional. Chrome strips, outside mirrors, antennas may be removed. A hole no larger than 1 inch in diameter larger than the shock OD may be cut in the rear fender well to allow for the rear shock.

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

GENERAL REGULATIONS

Entrants in this class shall comply with all applicable general regulations

COMPETITION REGULATIONS

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

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

SAFETY EQUIPMENT

SCR1 Helmets

SCR2 Protective Clothing

SCR3 Eye Protection

SCR4 First Aid Kit

SCR5 Flares

SCR6 Horns

SCR7 Reflectors

SCR8 Fire Extinguisher

SCR9 Survival Supplies

SUSPENSION COMPONENTS

Front suspension

Front suspension is limited to VW type 1 configuration.

Suspension must be of the twin beam, trailing arm type.

Beam is open. This includes width and manufacturer.

Trailing arms are open this includes width length and manufacturer.

Spindles are open.

SCR10 Shock Absorbers and Bump Stops



SCR11 Secondary Suspension

SCR12 Wheels and Tires

SCR13 Fasteners

STEERING AND BRAKE COMPONENTS

SCR14 Steering

SCR15 Brakes

ELECTRICAL SYSTEM

SCR16 Ignition

SCR17 Batteries

SCR18 Lights

SCR19 Starters

FUEL SYSTEM

SCR20 Fuel

SCR21 Fuel Tanks

Safety fuel cells are required

SCR22 Fuel Lines, Vents, Caps

ENGINE, TRANSMISSION AND DRIVELINE

SCR23 Engine and Engine Displacement

Engine must be VW air cooled type and conforms to the following:

- (1) it retains a maximum of two valves per cylinder.
- (2) Single seat vehicles do not displace more than 1776cc.
- (3) Two seat vehicles do not displace more than 1835cc.
- (4) All vehicles limited to 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.

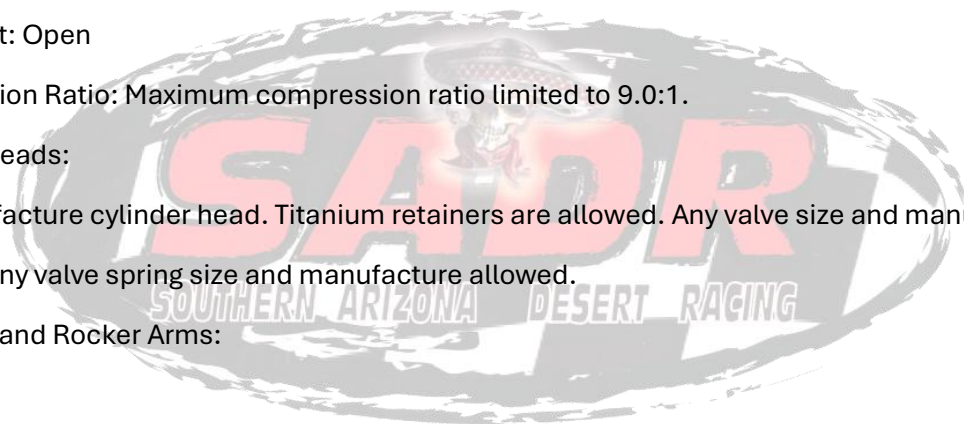
Oil pump and oil system:

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

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 SADR official present at the time of the protest. SADR 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 SADR 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 venturi 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

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

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 SXS SPORTSMAN: 1900-1949

CLASS SXS PRO NON-TURBO: 1950-1999

CLASS SXS PRO UNLIMITED : 2900-2999-3900-3999

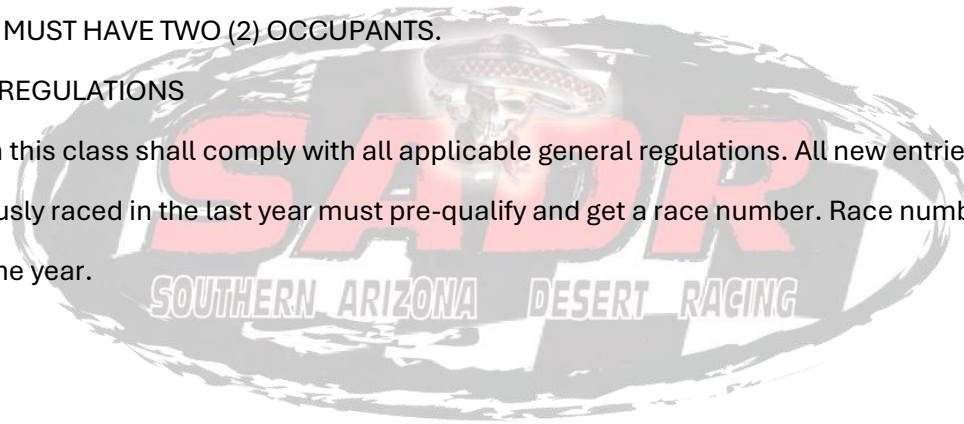
The pro SXS limited vehicles are built using production UTV'S, manufactured by registered companies that issues VIN #'s.

Companies must produce a minimum number of units to be accepted.

VEHICLES MUST HAVE TWO (2) OCCUPANTS.

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.



MINORS

To drive in any S.A.D.R 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.A.D.R 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 SPORTSMAN DESIGNATED NUMBERS: 1900 – 1949

SXS PRO NON-TURBO: 1950-1999

SXS PRO N/A DESIGNATED NUMBERS: 2900-2999- 3900-3999

SADR SXS RULE CHANGES EFFECTIVE 1-1-26

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

No class jumping

No removing passenger seats

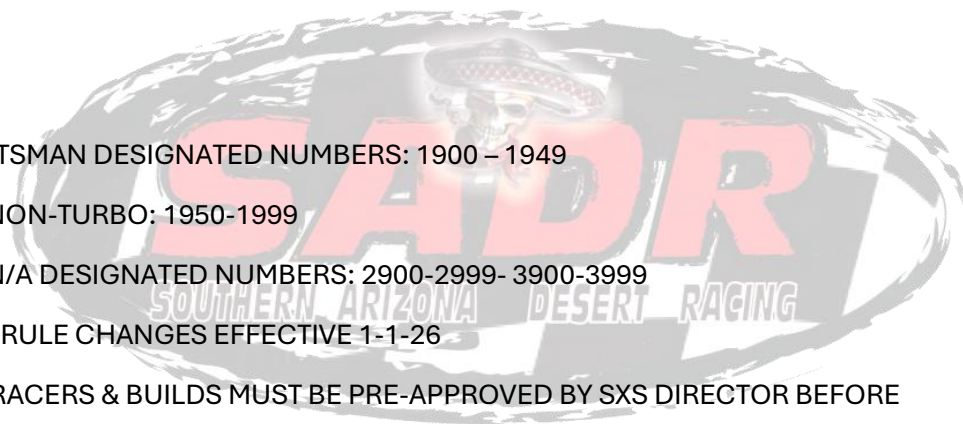
2 racers in SXS race cars (excluding RS1) at Qualifying events,

NO Stock SXS or stock cages or non-solid sides

35" tires max in all classes.

Stock fuel cells are allowed

No "Youth" classes



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.

SADR 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 SADR at any time. SADR 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

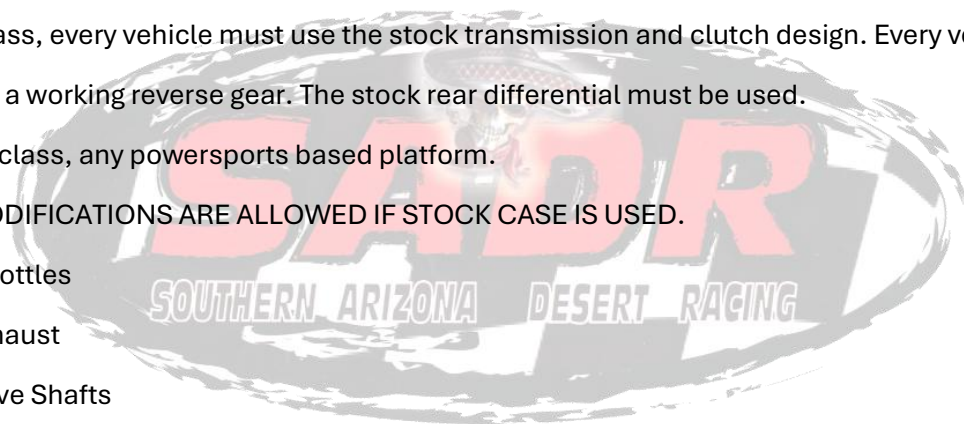
Oil coolers, transmission coolers and radiators located ahead of the driver and co-driver or in the passenger compartment must have a shroud that will prevent liquids from blowing back or leaking onto the driver and or co-driver in the event of a rupture or leakage. All hoses running through the passenger 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 SADR 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 SADR 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

