

# 2019 SALVAS MUDboss CLASS rules

(effective april 1<sup>st</sup> 2019)

## 1 Salvas MudBoss **BODIES** only

1.1 - Any minor modification to the body must be approved before being allowed

## 2 CHASSIS

- 2.1 - TRAXXAS 2wd (SLASH or RAPTOR) chassis only
- 2.2 - Original MFG suspension parts only, no other parts allowed (such as from RPM)
- 2.3 - Original MFG chassis parts only, no aftermarket hop-ups, no optional aluminium parts
- 2.4 - Front bumper, right side bumper and front body post brace must be removed
- 2.4.1 - Left side and rear bumpers can also be removed (if desired) \*\*rear RPM bumper is allowed\*\*
- 2.5 - TRAXXAS front optional bumper (TRA2735) can be used (angled down)
- 2.6 - Major alterations to the chassis or modification to drivetrain/suspension components is not allowed
- 2.7 - Electronics (rx/esc/amb) must be installed within chassis surface (no outside installation)
- 2.8 - Battery brace can be trimmed to allow different LiPo battery wire configuration

## 3 ELECTRONICS

- 3.1 - ROAR legal 17.5 and 13.5 sensored brushless motor  
[http://roarracing.com/approvals/print\\_brushlessmotors.php](http://roarracing.com/approvals/print_brushlessmotors.php) (approval date is set to August 1<sup>st</sup> 2018)
- 3.2 - spec SPEED CONTROLLER (no timing (boost) option possible....ie TEKIN SPEC, HW Justock, NOVAK GTB(#!/Edge...or any other ESC that has no timing (boost) profile available)
- 3.3 - Original TRAXXAS 2075 servo
- 3.3.1 - TRAXXAS 2075x (servo) AND TRAXXAS 2072x (gears) are allowed as 'alternative' parts/servo
- 3.3.2 - The "SAVOX SC-0252MG Digital Servo" is allowed, this is an 'alternative' servo
- 3.3.3 - SAVOX gear set (SAVSGSC0251MG) can be used to 'upgrade' the TRAXXAS 2075 to metal gears
- 3.4 - it is allowed to 'pin' the servo saver(white) or bell crank(black)...be advised the servo gears might get broken under a heavy crash!!!
- 3.4.1 - original TRAXXAS plastic servo saver/bell crank only (white or black system) it is allowed to mix the components (ie.. black servo horn with white bell crank)
- 3.4.2 - It is allowed to use a solid (one piece) servo horn (any brand)
- 3.5 - 2-cell 7.4v LiPo battery with a maximum of 5200mah and 50c, with external plug only (no "bullet type" connector)

## 4 ADJUSTMENTS

- 4.1 - TRAXXAS 76/83/86/90 spur with all transmission parts in place (slipper)
- 4.2 - Any pinion size
- 4.3 - No modifications can be made to the transmission's case (ie.. to allow a bigger gear ratio)
- 4.4 - The gear cover must be off at all times to allow for visual inspection (CARPET)...and removed if asked (DIRT)
- 4.5 - The only adjustments allowed to the car are those allowed by the original MFG components of the car
- 4.6 - You are allowed to use any original wheel spacer combination (Black, Grey or any combination of both types)
- 4.7 - Transmission functionality rule (motor can not spin while turning slowly one rear wheel a full turn)
- 4.8 - Traxxas SLASH \*STEEL\* transmission gears only (internal plastic transmission gears not allowed)
- 4.9 - Adding weight (in any way) is not allowed, wheel balancing is allowed (sole purpose of balancing, not to add weight)

## 5 SUSPENSION

- 5.1 - TRAXXAS 2WD plastic shocks only (grey or black version) (fronts in front, rears in rear)
- 5.2 - Original Rear(TRAXXAS 5858) and Front springs (TRAXXAS 5857) (no LCG kit springs or aftermarket springs)
- 5.3 - Front springs may be cut in order to shorten them (no more than 5 round removed on ONE end)
- 5.4 - The shock's travel may be shortened with internal shims (ie..fuel tube or solid shims...)
- 5.5 - Original shafts in original cylinder (length and type in proper cylinder)
- 5.6 - Original pistons from kit only (original 1,2 or 3 hole), no modifications can be made to them
- 5.7 - No front bump stop suspension, a single original blue bump stop can be used per rear shock (not mandatory)
- 5.8 - No shimming allowed (to reduce slop in suspension parts)
- 5.9 - All suspension parts (such as A-Arms) must remain in original positions it was designed for (no swapping left to right)
- 5.9.1 - rear camber links must remain in original height position (upper hole on shock tower not allowed)

## 6 CARPET OVAL (SMALL BLOCK CLASS) SPECIFIC RULES

- 6.1 - TRAXXAS Low CG chassis is allowed
- 6.2 - ROAR legal 17.5 sensored brushless motor (Stock 17.5 / Spec)  
[http://roarracing.com/approvals/print\\_brushlessmotors.php](http://roarracing.com/approvals/print_brushlessmotors.php) (approval date is set to August 1<sup>st</sup> 2018)
- 6.3 - JACO tires (JAC2055LP) only \*\*can be trued\*\* (must keep its FULL WIDTH, it is allowed to round the edges)
- 6.4 - Plastic Wheel cap are allowed with a max dia of 3.125" and must be secured with a min of 2 screws/wheel
- 6.5 - You may use a bead of "CA" type glue or "tape" to the RIGHT FRONT tire side wall to reduce the car's aggressiveness
- 6.6 - ODORLESS tire additives only (ie..SXT, J-DUB...)
- 6.7 - all other rules specified earlier in sections 1-2-3-4-5 stays the same

## 7 CARPET OVAL (BIG BLOCK CLASS) SPECIFIC RULES

- 7.1 - TRAXXAS Low CG chassis is allowed
- 7.2 - ROAR legal 13.5 sensored brushless motor (Stock 13.5 / Spec)  
[http://roarracing.com/approvals/print\\_brushlessmotors.php](http://roarracing.com/approvals/print_brushlessmotors.php) (approval date is set to August 1st 2018)
- 7.3 - JACO tires (JAC2055LP) only \*\*can be trued\*\* (must keep its FULL WIDTH, it is allowed to round the edges)
- 7.4 - Plastic Wheel cap are allowed with a max dia of 3.125" and must be secured with a min of 2 screws/wheel
- 7.5 - You may use a bead of "CA" type glue or "tape" to the RIGHT FRONT tire side wall to reduce the car's aggressiveness
- 7.6 - ODORLESS tire additives only (ie..SXT, J-DUB...)
- 7.7 - all other rules specified earlier in sections 1-2-3-4-5 stays the same

### CARPET OVAL SETUP SUGGESTION FOR 155' flat carpet with snowbird size ice

Ratio: 76 spur / 30 pinion (3.45" tires), 13.5 motor timing set at 50deg  
Shocks position : inner holes on front A-arms, 2<sup>nd</sup> hole from outside RR, 4<sup>th</sup> hole from outside LR  
4 rounds removed from LF spring / 3 rounds removed on RF spring  
2-hole pistons on lefts, 1-hole on rights / 50 wt oil in LR,LF and 80wt in RF,RR / 0.700" limiter (fuel tube) in front shocks / 0.800" (fuel tube) limiter in rear shocks / Rear hub carrier hinge pin location : use the LOWER hole  
"CA" glue on RF tire edge  
Camber: LF 3 RF -1 LR 2 RR -2

## 8 DIRT OVAL (SPORTSMAN CLASS) SPECIFIC RULES

- 8.1 - TRAXXAS SLASH or RAPTOR original chassis only (no LCG)
- 8.2 - any original TRAXXAS SLASH rubber tire/wheel/inserts (BFG / KUMHO / SPEC) any wheel combination of the SAME TIRE TYPE (ie..4 fronts, 4 rears, 3 front 1 rear...) \*NO "S1" compound\*
- 8.3 - No tire traction additives, Only a soft cleaner can be used for the sole purpose of cleaning the tire (ie..Simple Green)
- 8.4 - TRAXXAS 12t brushed motor AND XL5 esc ONLY
- 8.5 - \*\*GEAR RULE 16/90\*\*
- 8.6 - driver eligibility to be approved by local race committee (no cherry picking)
- 8.7 - all other rules specified earlier in sections 1-2-3-4-5 stays the same

## 9 DIRT OVAL (SMALL BLOCK CLASS) SPECIFIC RULES

- 9.1 - TRAXXAS SLASH or RAPTOR original chassis only (no LCG)
- 9.2 - TRAXXAS SLASH "SPEC" rubber tire/wheel/inserts only, any wheel combination of those (ie..4 fronts, 4 rears, 3 front 1 rear...) (part# TRA5863-64-71-73-75) \*NO "S1" compound\*
- 9.3 - No tire traction additives, Only a soft cleaner can be used for the sole purpose of cleaning the tire (ie..Simple Green)
- 9.4 - ROAR legal 17.5 sensored brushless motor (Stock 17.5 / Spec)  
[http://roarracing.com/approvals/print\\_brushlessmotors.php](http://roarracing.com/approvals/print_brushlessmotors.php) (approval date is set to August 1st 2018)
- 9.5 - \*\*GEAR RULE 23/86\*\*
- 9.6 - all other rules specified earlier in sections 1-2-3-4-5 stays the same

## 10 DIRT OVAL (BIG BLOCK CLASS) SPECIFIC RULES

- 10.1 - TRAXXAS Low CG chassis is allowed
- 10.2 - PROLINE #10153 HOOSIER M3 or M4 with oem blue inserts (any SC wheel)
- 10.3 - any ESC in BLINKY mode
- 10.4 - ROAR legal 13.5 sensored brushless motor (Stock 13.5 / Spec)  
[http://roarracing.com/approvals/print\\_brushlessmotors.php](http://roarracing.com/approvals/print_brushlessmotors.php) (approval date is set to August 1st 2018)
- 10.5 - all other rules specified earlier in sections 1-2-3-4-5 stays the same

### DIRT OVAL SETUP SUGGESTION FOR loose dirt type oval

Shocks position : inner holes on front A-arms, 2<sup>nd</sup> hole from outside RR LR  
4 rounds removed from front spring / 2-hole pistons / 25 wt oil in LR,RR and 20wt in LF,RF  
0.600" limiter (fuel tube) in LF,RF and RR shocks / 0.400" (fuel tube) limiter in LR shocks  
Rear hub carrier hinge pin location : use the UPPER hole  
Camber: LF 6 RF -2 LR 3 RR -3

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\*\*\*anything not mentioned in the above rules will not be allowed, or must be approved beforehand\*\*\*

RULES ARE SIMPLE, THIS CLASS IS MEANT TO BE 'SPEC' AND ALLOWS FOR CLOSE COMPETITION ON EQUAL GROUNDS FOR ALL. THIS CLASS IS ALSO MEANT TO SHOWCASE THE BEST DRIVER AND ALLOW FOR FUN! NO SECRETS OR 'VOODOO'. IF YOU WANT TO HIDE YOUR CAR OR RUN SOMETHING THAT COMPETITORS CAN'T RUN, THIS IS NOT THE CLASS FOR YOU. IF YOU WANT TO HAVE FUN IN A CLASS WHERE DRIVER AND SETUP ABILITY IS KING, YOU HAVE FOUND THE RIGHT DIVISION.