

## Mudboss 13.5 Class rules

### CHASSIS

TRAXXAS 2wd (SLASH or RAPTOR) chassis TRAXXAS Low CG chassis is allowed  
Original MFG suspension parts or RPM parts. No aluminum or any other brand upgrades.  
Original MFG chassis parts only, no aftermarket hop-ups, no optional aluminum parts  
Front bumper, right side bumper and front body post brace must be removed –  
Left side and rear bumpers can also be removed (if desired) \*\*rear RPM bumper is allowed\*\*  
TRAXXAS front optional bumper (TRA2735) can be used (angled down)  
Major alterations to the chassis or modification to drivetrain/suspension components is not allowed  
Electronics (rx/esc/amb) must be installed within chassis surface (no outside installation)  
Battery brace can be trimmed to allow different LiPo battery wire configuration

### Tires

Open Tire (Any SC wheel) (NO FOAMS)

### ELECTRONICS

- 3.1 - 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)
- 3.2 - Any ESC in BLINKY mode
- 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 6000mah and 50c.

### 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 cannot 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)

### 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 rounds 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)