

# MTRA VEHICLE CERTIFICATION CHECK SHEET 25.0

VEHICLE NAME & # \_\_\_\_\_

Date \_\_\_\_\_

**Comply [ ]**  
**Non-Comply [ ]**

*(These are brief descriptions of the rules, refer to the current MTRA rule book for complete rules.)*

Check box if rule applies 100%, [NA] if not applicable, otherwise give explanation on back.

< Owner/Driver must initial in the six check boxes verifying compliance and then sign bottom of sheet. (12/15/2016 Version #25.0)

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RULE #	✓	ABBREVIATED RULE DESCRIPTIONS	RULE #	✓	ABBREVIATED RULE DESCRIPTIONS
<b>SECTION "A" EXTERNAL CHECK</b>					
28		Rear kill Switch, (at rear most part of vehicle) pull type, must kill all battery power.	83-87		Driveline loops, 6" Rings 1 1/2" wide with Gussets - 7" Spacing - 4" Shield 3 1/2" Wide over Slip Joint. 5/8" Grade 8 Slide Rods, 1"x.156 Side Rails, 5/8"
31		Battery secured & covered with rubber, Lexan or plastic. <b>Dry or Gel type battery only.</b>	83-87		<b>Driveline Loops cont.</b> 1 Fixed Corner Slide Rod rosette welded, Loops welded vertically to Side Rails, 5/8" Grade 8 Bolts - Painted high visibility
32		External <b>crossover relief valve</b> - Bolted directly to orbital valve or remotely mounted	83-87		U-Joints enclosed 360 deg, min. 5" x 1/4" steel with 3 - 1" x 1/4" mounting straps. Rotator Devise on one end of each. U-Joints not visible from side, top
35		Shock accumulators mounted securely away from tires, 5/8" Bolts min. in double shear. Steel or Alum. clamps only. Single bolt clamps 3" below	88		Jack Shaft & Coupler; minimum 1350 u-joints, must have a 360 degree 1/4" steel shielding of shaft and u-joint; shield may be 2 pieces bolted together
36		Fuel tanks/fuel-cell securely mounted by minimum (2) 1/8"x1 straps. Anti-spill valve (no vented caps) Lines steel-braided or high-pres reinforced rubber. <b>4-Link Bars</b> ; minimum 2.5" lower - 2.25" upper, .250" wall DOM, minimum 1" Rod Ends (76,200 lbs rated), Grade 8 bolts in double shear.	89		Intermediate Splined shaft and Coupler (transercase to carrier bearing) enclosed 360 degrees. Intermediate Driveshaft meets Rules #83-87
37		Firewall & Windshield. 1/16" Steel or Aluminum firewall, 1/8" Polycarbonate/Lexan windshield, no Plexiglas. Driver protected from tire	90		Slip yoke min. penetration in all configurations 2", similar to driveshaft loops, clearance 2"; refer to drawing # 10.
42-43		Monster Truck Specific Containment Seat mounted to frame or outriggers with minimum (4) 3/8" Grade 8 bolts.	93-97		<b>Dual Braking System</b> , 2 master cyl. With individual lines front & rear, <b>steel billet brake rotors 3 tabs if not mounted on driveshaft voke, front brake</b>
45d-e		<b>Chassis built prior to 2017 - 8 point one piece rollcage - 2" diameter DOM Tubing with X-Brace within main hoop.</b>	<b>SECTION "B" INSPECTOR IN-CAB</b>		
55a-b		<b>Chassis built 2017+ - 12 point one piece rollcage - 2" DOM Tubing w/a-pillar &amp; outrigger support tubes, and 4-point main hoop. .188 wall attachment</b>	15-16		Rll transmitter & receiver. Engine will not start with Rll off. (Must be approved unit)
56		Steel Bodied vehicles - 6 point rollcage - Racing Not Allowed	23		Rll lights 12" from center in front.
58		<b>Dual Rollcage side bars - horizontal below window and floor height.</b>	24		Rll antenna mounted vertical up or down
92		<b>Split Ring type wheels not allowed</b>	25-27		Current Vehicle <b>Certification Check Sheet</b> displayed.
39		<b>Wheel Restraint System (Dual 3/8 cables in choker, 3/8 mounts, 5/8 clevis) or (2 capture points, 55+ degree coverage), 3/8 Rotor bolted all holes, 8-bolt</b>	29		Commercial <b>Back-up Alarm</b> mechanically activated automatically with shift lever in reverse.
<b>ENGINE</b>					
59		Engine exhaust must discharge vertical or rearwards at a 45 deg. down angle.	30		<b>Bright Light</b> mounted on rear of frame, mechanically activated automatically with shift lever in reverse.
60		Carburetor or injection butterfly shafts, <b>dual return to idle springs in separate locations.</b>	39		In-cab kill switch, shuts off all battery power, push to shut off.
62		Throttle linkage from cab to engine must be a positive push-pull type cable.	51		In-cab <b>fuel shutoff</b> , for fuel injected engines, with shutoff direction marked.
64-65		Normally aspirated or Single 8-71 Blower max 10% overdrive, Alum studs, belt-guards, w/restraints	40		Fire Suppression System with 6 properly placed nozzles (SFI 17.1)
66		Deflection shield, both sides of eng, crank to heads, min .250 (1/4") [6mm] thick steel or aluminum. Chassis tubes are not part of shield	41		Fire extinguisher 2-1/2 lbs. [1.125kg] Halon or ABC [Europe AFFF] with gauge & quick release. Max. 2 year inspection certificate.
67-68		Electric fans only. No cast iron or cast steel pulleys.	45		<b>5 pt Harness - 3" Lap &amp; 2" Shoulder Belts</b> , exception for ratchet straps (rule 45b)- SFI 16.1, <b>Date Stamp</b> good through Dec. 31st
69		Harmonic Balancers <b>Not Allowed</b>	47		No <b>fuel, fuel lines, batteries, radiators or water hoses</b> in driver's compartment; <b>steering hydraulic lines</b> must be shielded.
<b>TRANSMISSION &amp; CLUTCH</b>					
72		SFI 4.1 - 360 deg <b>trans blanket 18" [457mm] wide with bellhousing straps (cannot be burnt or torn) or SFI 4.1 nodular case and 30.1 bellhousing.</b>	52-53		Starter interrupt, only start in park or neutral and must have a reverse gear lockout
73		SFI 29.1 certified <b>flex plate 3 yr limit. If inspection hole is over 8" a 2" guard is required.</b>	63		Throttle toe strap, refer to drawing # 6 or it can be closed loop.
75		Lenco blanket & 360 deg. Coupler shield.	<b>SECTION "C" DRIVER IN-CAB and SIGNOFF</b>		
76		Clutch - approved explosion proof <b>bellhousing with manufacturers certification.</b>	39-40		Can the <b>driver</b> operate the kill switch and fire system with his eyes closed in his seat belted position.
77-78		Clutch inspection maintenance hole cannot be welded Refer to drawing # 7.	15-24 & 39		Test <b>Rll and Kill Switches</b> with engine running
81		Block saver plate between eng and bellhousing, flywheel must not be visible. <b>GM 2" lower guard required</b>	93		Foot operated <b>hyd. brakes</b> , max stop distance = veh. length at 10 mph [16KPH] <b>Owner/Driver initial required</b> - 9,000 lbs. [4883kg] min. weight with driver, fuel, water & oil.
<b>Driveline and Brakes</b>					
82		Driveshafts; 3.5" x .083" wall DOM tubing with 1480 Series U-joints, Billet End Yokes, Chain Drive transfer case <b>Not Allowed.</b>	34		No nitrous oxide, Nitro Methane or <b>combustion accelerators.</b>
			48		Tubular Rollcage & frame .120 DOM - Tubing repairs require 6" [150mm] internal sleeve. Refer to drawing #3.
			55a-e		Blower 16" [406mm] rotors with no internal modifications.
			64		Blower 16" [406mm] rotors with no internal modifications.
			71		575 cubic inch [9.422litres] maximum <b>engine size</b>
			80		Clutch - SFI approved flywheel

INSPECTORS NAME \_\_\_\_\_ MTRA Inspector # \_\_\_\_\_

SIGNATURE \_\_\_\_\_

PRINT

INSPECTOR SIGN

MTRA will make periodic certification checks throughout the year, violators will be subject to suspension.

Certification depends upon MTRA Driver status and receiving a MTRA Certification Decal number.

I, the undersigned, hereby agree to keep this vehicle in compliance with all MTRA rules.

OWNER/DRIVER \_\_\_\_\_

PRINT

**Certification Decal**

Number \_\_\_\_\_ Yr. \_\_\_\_\_

OWNER/DRIVER \_\_\_\_\_

Date \_\_\_\_\_

SIGN