

MTRA VEHICLE CERTIFICATION CHECK SHEET 24.3

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. (12/15/2015 Version #24.3)

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RULE #	✓	ABBREVIATED RULE DESCRIPTIONS	RULE #	✓	ABBREVIATED RULE DESCRIPTIONS
SECTION "A" EXTERNAL CHECK					
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" Female Rod Ends (Fig #8 & 9)
31		Battery secured & covered with rubber, Lexan or plastic. Dry or Gel type battery only.	83-87		Driveline Loops cont. 1 Fixed Corner Slide Rod rosette welded, Loops welded vertically to Side Rails, 5/8" Grade 8 Bolts - Painted high visibility contrast color.
32		External crossover relief valve - 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 or bottom. 2" max dist.
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 accumulator caps.	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/valves inside frame. Securely mounted by minimum (2) 1/8" x1 straps. Anti-spill valve (no vented caps) Lines steel-braided or high-pres reinforced rubber.	89		Intermediate Splined shaft and Coupler (transference to carrier bearing) enclosed 360 degrees. Intermediate Driveshaft meets Rules #83-87
37		4-Link Bars; minimum 2.5" lower - 2.25" upper, .250" wall DOM, minimum 1" Rod Ends (76,200 lbs rated), Grade 8 bolts in double shear.	90		Slip yoke min. penetration in all configurations 2" [50mm], similar to driveshaft loops, clearance 2" [50mm]; refer to drawing # 10.
43-44		Firewall & Windshield. 1/16" [3mm] Steel or Aluminum firewall, 1/8" [4mm] Polycarbonate/Lexan windshield, no Plexiglas. Driver protected from tire debris including floor.	94-97		Dual Braking System, 2 master cyl. With individual lines front & rear, steel billet brake rotors 3 tabs if not mounted on driveshaft yoke, front brake system mounted on axle.
45d		Seat mounted to frame or outriggers with minimum (4) 3/8" Grade 8 bolts.	SECTION "B" INSPECTOR IN-CAB		
55		Eight point one piece rollcage - 2" [50mm] diameter DOM Tubing; Refer to drawings # 2-5	15-16		RII transmitter & receiver. Engine will not start with RII off. (Must be approved unit)
55b		Rollcage "X" brace behind the driver extending from the frame to the top of the rollcage; refer to drawing # 2.	23		RII lights 12" from center in front.
57		Roll bar padding within 18" of drivers head, above shoulders, 3/4" [19mm] thick. Exclusion for area behind headrest for seats with head restraints	24		RII antenna mounted vertical up or down
58		2 Rollcage side bars; refer to drawing # 4.	25-27		Current Vehicle Certification Check Sheet displayed.
92		Split Ring type wheels not allowed	29		Commercial Back-up Alarm mechanically activated automatically with shift lever in reverse.
39		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 min. or welded 360	30		Bright Light mounted on rear of frame, mechanically activated automatically with shift lever in reverse.
ENGINE					
59		Engine exhaust must discharge vertical or rearwards at a 45 deg. down angle.	40		In-cab kill switch, shuts off all battery power, push to shut off.
60		Carburetor or injection butterfly shafts, dual return to idle springs 2 locations.	51		In-cab fuel shutoff, for fuel injected engines, with shutoff direction marked.
62		Throttle linkage from cab to engine must be a positive push-pull type cable.	41		Fire Suppression System with 6 properly placed nozzles (SFI 17.1)
64-65		Blower max 10% overdrive, 871, Alum studs, belt-guards, restraints	42		Fire extinguisher 2-1/2 lbs. [1.125kg] Halon or ABC [Europe AFFF] with gauge & quick release. Max. 2 year inspection certificate.
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	45		5 pt Harness - 3" Lap & 2" Shoulder Belts, exception for ratchet straps (rule 45b)- SFI 16.1, Date Stamp _____ good through Dec. 31st
67-68		Electric fans only. No cast iron or cast steel pulleys.	47		No fuel, fuel lines, batteries, radiators or water hoses in driver's compartment; steering hydraulic lines must be shielded.
69		Harmonic Balancers Not Allowed	52-53		Starter interrupt, only start in park or neutral and must have a reverse gear lockout
TRANSMISSION & CLUTCH					
72		SFI 4.1 - 360 deg trans blanket 18" [457mm] wide with bellhousing straps (cannot be burnt or torn) or SFI 4.1 nodular case and 30.1 bellhousing.	63		Throttle toe strap, refer to drawing # 6 or it can be closed loop.
73		SFI 29.1 certified flex plate 3 yr limit. If inspection hole is over 8" a 2" guard is required.	SECTION "C" DRIVER IN-CAB and SIGNOFF		
75		Lenco blanket & 360 deg. Coupler shield.	40-41		Can the driver operate the kill switch and fire system with his eyes closed in his seat belted position (rules # 38 & 39).
76		Clutch - approved explosion proof bellhousing with manufacturers certification.	15-16-28-40		Test RII and Kill Switches with engine running
77-78		Clutch inspection maintenance hole cannot be welded Refer to drawing # 7.	93		Foot operated hyd. brakes, max stop distance = veh. length at 10 mph [16KPH]
81		Block saver plate between eng and bellhousing, flywheel must not be visible. GM 2" lower guard required	34		Owner/Driver initial required - 9,000 lbs. [4883kg] min. weight with driver, fuel, water & oil.
Driveline and Brakes					
82		Driveshafts; 3.5" x .083" wall DOM tubing with 1480 Series U-joints, Billet End Yokes, Chain Drive transfer case Not Allowed.	48		No nitrous oxide, Nitro Methane or combustion accelerators.
			55-58		Tubular Rollcage & frame .120 DOM - Tubing repairs require 6" [150mm] internal sleeve. Refer to drawing #3.
			64		Blower 16" [406mm] rotors with no internal modifications.
			71		575 cubic inch [9.422litres] maximum engine size
			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

OWNER/DRIVER _____

SIGN

Certification Decal

Number _____ Yr. _____

Date _____