

MTRA VEHICLE CERTIFICATION CHECK SHEET 24.1

Comply

Non-Comply

VEHICLE NAME & # _____

Date _____

(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. (02/28/2014 Version #24.1)

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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.	85		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.	85		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	90-91		Jack shafts & couplers must have a 360 degrees enclosure covering shaft and u-joint; mounting similar to driveshaft rules.
35		Shock accumulators mounted securely in a position to avoid contact with tires.	92		Slip yoke min. penetration in all configurations 2" [50mm], similar to driveshaft loops, clearance 2" [50mm]; refer to drawing # 10.
36-37		Fuel tanks/fuel-cell/valves inside frame. Secure mount/anti-spill. Lines steel-braided or high-pres reinforced rubber.	86-88		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.
44		Driver protection from front tire debris including the entire floor area.	95-97		Dual brake system, 2 master cyl, one pedal, individual lines front & rear.
43		Firewall & Windshield. 1/16" [3mm] Steel or Aluminum firewall, 1/8" [4mm] Polycarbonate/Lexan windshield, no Plexiglas.	98		Steel billet brake rotors 3 tabs where necessary; refer to drawing # 9.
46		Seat mounted to frame or outriggers with minimum (4) 3/8" Grade 8 bolts.	SECTION "B" INSPECTOR IN-CAB		
56		Eight point one piece rollcage - 2" [50mm] diameter DOM Tubing; Refer to drawings # 2 to 5.	15-16		RII transmitter & receiver. Engine will not start with RII off. (Must be approved unit)
57		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.
59		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
57		2 Rollcage side bars; refer to drawing # 4.	25-27		Current Vehicle Certification Check Sheet displayed.
94		Split Ring type wheels not allowed	29		Commercial Back-up Alarm mechanically activated automatically with shift lever in reverse.
39		Wheel Restraint System (3/8 cable in choker, 3/8 mount, 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			40		In-cab kill switch, shuts off all battery power, push to shut off.
61		Engine exhaust must discharge vertical or rearwards at a 45 deg. down angle.	52		In-cab fuel shutoff, for fuel injected engines, with shutoff direction marked.
62		Carburetor or injection butterfly shafts, dual return to idle springs 2 locations.	41		Fire Suppression System with 6 properly placed nozzles (SFI 17.1)
64		Throttle linkage from cab to engine must be a positive push-pull type cable.	42		Fire extinguisher 2-1/2 lbs. [1.125kg] Halon or ABC [Europe AFFF] with gauge & quick release. Max. 2 year inspection certificate.
66-67		Blower max 10% overdrive, 871, Alum studs, belt-guards, restraints	45		5 pt Harness - 3" [75mm] Lap & 2" [50mm] Shoulder Belts - SFI 16.1, mounted to frame or outriggers, date stamp max. 2 yr. (Ref. to fig. 1) Exception for ratchet straps (rule 45b)
68		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	48		No fuel, fuel lines, batteries, radiators or water hoses in driver's compartment; steering hydraulic lines must be shielded.
69-70		Electric fans only. No cast iron or cast steel pulleys.	53-54		Starter interrupt, only start in park or neutral and must have a reverse gear lockout
71		Harmonic Balancers Not Allowed	65		Throttle toe strap, refer to drawing # 6 or it can be closed loop.
TRANSMISSION & CLUTCH			SECTION "C" DRIVER IN-CAB and SIGNOFF		
74		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.	40-41		Can the driver operate the kill switch and fire system with his eyes closed in his seat belted position (rules # 38 & 39).
75-76		SFI 29.1 certified flex plate 3 yr limit. If inspection hole is over 8" a 2" guard is required.	15-16-28-40		Test RII and Kill Switches with engine running
77		Lenco blanket & 360 deg. Coupler shield.	95		Foot operated hyd. brakes, max stop distance = veh. length at 10 mph [16KPH]
78		Clutch - approved explosion proof bellhousing with manufacturers certification.	34		Owner/Driver initial required - 9,000 lbs. [4883kg] min. weight with driver, fuel, water & oil.
80-81		Clutch inspection maintenance hole cannot be welded Refer to drawing # 7.	49		No nitrous oxide, Nitro Methane or combustion accelerators.
83		Clutch - full blocksaver plate between eng and bellhousing, flywheel must not be visible. GM 2" lower guard required	56-58		Tubular Rollcage & frame .120 DOM - Tubing repairs require 6" [150mm] internal sleeve. Refer to drawing #3.
Driveline and Brakes			66-67		Blower 16" [406mm] rotors with no internal modifications.
84		Chain drive transercase must meet specs on page 50-51	73		575 cubic inch [9.422litres] maximum engine size
			78		Clutch - SFI approved flywheel

INSPECTORS NAME

MTRA Inspector # _____

SIGNATURE _____

P R I N T

I N S P E C T O R S I G N

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 _____

P R I N T

OWNER/DRIVER _____

S I G N

Certification Decal

Number _____ Yr. _____

Date _____