

MTRA VEHICLE CERTIFICATION CHECK SHEET 23.1

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. (02/01/2010 Version #22.1)

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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, max 12" [305mm] apart, 2" from shaft, min. 2 loops, material 1/4" [6mm] x 3/4" [19mm] min. steel only; refer draw # 8 & 9.
31		Battery secured & covered with rubber, Lexan or plastic. Dry or Gel type battery only.	86-87		Driveline loops, 360 deg & round, attached with 2, 3/8" [8mm] grade 5 bolts; refer to drawings # 8 & 9.
32		External crossover relief valve - Bolted directly to orbital valve or remotely mounted	88-89		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.	90		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.	91-92		U-Joints enclosed 360 deg, min. 4" [100mm] x 1/4" [6mm] steel with 3 - 1" [25mm] X 1/4" [6mm] mounting straps. Guard distance 2" [50mm].
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.	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.
57		Rollcage "X" brace behind the driver extending from the frame to the top of the rollcage; refer to drawing # 2.	23-24		RII lights 12" from center in front. RII numbers, 2" by 2", must be visible on the right side of the windshield or fender.
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's must be MTRA approved units only, 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					
61		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.
62		Carburetor or injection butterfly shafts, dual return to idle springs 2 locations.	52		In-cab fuel shutoff, for fuel injected engines, with shutoff direction marked.
64		Throttle linkage from cab to engine must be a positive push-pull type cable.	41		Fire retardant system with 6 properly placed nozzles .
66-67		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.
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	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)
69-70		Electric fans only. No cast iron or cast steel pulleys.	48		No fuel, fuel lines, batteries, radiators or water hoses in driver's compartment; steering hydraulic lines must be shielded.
71		Harmonic Balancers Not Allowed	53-54		Starter interrupt, only start in park or neutral and must have a reverse gear lockout
TRANSMISSION & CLUTCH					
74		SFI 4.1 - 360 deg trans blanket 18" [457mm] wide with bellhousing straps, cannot be burnt or torn. Check rule #70 for exceptions	65		Throttle toe strap, refer to drawing # 6 or it can be closed loop.
75-76		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		
77		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).
78		Clutch - approved explosion proof bellhousing with manufacturers certification.	15-16-28-40		Test RII and Kill Switches with engine running
80-81		Clutch inspection maintenance hole cannot be welded Refer to drawing # 7.	95		Foot operated hyd. brakes, max stop distance = veh. length at 10 mph [16KPH]
83		Clutch - full blocksaver 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					
84		Chain drive transercase must meet specs on page 47-48	49		No nitrous oxide, Nitro Methane or combustion accelerators.
			56-58		Tubular Rollcage & frame .120 DOM - Tubing repairs require 6" [150mm] internal sleeve. Refer to drawing #3.
			66-67		Blower 16" [406mm] rotors with no internal modifications.
			73		575 cubic inch [9.422litres] maximum engine size
			78		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 _____

Date _____

SIGN

Certification Decal

Number _____ Yr. _____