

MTRA VEHICLE CERTIFICATION CHECK SHEET

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. (11/21/2007 Revision #20)

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Comply []

Non-Comply []

RULE #	✓	ABBREVIATED RULE DESCRIPTIONS	RULE #	✓	ABBREVIATED RULE DESCRIPTIONS
SECTION "A" EXTERNAL CHECK					
3 to 6		Helmet SFI 31.1, 31.1A, 31.2A, Snell SA2000 - multi-layer fire retardant suit SFI 3-2A/15 - shoes & gloves SFI 3.3/5	80		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.
27		Rear kill Switch, (at rear most part of vehicle) pull type, must kill all battery power.	81/82		Driveline loops, 360 deg & round, not attached to anything rotating & attached with 2, 3/8" [8mm] grade 5 bolts; refer to drawings # 8 & 9.
29		Battery secured & covered with rubber, Lexan or plastic. Dry or Gel type battery only.	83/84		Jack shafts & couplers must have a 360 degrees enclosure covering shaft and u-joint; mounting similar to driveshaft rules.
31		External crossover relief valve bolted directly to the orbiter.	85		Slip yoke min. penetration in all configurations 2" [50mm], similar to driveshaft loops, clearance 2" [50mm]; refer to drawing # 10.
34		Shock accumulators mounted securely in a position to avoid contact with tires.	86/87		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].
35/36		Fuel tanks/fuel-cell/valves inside frame. Secure mount/anti-spill. Lines steel-braided or high-pres reinforced rubber.	90/91		Dual brake system, 2 master cyl, one pedal, individual lines front & rear.
42		Driver protection from front tire debris including the entire floor area	93/94		Steel billet brake rotors 3 tabs where necessary; refer to drawing # 9.
41		Firewall & Windshield. 1/16" [3mm] Steel or Aluminum firewall, 1/8" [4mm] Polycarbonate/Lexan windshield, no Plexiglas.	SECTION "B" INSPECTOR IN-CAB		
44		Seat mounted to frame or outriggers.	15/16		RII transmitter & receiver. Engine will not start with RII off.
53/55		Eight point one piece rollcage - 2" [50mm] diameter DOM Tubing; refer to drawings # 2 to 5.	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.
54		Rollcage "X" brace behind the driver extending from the frame to the top of the rollcage; refer to drawing # 2.	24		RII's must be MTRA approved units only, RII antenna mounted vertical up or down
56		Roll bar padding within 18" of drivers head, above shoulders, 3/4" [19mm] thick.	26		Current Vehicle Certification Check Sheet displayed.
57		2 Rollcage side bars; refer to drawing # 4.	28		Commercial back-up alarm, mechanically activated with shift lever in reverse.
ENGINE					
58		Eng exhaust must discharge vertical or rearwards at a 45 deg. down angle.	38		In-cab kill switch, shuts off all battery power, push to shut off.
59		Carburetor or injection butterfly shafts, dual return to idle springs 2 locations.	50		In-cab fuel shutoff, for fuel injected engines, with shutoff direction marked.
60		Throttle linkage from cab to engine must be a positive push-pull type cable.	39		Fire retardant system with 6 properly placed nozzles .
62/63		Blower max 10% overdrive, 871, Alum studs, belt-guards, restraints	40		Fire extinguisher 2-1/2 lbs. [1.125kg] Halon or ABC [Europe AFFF] with gauge & quick release. Max. 2 year inspection certificate.
64		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	43		3" [75mm] 5 pt harness SFI 16.1 mounted to frame or outriggers, date stamp max. 2 yr. (Ref. to fig. 1) Exception for ratchet straps (rule 43)
65/66		Electric fans only. No cast iron or cast steel pulleys.	46		No fuel, fuel lines, batteries, radiators or water hoses in driver's compartment; steering hydraulic lines must be shielded.
67		Approved harmonic balancer or a shield.	51/52		Starter interrupt, only start in park or neutral and must have a reverse gear lockout
TRANSMISSION & CLUTCH					
70		SFI 4.1 - 360 deg trans blanket 18" [457mm] wide with bellhousing straps, cannot be burnt or torn. Check rule #70 for exceptions	61		Throttle toe strap, refer to drawing # 6 or it can be closed loop.
71		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		
72		Lenco blanket & 360 deg. Coupler shield.	38/39		Can the driver operate the kill switch and fire system with his eyes closed in his seat belted position (rules # 38 & 39).
73		Clutch - approved explosion proof bellhousing with manufacturers certification.	15/16		Test RII with engine running
74/76		Clutch inspection maintenance hole cannot be welded refer to drawing # 7.	27/38		Foot operated hyd. brakes, max stop distance = veh. length at 10 mph [16KPH]
78		Clutch - full blocksaver plate between eng and bellhousing, flywheel must not be visible. GM 2" lower guard required	90		Owner/Driver initial required
Driveline and Brakes					
79		Chain drive transercase must meet specs on page 47/48	33		9,000 lbs. [4883kg] min. weight with driver, fuel, water & oil.
			47		No nitrous oxide, Nitro Methane or combustion accelerators.
			53/55		Tubular Rollcage & frame .120 DOM - Tubing repairs require 6" [150mm] internal sleeve. Refer to drawing #3.
			62/63		Blower 16" [406mm] rotors with no internal modifications.
			69		575 cubic inch [9.422litres] maximum engine size
			77		Clutch - SFI approved flywheel

INSPECTORS NAME _____ MTRA Inspector # _____ SIGNATURE _____
P R I N T 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.

Certification Decal

Number _____ Yr. _____

OWNER/DRIVER _____
P R I N T

OWNER/DRIVER _____
S I G N Date _____