

# 2008 MTRA VEHICLE CERTIFICATION CHECK SHEET

**PASS [ ]**  
**FAIL [ ]**

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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RULE #	✓	ABBREVIATED RULE DESCRIPTIONS	RULE #	✓	ABBREVIATED RULE DESCRIPTIONS
<b>SECTION "A" EXTERNAL CHECK</b>					
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.	83/84		Jack shafts & couplers must have a 360 degrees enclosure covering shaft and u-joint; mounting similar to driveshaft rules.
31		Dry or Gel type battery only.	85		Slip yoke min. penetration in all configurations 2" [50mm], similar to driveshaft loops, clearance 2" [50mm]; refer to drawing # 10.
34		External crossover relief valve bolted directly to the orbiter.	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		Shock accumulators mounted securely in a position to avoid contact with tires.	90/91		Dual brake system, 2 master cyl, one pedal, individual lines front & rear.
42		Fuel tanks/fuel-cell/valves inside frame. Secure mount/anti-spill. Lines steel-braided or high-pres reinforced rubber.	93/94		Steel billet brake rotors 3 tabs where necessary; refer to drawing # 9.
44		Driver protection from front tire debris including the entire floor area	<b>SECTION "B" INSPECTOR IN-CAB</b>		
41		Firewall & Windshield. 1/16" [3mm] Steel or Aluminum firewall, 1/8" [4mm] Polycarbonate/Lexan windshield, no Plexiglas.	15/16		RII transmitter & receiver. Engine will not start with RII off.
53/55		Seat mounted to frame or outriggers.	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		Eight point one piece rollcage - 2" [50mm] diameter DOM Tubing; refer to drawings # 2 to 5.	24		RII's must be MTRA approved units only, antenna mounted vertical up or down <span style="float: right;">RII</span>
56		Rollcage "X" brace behind the driver extending from the frame to the top of the rollcage; refer to drawing # 2.	26		Current Vehicle Certification Check Sheet displayed.
57		Roll bar padding within 18" of drivers head, above shoulders, 3/4" [19mm] thick.	28		Commercial back-up alarm, mechanically activated with shift lever in reverse.
58		2 Rollcage side bars; refer to drawing # 4.	38		In-cab kill switch, shuts off all battery power, push to shut off.
<b>ENGINE</b>			50		In-cab fuel shutoff, for fuel injected engines, with shutoff direction marked.
59		Eng exhaust must discharge vertical or rearwards at a 45 deg. down angle.	39		Fire retardant system with 6 properly placed nozzles.
60		Carburetor or injection butterfly shafts, dual return to idle springs 2 locations.	40		Fire extinguisher 2-1/2 lbs. [1.125kg] Halon or ABC [Europe AFFF] with gauge & quick release. Max. 2 year inspection certificate.
62/63		Throttle linkage from cab to engine must be a positive push-pull type cable.	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)
64		Blower max 10% overdrive, 871, Alum studs, belt-guards, restraints	46		No fuel, fuel lines, batteries, radiators or water hoses in driver's compartment; steering hydraulic lines must be shielded.
65/66		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	51/52		Starter interrupt, only start in park or neutral and must have a reverse gear lockout
67		Electric fans only. No cast iron or cast steel pulleys.	61		Throttle toe strap, refer to drawing # 6 or it can be closed loop.
67		Approved harmonic balancer or a shield.	<b>SECTION "C" DRIVER IN-CAB and SIGNOFF</b>		
<b>TRANSMISSION &amp; CLUTCH</b>			38/39		Can the driver operate the kill switch and fire system with his eyes closed in his seat belted position (rules # 38 & 39).
70		SFI 4.1 - 360 deg trans blanket 18" [457mm] wide with bellhousing straps, cannot be burnt or torn. Check rule #70 for exceptions	15/16		Test RII with engine running
71		SFI 29.1 certified flex plate 3 yr limit. If inspection hole is over 8" a 2" guard is required.	27/38		Foot operated hyd. brakes, max stop distance = veh. length at 10 mph [16KPH]
72		Lenco blanket & 360 deg. Coupler shield.	90		Owner/Driver initial required -
73		Clutch - approved explosion proof bellhousing with manufacturers certification.	33		9,000 lbs. [4883kg] min. weight with driver, fuel, water & oil.
74/76		Clutch inspection maintenance hole cannot be welded refer to drawing # 7.	47		No nitrous oxide, Nitro Methane or combustion accelerators.
78		Clutch - full blocksaver plate between eng and bellhousing, flywheel must not be visible. GM 2" lower guard required	53/55		Tubular Rollcage & frame .120 DOM - Tubing repairs require 6" [150mm] internal sleeve. Refer to drawing #3.
<b>Driveline and Brakes</b>			62/63		Blower 16" [406mm] rotors with no internal modifications.
79		Chain drive trans case must meet specs on page 47/48	69		575 cubic inch [9.422litres] maximum engine size
			77		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

Date \_\_\_\_\_

**Certification Decal**

Number \_\_\_\_\_

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