

# 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
<b>SECTION "A" EXTERNAL CHECK</b>					
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. <b>Dry or Gel type battery only.</b>	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.	<b>SECTION "B" INSPECTOR IN-CAB</b>		
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.
<b>ENGINE</b>					
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
<b>TRANSMISSION &amp; CLUTCH</b>					
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.	<b>SECTION "C" DRIVER IN-CAB and SIGNOFF</b>		
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.
<b>Driveline and Brakes</b>					
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

**Certification Decal**

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

OWNER/DRIVER \_\_\_\_\_

Date \_\_\_\_\_

SIGN