

Bill 14

**Changes to Vehicle Inspections due to
The Traffic and Transportation Modernization Act**



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Public Insurance**

Logistics

About this session

1. Introductions
2. Session Attendance
3. Session Duration

Session Ground Rules

Please turn off wireless devices

Agenda

1. Intro to Bill 14: The Traffic and Transportation Modernization Act
2. Regulations Changes
3. Definitions
4. New Motorcycle Items for Inspection
5. Certificate of Inspection (COI) Forms
6. Wrap Up

Learning Outcomes

1. Describe the intent of The Traffic and Transportation Modernization Act.
2. Understand the requirements for light vehicle inspections outlined in the Vehicle Equipment Regulation.
3. Apply the new Vehicle Equipment Regulation criteria when completing a light vehicle inspection.

Agenda

- › **Intro to Bill 14: The Traffic and Transportation Modernization Act**
- › Regulations Changes
- › Definitions
- › New Motorcycle Items for Inspection
- › COI Forms
- › Wrap Up



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Introduction to Bill 14

Government of Manitoba Legislation

1. Bill 14, The Traffic and Transportation Modernization Act and proposed regulations will come into force on March 1, 2019.
2. The Traffic and Transportation Modernization Act proposes to make amendments to The Drivers and Vehicles Act (DVA), The Highway Traffic Act (HTA), The Manitoba Public Insurance Act and The Provincial Railways Act. Transportation Infrastructure Act is proposed to replace The Highways and Transportation Act and The Highways Protection Act.
3. Elimination of the Motor Transport Board (MTB) and Highway Traffic Board.

Traffic and Transportation Modernization Act

About Bill 14

The impact to vehicle inspections is as follows:

- › Sections and subsections within the HTA will be **moved** or **removed**.
- › Inspection Handbook is updated
- › The Certificate of Inspection process will be aligned with the new vehicle equipment regulations.

Agenda

- › Intro to Bill 14: The Traffic and Transportation Modernization Act
- › **Regulations Changes**
- › Definitions
- › New Motorcycle Items for Inspection
- › COI Forms
- › Wrap Up



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Regulation Changes



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Regulation Changes

Understanding the Why?

- › Reasons for the current change
 - Equipment standards were scattered throughout The HTA and difficult to locate
 - Many standards were outdated
- › **Specific changes to the Regulations**
 - There are numerous regulations that require specialized attention
 - The following slides cover specific changes

Regulation Changes

Section 2.2 (1) Item 18

Wheel Spray Protection

A body structure, including frame if the body style is body-on-frame, sufficient to safely support the vehicle's other required equipment, the number of persons it is designed to carry and any load within its GVWR. The body structure must:

(a) provide adequate protection to effectively reduce wheel splash or spray to the vehicle's rear and, if the body does not provide adequate splash or spray protection in relation to a particular wheel, the vehicle must be equipped with a fender or mud flap that provides adequate splash and spray protection for the wheel

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Vehicle Definitions

1

Modified Vehicle

- a) A vehicle whose frame and/or suspension has been altered from its original design, through substitution of original parts, to an extent that the vehicle ride height is no longer within the manufacturer's ride height specifications; or
- b) A homemade vehicle, u-built vehicle, antique reproduction vehicle or other similar specially constructed vehicle that was not issued a National Safety Mark at the time of manufacture; but does not include a vehicle that is altered by changing its engine or installing frame stiffeners.

Vehicle Definitions

1

Japanese Industry Standard.

› JIS

2

High intensity discharge.

› HID

3

Supplemental restraint system (supplemental inflatable restraints, SIS).

› SRS

Vehicle Definitions

1

LED

Light emitting diode.

2

Level 1 Leak

Seepage of fluid or liquid that is not great enough to form drops.

3

Level 2 Leak

Seepage of fluid or liquid that is great enough to form drops, but not great enough to cause the drops to fall during inspection.

4

Level 3 Leak

Seepage of fluid or liquid that forms drops and is great enough to cause the drops to fall during inspection.

Vehicle Definitions

1

Track Width

Distance between the center points of a vehicle's left tire tread and right tire tread.

2

Scrub line

The scrub line is the plane formed from lines joining the lowest edge of each rim of a vehicle.

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- › COI Forms
- › Wrap Up

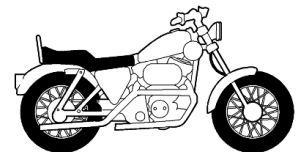


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Inspection Handbook

Motorcycles

- › This section covers the additional items required for motorcycle inspections.



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New Motorcycle Items

Section 1.3.2 Electric or Hybrid Vehicles

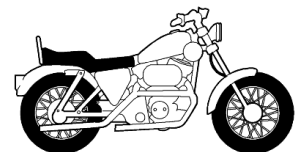
High voltage cables

Additional Inspection Procedure(s):

“High voltage systems should be inspected using all the manufacturer's safety precautions, procedures and equipment. ”

Hazardous Conditions:

“High voltage cable is exposed. Any sign of shorting, arcing or hot spot at or near any electrical component or wiring. Traction battery is damaged or has level 1, level 2, or level 3 leak.”



New Motorcycle Items

Section 2 Suspension

2.2 Suspension Components

a) swing arm

b) swing arm bushing and bearings

c) shock absorbers and springs

d) shock absorber mounting hardware

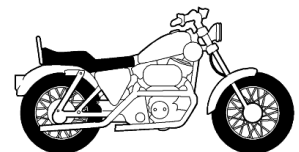
e) shock absorber bushings

f) front fork assembly

g) front fork seals

h) front fork length

i) road clearance

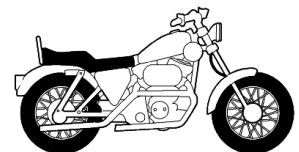


New Motorcycle Items

Section 2 Suspension

2.3 Computer Controlled Air Suspension System

- a) air springs
- b) lines
- c) spring mounting
- d) compressor
- e) compressor relay
- f) control module
- g) height sensors
- h) switch



New Motorcycle Items

Section 3 Brake System

3.3 Anti-Lock Brakes

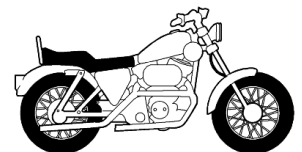
a) indicator lamp

New Motorcycle Items

Section 4 Steering System

4.2 Motor Tricycle Steering System

- a) tie rod ends and inner sleeve socket
- b) pitman arm
- c) steering column
- d) ball joints
- e) sway bar bushings
- f) control arm
- g) steering shaft and couplers
- h) power steering box and module



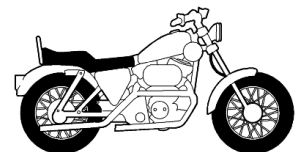
New Motorcycle Items

Section 5 Instruments and Auxiliary Equipment

5.4 Air Bag Readiness Light

Note: “Applies to motorcycles with OEM equipped airbags only.”

5.5 Air Bag Cover



New Motorcycle Items

Section 5 Instruments and Auxiliary Equipment

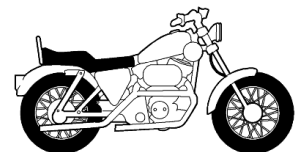
5.6 Trailer Hitch

a) mounting

5.7 Side Car Assemblies

5.8 Other Auxiliary Equipment

a) auxiliary equipment



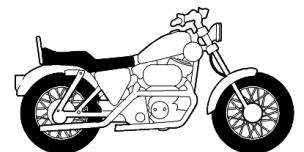
New Motorcycle Items

Section 6 Lamps

6.1.Lamps

a) all lamps

Reject if **“any single LED assembly that is not a headlamp has 25% or more of the LEDs inoperative.”**



New Motorcycle Items

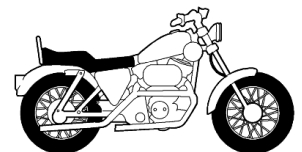
Section 6 Lamps

6.1.Lamps

b) headlamps (motorcycle type marked "M")

"Note: "E" Code frontal illumination markings are compliant if labeled: **C CR C/R HC HC/R DC DCR DC/R HCHR DCHR"**

Reject if "any non-OEM lamp does not display DOT, SAE, or compliant "E" Code markings and proper lamp type coding, or the manufacturer has not provided a product compliance certificate."



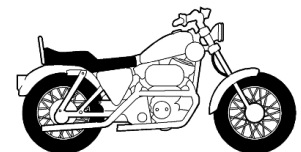
New Motorcycle Items

Section 6 Lamps

6.3 Prohibited Lighting

a) prohibited lighting

Reject if “not approved by the registrar through the issuance of a special lighting permit.”

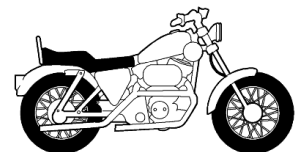


New Motorcycle Items

Section 8 Frame and Sheet Metal

8.1 Frame

“When mechanic conducting an inspection is in doubt as to the integrity of a structural component, written verification of compliance from an OEM or Manitoba Public Insurance accredited repair facility is required.”



New Motorcycle Items

Section 9 Tires and Wheels

9.2 Wheels

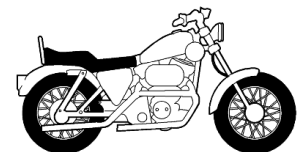
a) wheels and rims

b) axle nuts

c) steering alignment

Additional Inspection Procedure(s)

“For ease of inspection, a series of three parallel lines, 25 mm (1 in.) apart, on the floor of the inspection area may be used. Centre the front tire on the centre reference line and observe tracking of the rear wheel as the motorcycle is moved forward along the line a minimum of twice the length of the vehicle.”



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Certificate of Inspection



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Date Inspection Started DAY <input type="text"/> MO. <input type="text"/> YR. <input type="text"/> Date Inspection Completed DAY <input type="text"/> MO. <input type="text"/> YR. <input type="text"/> Inspection Copy DAY <input type="text"/> MO. <input type="text"/> YR. <input type="text"/>	TYPE OF VEHICLE: <input type="checkbox"/> Passenger Vehicle <input type="checkbox"/> Motorcycle <input type="checkbox"/> Truck under 4,500 kg Station Number <input type="text"/> Station Name <input type="text"/> City <input type="text"/> Mechanic Number <input type="text"/> Mechanic Signature <input type="text"/> Station Phone Number <input type="text"/> Vehicle Owner <input type="text"/> Address <input type="text"/> City <input type="text"/> Province <input type="text"/> Postal Code <input type="text"/> Phone <input type="text"/> License Number <input type="text"/> V.I.N./Frame Number <input type="text"/> Odometer Reading <input type="text"/> Mile <input type="text"/> Km <input type="text"/> Year <input type="text"/> Make <input type="text"/> Model <input type="text"/> Year <input type="text"/>
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Mark the "F" box with a "X" when an item is rejected, "JC" if Hazardous. Mark the "P" box with an "X" when corrected or no defects found in the section.

P	R	Item	Ref #
		DRIVER'S CONTROLS	
		01 Vehicle Identification Number	Sec 1.1, M 1.1
		02 Neutral Safety Switch	Sec 5.2
		03 Accelerator Pedal	Sec 1.2
		04 Sun Visor	Sec 8.12
		05 Horn Operation	Sec 5.3, M 5.2
		06 Mirrors	Sec 8.10-11, M 8.5
		07 Windshield Wipers & Washers	Sec 8.9
		08 Defroster	Sec 8.13
		09 Speedometer, Odometer	Sec 5.1, M 5.3
		10 Windshield and Windows	Sec 8.7, 8.8, M 8.4
		11 Switches	Sec 5.8, M 7.3
		12 Clutch and Brake Pedal Pad	Sec 3.4, 5.4, M 3.2
		13 Parking Brake, Transmission	Sec 3.1, M 1.5
		14 Power Brake Operation	Sec 3.4
		15 Brake Failure Indicators	Sec 3.3, M 3.4
		16 Brake Pedal Reserve	Sec 3.6, M 3.4
		17 Steering Lash and Travel	Sec 4.1-2, M 4.2
		18 Clutch Disengagement	Sec 5.4, M 1.6
		19 Handbrake	Sec M 4.1
		20 Anti-lock Brake Indicator	Sec 3.3
		21 Stability Control Indicator	Sec 4.8
		22 Lamps	Sec M 6.1
		23 Seats and Restraint Systems	Sec 8.14-15, M 8.1
		24 Supplemental Restraint Systems	Sec 8.16-17, M 5.4, 6.3
		WHEELS	
		25 Headlamp/Aux Lamp Aim	Sec 6.4, M 6.4
		26 Turn Signal Lamps	Sec 6.1, M 6.1
		27 Park, ID & Ch Lamps	Sec 6.1
		28 Side Marker Lamps	Sec 6.1
		29 Reflex Reflectors	Sec 6.3, M 6.3
		30 Back Up Lamps/Lic Plate Lamp	Sec 6.1
		31 Tail Lamps	Sec 6.1, M 6.1
		32 Stop Lamps	Sec 6.1, M 6.1
		33 Hazard Lamps	Sec 6.1, M 6.1
		34 Day Time Running Lamps	Sec 6.1, M 6.1
		35 Body & Bumpers	Sec 8.1, M 8.1
		36 Trunk	Sec 8.1, M 8.1
		37 Doors and Closures	Sec 8.5
		38 Kickboard	Sec 8.5
		CHASSIS	
		39 Frame & Chassis	Sec 8.1-2, M 8.1-2
		40 Steering Column Coupler	Sec 4.7, M 4.2
		41 Steering Column	Sec 4.4, M 4.2
		42 Shock Absorbers	Sec 4.5, M 4.2
		43 Spring and Attachments	Sec 2.1-8, M 2.2
		44 Shock Absorbers	Sec 2.15, M 2.2
		45 Brake Lines & Hoses	Sec 3.2, M 2.2
		46 Wheel Bearings	Sec 2.11, M 2.1
		47 Fuel System	Sec 1.3, M 1.3
		48 Exhaust System	Sec 1.4-5, M 1.4
		49 MacPherson Strut	Sec 2.9
		50 Constant Velocity Joints	Sec 1.7
		TRAILER	
		51 Trailer Hitch	Sec 5.7, M 5.6
		52 Axle Equipment	Sec 5.6, M 5.7-8
		PAINT	
		53 Front and Rear Disc Brakes	Sec 3.8, M 3.6
		54 Front Brake Drums	Sec 3.7
		55 Rear Brake Drums	Sec 3.7, M 3.5
		56 Front Brake Lining	Sec 3.7-8
		57 Rear Brake Lining	Sec 3.7-8
		58 Wheel Cylinders	Sec 3.7, M 3.5
		59 Mechanical Components	Sec 3.7, M 3.1
		ENGINE COMPARTMENT	
		60 Hood and Safety Catch	Sec 6.1
		61 Wiring and Battery	Sec 7.1-2, M 7.1-2
		62 Vacuum/Hydraulic System	Sec 3.5-6
		63 Brake Master Cylinder	Sec 3.2, M 3.4
		64 Power Steering	Sec 4.3, M 4.2
		PROPANE/NATURAL GAS	
		65 All applicable items identified by the National Safety Code Standard 11.1	Appendix A
		TIRE TREAD DEPTH	
		FRONT	
		AXLE 1	
		AXLE 2	
		REAR	
		AXLE 1	
		AXLE 2	

BRAKE LINING THICKNESS FRONT Axle 1 <input type="text"/> Axle 2 <input type="text"/> REAR Axle 1 <input type="text"/> Axle 2 <input type="text"/>	DRUM / ROTOR MEASUREMENT FRONT Axle 1 <input type="text"/> Axle 2 <input type="text"/> REAR Axle 1 <input type="text"/> Axle 2 <input type="text"/>	DRUM / ROTOR DISCARD LIMIT FRONT <input type="text"/> REAR <input type="text"/>
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DEFECTS:

REMARKS:

To determine if this vehicle has an open safety recall issued by the vehicle manufacturer, please search the Motor Vehicle Safety Recalls database on Transport Canada's website at <http://www.tc.gc.ca/> or contact Transport Canada at 1-800-303-0510.

- THIS INSPECTION IS NOT A WARRANTY -

I am aware that this vehicle is unsafe and that this inspection addresses Standards of Safety and repair as prescribed by the Vehicle Equipment and Safety Inspection Regulation but does not guarantee these components will comply with the standards for any unspecified future period of time. If this vehicle is not returned repaired by the return date of DO MM YYYY for re-inspection, a complete new inspection will be required.

Signature _____ Date _____

Certificate of Inspection

Certificate of Inspection

COI Exchange Process Key Dates

- › Proposed Date: February 28, 2019
 - Discontinue using old style certificates
 - Return (in person) old unused certificates to a Manitoba Public Insurance Service Centre
- › Anticipated Date: March 1, 2019
 - Use new certificates
 - Purchase (in person) new certificates at a Manitoba Public Insurance Service Centre
 - Purchase (via mail) from Vehicle Safety head office

Inspection Process

Process Changes

- › Mandatory tools
 - Vernier caliper
 - Appropriate lifting equipment
- › Proposed change to the Light Duty Vehicle Inspection (LVI) fee
 - Fee will be deregulated as of March 1, 2019
 - Inspection stations no longer mandated to charge \$55 fee
 - Fee set based on inspection time and market rates

Agenda

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- › **Wrap Up**



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Take Away

1. Read through the Inspection Handbook
2. Become familiar with specific rejection conditions for new items that are inspected
3. Review the new COI

Reference Materials

- | | | | |
|----------|------------------------------------|----------|--|
| 1 | Regulation | 5 | Inspection Program Information Package |
| 2 | Schedule 1: Light Vehicle Handbook | 6 | Start Date Info |
| 3 | Schedule 2: Motorcycle Handbook | 7 | End Date for Old Forms |
| 4 | Training Presentation | 8 | Links to Additional References |

Lesson Summary

1. Described the intent of The Traffic and Transportation Modernization Act.
2. Reviewed the requirements for light vehicle inspections outlined in the Vehicle Equipment Regulation.
3. Reviewed the new COI and process related to form inventory.

Thank you



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