



MICHIGAN CENTER *for* TRUCK SAFETY

Presents

Vehicle Inspection

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MICHIGAN CENTER *for* TRUCK SAFETY

The MICHIGAN CENTER *for* TRUCK SAFETY

is funded by the

Michigan Truck Safety Commission
and financed with truck safety funds
administered through the
Office of Highway Safety Planning.

The Center is operated through a grant to
the Michigan Trucking Association
Educational Center, Inc. (MTA)

Part 392 Equipment, Inspection and Use

- ◆ No CMV shall be driven unless the driver is satisfied that the CMV's equipment is in good working order.

Required Driver Inspections

- ◆ Pre-trip Inspection: FMCSR 392.7, 392.8 and 396.13
- ◆ Cargo Inspection (enroute): FMCSR 292.9
- ◆ Post-trip inspection: FMCSR 396.11

Required Equipment to be Inspected

- ◆ Service brakes
- ◆ Parking brake
- ◆ Steering
- ◆ Lighting
- ◆ Reflectors
- ◆ Tires
- ◆ Horn
- ◆ Windshield
- ◆ Wipers and Washers
- ◆ Mirrors
- ◆ Coupling devices
- ◆ Wheels and rims
- ◆ Emergency equipment

Part 393

Parts and Accessories Necessary for Safe Operation

- ◆ Every CMV must be equipped with certain standard equipment.
- ◆ Other equipment or accessories are permitted only if these items do not decrease the safety of the vehicle.

Method of Inspection

MICHIGAN CDL SKILLS TEST VEHICLE INSPECTION MEMORY AID			
CAB CHECK/ENGINE START			
safety belt smear. equip safe start temperature gauge	oil pressure gauge ammeter or voltmeter *air gauge lighting indicators	horn heater/defroster mirrors/windshield wipers/washers	parking brake service brake/ABS *air brake check hydraulic brake check
All Combination Vehicles			
Truck	Trailer	Tractor	Semi-Trailer
air & electric connectors Coupling System mounting bolts pintle hook hitch release lever safety devices	air & electric connectors & lines Coupling System tongue or draw bar bolts mounting bolts safety devices sliding pintle	air & electric connectors & lines Coupling System mounting bolts platform locking jaws or lever release arm & safety latch 5 th wheel skid plate Slide 5 th wheel pins	air & electric connectors Coupling System king pin apron gap
SCHOOL BUS/TRUCK/TRACTOR	TRAILER		All Passenger Vehicles
Front of Vehicle lights & reflectors Engine Compartment oil level coolant level power steering fluid- belt or gear water pump alternator belt or gear air compressor- belt or gear leaks & hoses Steering steering box & hoses steering linkage Front Wheel tires rims lug nuts axle seal Front Suspension springs & shocks u-bolts spring mounts	Driver Fuel Area door & mirror fuel tank & cap & leaks lights & reflectors Under Vehicle drive shaft exhaust system frame Rear Wheels tires rims lug nuts axle seal spacers or budd spacing Rear Suspension springs & airbags & shocks u-bolts spring/air mounts & torque arm Rear Brake brake hose/line *brake chamber *slack adjuster & push rod drum & linings / rotor & pad Rear of Vehicle doors & ties & lift splash guards lights, reflectors & reflective tape	Trailer Front header board or bulkhead lights & reflectors Side of Trailer landing gear frame & tandem release doors, ties & lifts lights & reflectors Wheels tires rims lug nuts axle or hub oil seal spacers or budd spacing Suspension springs & airbags & shocks u-bolts spring/air mounts & torque arm Brake brake hose/line *brake chamber *slack adjuster & push rod drum&linings / rotor&pad Rear of Trailer doors & ties & lift splash guards lights, reflectors & reflective tape	Passenger Items passenger entry & lifts emergency exits seating Baggage compartment doors secure (baggage) School Bus Only student lights Student Safety Items stop arm & safety arm student mirrors passenger entry / lifts emergency kit & body fluid kit

- ◆ You should do a vehicle inspection the same way each time.
- ◆ Follow a guide or check list.

Step 1

Review Last Inspection Report

- ◆ Every driver is required to conduct a post trip inspection at the end of each driving day. Non-CDL vehicles Intrastate Exempt.
- ◆ A written inspection report is only required if a defect is found.

Driver's Vehicle Inspection Report

Check Any Defective Item and Give Details Under "Remarks."

JATE: _____

TRUCK/TRACTOR NO. _____

<input type="checkbox"/> Air Compressor	<input type="checkbox"/> Horn	<input type="checkbox"/> Springs
<input type="checkbox"/> Air Lines	<input type="checkbox"/> Lights	<input type="checkbox"/> Starter
<input type="checkbox"/> Battery	<input type="checkbox"/> Head - Stop	<input type="checkbox"/> Steering
<input type="checkbox"/> Brake Accessories	<input type="checkbox"/> Tail - Dash	<input type="checkbox"/> Tachograph
<input type="checkbox"/> Brakes	<input type="checkbox"/> Turn Indicators	<input type="checkbox"/> Tires
<input type="checkbox"/> Carburetor	<input type="checkbox"/> Mirrors	<input type="checkbox"/> Transmission
<input type="checkbox"/> Clutch	<input type="checkbox"/> Muffler	<input type="checkbox"/> Wheels
<input type="checkbox"/> Defroster	<input type="checkbox"/> Oil Pressure	<input type="checkbox"/> Windows
<input type="checkbox"/> Drive Line	<input type="checkbox"/> On-Board Recorder	<input type="checkbox"/> Windshield Wipers
<input type="checkbox"/> Engine	<input type="checkbox"/> Radiator	<input type="checkbox"/> Other
<input type="checkbox"/> Fifth Wheel	<input type="checkbox"/> Rear End	
<input type="checkbox"/> Front Axle	<input type="checkbox"/> Reflectors	
<input type="checkbox"/> Fuel Tanks	<input type="checkbox"/> Safety Equipment	
<input type="checkbox"/> Heater	<input type="checkbox"/> Fire Extinguisher	
	<input type="checkbox"/> Flags-Flares-Fusees	
	<input type="checkbox"/> Spare Bulbs & Fuses	
	<input type="checkbox"/> Spare Seal Beam	

TRAILER(S) NO.(S) _____

<input type="checkbox"/> Brake Connections	<input type="checkbox"/> Hitch	<input type="checkbox"/> Tarpaulin
<input type="checkbox"/> Brakes	<input type="checkbox"/> Landing Gear	<input type="checkbox"/> Tires
<input type="checkbox"/> Coupling Chains	<input type="checkbox"/> Lights - All	<input type="checkbox"/> Wheels
<input type="checkbox"/> Coupling (King) Pin	<input type="checkbox"/> Roof	<input type="checkbox"/> Other
<input type="checkbox"/> Doors	<input type="checkbox"/> Springs	

Remarks: _____

CONDITION OF THE ABOVE VEHICLE IS SATISFACTORY

DRIVER'S SIGNATURE _____

ABOVE DEFECTS CORRECTED

ABOVE DEFECTS NEED NOT BE CORRECTED FOR SAFE OPERATION OF VEHICLE

MECHANIC'S SIGNATURE _____ DATE _____

DRIVER'S SIGNATURE _____ DATE _____

Approaching the Vehicle

- ◆ Notice condition
- ◆ Vehicle damage
- ◆ Leaks
- ◆ Check the area around the vehicle for hazards to vehicle movement.

Step 2

Check Engine Compartment

- ◆ Check that the parking brakes are on and that the wheels are chocked.



Check

- ◆ Engine oil level
- ◆ Coolant level and hose condition
- ◆ Windshield washer fluid
- ◆ Power steering fluid level and hoses
- ◆ Battery fluid level, connections and tie-downs
- ◆ Transmission fluid (automatic only)

Check

- ◆ Belts for tightness and wear
- ◆ Leaks in the engine compartment.
- ◆ Electrical wiring for wear and loose connections.
- ◆ Lower and secure hood.

Step 3

Inspect inside the cab



Get in and Start the Engine

- ◆ Make sure parking brake is on
- ◆ Put gearshift in neutral or park
- ◆ Start engine, listen for unusual noises.

Check Gages

- ◆ Oil pressure
- ◆ Air pressure should build from 50 to 90 psi within 3 min.
- ◆ Ammeter and voltmeter
- ◆ Coolant temperature
- ◆ Engine oil temperature
- ◆ Warning lights and buzzers

Check Condition of Controls for Looseness, Sticking, Damage

- ◆ Steering wheel
- ◆ Clutch
- ◆ Accelerator
- ◆ Brake controls (foot, trailer, parking)
- ◆ Transmission
- ◆ Differential lock (if equipped)
- ◆ Horn

Check Condition of Controls

- ◆ Wipers and washers
- ◆ Lights (headlights, dimmer switch, turn signals, 4-way flashers, parking, clearance, ID and marker)

Lights

- ◆ All required lamps must light on request at an inspection and must light when required.
- ◆ All lamps must be securely and permanently mounted.
- ◆ All stop lamps on a CMV must activate when the brakes are applied.

Check Mirrors and Windshield

- ◆ Cracks
- ◆ Dirt
- ◆ Illegal stickers or other vision obstructions.
- ◆ Clean and adjust as necessary.

Check Emergency Equipment

- ◆ Spare electrical fuses
- ◆ 3 red reflective triangles or flares
- ◆ Properly charged and rated fire extinguisher.
- ◆ Check optional items required by carrier.

Step 4

Turn Off Engine and Check Lights



- ◆ Set parking brakes
- ◆ Turn on headlights and emergency flashers
- ◆ Get out of vehicle and conduct a walk-around inspection

Step 5

Conduct a Walk-around Inspection



- ◆ Check front of vehicle and check that low beams are on and both emergency flashers are working.

Conducting a Walk-Around

- ◆ Push the dimmer switch and check that high beams work
- ◆ Turn off headlights and emergency flashers
- ◆ Turn on parking , clearance, side-marker and identification lights.
- ◆ Turn right-turn signal and start walk-around inspection

General

- ◆ Walk around and inspect the vehicle
- ◆ Clean all light, reflectors and glass as you go along.

Left Front Side

- ◆ Driver's door glass
- ◆ Door latches
- ◆ Condition of wheels and rims (bent, broken, missing or loose lugs or studs)
- ◆ Condition of tires (inflations, cuts, bulges, exposed cords, tread depth)
- ◆ Hub oil level.

Left Front Suspension

- ◆ Condition of springs, hangers and U-bolts.
- ◆ Condition of Shock absorber (loose, broken, leaking fluid)

Left Front Brake

- ◆ Condition of drum or disk
- ◆ Condition of hoses
- ◆ Brake Chambers
- ◆ Slack Adjusters

Front Check

- ◆ Condition of front axle
- ◆ Steering system (loose, work bent parts, excessive play)
- ◆ Windshield (clean, damage, wiper arms spring tension, worn out or damaged blades obstructed view)

Front Lights and Reflectors

- ◆ Parking, clearance and ID lights
- ◆ Reflectors
- ◆ Right front turn signal
- ◆ Headlights

Right Side of Cab

- ◆ Right front: Check all items as done on left front
- ◆ Safety cab locks (cab over)
- ◆ Right fuel tank
- ◆ Condition of visible parts: engine, transmission, exhaust, frame and cross members

Left Side of Cab

- ◆ Check items checked on right side.
- ◆ Batteries: securement, cover, cables, condition.

Behind Cab

- ◆ Fuel tanks
- ◆ Lights & Reflectors
- ◆ Driveshaft
- ◆ Exhaust
- ◆ Wheels & rims
- ◆ Suspension
- ◆ Brakes



Front of Trailer

- ◆ Trailer nose supports
- ◆ Air and electrical lines
- ◆ Lights and reflectors
- ◆ 5th Wheel/kingpin



Side of Trailer

- ◆ Landing gear
- ◆ Spare Tire
- ◆ Lights/reflectors
- ◆ Frame/body



Trailer Wheels

- ◆ Wheels
- ◆ Tires
- ◆ Suspension
- ◆ Brakes



Rear of Trailer

- ◆ Lights & reflectors
- ◆ Mud flaps
- ◆ Rear end protection
- ◆ Cargo Securement



Cargo Securement

- ◆ Cargo is properly blocked, braced, secure.
- ◆ Tie downs meet requirements of FMCSR.
- ◆ Loads that will blow or spill tarped
- ◆ Specific securement by commodity type per 393.116 – 393.136

Brakes

- ◆ All CMV's must be equipped with:
- ◆ A Service brake system.
- ◆ A Parking brake system.
- ◆ An emergency brake system.

Get in Vehicle

- ◆ Turn off lights not needed for driving
- ◆ Check all required papers, trip manifests, permits, etc.
- ◆ Secure all loose items in cab

Step 7

Start the Engine and Check

- ◆ Test for hydraulic brake leaks (non-air brakes)
- ◆ Check air brake warning system and pressure gages.

Brakes on All Wheels

- ◆ Every CMV must be equipped with brakes acting on all wheels except:
- ◆ Trucks and truck tractors with 3 or more axles manufactured before 7/25/80.
- ◆ Vehicles being towed in a driveaway-towaway operation.

Test Parking Brakes

- ◆ Fasten your seat belt
- ◆ Allow vehicle to move forward slowly
- ◆ Apply parking brake
- ◆ If parking brake fails and does not stop vehicle, get it fixed

Test Service Brake Stopping Action

- ◆ Get vehicle up to 5 mph
- ◆ Push brake pedal firmly
- ◆ Check for air pressure leaks
- ◆ Check for unequal braking action
- ◆ Check for delayed stopping action

Straight Truck Inspection

VEHICLE INSPECTION PROCEDURE WALKAROUND SEQUENCE FOR STRAIGHT TRUCKS

Step 1: Left Side of Cab

Note General Condition

Left Front Wheel

- Wheels – look for rust around lug nuts and wheel cleats, cracks, mismatched lock rings, bent rims or broken/missing studs, clamps, lugs
- Tires – Properly inflated; valve stems not touching wheel, rim, or brake drum; valve caps in place; no bulges or deep cuts; adequate tread depth; no uneven wear
- Hub – no leakage

Left Front Suspension

- Condition of springs, spring hangers, shackles, U-Bolts (no signs of broken, cracked, missing or shifted parts)
- Shocks – secure, no leaks

Left Front Brakes

- Drums or rotors – no breaks or cracks
- Hoses – not chafed or worn
- Brake chambers – properly mounted
- Slack adjusters/pushrods – no missing parts; not frozen
- Hydraulic leaks – none

Step 2: Front of Cab

Condition of front axle

Condition of steering

- No loose, worn, damaged, broken, or missing parts; no leakage of power steering fluid

Condition of windshield

- Clean windshield if dirty; check for damage
- Wipers – proper spring tension on arm; blade properly secured; blade rubber in good condition

Lights/Reflectors

- Clean if dirty
- Headlights, clearance/identification lights, turn signals functioning and displaying proper color

Step 3: Right Side of Cab

Check all items as done on left side of cab

Fuel Tank(s)*

- Securely mounted; No leaks or major damage
- Crossover lines protected; Other fuel lines secure
- Sufficient fuel supply
- Securely capped
- No fuel leaks in lines or fittings

Battery(ies)**

- Battery holder securely attached
- Battery properly secured in holder and covered
- Proper fluid level (if not maintenance-free type)
- Cells capped (if not maintenance-free type)
- No excessive corrosion at terminals

Other visible components

- Engine/transmission – no leaks
- Driveshaft – no obvious defects
- Exhaust – secured; no leaks; no contact with air lines, fuel lines, wiring, or other combustible material*
- Frame/cross-members – not bent, cracked or broken
- Air lines/fuel lines/wiring – properly routed, secured against damage, undamaged

Step 4: Right Side of Body

General Condition

- Side Door(s) secured**

Lights/Reflectors

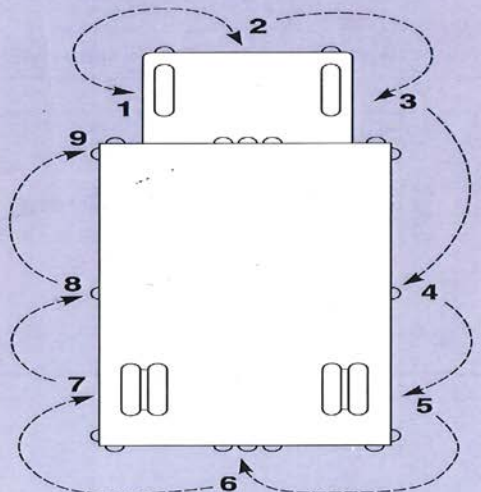
- Side-marker lights-front, middle, rear**
- Lights clean, functioning, proper color; no broken lenses
- Reflectors clean; not missing, cracked or broken

APPROACHING VEHICLE AND IN-CAB

- Check for leaks of oil, fuel, water; other signs of defects.
- In Cab: Start engine. Check gauges and/or pilot light function including ABS warning light (if ABS-equipped).
- Check: Safety belt; Windshield wipers; Horn(s).
- Check: Reflective triangles, fire extinguisher, fuses (if equipped).
- Check: Mirror adjustment and condition.
- Check: Steering wheel for excessive free play.
- Turn on lights and four-way flashers before exiting cab.

AIR-BRAKE CHECK (in cab unless otherwise noted)

- Build air pressure to maximum
- Charge trailer air system (if towing air-braked trailer).
- Apply service (foot) brakes. After initial drop, air pressure must not drop further with engine idling.
- Turn off engine and rapidly apply and release brakes. Low-Air warning must activate before gauge reads 60 PSI. Rebuild air pressure. Set parking brake(s) before exiting cab. Make the following brake-checks during the walkaround.
- Adjustment – Check that angle between slack adjusters and pushrods is approximately the same on each side of each axle.
- Completely drain moisture from each air tank at least daily.
- Make a test stop before leaving yard.
- Older vehicles may have different controls.



Step 5 & 7: Rear Wheels

Duals

- Wheels and rims; no broken, bent, missing or mismatched parts
- Tires – properly inflated; valve stems not touching wheels, rims or brake drums; adequate tread; no uneven tread wear; no deep cuts, bumps or bulges; proper spacing between duals; no debris between duals; properly matched (circumference)

Suspension

- Condition of springs, spring hangers, shackles and U-bolts
- Axle alignment

Brakes

- Drums or rotors – not cracked or broken
- Hoses – properly secured; not worn or chafed
- Brake chambers – properly mounted; no loose or missing parts
- Push rods/slack adjusters – no loose or missing parts
- Hydraulic leaks – none
- Ripstop above checks for each axle

Step 6: Rear of Truck

Frame and cross-members

- No bent, cracked, broken or missing components

Lights and reflectors

- Rear clearance and identification lights clean, functioning, proper color
- Rear reflectors clean, proper color, not broken, cracked, missing
- Taillights and stoplights, clean, functioning, proper color

Cargo Securement

- Load properly blocked, braced, tied down, as appropriate
- Tailboard properly raised and secured
- Removable sides and end gates properly secured in place
- Tarp (if used) properly secured to protect load, prevent billowing, not obstructing lights and reflectors
- Van doors securely closed; locked and sealed if required
- Underride guard in good condition

Hook-up to Trailer**

Check the following additional items if towing a trailer:

- Pintle-hook latch and safety latch; both closed and locked
- No visible wear in drawbar eye or pintle eye when hooked up
- Safety chain(a) / cable(s) hooked on as to prevent drawbar dropping in case of disconnection
- Air brake lines and electrical cord properly connected from truck to trailer

Check the Towed Unit:

- Brakes
- Tires/Wheels
- Lights/Reflectors
- Cargo Securement

Steps 7-9: Left Side of Body

- The procedure for the left side is a repeat of checks made on the right side

SPECIAL CHECKS

Placarding (when required)

- Truck and any trailer must be separately placarded for the class(es) of hazardous material it contains on the front, rear and each side

Tires

- On any axle, all tires must be of the same construction, i.e. bias-ply or radial

Special Equipment

- Check as instructed

Special Body Type

- Check as instructed

*NOTE: Depending on the specific location of the item, some checks may be made on either side or on both sides. Also, on some vehicles, items to be checked may be in a location different from that shown on this diagram.

**NOTE: If so equipped

CVSA Road Inspection



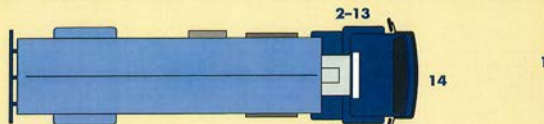
- ◆ Level 1 Full Inspection
- ◆ Level 2 Walk around
- ◆ Level 3 Driver only

North American Standard

North American Standard Level I Inspection Procedure

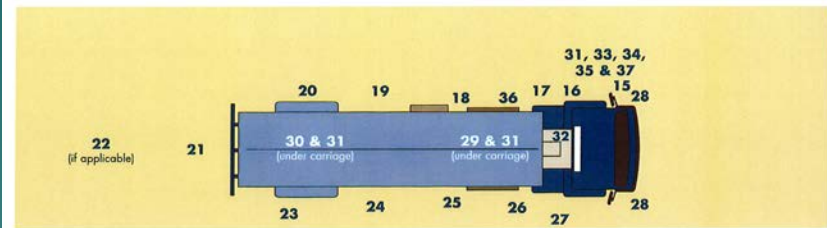


For Levels II, III, IV, and V, omit steps that do not apply.
For more detailed information, see the written procedures contained in the CVSA Operations Manual.



- STEP 1 Choose the Inspection Site**
 - Select a safe location, paved, level, away from traffic, visible to traffic, and able to support the weight of the vehicle.
 - Avoid hills, curves, soft shoulders and construction sites.
 - You must be visible to oncoming traffic.
- STEP 2 Approach the Vehicle**
 - Observe the driver.
 - Adhere to officer/inspector safety policies.
 - Be alert for leaks, unsecured cargo.
- STEP 3 Greet and Prepare Driver**
 - Identify yourself.
 - Ensure that the driver is capable of communicating sufficiently to understand and respond to official inquiries and directions.
 - Place check blocks on the driver's side.
 - Explain this inspection procedure.
 - Ensure engine is off.
 - Check seat belt usage and condition.
 - Observe the driver's overall condition for illness, fatigue or other signs of impairment.
 - Check for illegal presence of alcohol, drugs, weapons or other contraband.
- STEP 4 Interview Driver**
 - Ask for the following from the driver: starting location, final destination, load description, time traveled, most recent stop, fueling location(s).
 - Talk to the driver about the trip.
- STEP 5 Collect the Driver's Documents**
 - Medical Examiner's Certificate (if applicable).
 - Skill Performance Evaluation (SPE) Certificate (if applicable).
 - Driver's license, CDL, record of duty status.
 - Shipping papers.
 - Periodic inspection certificates, CVIP
 - Supporting documents: bills of lading, receipts, other documents used to verify record of duty status.
- STEP 6 Check for the Presence of Hazardous Materials/Transportation of Dangerous Goods**
 - Check shipping papers, placards, any leaks or spills, unsecured cargo, markings and labels.
- STEP 7 Identify the Carrier**
 - Identify carrier using the following: vehicle identification, vehicle registration, insurance, operating authority, driver interview.
- STEP 8 Examine Driver's License**
 - Expiration date
 - Endorsements
 - Status
 - Class
 - Restrictions
- STEP 9 Check Medical Examiner's Certificate and Skill Performance Evaluation (SPE) Certificate (If Applicable)**
 - Check certificate date (may be valid for up to 24 months).
 - Check corrective lens requirement.
 - Check hearing aid requirement.
 - Check physical limitations.

Note: In Canada and Mexico proper class indicates adequate medical.
- STEP 10 Check Record of Duty Status**
 - Hours of Service verification.
 - If driver claims to be exempt, check that driver meets all criteria for said exemption(s).
 - Check accuracy of record.
- STEP 11 Review Driver's Daily Vehicle Inspection Report (If Applicable)**
 - Review the required vehicle inspection report to verify that listed safety defects have been certified as corrected.
 - Check for driver signature on previous inspection reports.
- STEP 12 Review Periodic Inspection Report(s)**
 - Ensure vehicle has passed the required inspection and has the required documents and decals.
- STEP 13 Prepare Driver for Vehicle Inspection**
 - Explain the vehicle inspection procedure.
 - Advise the driver in the use of hand signals.
 - Check check blocks.
 - Prepare the vehicle, vehicle transmission in neutral. Engine off, key must be in the "on" position, and release all brakes.
 - Instruct driver to remain at the controls.
- STEP 14 Inspect Front of Tractor**
 - Check headlights, turn signals (do not use four way flashers to check turn signals) and all other required lamps for improper color, operation, mounting, and visibility.
 - Check windshield wipers for improper operation (two wipers are required unless one can clean the driver's field of vision).



- STEP 15 Inspect Left Front Side of Tractor**
 - Check front wheel, rim, hub, and tire.
- STEP 16 Inspect Left Saddle Tank Area**
 - Check fuel tank area.
 - Check exhaust system.
- STEP 17 Inspect Trailer Front**
 - Check air and electrical lines.
 - Check driveline/driveshaft.
- STEP 18 Check Left Rear Tractor Area**
 - Check wheels, rims, hubs, and tires.
 - Check lower fifth wheel.
 - Check upper fifth wheel.
 - Check sliding fifth wheel.
 - Check all required lamps.
- STEP 19 Inspect Left Side of Trailer**
 - Check frame and body.
 - Check condition of hoses.
 - Check van and open-top trailer bodies.
 - Check cargo securement.
- STEP 20 Inspect Left Rear Trailer Wheels**
 - Check wheels, rims, hubs, and tires.
 - Check sliding tandem.
- STEP 21 Inspect Rear of Trailer**
 - Check tail, stop, turn signals, all other required lights and lamps/flags on projecting loads.
 - Check external ABS malfunction lamp.
 - Check cargo securement.
- STEP 22 Inspect Double, Triple and Full Trailers**
 - Check safety devices on full trailers/convertor dollies.
 - Check the safety devices (chains/wire rope) for sufficient number, missing components, improper repairs, and devices that are incapable of secure attachments. Inspect pintle hook, eye and drawbar for cracks, excessive movement, and improper repairs.
- STEP 23 Inspect Right Rear Trailer Wheels**
 - Check as in step 20.
- STEP 24 Inspect Right Side of Trailer**
 - Check as in step 19.
- STEP 25 Inspect Right Rear Tractor Area**
 - Check as in step 18.
- STEP 26 Inspect Right Saddle Tank Area**
 - Check as in step 16.
- STEP 27 Inspect Right Front Side of Tractor**
 - Check as in step 15.
- STEP 28 Inspect Steering Axle(s)**
 - Check steering system (both sides).
 - Check front suspension (both sides).
 - Check front axle.
 - Check frame and frame assembly.
 - Check front brake components (both sides).
 - If applicable, mark pushrods (both sides).
- STEP 29 Inspect Axles 2 and/or 3**
 - Check driveline/driveshaft.
 - Check suspension (both sides).
 - Check frame and frame assembly.
 - Check brake components (both sides).
 - If applicable, mark pushrods (both sides).
 - Exit under carriage in view of driver.
- STEP 30 Inspect Axles 4 and/or 5**
 - Same as step 29.
- STEP 31 Check Brake Adjustment**
 - Ensure air pressure is 90-100 psi.
 - Have driver fully apply brakes and hold.
 - Measure and record all pushrod travel.
 - Identify size and type of brake chambers.
 - Ensure brake lining to drum contact.
 - Listen for air leaks.
- STEP 32 Inspect Tractor Protection System (This procedure tests both the tractor protection system and the emergency brakes.)**
 - Have driver release brakes and disconnect both brake lines.
 - Full brake application.
 - Listen for air leaks.
- STEP 33 Inspect Required Brake System Warning Devices**
 - Observe the dash panel area when the key is turned "on" for the function test of the ABS malfunction lamp(s) (if applicable).
 - Observe dash gauges while ignition is "on" and the driver is pumping the foot valve to approximately 55 psi for the function test of a low air pressure warning device.
- STEP 34 Test Air Loss Rate**
 - Apply brakes while the engine is idling, the governor has cut in, and pressure is 80-90 psi.
- STEP 35 Check Steering Wheel Lash**
 - Measure steering wheel lash while wheels are straight and the engine is running.
- STEP 36 Check Fifth Wheel Movement**
 - Prepare the driver and vehicle.
 - Check for excessive movement.
- STEP 37 Complete the Inspection**
 - Complete documentation.
 - Conclude with driver.
 - Follow correct and current OOS procedures (if applicable).
 - Issue CVSA decal(s) (if applicable).

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Commercial Vehicle Safety Alliance

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Phone: 301-830-6143 • www.cvsa.org

Promoting Commercial Motor Vehicle Safety and Security

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Post Trip Inspection Must Include

- ◆ Service brakes
- ◆ Parking brake
- ◆ Steering
- ◆ Lighting
- ◆ Tires
- ◆ Horn
- ◆ Windshield Wipers/washers
- ◆ Mirrors
- ◆ Coupling devices
- ◆ Wheels and rims
- ◆ Emergency equipment.

Part 396 Periodic Inspection

- ◆ Every CMV is required to receive a periodic inspection every 12 months.
- ◆ Carriers may perform required annual inspection themselves.
- ◆ A copy of the inspection report or inspection sticker must be kept on the vehicle.

Periodic Inspection

- ◆ The original or a copy of the inspection report must be retained by the carrier for 14 months from the report date.

DATE

RECORD OF ANNUAL INSPECTION
(49 CFR, 396. 17-23)
Prepare Separate Report for Each Vehicle Inspected

D1535500

COMPANY NAME			VEHICLE TYPE <input type="checkbox"/> TRUCK <input type="checkbox"/> TRACTOR <input type="checkbox"/> TRAILER <input type="checkbox"/> CONVERTER <input type="checkbox"/> DOLLY		
STREET ADDRESS			VEHICLE MAKE		
CITY			MODEL		
STATE		ZIP		YEAR	
INSPECTOR'S NAME (Please Print)				VEHICLE IDENTIFICATION (Company No., State Tag No. or VIN)	
EMPLOYEE NO.					

REPORT OF CONDITION (For Detailed Information on Inspection Procedures see FMCSR Section 396, Appendix G)

	OK		REPAIR			OK		REPAIR			OK		REPAIR	
BRAKES					EXHAUST					STEERING				
Adjustment					Leaks					Adjustment				
Mechan. Compon.					Placement					Column/Gear				
Drum/Rotor					LIGHTING					Axle				
Hose/Tubing					Headlights					Linkage				
Lining					Tail/Stop					Power Steering				
Low Air Warning					Clearance/Marker					Other				
Trailer Air Supply					Identification					FUEL SYSTEM				
Compressor					Reflectors					Tank(s)				
Parking Brakes					Other					Lines				
Other					CAB/BODY					SUSPENSION				
COUPLERS					Access					Springs				
Fifth-Wheel & Mount					Egpt./Load Secure					Attachments				
Pin/Upper Plate					Tie-Downs					Sliders				
Wristle-Hook/Eye					Headerboard					WINDSHIELD				
Jety Chain(s)					Other					WHEELS/RIM				
										Fasteners				
										Disc/Spoke				
										WINDSHLD. WIP.				

REMARKS _____

Certification: This vehicle has passed all the inspection items for the annual vehicle inspection in accordance with 49 CFR Part 396.

QUALIFIED INSPECTOR'S SIGNATURE _____ DATE _____

APPLY LABEL TO A CLEAN, DRY SURFACE. USE WITH AN OVERLAMINATE (2402) TO IMPROVE DURABILITY UNDER NORMAL WEATHER CONDITIONS.

AN INDELIBLE INK MARKER IS RECOMMENDED FOR USE WHEN FILLING OUT THE LABEL. INDELIBLE INK IS PERMANENT AND WILL NOT WASH OFF, BUT MAY FADE DUE TO EXPOSURE TO ULTRAVIOLET LIGHT OVER TIME. CAREFUL DISCRETION IS ADVISED REGARDING APPLICATION OF LABEL TO AN AREA NOT EXPOSED TO EXCESSIVE ULTRAVIOLET LIGHT AND/OR ELEMENTS AND IT IS RECOMMENDED THAT THE READABILITY OF THE LABEL BE CHECKED PERIODICALLY.

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FEDERAL ANNUAL INSPECTION

THIS VEHICLE HAS PASSED AN ANNUAL INSPECTION CONDUCTED IN ACCORDANCE WITH 49 CFR, PART 396, FMCSR

MONTH YEAR D1535500

VEHICLE ID (Company No.) STATE/TAG NO. OR VIN

LOCATION OF RECORDS:

Company _____

Street Address _____

City, State, Zip _____

3136 (Rev. 7/13)

Exemption From Periodic Inspection

- ◆ Commercial Motor Vehicles that operate only in the state of Michigan (intrastate) and do not require a CDL to operate them are exempt from the Periodic (annual) Inspection.

Maintenance Schedule

- ◆ A motor carrier must have a written maintenance schedule for each vehicle operated (including trailers) outlining routine vehicle maintenance and the due dates for each type of maintenance.

Vehicle Maintenance Records

- ◆ Carriers must maintain vehicle records for each vehicle (including trailers) under the carriers control.

Records Must:

- ◆ Identify the vehicle
- ◆ Identify the nature and due dates for inspection and maintenance.
- ◆ Indicate dates maintenance and repairs performed.
- ◆ Be maintained for one year and for 6 months after the vehicle leaves the carrier's control.

Exemption

- ◆ Michigan motor carriers operating non-CDL CMVs solely in Michigan intrastate are exempted from the periodic, pre-trip and post-trip inspections as well as the recordkeeping requirements under FMCSR 396.
- ◆ Carriers must continue to comply with the inspection and maintenance requirements contained in FMCSR Parts 392 and 393.

Questions ?



◆ Toll Free:
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