Pre-Trip Inspection

Class A

The daily inspection test is divided into the following sections and is usually performed in the following order:

- Exterior inspection
- In-cab check
- Interior inspection

The exterior and interior portions of the daily inspection test will be administered using a random selection of testing items from schedule 1. Drivers must use Schedule 1 as a reference during the daily inspection test.
You may read the defects Before or After the procedure of inspection for each item.

1. Exterior Inspection

This part of the test is mainly items on the exterior of the vehicle, and Air-Brake tests. It must be performed with the wheels chocked and the parking brake applied, for all Class A vehicles and other vehicles equipped with air brakes.
Applicants must inspect **four** items, selected by the examiner at random, and for each item, the driver must:

- Demonstrate and describe how to inspect the item.
- Explain what defect(s) drivers must look for while inspecting each item.
- Describe what action the driver must take upon identifying a minor and/or major defect.

In case of **Minor** defects, after reading from the schedule, the driver must tell the examiner:

- This is a Minor defect
- In case of minor defect, we should
    - Report to the operator
    - Write in inspection book
    - We are allowed to drive

In case of **Major** defects, after reading from the schedule, the driver must tell the examiner:

- This is a Major defect
- In case of major defect, we should
    - Report to the operator
    - Write in inspection book
    - We are NOT Allowed to drive

Read from schedule 1

Minor defect:

1(b): slow **<u>air pressure build-up rate</u>**

Inspection procedure:

Tell Examiner: • Wheel is chocked • Vehicle is secure
Demonstrate: • Start the engine • Release only tractor parking brake • Check the air pressure and RPM
Tell examiner: • The air pressure is ____ and in normal operating range • RPM is between 600 to 900 • I am going to reduce air pressure below 80 psi • Measure the time. From 85 to 100 psi must take less than 2 minutes
Demonstrate: • Pump the brakes until you reach below 80 psi • Start timing when the pressure reaches 85 psi • Once reached 100 stop timing • Apply tractor parking brake
Tell examiner: • From 85 to 100 it took _____ seconds • It is less than 2 minutes.

Read from schedule 1

Minor defect:

1(a): **<u>audible air leak</u>**

Major defect:

1(b)M: **<u>air loss rate</u>** exceeds prescribed limit

Inspection procedure:

Tell Examiner: • Wheel is chocked. • Vehicle is secure.
Demonstrate: • Turn ignition ON • Release **both** tractor and trailer parking brakes. • Ensure the air pressure is above 100 (if not, turn the engine on and raise pressure, then turn engine off and leave ignition on)
Tell examiner: • Mention the pressure to the examiner.
Demonstrate: • Roll down the driver's side window. • Press service brake and hold. • Listen for any air leaks.
Tell examiner: • There is no audible air leak. • Air pressure is _____.it should not lose more than 4 psi (3psi for 1 unit) in one minute
Demonstrate: • Keep holding the brake and start the timer. • Watch the gauges for one minute and ensure the gauges show no air loss. • After one minute apply parking brakes.
Tell examiner: It did not lose more than 4 psi in one minute. safe and secure.

Read from schedule 1

Major defect:

1(a)M: **pushrod stroke** of any brake exceeds the adjustment limit

Inspection procedure:

Tell Examiner: • Wheel is chocked • Vehicle is secure
Demonstrate: • Start the engine • Release **both** the tractor and trailer parking brakes. • Ensure the air pressure is between **90-100** psi. • Turn the wheel to the left/right to obtain access to the brake chamber. • Make sure to release the steering wheel for your safety. • Turn the engine off and turn the ignition ON. • If the hood is closed, open the hood • Go to the chamber of your choice • Measure and notify the examiner of the size of brake chamber • Check the type of the chamber (square, long stroke or regular) • Read the adjustment limit from the chart and notify the examiner • Mark the location of the pushrod • Get back to the cab • Fully press down on the service brake using the provided tool (Brake-mate). • Check the pressure. Make sure it is still between 90-100. Build it up again if needed. • Measure the displacement of the stroke and inform the examiner.
Tell examiner: • The distance is less than the adjustment limit
Demonstrate: • Remove the tool from the pedal, apply parking brakes

Read from schedule 1

Major defect:

1(c)M: Inoperative towing vehicle **(tractor) protection system**

Inspection procedure:

Tell Examiner: • Wheel is chocked • Vehicle is secure
Demonstrate: • Disconnect the service line and place it on the step.
Tell the examiner: • The service line is disconnected.
Demonstrate: • Start the Engine • Release the tractor parking brake. • If the air pressure is not in operating range build up the pressure above 100 Psi, and then turn the engine off. • Turn the ignition on.
Tell examiner: • The air pressure is___, in operating range.
Demonstrate: • Press service brake, observe the glad-hand and listen for any air leak.
Tell examiner: • There is no air leak, so protection valve is working properly.
Demonstrate: • Apply tractor parking brake • Re-connect the glad-hand • Return to the cab

Read from schedule 1

Major defect:

1(d)M: **Low air warning system** fails, or system is activated

Inspection procedure:

Tell Examiner: • Parking brakes are applied • Wheel is chocked • Vehicle is secure
Demonstrate: • Make sure the pressure is above 100 psi (Engine may be running or shut off)
Tell examiner: • Air pressure is in operating range and low air warning system is **not activated.**
Demonstrate: • Press and release the brake pedal several times until the low air warning system activates. (stop pumping brake pedal after system is activated)
Tell examiner: • The low air warning system activated on ___, which is above 55 Psi, safe and secure.

Read from schedule 1

Minor defect:
2(a): Occupant compartment **door** fails to open

Major defect:
2(a)M: Any cab or sleeper door fails to close securely

Inspection procedure:

Demonstrate: • Check that there is no damage to the door. • Check that the door opens from outside and pull to ensure it stays locked. • Check that there is no damage to the lock and latch. • Check from inside that the door opens and push to ensure it stays locked. • Check to ensure the sleeper door is closed properly.
Tell examiner: • The door opens and closes properly, and the sleeper door is closed securely.

Read from schedule 1

Minor defect:

4(a): **Coupler or mounting has loose or missing fastener**

Inspection procedure:

Demonstrate: • Visually inspect the fifth wheel for any visible cracks damage or missing parts
Tell examiner: • There is no visible crack, damage or missing parts on the fifth wheel
Demonstrate: • Physically inspect the condition of all fasteners around the fifth wheel on both sides
Tell the examiner: • Fasteners around the fifth wheel are tight and secure, none missing

Read from schedule 1

Major defect:
4(a)M: **Coupler(for movement)** is insecure, or movement exceeds prescribed limit

Inspection procedure:

• **Demonstrate:** • Inspect the fifth wheel for any visible cracks damage or missing parts • Ensure there is no gap between fifth wheel and trailer • Ensure the handle is in locked position • Ensure the jaw is closed around the king pin
Tell examiner: • There is no visible crack, damage or missing parts on the fifth wheel • There is no gap between the fifth wheel and upper plate. • Handle is in locked position • Jaw is closed around the kingpin. Coupler is secure
Tell examiner: (Explain verbally how to check for movement limit) • Get inside the cab and start the engine • Release only tractor parking brake • Gently pull the tractor as far forward as possible, apply tractor parking brake, and put gear on neutral • Mark the center of the 5th wheel on trailer plate. • Get inside the cab • Release only tractor parking brake • Gently reverse the tractor as far back as possible, pull tractor parking brake, and put gear on neutral. • Mark again the center of 5th wheel on trailer plate. • Check the distance between the two marks. • The movement must be less than 13 mm (½ inch)

Read from schedule 1

Major defect:
4(b)M: **Coupling or locking mechanism is damaged or fails to lock**

Inspection procedure for 5th wheel coupler:

Demonstrate: • Inspect the fifth wheel for any visible cracks damage or missing parts • Ensure there is no gap between fifth wheel and trailer • Ensure the handle is in locked position • Ensure the jaw is closed around the king pin
• **Tell examiner:** • There is no visible crack, damage or missing parts on the fifth wheel • There is no gap between the fifth wheel and upper plate. • Handle is in locked position • Jaw is closed around the kingpin. Coupler is secure

Read from schedule 1
Minor defect:
10(a): **Exhaust leak**

Major defect:
10(a)M: Leak that causes exhaust gas to enter the occupant compartment

Inspection procedure:

Demonstrate: • Make sure the hood is open, the engine is running, and the windows are shut. • Follow along exhaust system from engine to the end of the exhaust pipe, and inspect for any damage or exhaust leak
Tell examiner: • There is no damage, No exhaust leak around the exhaust system safe and secure
Demonstrate: • Get inside cab and smell for any gas leak
Tell examiner: • There is no exhaust gas in the cab

Read from schedule 1

Minor defect:
11(a): Damaged **Frame or cargo body**

Major defect:
11(a)M: Visibly shifted, cracked, collapsing or sagging frame member(s)

Inspection procedure:

Demonstrate:
• Make sure the hood is open
• Start from the front of the vehicle and inspect the following items for any cracks, damage, sagging, collapsing or shifting part:
  ○ Tractor frame and frame members.
  ○ Trailer frame and frame members.
  ○ Landing gear frame.
  ○ Trailer body.
  ○ Bogie frame.
  ○ Trailer doors.
  ○ Rear Bumper.

Tell examiner: • There is no crack, damage, shifting, collapsing or sagging parts (as you go along the frame)

Read from schedule 1
Minor defect:
12(a): Missing **fuel tank cap**

Major defect:
12(a)M: Insecure fuel tank
12(b)M: Dripping fuel leak

Inspection procedure:

Demonstrate: • Ensure the fuel tank cap is present and tight
Tell examiner: • The cap is present, tight, and secure
Demonstrate: • Check to ensure, the straps, fasteners, and tank are tight and secure.
Tell examiner: • The fuel tank is secure.
Demonstrate: • Inspect under the tanks, under the fuel lines and under the engine for any dripping fuel leak on the ground for both sides.
Tell examiner: • There is no fuel dripping under the fuel system, safe and secure. (Continue the same procedure for both sides)

Read from schedule 1

Minor defect:
14(a): Required mirror or window glass fails to provide the required view to the driver as a result of being cracked, broken, damaged, missing or maladjusted

14(b): Required **mirror glass** has broken or damaged **attachment onto vehicle body**

Inspection procedure:

Demonstrate: • Visually inspect the driver side mirrors glass for any cracks or damage. • Physically hold and shake the mirror frame to ensure it is attached properly
Tell examiner: • The mirror has no cracks or damage. • It is mounted securely
Demonstrate: • Visually inspect the driver side hood mirror for any cracks or damage. • Physically hold and shake the mirror frame to ensure it is attached properly.
Tell examiner: • The hood mirror glass has no cracks or damage. • It is mounted securely.
Demonstrate: • Continue the same procedure for passenger side and hood Mirrors.

Read from schedule 1

Minor defect:
20(a): Air leak in **air suspension system**

Major defect:
20(a)M: Damaged (patched, cut, bruised, cracked to braid or deflated air bag) or insecurely mounted air bag.

Demonstrate: • Choose an airbag behind the tractor to inspect. • Run your hand around the air bag to check for damages • Hit the air bag to make sure it is full of air. • Listen to any leaks around the airbag • Shake the airbag to ensure it is securely mounted.
Tell examiner: • There is no damage, patches, cuts, bruises, cracks to braids. • There is no air leak. • The airbag is not deflated. • The airbag is mounted securely.

Read from schedule 1

Minor defect:
20(b): A **broken spring leaf**

Major defect:
20(b)M: Cracked or broken main spring leaf or more than one broken spring leaf
20(c)M: Part of spring leaf or suspension is missing, shifted out of place or in contact with another vehicle component

Inspection procedure:

Demonstrate: • Identify the main spring leaf (The spring leaf directly attached to the frame) • Inspect the spring leaves for any cracks, damage, or broken part. • Ensure that there is no missing part, the spring leaf is not shifted out of place, or in contact with another vehicle component.
Tell examiner: • The main and other spring leaves have no cracks, or **damage**. • There is no **missing part.** • The spring leaf has not **shifted** out of place. • Not **in contact** with another vehicle component.

Read from schedule 1
Minor defect:
20(c): **Suspension fasteners** are loose, missing, or broken.

Major defect:
20(d)M: Loose **U-bolts**

Inspection procedure:

Demonstrate: • Inspect the following fasteners and confirm with the examiner that all are tight, and none are missing. • Both sides of the spring leaf bracket. (front and back side) • Both U-bolts and U-bolt fasteners. • Shock absorber fasteners. (top and bottom)
Tell examiner: • Both sides of the spring leaf bracket's Fasteners are tight and secure. (front and back side) • Both U-bolts and U-bolt fasteners are tight and secure. • Both sides of the shock absorber fasteners are tight and secure. (top and bottom)

Read from schedule 1

Minor defect:
21(b): **Tire leaking** if leak cannot be heard

Major defect:
21(a)M: Flat tire
21(a.1)M: Tire leaking if leak can be felt or heard

Inspection procedure:

Demonstrate: • With your hand, without gloves, check for any leaks on sidewalls of the tire, inside and out, and over tread side.
Tell examiner: • I don't hear or feel any leaks around the tire.
Demonstrate: • Check the valve for any air leak.
Tell examiner: • I don't hear or feel any leaks from the valve.
Demonstrate: • Hit the tire with the hammer (Mallet) to ensure it is full of air.
Tell examiner: • The tire is not flat.

Read from schedule 1

Minor defect:
21(a): Damaged **tread or sidewall of tire (for damage)**

Major defect:
21(b)M: Tire tread depth is less than wear limit
21(c)M: Tire is in contact with another tire or any vehicle component other than mud-flap
21(d)M: tire is marked, not for highway use
21(e)M: Tire has exposed cords in the tread or outer side wall area

Inspection procedure:

Demonstrate: • Run your hand along the sidewalls and tread surface of the tire, and check for **damages** or **exposed cords**
Tell examiner: • There is no crack or damage • No exposed cords
Demonstrate: • Check the tire tread depth (Steer tires minimum 3mm and back 1.5mm)
Tell examiner: • Tire **tread depth** is ____ and it should be more than 3mm for Steer tires and more than 1.5 mm for rear tires
Demonstrate: • Check that tire is **not in contact** with another tire or component other than mud flap • Check if the tire is not marked **"Not for highway use"**
Tell examiner: • Tire is not in contact with another component. • tire is not marked "Not for highway use"

Read from schedule 1

Minor defect:
22(a): **Hub oil below minimum level** (When fitted with sight glass)
22(b): **Leaking wheel seal**

Major defect:
22(c)M: Evidence of imminent wheel, hub or bearing failure

Inspection procedure:

Demonstrate: • Check and ensure the hub oil is above the minimum level (If it wasn't fitted with a clear sight glass or removeable cap, Only Describe how to check)
Tell examiner: • If fitted with sight glass, I must check to make sure Hub oil is above minimum level.
Demonstrate: • Check around the hub for any oil leaks. • Check behind the wheel for any oil leaks from the wheel seal.
Tell examiner: • **There is no leak around the hub.** • **There is no leak around the wheel seal.**
Demonstrate: • **Check to ensure the hub is not overheated.** • **Look at both sides of the wheel for any visible damage or missing parts, or evidence of oil leaks.** • Shake the wheel to check for bearing failure.
Tell examiner: There is no evidence of imminent wheel, hub or bearing failure.

Read from schedule 1

Major defect:
22(a)M: **Wheel** has loose, missing, or ineffective **fasteners**
22(c)M: Evidence of imminent wheel, hub or bearing failure

Inspection procedure:

Demonstrate: • Check all **wheel** and **hub** fasteners by hand to ensure they are not missing and are tight
Tell examiner: • Wheel fasteners are tight, none are missing. • Hub fasteners are tight, none are missing.
Demonstrate: • **Check to ensure the hub is not overheated.** • **Look at both sides of the wheel for any visible damage or missing parts, or evidence of oil leaks.** • Shake the wheel to check for bearing failure.
Tell examiner: • There is no evidence of imminent wheel, hub or bearing failure.

Read from schedule 1

Major defect:
22(b)M: **Damaged**, cracked, or broken **wheel, rim or attaching part**
22(c)M: evidence of imminent wheel, hub or bearing failure

Inspection procedure:

Demonstrate: • Inspect both sides of the rim for any cracks or damage. (inner and outer sides) • Inspect the hub for any damage. (as attaching parts) • Inspect the wheel fasteners for damage. (as attaching parts)
Tell examiner: • There is no crack or damage on the inner and outer sides of the rim. • There is no crack or damage on the fasteners, hub, or attaching parts.
Demonstrate: • **Check to ensure the hub is not overheated.** • **Look at both sides of the wheel for any visible damage or missing parts, or evidence of oil leaks.** • Shake the wheel to check for bearing failure.
Tell examiner: • There is no evidence of imminent wheel, hub or bearing failure.

2. Interior Inspection

Read from Schedule 1

Minor defect:
7(a): **(Driver) Seat** is damaged or fails to remain in set position

Major defect:
7(a)M: Seatbelt or tether belt is insecure, missing or malfunctions

Procedure:

Demonstrate: • Check the backrest and bottom of the seat to ensure it is not damaged and mounted securely. • Shake back and forward to ensure the seat is not moving.
Tell examiner: • The seat and backrest are in good condition, mounted securely and **remain in set position.**
Demonstrate: • Check the seat belt **anchor fastener** and ensure it is secure. • Check the seat belt for any **damage** or cuts. • Check if seat belt **locks and unlocks** securely. (lock, pull, and unlock)
Tell examiner: • The seat belt is mounted securely. • The seat belt has no cuts or damages. • Seat belt locks and unlocks properly.
Demonstrate: • Check both **tether belts** to the right and left side.
Tell examiner: • The tether belt to the right side is in good condition and mounted securely. • The tether belt to the left side is in good condition and mounted securely.

Read from schedule 1

Minor defect:
9(a): **Emergency equipment** is missing, damaged or defective.

procedure:

Demonstrate: • Check to ensure **the fire extinguisher** is mounted properly, is fully charged and safety pin is secure. • ensure **the emergency reflectors are present.** • ensure **the first aid kit is present.**
Tell examiner: • The **fire extinguisher** is mounted properly. • The arrow is on the green zone and fully charged. • Safety Pin is secure. • 3 **emergency reflectors** are present in the box. • The **first aid kit** is present and complete.

Read from schedule 1
Minor defect:
15(a): Control or system failure

Major defect:
15(a)M: **(Heater) Defroster** fails to provide unobstructed view through the windshield

Procedure:

Demonstrate: • Ensure the engine is running • Ensure there is no object between windshield and dash
Tell examiner: • There is no object between windshield and dash
Demonstrate: • Turn the knobs to **heat** and **defroster** position. • Place your hand over the dash vents and feel the airflow • Check all speeds one by one
Tell examiner: • The knob is on defroster and **heat mode**. • Speed 1 working properly (repeat for all speeds) • Defroster works properly and provides adequate **clear view**.

Read from schedule 1
Minor defect:
14(a): Required **mirror** or window **glass** fails to provide the required view to the driver as a result of being cracked, broken, damaged, missing or maladjusted
14(b): Required mirror or glass has broken or damaged attachments onto vehicle body

Inspection procedure:

Demonstrate: • Check windshield for any cracks or damages.
Tell examiner: • The windshield is mounted securely, has no cracks, or damage and provides clear view.

Demonstrate:
• Check both driver's side mirrors for any cracks and damage.
• Check to ensure they are adjusted properly for driving.
• Repeat for:
  ○ Both hood mirrors.
  ○ Both flat and convex mirrors to the driver and passenger sides.

Tell examiner: • The mirror is in good condition, has no cracks or damage. • **Adjusted properly for driving.** • Repeat for all

Read from Schedule 1
Minor defect:
23(a): control or system malfunction
23(b): Wiper blade is damaged, missing or fails to adequately clear driver's field of vision

Major defect:
when use of wipers or washer is required
23(a)M: **wiper or washer** fails to adequately clear driver's field of vision in area swept by driver's-side wiper.

Inspection procedure:

Demonstrate: • Check BOTH driver and passenger side wipers condition for any damage or missing parts.
Tell examiner: • The driver's side wiper is in good condition, and the blade is not missing. • The passenger's side wiper is in good condition, and the blade is not missing.
Demonstrate: • Check washer fluid works properly.
Tell examiner: • The washer works properly and provides adequate **clear view.**
Demonstrate: • Check all speeds of wipers one by one. • Look at both wipers after changing speed each time
Tell examiner: • Speed 1 working properly. • Speed 2 working properly. • Speed 3 working properly. • Safe and secure

3. In-cab Check

Driver's seat and seat belt

Demonstrate: • Check the backrest and bottom of the seat to ensure it is not damaged and mounted securely. • Shake back and forward to ensure the seat is not moving.
Tell examiner: • The seat and backrest are in good condition, mounted securely and **remain in set position.**
Demonstrate: • Check the seat belt **anchor fastener** and ensure it is secure. • Check the seat belt for any **damage** or cuts. • Check if seat belt **locks and unlocks** securely. (lock, pull, and unlock)
Tell examiner: • The seat belt is mounted securely. • The seat belt has no cuts or damages. • Seat belt locks and unlocks properly.
Demonstrate: • Check the tether belt to the right and left side.
Tell examiner: • The tether belt to the right side is in good condition and mounted securely. • The tether belt to the left side is in good condition and mounted securely.

Mirrors and windshield

Demonstrate: • Check windshield for any cracks or damages.
Tell examiner: • The windshield is mounted securely, has no cracks, or damage and provides a clear view.

Demonstrate:
• Check both driver's side mirrors for any cracks and damage.
• Check to ensure they are adjusted properly for driving.
• Repeat for:
  ○ Both hood mirrors.
  ○ Both flat and convex mirrors to the driver and passenger sides.

Tell examiner: • The mirror is in good condition, has no cracks or damage. • **Adjusted properly for driving.** • Repeat for all

Windshield wipers and washer

Demonstrate: • Turn ignition ON • Check BOTH sides (driver and passenger side) wipers condition for any damage, or missing parts.
Tell examiner: • The driver's side wiper is in good condition, and the blade is not missing. • The passenger's side wiper is in good condition, and the blade is not missing.
Demonstrate: • Check washer fluid works properly.
Tell examiner: • The washer works properly and provides adequate clear view.
Demonstrate: • Check all speeds of wipers one by one. • Look at both wipers after changing speed each time
Tell examiner: • Speed 1 working properly. • Speed 2 working properly. • Speed 3 working properly. • Safe and secure

Gauges and indicators

Demonstrate: • Ensure the gear is neutral and parking brakes are applied. • Start the engine. • Check all the gauges and indicators and ensure they work properly within normal range
Tell examiner: • All the gauges and indicators are working properly within normal range
Demonstrate: • Check Air gauges one by one and ensure they are in operating range (80-145 Psi)
Tell examiner: • Primary and secondary air pressure gauges are working properly at ___ Psi which is in operating range
Demonstrate: • Mention all present warning lights
Tell examiner: • All warning lights are off except for ___, ___, ____

Steering wheel

Demonstrate: • Shake the steering wheel to make sure it is mounted securely and remains in position.
Tell examiner: • The steering wheel is mounted securely.
Demonstrate: • Check free-play of the steering wheel. It should be less than 2 inches
Tell examiner: • The steering wheel free play is less than limit.
Demonstrate: • Turn all the way right and left.
Tell examiner: • The steering wheel turning left responds normally. • The steering wheel turning right, responds normally.

Heater / Defroster

Demonstrate: • Ensure there is no object between windshield and dash
Tell examiner: • There is no object between windshield and dash
Demonstrate: • Turn the knobs on **heat** and **defroster** position • Place your hand over the dash vents to feel the airflow at different speeds • Check all speeds one by one
Tell examiner: • The knob is to defroster and **heat mode**. • Speed 1 working properly (repeat for all speeds) • Defroster works properly and provides adequate **clear view**.