

Pre-Trip

Most of the pre-trip will be one of the following, which shows what you will be looking for:

Metal: You want to check that there are no cracks or damage in the metal and have no illegal welds. Not **BCD**: Bent, Cracked or Damaged

Hoses: You want to make sure that they aren't leaking or rubbing anywhere and that they have no cracks or damage. No **ABC**: Abrasion, Bulges or Cuts.

Fluids: Fluids need to have their levels checked. Mention that you are making sure it is FULL. Also mention where you would check the level and where you would fill it. You also want to make sure they aren't leaking or the containers and hoses don't have any damage. Not **CDL**: Cracked, Damaged or Leaking.

Lights: Proper color, amber in front, red in rear. Clean and working, not cracked or damaged. Headlights (High and Low Beams), Left and Right Turn Signals, 4-Way Flashers, Clearance Lights, Brakes Lights and Tail Lights.

Electric: No **ACE**: Abrasions, Cuts or Exposed wiring.

Tires: **ICD**: Inflation Condition and Depth.

Lights Operations Check

Inspect all lights on the front, sides and rear of the vehicle operates and illuminate when corresponding lights are turned on, including: left, right, 4-Way flashers, low beam, high beam, clearance or marker lights, taillights and brake lights.

Engine Compartment

Lenses – Inspects that light lenses or covers are the proper color, clean and not broken or missing.

Fluid Levels – With the engine off, indicate that fluids would be inspected for proper levels including the:

Engine Oil, Cooling System/Coolant

Power Steering Fluid, Brake Fluid, if equipped

Fluid & Air Leaks

Looks for puddles on the ground, dripping fluids around and on underside of engine and transmission.

Inspects hoses and air lines for condition and leaks, ABC.

Steering System

Power steering box is securely mounted and not leaking.

All steering hoses and connections are not cracked, worn or leaking. Steering linkage has no missing nuts, bolts or cotter keys. Visible connecting links, arms, and rods from the steering box to the wheel are not worn, or cracked and that joints and sockets are not worn or loose.

Axle

Inflation: Check for proper inflation using a tire gauge. Make sure all valve stems are accessible, not broken or damaged, and valve caps are not missing.

Condition: Check for cuts and damage. Looks for bumps and bulges in the sidewall.

Depth – Check for minimum depth with a tread depth gauge on all major tread grooves. Minimum of 4/32 on steering tires and 2/32 on all others.

Rims

Not damaged, cracked or bent. No welding repairs.

Look for rust trails that may indicate rim is loose on a wedge wheel if applicable. Bolt holes are not elongated

Lug Nuts

All present and tight, no signs of rust trails or shiny threads which indicate looseness. No broken studs

Suspension

Springs – Not cracked, bent or scissoring. No broken or distorted coil springs.

Spring/Air Mounts – Not cracked, broken or missing any parts.

Air Bags – Secure, not damaged or leaking, if equipped

Shock Absorbers – Are secure, not damaged or leaking. Vehicle is sitting level, front to rear and side to side.

Brake Lines or hoses

Break Lines are not leaking, hoses or lines are not cracked, worn or frayed. All hoses or lines, couplings and fittings are secure. No grease, oil, etc. on the brake lining or pads and the brake drum or disc that can affect braking.

Side of Vehicle/Trailer

Lenses & Reflectors – Lenses are not cracked or broken and amber in color and clean.

Traffic Monitoring Device

Mirrors are clean and not crack.

Brackets are not bent and are mounted securely with no missing parts. Cameras are clean

Battery

Secure, connections are tight, no excessive corrosion

Cable and lines are secure and not cracked or worn

Battery box, cover or door is secure.

Fuel & DEF Tank

Cap – Tight

Tanks – No leaks and straps have no metal-to-metal surfaces touching, no fresh metal showing, or damage.

Frame

No Cracks, broken welds, holes or other damage to the frame members, including the trailer, if applicable. Inspect for cracks, breaks, or holes in the cargo area or floor, including the trailer, if applicable.

Inspect that the trailer tandem release lever and pins are secure, if applicable.

Coupling System

Air and Electric Lines

Air and electric connectors on the power unit and trailer are seated and sealed, free of damage and locked into

place. Air hoses and electrical lines are not cut, cracked, chafed, spliced, taped or worn (steel braid/electrical conductor must not show through). Listen for air leaks, if equipped.

Pintle Hook

- Check that it is securely mounted to the vehicle frame. Check for loose or missing parts including mounting bolts, nuts, pins, brackets and clamps.
- Check for cracks, breaks or excessive wear.

Trailer Drawbar Ring & Tongue – Check that the drawbar ring or eye:

- Is not bent or twisted
- Is secured to the trailer tongue and there are no loose or missing bolts, broken welds or cracks
- Is not worn.
- Check the trailer tongue for dents, twists, cracks, and broken welds and that the trailer tongue can support the weight of the load. If extendable, inspect that the bolts locking pins and cotter pins are in place.

Tow Hitch

- Check that the tow hitch or other mechanism is securely mounted to the vehicle frame.
- Inspect the sway bar/control, if equipped.
- Check for loose or missing parts including mounting bolts, nut, pins, brackets and clamps, including the trailer ball or other mechanism.
- Check for cracks, breaks or excessive wear.

Trailer Coupler & Tongue – Check that the trailer coupler is:

- Not bent, worn or twisted
- Secured to the trailer tongue and there are no loose or missing bolts, broken welds, or cracks
- Check the trailer tongue for dents, twists, cracks, and broken welds and that the trailer tongue can support the weight of the load.
- If extendable, inspect that the bolts, locking pins and cotter pins are in place.

Trailer Only

Reflective Tape – Check that the reflector tape on the sides and rear of the trailer are present and affixed securely to the trailer.

Landing Gear

Landing gear is fully raised, has no missing parts, the crank handle is secure, and the support frame and landing pads are not damaged.

If power operated, inspects for air or hydraulic leaks.

Inspects that the fifth wheel is positioned properly so that the tractor frame will clear the landing gear during turns.

Rear of Vehicle

Lights – Clearance lights, lift signal, right signal, 4-way flashers, tail lights, brake lights and reflectors have no

cracks or damage and lenses are the proper color (red). All lights are clean.

In-Cab

Fire Extinguisher – Present, not damaged, properly rated, filled and mounted.

3 Reflective Triangles – Present.

Spare Fuses and Circuit Breakers – Present and one for each type.

Both Horns – Pull highway horn and push city horn and mention that both are working.

Wipers and Washers – *Must turn on* wipers and *spray out* the windshield wiper fluid to clean the glass, mention that they are working and fluid comes out.

Windshield, Mirrors and other Monitoring Devices

There are no illegal stickers, they are not broken or cracked, they are clean and adjusted for the me. Inspect cameras are clean and in working condition. Devices should be viewable from the inside and the video display must be operable and adjusted for viewing.

Heater and Defroster – *Must turn* heater on, warm air blows in cab and onto windshield. Put hand on both to feel the **Heater and Defroster**

Inside Lights – Turn on the Left and Right turn signals, 4-ways, and High and Low Beams and say they are working. Check DEF indicator. You turned them all on for the light operations check, but you must still do it again to check the indicators on the inside.

Brake Test

Parking Brakes – Put truck in low gear. **Do not touch the stick again!** Pull out Parking Brake knob (yellow one), make sure the red knob is in. Let the clutch out slowly to tug very lightly forward. Truck should not move. Tell the tester if it works. Then push yellow knob in and pull out the red one and do it again.

Service Brakes – Push both knobs in. **Do not touch anything in the truck with your right hand again!** Let the clutch out slowly to roll forward at **5 mph** and push service/foot brake while covering the steering wheel with hands, then you stop and say, *“Brakes are working and the steering wheel did not turn indicating front brakes are adjusted properly and the front tires are in alignment.”*

Hydraulic Brake Check (must pass)

Inspect indicators and warning systems are functioning if equipped. With transmission in Park, notice the normal height of the brake pedal then inspect pedal pressure. Pump the brake pedal three times, and then hold it down for five seconds, or as specified by the manufacturer. The brake pedal should not move (depress) after initial application and should be firm and have a sufficient amount of reserve for brake pedal application. Inspect that they hydraulic power assist system, is function if equipped.