

FRONT OF TRACTOR

LIGHTS & REFLECTORS

- o Proper Color
- o Working
- o Not Broken
- o Not cracked

LEAKS

- o Check for puddles
- o Check for drips under engine



■ Pre-Trip Inspection Test Items

■ Reference Items

ENGINE COMPARTMENT - PASSENGER SIDE

WATER PUMP

- o Mounted Securely
- o No missing bolts or parts
- o Hoses attached securely
- o No leaking hoses or water pump
- o Belts no more than 3/4 inch of play
- o Belts not cracked, frayed, or damaged

ALTERNATOR

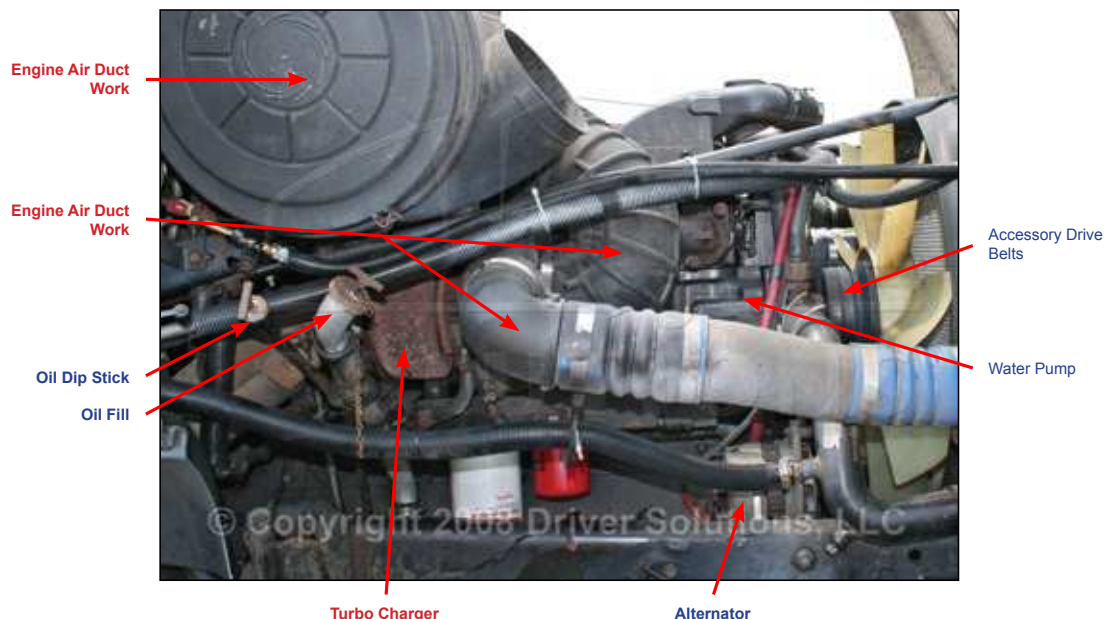
- o Mounted Securely
- o No missing bolts or parts
- o Wires good connections, not frayed
- o Belt no more than 3/4 inch of play
- o Belts not frayed or cracked

OIL LEVEL

- o Check for level and condition

PLUS ALL OTHER HOSES & WIRING

- o Not cracked, frayed, or broken
- o Belts no more than 3/4 inch of play
- o Hoses not leaking



■ Pre-Trip Inspection Test Items

■ Reference Items

ENGINE COMPARTMENT - DRIVER SIDE

- COOLANT**
 - o Check for level and condition
 - o Hoses attached and not leaking
- POWER STEERING RESERVOIR**
 - o Mounted properly
 - o Hoses attached and not leaking
 - o Check for level and condition
- AIR COMPRESSOR**
 - o Mounted Securely
 - o No missing bolts or parts
 - o No air leaks at lines
 - o Check if gear or belt driven
 - o Belt no more than 3/4 inch of play
 - o Belts not cracked or frayed
- STEERING GEAR BOX**
 - o Mounted properly
 - o No missing parts, nuts or bolts
 - o Lines and hoses not leaking or broken



■ Pre-Trip Inspection Test Items

■ Reference Items

- POWER STEERING RESERVOIR**
 - o Mounted properly
 - o Hoses attached and not leaking
 - o Check for level and condition
- AIR COMPRESSOR**
 - o Mounted Securely
 - o No missing bolts or parts
 - o No air leaks at lines
 - o Check if gear or belt driven
 - o Belt no more than 3/4 inch of play
 - o Belts not cracked or frayed
- STEERING GEAR BOX**
 - o Mounted properly
 - o No missing parts, nuts or bolts
 - o Lines and hoses not leaking or broken
- STEERING LINKAGE**
 - o Pitman arm, Drag link, Steering knuckle, Tie rods and tie rod ends
 - o Not cracked, bent or broken
 - o Castle nuts and cotter pins
 - o Not missing and in place

ENGINE COMPARTMENT - DRIVER SIDE CON'T



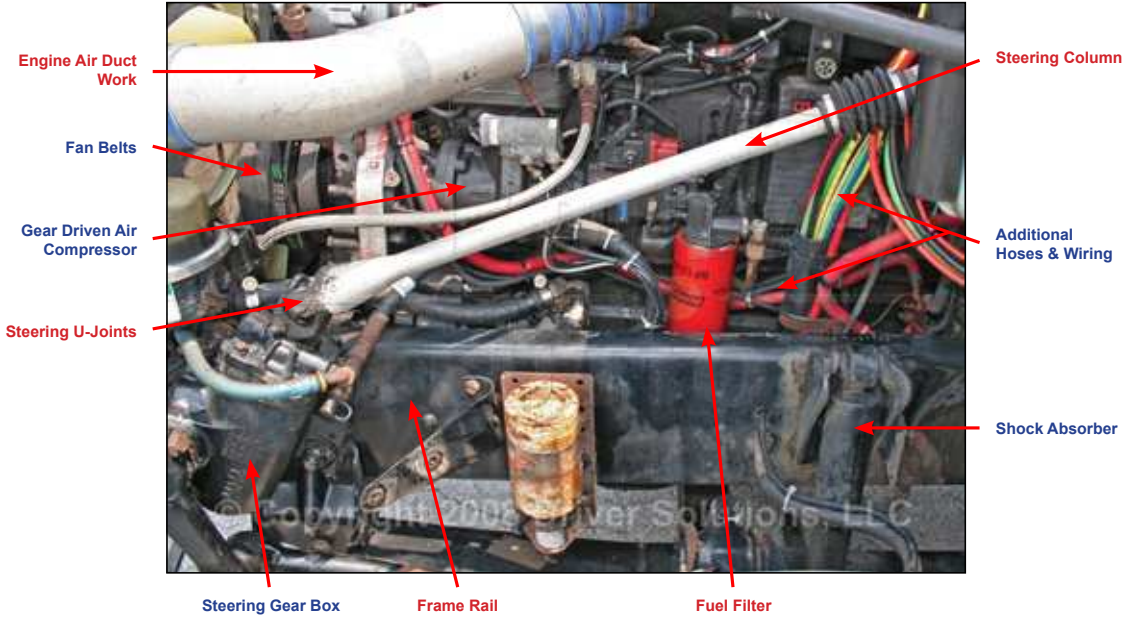
■ Pre-Trip Inspection Test Items

■ Reference Items

ENGINE COMPARTMENT - DRIVER SIDE CON'T

- AIR COMPRESSOR**
 - o Mounted Securely
 - o No missing bolts or parts
 - o No air leaks at lines
 - o Check if gear or belt driven
 - o Belt no more than 3/4 inch of play
 - o Belts not cracked or frayed

- STEERING GEAR BOX**
 - o Mounted properly
 - o No missing parts, nuts or bolts
 - o Lines and hoses not leaking or broken



ENGINE COMPARTMENT - AIR COMPRESSOR

- AIR COMPRESSOR**
 - o Mounted Securely
 - o No missing bolts or parts
 - o No air leaks at lines
 - o Check if gear or belt driven
 - o Belt no more than 3/4 inch of play
 - o Belts not cracked or frayed



FRONT SUSPENSION

- LEAF SPRINGS**
 - o Not shifted or out of place
 - o Not cracked, broken or missing
- SPRING MOUNTS**
 - o Mounted securely- front, back, and U-bolts
 - o Not cracked or broken
- SHOCK ABSORBER**
 - o Mounted Securely
 - o Not bent or dented
 - o Not leaking



■ Pre-Trip Inspection Test Items

■ Reference Items

FRONT SUSPENSION CON'T

- LEAF SPRINGS**
 - o Not shifted or out of place
 - o Not cracked, broken or missing
- SPRING MOUNTS**
 - o Mounted securely- front, back, and U-bolts
 - o Not cracked or broken
- SHOCK ABSORBER**
 - o Mounted Securely
 - o Not bent or dented
 - o Not leaking



Air Dryer location varies depending on model.
Located either behind the front bumper or behind the fuel tank.

■ Pre-Trip Inspection Test Items

■ Reference Items

FRONT BRAKES

- **HOSES AND LINES**
 - Mounted securely
 - Not leaking
 - Not cracked or frayed
- **CHAMBER**
 - Mounted securely
 - Not dented or damaged
 - Not leaking
- **SLACK ADJUSTER**
 - No more than 1 inch of free play at the push rod with the brakes released.
 - Not bent, broken, loose, or missing parts
- **DRUMS**
 - Not cracked, broken or dented
 - No oil leaking from inner oil seal, free of debris
- **LININGS**
 - No cracked, broken or missing parts
 - Not less than 1/4 inch in thickness

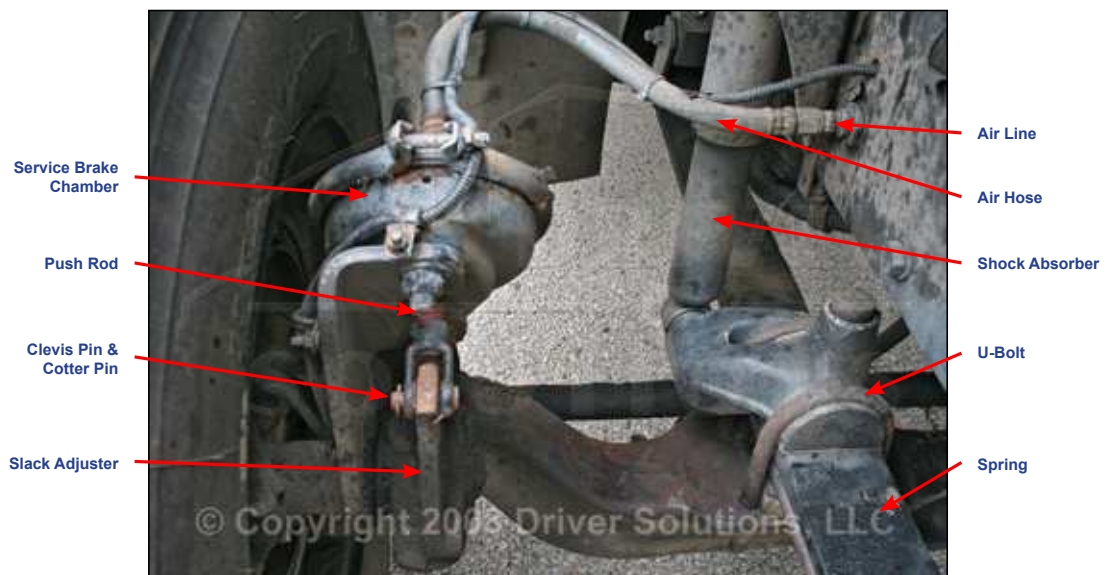


■ Pre-Trip Inspection Test Items

■ Reference Items

FRONT BRAKES CON'T

- **HOSES AND LINES**
 - Mounted securely
 - Not leaking
 - Not cracked or frayed
- **CHAMBER**
 - Mounted securely
 - Not dented or damaged
 - Not leaking
- **SLACK ADJUSTER**
 - No more than 1 inch of free play at the push rod with the brakes released.
 - Not bent, broken, loose, or missing parts
- **DRUMS**
 - Not cracked, broken or dented
 - No oil leaking from inner oil seal, free of debris
- **LININGS**
 - No cracked, broken or missing parts
 - Not less than 1/4 inch in thickness



■ Pre-Trip Inspection Test Items

■ Reference Items

FRONT WHEEL

- **TIRES**
 - o Proper inflation – company or manufacturer specification
 - o No bulges, cuts, or retreads
 - o Minimum tread depth of 4/32”
- **RIMS**
 - o Not bent, cracked, No welding repairs.
- **LUG NUTS**
 - o None are missing
 - o Tight – no shiny threads, or rust trails
- **OUTER HUB OIL SEALS**
 - o Not leaking, no missing bolts
 - o Proper oil level



■ Pre-Trip Inspection Test Items

■ Reference Items

DRIVER FUEL AREA

- **DRIVER'S DOOR**
 - o Door opens and closes properly
 - o Seal is in good condition
- **DRIVER'S MIRRORS**
 - o Clean and free of obstruction
 - o Not cracked, broken, or damaged
 - o Mounted securely
- **FUEL TANK**
 - o Mounted securely
 - o Not leaking
 - o Seal in cap OK

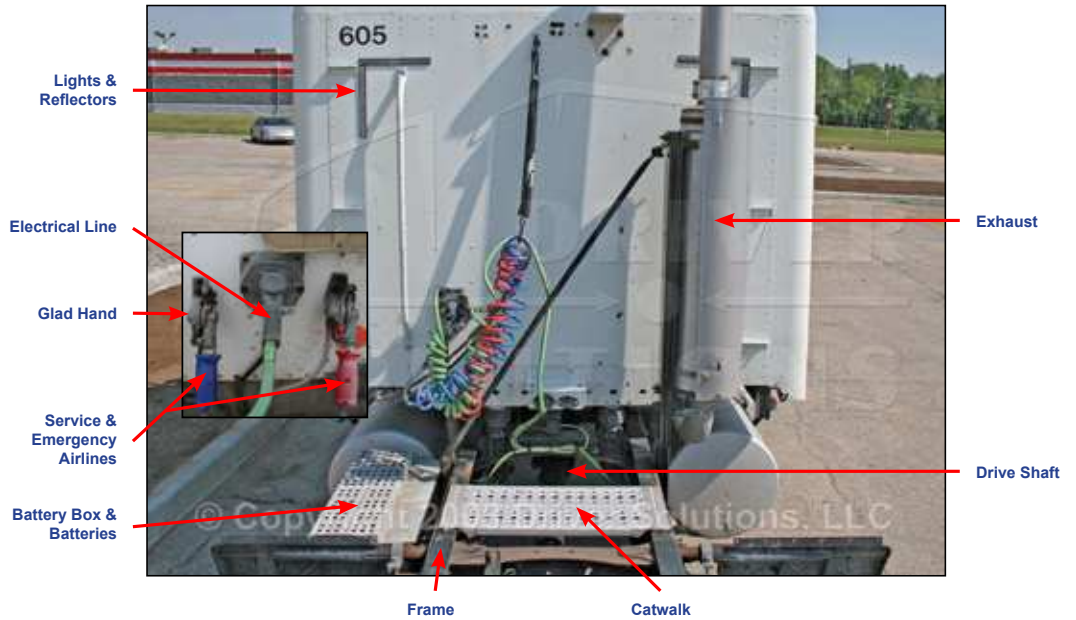


■ Pre-Trip Inspection Test Items

■ Reference Items

- ❑ **AIR LINES & ELECTRIC LINE**
 - o Not cracked, frayed, cut, or kinked
 - o Mounted securely at the glad hands
 - o Not leaking
- ❑ **BATTERY BOX & BATTERIES**
 - o Box is mounted properly
 - o Batteries are secure in the box
 - o Lid secure
 - o Connections not corroded
- ❑ **CATWALK**
 - o Mounted properly
 - o Not, missing, or damaged
 - o Free of obstructions
- ❑ **DRIVE SHAFT**
 - o Not bent, or damaged
 - o Coupling, U-joints appear secure
- ❑ **EXHAUST SYSTEM**
 - o Securely mounted
 - o Not dented or damaged
 - o Not leaking
- ❑ **FRAME**
 - o Not cracked, or damaged
 - o No missing bolts
 - o No illegal welds
- ❑ **LIGHTS & REFLECTORS**
 - o Clean and working

BEHIND THE CAB



FRONT OF TRAILER

- ❑ **HEADER BOARD**
 - o No holes or missing rivets
- ❑ **LIGHTS & REFLECTORS**
 - o None broken, cracked, or missing
 - o Working and proper color of amber



DRIVE AXLE SUSPENSION

- CONTROL ARM MOUNT**
 - o Mounted securely
 - o Not bent, broken or damaged
- CONTROL ARM**
 - o Mounted securely – front, back, and U-bolts
 - o Not cracked, or broken
- SHOCK ABSORBER**
 - o Mounted Securely
 - o Not bent, dented or leaking
- TORSION BAR**
 - o Mounted Securely
 - o Not bent, broken or damaged
- AIR BAGS**
 - o Mounted Securely
 - o Not leaking

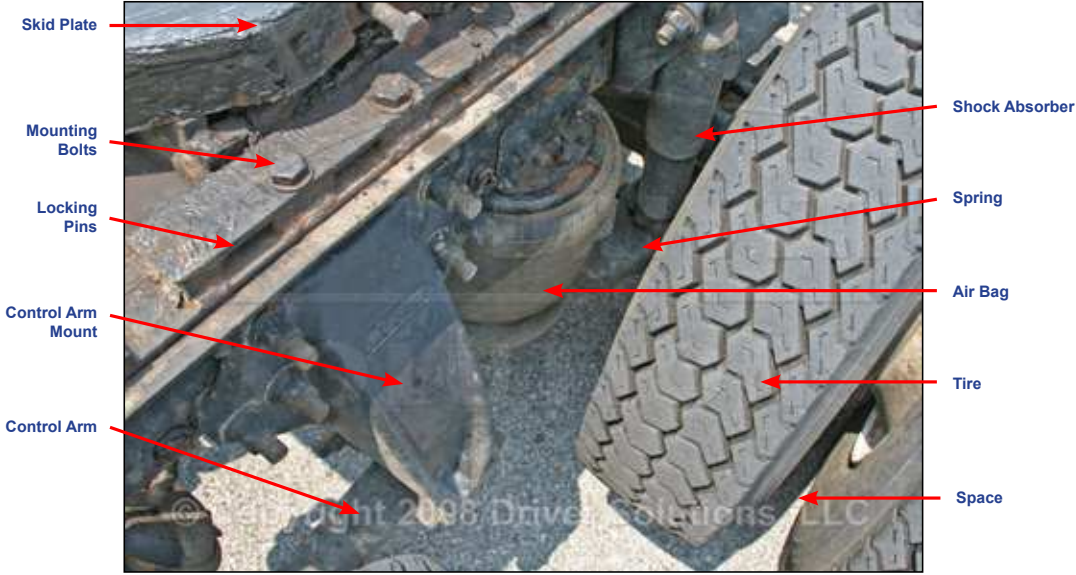


■ Pre-Trip Inspection Test Items

■ Reference Items

DRIVE AXLE SUSPENSION CON'T & FIFTH WHEEL

- CONTROL ARM MOUNT**
 - o Mounted securely
 - o Not bent, broken or damaged
- CONTROL ARM**
 - o Mounted securely – front, back, and U-bolts
 - o Not cracked, or broken
- SHOCK ABSORBER**
 - o Mounted Securely
 - o Not bent, dented or leaking
- TORSION BAR**
 - o Mounted Securely
 - o Not bent, broken or damaged
- AIR BAGS**
 - o Mounted Securely
 - o Not leaking



■ Pre-Trip Inspection Test Items

■ Reference Items

DRIVE BRAKES & DRIVE SHAFT

- **HOSES AND LINES**
 - Mounted securely
 - Not leaking
 - Not cracked or frayed
- **CHAMBER**
 - Mounted securely
 - Not dented or damaged
 - Not leaking
- **SLACK ADJUSTER**
 - No more than 1 inch of free play at the push rod with the brakes released.
 - No bent, broken, loose, or missing parts
- **DRUMS**
 - Not cracked, broken or dented
 - No oil leaking from inner oil seal, free of debris
- **LININGS**
 - No cracked, broken or missing parts
 - Not less than ¼ inch in thickness



■ Pre-Trip Inspection Test Items

■ Reference Items

DRIVE WHEELS

- **TIRES**
 - Proper inflation - company or manufacturer specification.
 - No bulges or cuts, can have retreads
 - Minimum tread depth of 2/32"
- **RIMS**
 - Not bent or cracked
 - No welding repairs
- **LUG NUTS**
 - None missing
 - Tight – no shiny threads, or rust trails
- **OUTER AXLE SEAL**
 - Not leaking, no missing bolts
- **SPACE OR SPACER**
 - Check for objects between wheels
 - Check for proper spacing

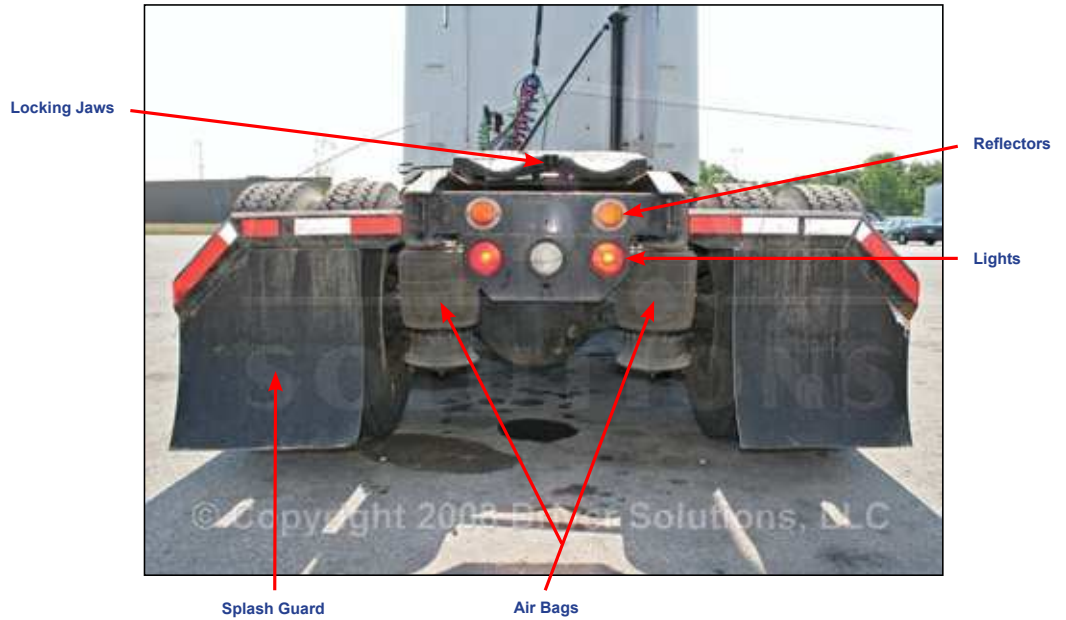


■ Pre-Trip Inspection Test Items

■ Reference Items

REAR OF TRACTOR

- LIGHTS & REFLECTORS**
 - o Not cracked, or broken
 - o Working and proper color
- SPLASH GUARDS**
 - o Not missing or torn and properly mounted



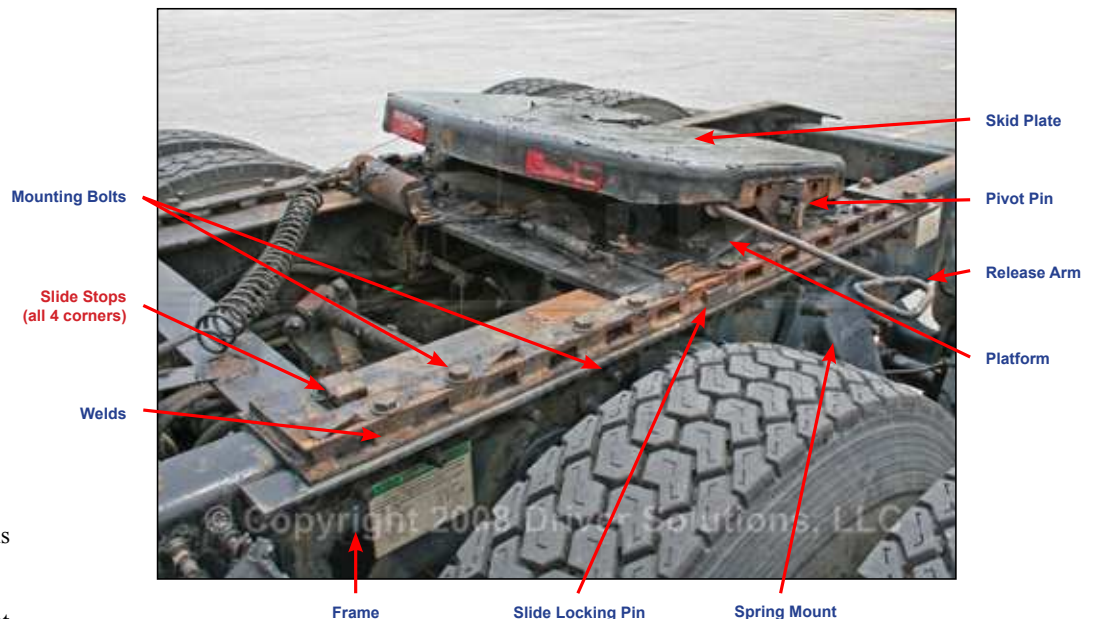
■ Pre-Trip Inspection Test Items

■ Reference Items

- MOUNTING BOLTS**
 - o None missing or broken
- RELEASE ARM**
 - o Not bent, broken, or damaged
 - o Engaged in the lock position

COUPLING SYSTEM

- LOCKING PINS**
 - o No missing or broken parts
 - o Engaged and locked
- PLATFORM**
 - o Securely holds skid plate
 - o Not cracked, or broken
- SKID PLATE**
 - o Mounted properly on the platform
 - o Properly greased
 - o Tilting freely
- KING PIN**
 - o Not broken, bent, or damaged
- APRON**
 - o No bends or damage to visible portions
- GAP**
 - o Check that the trailer apron is lying flat on the fifth wheel skid plate
- JAWS**
 - o Check that the locking jaws are fully closed around the shank of the king pin



■ Pre-Trip Inspection Test Items

■ Reference Items

SIDE OF TRAILER

- **LANDING GEAR**
 - o Fully raised and handle secure
 - o No missing parts
 - o Support frame not cracked, broken, or damaged
- **FRAME**
 - o Not cracks, bends, or damaged
 - o No missing or damaged cross members
 - o No signs of holes or damage to trailer floor
- **TANDEM RELEASE**
 - o Locking pins secure and locked in place
 - o Release handle is secure
- **LIGHTS & REFLECTORS**
 - o Working and proper color
 - o Front and side are amber
 - o Rear edge is red
 - o Not broken, cracked, or missing



■ Pre-Trip Inspection Test Items

■ Reference Items

TRAILER SUSPENSION

- **LEAF SPRINGS**
 - o Not shifted or out of place
 - o Not cracked, broken or missing
- **SPRING MOUNTS**
 - o Mounted securely – front, back, and U-bolts
 - o Not cracked, or broken
- **TORQUE ROD**
 - o Mounted Securely
 - o Not bent, broken or damaged
- **SHOCK ABSORBER (If Equipped)**
 - o Mounted Securely
 - o Not bent, dented or leaking
- **AIR BAGS (If Equipped)**
 - o Mounted Securely
 - o Not leaking

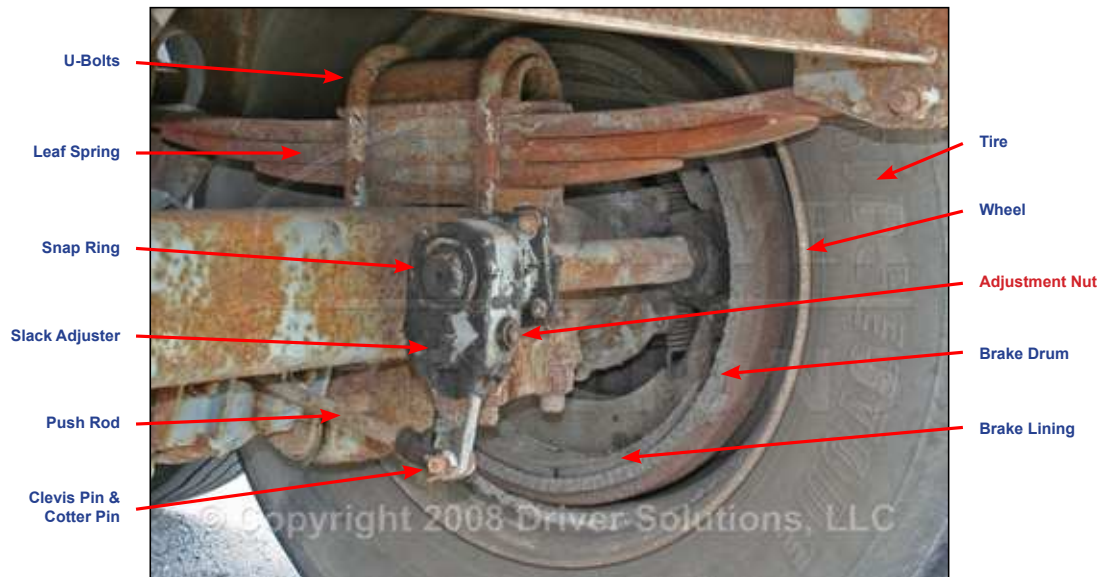


■ Pre-Trip Inspection Test Items

■ Reference Items

- **HOSES AND LINES**
 - o Mounted securely
 - o Not leaking
 - o Not cracked or frayed
- **CHAMBER**
 - o Mounted securely
 - o Not dented or damaged
 - o Not leaking
- **SLACK ADJUSTER**
 - o 90 degrees with brakes applied.
 - o No more than 1 inch of free play at the push rod with the brakes released.
 - o No bent, broken, loose, or missing parts
- **DRUMS**
 - o Not cracked, broken or dented
 - o No oil leaking from inner oil seal, free of debris
- **LININGS**
 - o No cracked, broken or missing parts
 - o Not less than 1/4 inch in thickness

TRAILER BRAKES



■ Pre-Trip Inspection Test Items

■ Reference Items

- **TIRES**
 - o Proper inflation-company or manufacturer specification.
 - o No bulges or cuts, can have retreads
 - o Minimum tread depth of 2/32"
- **RIMS**
 - o Not bent or cracked
 - o No welding repairs
- **LUG NUTS**
 - o None missing
 - o Tight – no shiny threads, or rust trails
- **OUTER HUB OIL SEAL**
 - o Not leaking, no missing bolts
 - o Fluid level OK
- **SPACE OR SPACER**
 - o Check for objects between wheels
 - o Check for proper spacing

TRAILER WHEELS



■ Pre-Trip Inspection Test Items

■ Reference Items

REAR OF TRAILER

- DOORS**
 - o Not bent, broken, or damaged
 - o Close and latch securely
 - o Hinges secure, no damage
- DOOR TIES**
 - o Not missing, broken, and securely mounted
- SPLASH GUARDS**
 - o Mounted properly
 - o Not missing, ripped or torn
- DOT BUMPER**
 - o Not bent or damaged
- LIGHTS & REFLECTORS**
 - o Working and proper color
 - o Not broken, cracked, or missing



■ Pre-Trip Inspection Test Items

■ Reference Items

- EMERGENCY EQUIPMENT**
 - o Spare electrical fuses
 - o 3 reflective triangles
 - o Red ands mounted securely
 - o Fire extinguisher
 - o Minimum of 10 BC
 - o Fully charged
 - o Securely mounted
- SAFETY BELT**
 - o Latches securely
 - o Mounted securely
- STEERING WHEEL**
 - o No more than 10 degrees of free play
- CLUTCH**
 - o Engages and disengages smoothly
- SHIFTER**
 - o Moves in and out of gear properly
 - o Range selector works
- WATER TEMP GAUGE**
 - o Gauge is working (170 – 210 degrees)
- OIL PRESSURE GAUGE**
 - o Gauge is working properly
 - o Normal oil pressure (20 - 45 PSI)
 - o Check that the warning light goes out
- AMMETER/VOLTMETER**
 - o Gauge shows (12 – 14) volts to show battery is charging and that the generator or alternator is working properly

- LIGHTING INDICATORS**
 - o Left and right turn signal
 - o 4-Way Flashers
 - o High beam indicator
- HORNS**
 - o Electric (Street) horn works properly
 - o Air horn works properly
- HEATER & DEFROSTER**
 - o Move switch from heat to defrost
 - o Check for air flow
- WINDSHIELD**
 - o Clean and free of obstruction
 - o Not cracked or broken
- WIPERS & WASHER**
 - o Working
 - o Mounted securely to wiper arm
 - o Rubber not torn
 - o Washer sprays properly
- MIRRORS**
 - o Clean and adjusted
- PARKING BRAKE VALVES**
 - o Both are present and not leaking
 - o Place vehicle in 1st gear
 - o Release the tractor (yellow valve)
 - o And slowly pull against the trailer to ensure the coupling is secure, tug again to ensure that the brakes will work. Pull the tractor Valve out.
 - o Release trailer (Red valve)
 - o And slowly tug against the tractor brakes to ensure they work.

IN CAB INSPECTION

