



Start with keys
in pocket

PRE-TRIP INSPECTION STUDY GUIDE

THIS IS A GENERAL GUIDLINE. ITEMS LISTED BELOW MAY HAVE ADDITIONAL COMPONENTS

The following items are required to be inspected for the pre-trip inspection part of the skills test.

Engine Compartment

oil level
coolant
power steering fluid
water pump
alternator (belt/gear driven)
air compressor (belt/gear driven)
leaks/hoses
steering linkage
steering box

ALL VEHICLES

Engine Start (Inside Vehicle)

safe start	all gauges reading correct levels
mirrors	all lighting indicators
windshield	parking brake
wipers/washer	service brake/ABS
horn(s)	hydraulic brake
heater/defroster	-or-
safety/emergency equipment	air brakes (LAB check)
	a) leaks
	b) alarm
	c) button pops out

ALL VEHICLES INCLUDING TRAILER

Suspension

spring
spring mount
shock absorber
torsion bar
air bags/mounts

Brakes

hoses/lines
chamber
slack adjuster/pushrod
drum/lining
-or-
rotors/disks

Wheels

rims - spacers or bud
tires- tread/overall/pressure
hub/axle seal
lug nuts

Under Vehicle

frame
drive shaft
exhaust system

Coupling System Area

air/elec lines-hoses
catwalk/steps
safety latch/safety chain latch
mounting bolts
platform
release arm
kingpin
apron
sliding S^h wheel locking pins
pintle hook
splash guards

Trailer

air/electrical lines-hoses
header board or bulkhead
safety chains
landing gear
all doors/tie downs
frame/tandem release
tongue

Driver Door/Fuel A

door/mirror
fuel tank/caps/leaks

MUST BE CHECKED ON ALL VEHICLES (includes trailer)

Headlights/reflectors/clearance lights

Turn signals/brake lights/taillights



Clearance lights.
Properly Mounted &
Secured.
Not damaged not
broken.
Of proper color.

Head lights and turn
signals:
Properly mounted and
Secured.
Not damaged not
broken.
Of proper color.
Clean and clear.

A close-up photograph of the front of a dark blue truck. The truck's grille features the word 'STERL' in silver letters. A hand is visible on the left, pointing a wooden stick at the orange turn signal light on the headlight assembly. The background is a blurred green field.

headlights and turn signals

Truck is not leaning:
If it was it would
indicate a suspension
issue or low tire
pressure.
No leaks underneath
truck.



truck is not leaning



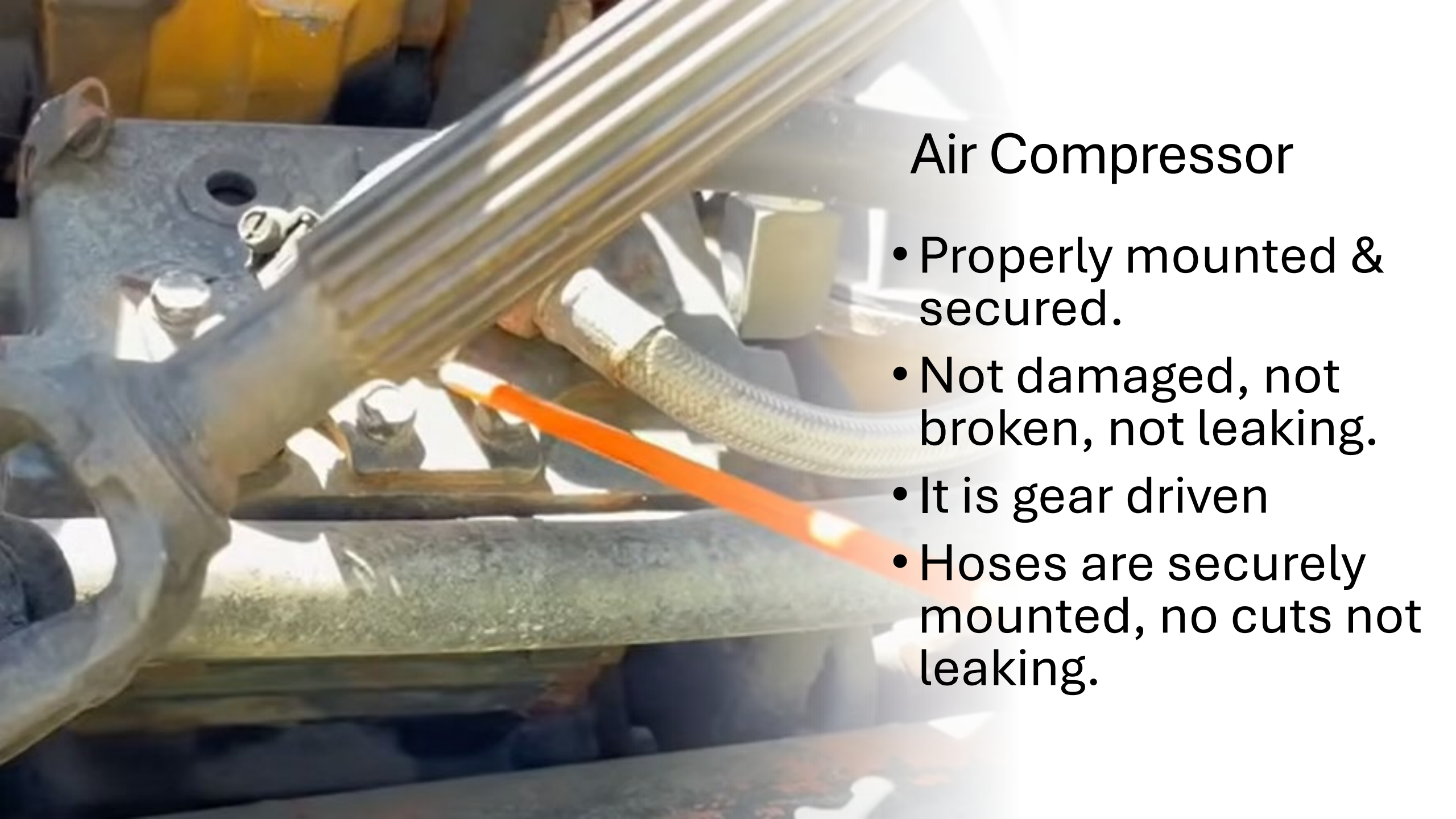
Alternator

- Properly mounted and secured.
- Not damaged, cracked or broken.
- Belt driven. Belts are secure, not cut, damaged or loose.
- Wires are secured mounted- not damaged, cut or exposed.

Water pump

- Properly mounted and secured.
- Not damaged, not broken, not leaking.
- Hoses are securely mounted and not damaged.
- Not cut/not leaking
- Belt driven.
- Belts properly secured and mounted, not damaged not cut
- No more than $\frac{3}{4}$ play





Air Compressor

- Properly mounted & secured.
- Not damaged, not broken, not leaking.
- It is gear driven
- Hoses are securely mounted, no cuts not leaking.

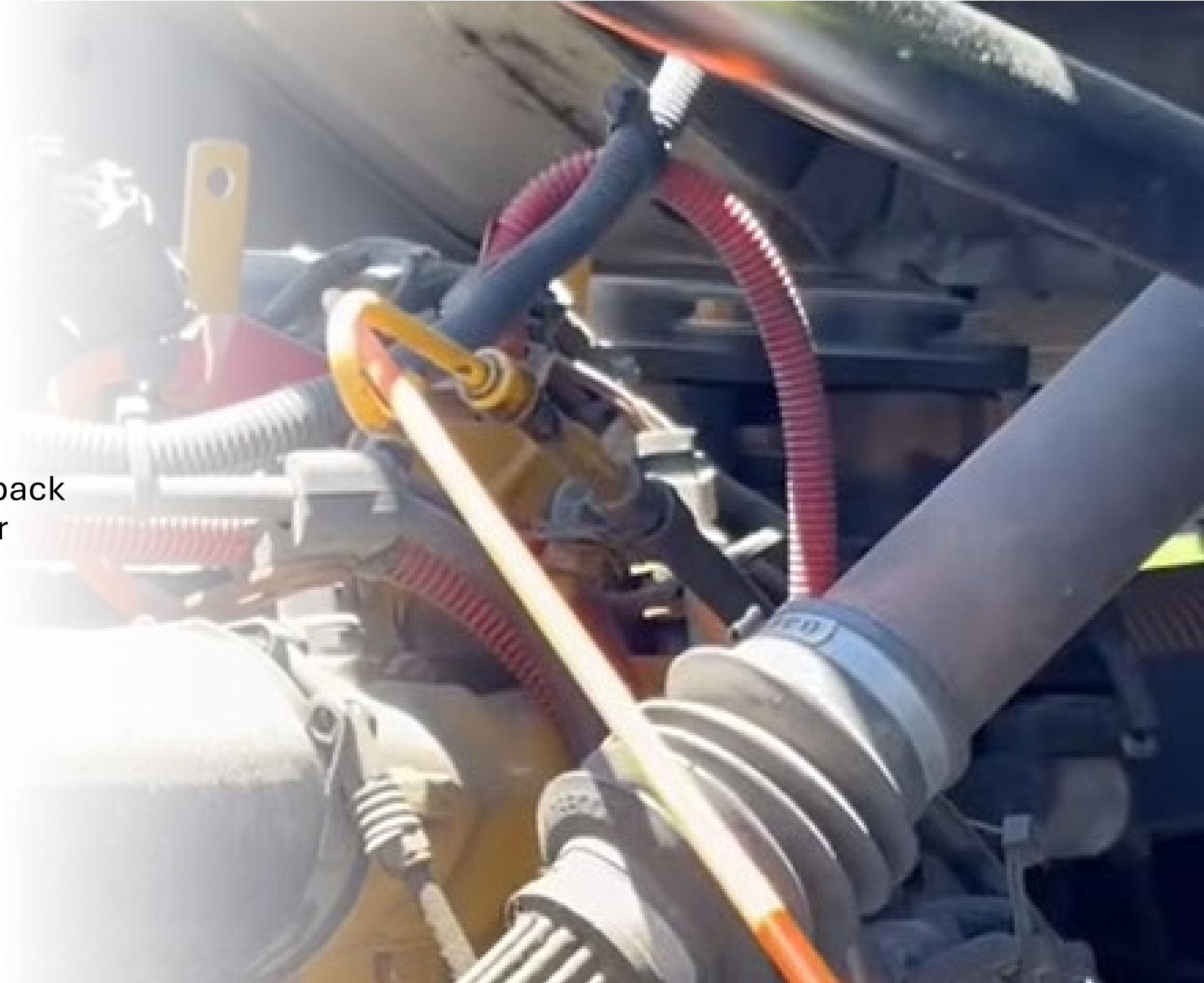
Coolant reservoir

- Properly mounted and secured
- Not damaged, not broken, not leaking,
- Hoses are properly mounted & secured.
- Not damaged not cut not leaking
- Filled to proper level, cap is present



Oil Stick

- Securely mounted.
- Not damaged
- Remove it, clean it, put back in, pull out and check for proper level
- Not leaking.



Power steering reservoir

- Properly secured and mounted.
- Not damaged not broken. Not leaking.
- Filled to proper level.
- Cap is present
- Hoses are secured mounted. Not damaged or cut not leaking



Steering shaft/ Universal joints

- Properly secured and mounted.
- Not damaged not broken.
- No more than 10 degrees of play.
- Universal joint is properly secured and mounted, not damaged or broken.
- No debris between connections.
- Properly greased





Steering gear box

- Properly secured and mounted.
- All hardware is present.
- Hoses are securely mounted.
- Hoses not damaged, not cut not leaking

- Pitman arm
- Drag link
- The upper and lower arm controls
- Tie rods
- All properly mounted and secured by castle nuts and quarter pins. Not damaged not broken



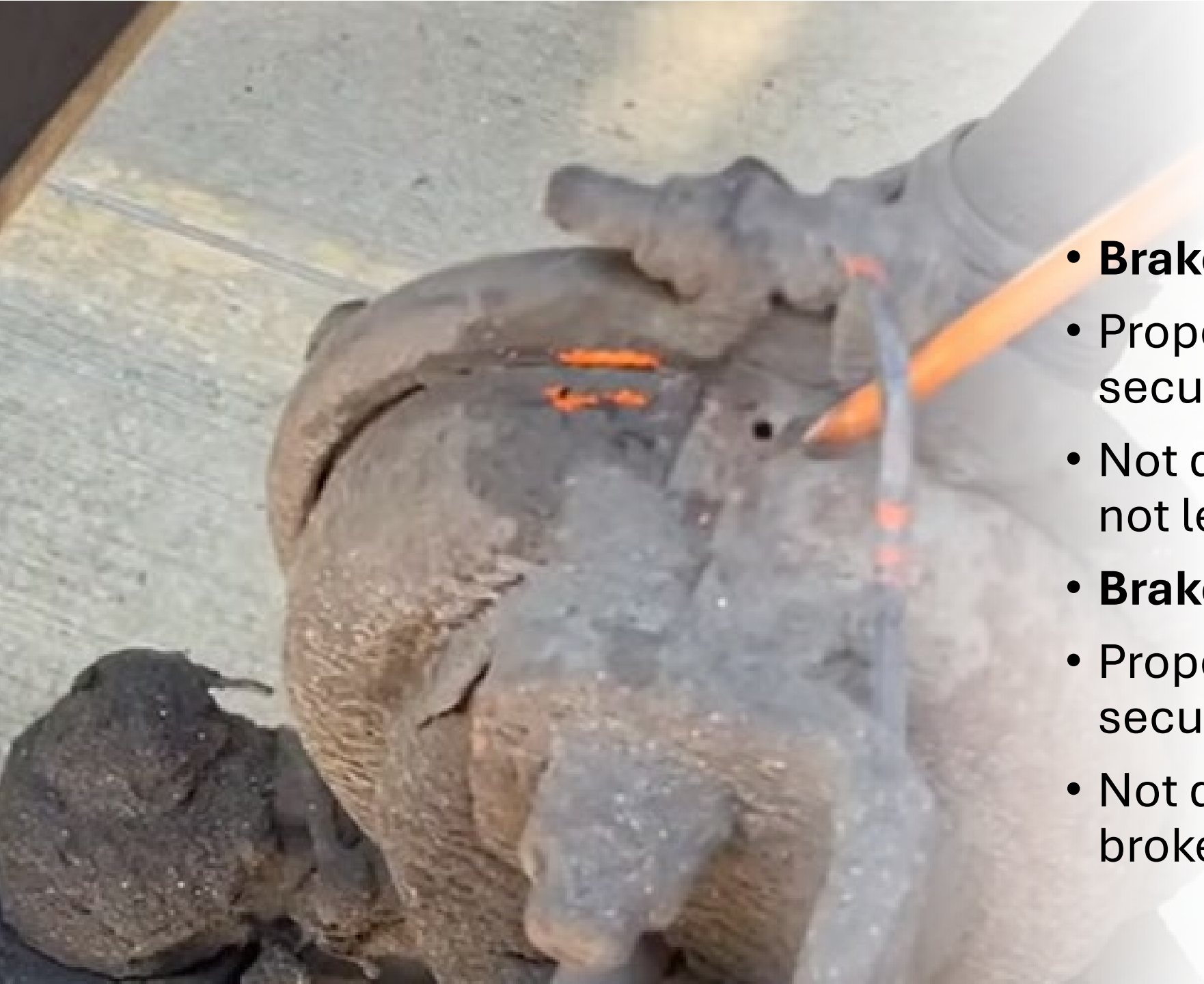


- **Leaf Spring Mounts** are properly secured and mounted.
- Not damaged not broken
- All hardware is present.
- **Leaf Springs** are properly secured and mounted.
- No scissoring.
- U bolts properly secured and mounted, not damaged, not broken.
- All hardware is present



Shock Absorbers

- Properly secured and mounted on the top and bottom.
- Not damaged, broken- no leaking



- **Brake hose**
- Properly mounted and secured.
- Not damaged, not cut, not leaking
- **Brake chamber**
- Properly mounted and secured.
- Not damaged, not broken, not leaking



Slacker adjuster and push rod

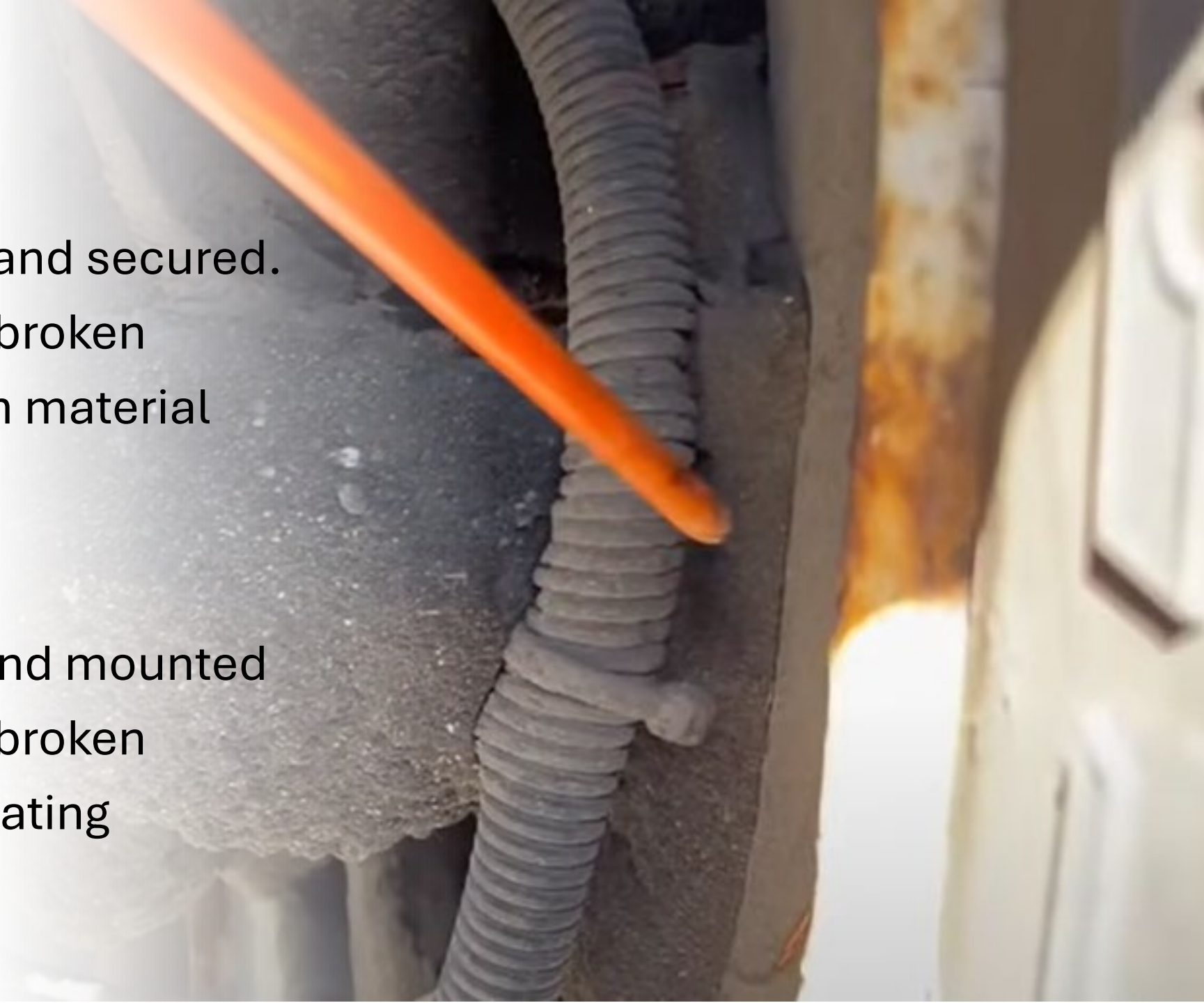
- Properly mounted and secured.
- Not damaged not broken
- Push rod has no more than 1 inch of play

Brake shoe

- Properly mounted and secured.
- Not damaged, not broken
- No less than ¼ inch material
- No grease, no oil

• Brake Drum

- Properly secured and mounted
- Not damaged, not broken
- No signs of over heating
- No illegal welds



A close-up photograph of a tire, showing the tread pattern on the left and the sidewall on the right. The sidewall features a large, stylized 'M' logo and some smaller, less legible text below it. The tire appears to be mounted on a metal rim, with some bolts visible on the right side. The background is a light, slightly blurred surface.

Tire

- Properly secured and mounted
- No bubbles, abrasions or cuts on wall of tire
- Top of tire has no less than 4/32 of material
- Tire has check tire pressure (110) check with tire gauge
- No recaps and no signs of leaking



Rim

- Properly secured and mounted
- Not damaged not broken
- No illegal welds
- Lug nuts are properly secured and mounted
- Not damaged not broken
- All are present
- No rust or shiny threads which would indicate looseness
- Hub seal are properly secured and mounted
- Not damaged not broken, not leaking
- All hardware is present
- Stem Value is properly secured and mounted
- Not damaged not broken
- Cap is present and not leaking

TIRE INSPECTION PROCEDURE

To perform a proper inspection of your tires the following items must be inspected.

T = Tread Depth

O = Overall Condition

P = Air Pressure

T = Tread Depth

Check for minimum tread depth:

Steering axle tires must have a minimum of 4/32 tread depth. All other tires must have a minimum of 2/32 tread depth.

O= Overall Condition

Check that the tread is evenly worn and look for other damage to tread or sidewalls. Also, make sure that valve caps and stems are on missing, broken or damaged.

P = Air Pressure

Check for proper inflation of the tire by using a tire gauge.

Note: You will not get credit if you simply kick the tires.

NOTE: All three of the above items must be checked in order to get credit for each tire you are inspecting.

Wording

- **TIRES, BELTS, HOSES "ANYTHING RUBBER":**
- **A-ABRASIONS / B-BRUISES OR BUBBLES / C-CUTS**
- **WIRING: CUTS OR FRAYS**
- **METAL: CRACKS, BREAKS, ILLEGAL WELDS, OR AFTERMARKET HOLES**
- **LUG NUTS OR ANY BOLTS: NO RUST TRAILS OR METAL SHAVINGS**
- **EXHAUST** -No carbon deposits