ARE SHOCKS ON YOUR VEHICLE MAINTENANCE INSPECTION CHECKLIST?

THE TOP 5 REASONS WHY THEY SHOULD BE

If you check shocks for your customers, you are helping them:

5. Achieve optimal ***COMFORT*** in their vehicle
4. ***MAXIMIZE*** their air spring life!
3. ***MAXIMIZE*** their tire life!
2. Ensure their ***SAFETY*** with proper vehicle control & handling
1. ***NOT*** leave money on the table for all the shocks on every vehicle that you should be replacing ***PLUS*** the labor to install them!

Q. How many bad shocks *per week* are passing thru your shop?

10 Vehicles /Trailers with @10 shocks coming thru per week	*Bad Shocks Diagnosed*	*Bad Shocks Replaced*	*Average Consumer price per Shock*	*Your Shop's Shock Sales*
100	0	0	$60	$0
100	50	50	$60	$3,000

COMMERCIAL VEHICLE TRUCK & TRAILER MAINTENANCE INSPECTION CHECKLIST BY

Gabriel HD
THE ORIGINAL

Gabriel.com

CHECK YOUR SHOCKS!

STEP 1: Visual Inspection

Bent or dented

Upper or lower mount broken

Upper or lower bushing torn

Broken internally or jammed in collapsed position

Improper installation

Dust tube torn

Truck mount failure

Leaking

Are your shocks MISTING or LEAKING?

Misting shocks generally show a light, even layer of grimy film.

Leaking shocks show streams of fluid down the shock body, most easily seen when the shock is fully extended.

Shows normal wear - perform a heat test to confirm

REMOVE & REPLACE!

STEP 2: The Gabriel® Heat Test

Visual Inspections *AREN'T ENOUGH!*

Above are the visual signs of shock failure but when a shock has failed internally, it is **VISUALLY UNDETECTABLE.** It is a good maintenance practice to perform the Gabriel® Heat Test using the **Gabriel® Shock Absorber Tester.**

Open to see the shock temperature work sheet on the reverse side

SCAN TO WATCH

The Gabriel® Heat Test

Commercial Vehicle Truck & Trailer

MAINTENANCE INSPECTION CHECKLIST

Make/Model:		Date:
Unit #:	Machine Hours:	Operator:

CHECKS:	CONDITION:	COMMENTS:
ENGINE & COMPARTMENT:		
Engine Oil	Level: Leaks:	
Engine Coolant	Level: Leaks:	
Fuel & DEF	Level: Leaks:	
Belts/Hoses		
Cables/Wires		
Battery (Charge, Connections)		
Brake Fluid (if applicable)		
Cooling System Fluid		
Exhaust Leaks		
CAB / EXTERIOR:		
Mirrors – cracked, broken, missing?		
Stop / Tail /Turn /Head Lights, Running / Clearance Lights		
Glass – broken or cracked?		
Windshield Wipers & Fluid		
Cab Shocks	Use Shock Temp Sheet to assess	

Commercial Vehicle Truck & Trailer

MAINTENANCE INSPECTION CHECKLIST (continued)

CHECKS:	CONDITION:	COMMENTS:
SUSPENSION:		
Shock Absorbers	Use Shock Temp Sheet to assess	
Air Springs	PASS / REPLACE SOON / REPLACE NOW	
Bushings & Shackles	PASS / REPLACE SOON / REPLACE NOW	
WHEEL END:		
Wheels – cracks, damage?	PASS / REPLACE SOON / REPLACE NOW	
Tire Wear	Tread Depth: Wear Patterns:	
Brake Shoes / Pads	Heat Gun at Arrival -Brake Balance Friction Depth:	
Brake Drums / Rotors – cracks or heat checked?	PASS / REPLACE SOON / REPLACE NOW	
Brake Components / Slack Adjuster	Stroke:	
Hubs	Heat Gun at Arrival	
Wheel Seal / Hub Cap Leaks		
STEERING:		
Steering Components	PASS / REPLACE SOON / REPLACE NOW	
Alignment	PASS / REPLACE SOON / REPLACE NOW	
Steering Stabilizer	PASS / REPLACE SOON / REPLACE NOW	
CAB / INTERIOR:		
Instruments / Gauges	PASS / REPLACE SOON / REPLACE NOW	
Warning Lights / Alarms	PASS / REPLACE SOON / REPLACE NOW	
Fire Extinguisher - condition	PASS / REPLACE SOON / REPLACE NOW	
Horn	PASS / REPLACE SOON / REPLACE NOW	
Seat & Seat Belt	PASS / REPLACE SOON / REPLACE NOW	

Gabriel HD SHOCK TEST

SHOCK TEMP WORKSHEET

Did you know? Tires, Shocks & Air Springs work together & wear together!

SHOCK TEMP = °F

Steer Axle - Drivers side

	PSI	Wear Patterns?	Damage?
Steer Tire			
Air Spring			

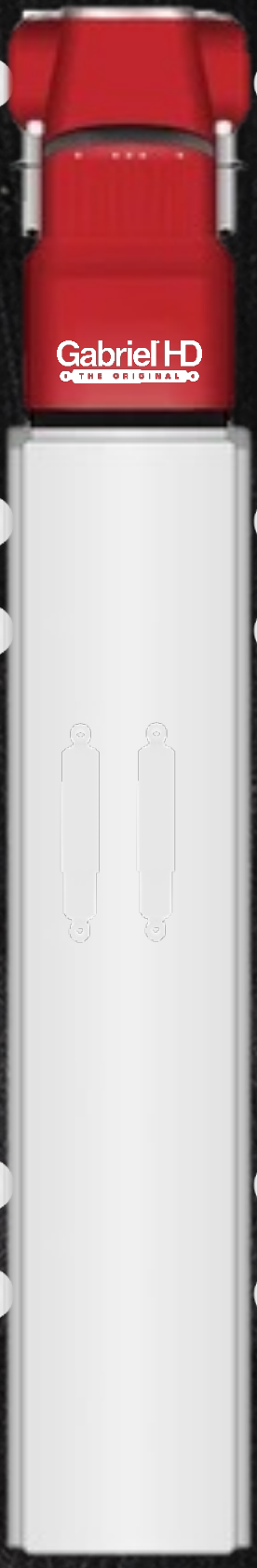
Check tires for Cupping or other wear patterns.

SHOCK TEMP = °F

Steer Axle - Passenger side

	PSI	Wear Patterns?	Damage?
Steer Tire			
Air Spring			

Check air springs for cracks, cuts, nicks or rubs.



SHOCK TEMP = °F

SHOCK TEMP = °F

Drive Axles - Drivers side

	PSI	Wear Patterns?	Damage?
Outside Tire 1 Outside Tire 2			
Inside Tire 1 Inside Tire 2			
Air Spring			

Check air springs for leaks using soapy water to look for bubbles.

SHOCK TEMP = °F

SHOCK TEMP = °F

Drive Axles - Passenger side

	PSI	Wear Patterns?	Damage?
Outside Tire 1 Outside Tire 2			
Inside Tire 1 Inside Tire 2			
Air Spring			

Check tires for Cupping or other wear patterns.

SHOCK TEMP = °F

SHOCK TEMP = °F

Trailer Axles - Drivers side

	PSI	Wear Patterns?	Damage?
Outside Tire 1 Outside Tire 2			
Inside Tire 1 Inside Tire 2			
Air Spring			

SHOCK TEMP = °F

SHOCK TEMP = °F

Trailer Axles - Passenger side

	PSI	Wear Patterns?	Damage?
Outside Tire 1 Outside Tire 2			
Inside Tire 1 Inside Tire 2			
Air Spring			

Courtesy of Gabriel, the Shock Experts

ADDITIONAL USES FOR TEMP GUN DIAGNOSTICS

Quick Tips on more uses for the Gabriel HD Shock Tester

Here are some other ways you can use an infrared thermometer for maintenance inspection diagnostics:

- Engine, transmission, and rear differential temp
- Diagnose cylinder misfires by scanning the exhaust manifold
- Turbocharger housing temp
- Test your HVAC system by measuring temperatures of inlets, outlets, and supply lines, output vents and condenser
- Check Radiator for operation & blockages
- Operation of engine, trans and other coolers
- Detect balance or excessive heat in brake components, wheel end components
- Tires – low pressure tires run hotter than high pressure tires

ADDITIONAL RESOURCES:

CheckYourShocks.com

Gabriel's catalogs

Gabriel's video library

Gabriel's shocks & struts product lineup

ANSWER GARAGE®

GABRIEL'S ONLINE VIDEO-BASED TRAINING & REWARDS PROGRAM

FREE MEMBERSHIP

AnswerGarage.com

TECH TIPS AND SUPPORT • TECHNICAL TRAINING • PREMIUM REWARDS
SHOCKS TRAINING VIDEOS • EXCLUSIVE PROMOTIONAL OPPORTUNITIES

Form # 1240735

Gabriel HD THE ORIGINAL