



## Copperstate 1000 Safety Inspection Check List

**Driver Name:** \_\_\_\_\_

### **Vehicle Information**

Year: \_\_\_\_\_

Make: \_\_\_\_\_

Model: \_\_\_\_\_

### **Shop Information**

Shop Name: \_\_\_\_\_

Address: \_\_\_\_\_

City, State, Zip: \_\_\_\_\_

Phone Number: \_\_\_\_\_

Mechanic Name: \_\_\_\_\_

### **Mechanic Instructions**

Verify all items on the following check list and initial to show compliance.

## Tires

All tires must be less than six years old with minimum tread of 4/32nds

### Right Front

Date Code \_\_\_\_\_  
Tread Depth \_\_\_\_\_  
Sidewall Integrity \_\_\_\_\_  
Tread Integrity \_\_\_\_\_

### Right Rear

Date Code \_\_\_\_\_  
Tread Depth \_\_\_\_\_  
Sidewall Integrity \_\_\_\_\_  
Tread Integrity \_\_\_\_\_

### Left Front

Date Code \_\_\_\_\_  
Tread Depth \_\_\_\_\_  
Sidewall Integrity \_\_\_\_\_  
Tread Integrity \_\_\_\_\_

### Left Rear

Date Code \_\_\_\_\_  
Tread Depth \_\_\_\_\_  
Sidewall Integrity \_\_\_\_\_  
Tread Integrity \_\_\_\_\_

### Spare

Date Code \_\_\_\_\_  
Tread Depth \_\_\_\_\_  
Sidewall Integrity \_\_\_\_\_  
Tread Integrity \_\_\_\_\_

## Wheels

All spokes tight and true \_\_\_\_\_  
Valve stem grommets on tube tires \_\_\_\_\_  
Lugs properly torqued \_\_\_\_\_  
Knock offs tight \_\_\_\_\_

## Front Suspension. Verify for right and left

No play in ball joints \_\_\_\_\_  
No play in king and link pins \_\_\_\_\_  
Tie rod ends tight \_\_\_\_\_  
Shock absorbers: no leaks & functional \_\_\_\_\_  
No play; pitman arm, drag links, idler arms \_\_\_\_\_  
Suspension bolts & nuts properly torqued \_\_\_\_\_  
Cotter pins & other locking devices present \_\_\_\_\_  
Inspect condition of bushings, heim joints & pivot points \_\_\_\_\_  
Inspect condition of springs (leaf, coil, torsion) \_\_\_\_\_  
All components properly lubed \_\_\_\_\_  
No play in wheel bearings \_\_\_\_\_

**Rear Suspension. Verify for right and left**

Shock absorbers; no leaks & functional \_\_\_\_\_  
All suspension bolts & nuts are properly torqued \_\_\_\_\_  
All cotter pins & other locking devices present \_\_\_\_\_  
Inspect condition of bushings, heim joints & pivot points \_\_\_\_\_  
Inspect condition of springs (leaf, coil, torsion) \_\_\_\_\_  
Inspect all spring mounting hardware \_\_\_\_\_  
All components properly lubed \_\_\_\_\_

**Brakes. Verify for all four**

Inspect master cylinder for leaks, tight fittings \_\_\_\_\_  
Fluid level, master cylinder \_\_\_\_\_  
Power booster condition and function \_\_\_\_\_  
Brake fluid clean & clear \_\_\_\_\_  
Inspect calipers / wheel cylinders \_\_\_\_\_  
Adequate lining thickness \_\_\_\_\_  
Linings not contaminated \_\_\_\_\_  
Inspect all brake lines. Fittings tight, no leaks \_\_\_\_\_  
All mounting hardware properly torqued \_\_\_\_\_  
Pedal firm, proper position \_\_\_\_\_  
Wheel bearing seals \_\_\_\_\_  
Adjust and bleed brakes \_\_\_\_\_

**Exhaust components**

No Leaks \_\_\_\_\_  
All bolts tight \_\_\_\_\_  
Hangers in good condition \_\_\_\_\_  
Header and flange gaskets, no leaks \_\_\_\_\_

**Drive components**

Inspect U joints, CV joints, rotax couplings \_\_\_\_\_  
Inspect torque tube \_\_\_\_\_  
Condition of axle boots \_\_\_\_\_

### Cooling system

- Inspect hoses and clamps \_\_\_\_\_
- Main & auxiliary fans function properly \_\_\_\_\_
- Coolant condition \_\_\_\_\_
- Radiator condition \_\_\_\_\_
- Adequate cold weather protection \_\_\_\_\_
- Radiator cap pressure test \_\_\_\_\_
- Overflow tank. No leaks, proper function \_\_\_\_\_
- Inspect freeze plugs & petcocks \_\_\_\_\_
- Inspect water pump for bearing play and seepage \_\_\_\_\_

### Fuel system

- Inspect / change filter (s) \_\_\_\_\_
- Inspect all hoses and clamps \_\_\_\_\_
- Fresh fuel \_\_\_\_\_
- Verify proper fuel pressure \_\_\_\_\_
- Inspect fuel pump (s) \_\_\_\_\_

### Electrical system

- Inspect wiring \_\_\_\_\_
- Brake lights \_\_\_\_\_
- Tail lights \_\_\_\_\_
- Head lights. Hi and low beams \_\_\_\_\_
- Dash lights \_\_\_\_\_
- Emergency flashers \_\_\_\_\_
- Windshield wipers \_\_\_\_\_
- Generator/ alternator; Proper output \_\_\_\_\_
- Battery condition \_\_\_\_\_
- Clean all battery connections \_\_\_\_\_
- Ground cables, engine to chassis \_\_\_\_\_

**Transmission / Clutch**

Inspect master cylinder, slave cylinder \_\_\_\_\_  
Inspect shift linkage \_\_\_\_\_  
Tighten all brackets \_\_\_\_\_  
Inspect transmission mounts \_\_\_\_\_  
Check/change transmission oil & filter \_\_\_\_\_  
Inspect for leaks \_\_\_\_\_

**Engine Compartment**

Inspect all belts, hoses, clamps \_\_\_\_\_  
Inspect motor mounts \_\_\_\_\_  
Check/change engine oil & filter \_\_\_\_\_  
Inspect all hoses \_\_\_\_\_  
Tighten all brackets, inspect for cracks \_\_\_\_\_  
Air filters \_\_\_\_\_

**Road check**

All gauges operable \_\_\_\_\_  
Temperature within range \_\_\_\_\_  
Oil pressure within range \_\_\_\_\_  
Car tracks straight \_\_\_\_\_  
Brakes work correctly \_\_\_\_\_

**Safety equipment**

Fire extinguisher mounted within reach of driver \_\_\_\_\_  
Flares or reflective triangles \_\_\_\_\_

**Spares / Tools**

Belts \_\_\_\_\_  
Hoses \_\_\_\_\_  
Water pump \_\_\_\_\_  
Fuel pump (s) \_\_\_\_\_  
Fuel filter \_\_\_\_\_  
Knock off hammer / Lug wrench \_\_\_\_\_  
Vehicle specific special tools \_\_\_\_\_



**Signature of Mechanic**

This signature verifies that all items on this list have been checked and repaired as needed.

\_\_\_\_\_

Printed Name: \_\_\_\_\_

**Signature of Driver**

This signature verifies that this car has been road tested for a minimum of 200 miles within in the past three months.

\_\_\_\_\_

Printed Name: \_\_\_\_\_

Copperstate 1000 needs to receive this entire safety check list no later than March 15.

Please send one of the following ways:

- 1) Scan and email to [Kelly.Whitton@phxart.org](mailto:Kelly.Whitton@phxart.org) .
- 2) Fax to Kelly Whitton at (602) 253-8662.