



Rally Safety Check List

This list is provided as an example to prompt you to check out your car before heading off on a multi day road rally. Better to find an issue on the lift than on the side of the road.

The most important component of rally preparedness is to actually drive your car. We recommend 200 miles within the month prior to a rally. This will bring to light any issues before you ship your car to some far off destination. This is much better than discovering issues that might hamper your enjoyment of your driving experience

Tires

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

Right Front

Tread Depth _____
Sidewall Integrity _____
Tread Integrity _____

Right Rear

Tread Depth _____
Sidewall Integrity _____
Tread Integrity _____

Left Front

Tread Depth _____
Sidewall Integrity _____
Tread Integrity _____

Left Rear

Tread Depth _____
Sidewall Integrity _____
Tread Integrity _____

Spare

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 _____
Mobile phone _____
Sense of humor _____