

Last Great Road Trip



Pre-trip Vehicle Inspection Checklist

Allow engine to cool in order to check all systems cold. Record fluid levels, torque settings, dents, cracks and setting. Record anything that may require rechecking during the daily inspection.

- ✓ **Axles & Differentials** – bolts, boots, clips, u-joints, grease points
- ✓ **Battery** - clean terminals, check for damaged, corroded wiring
- ✓ **Brakes** - drums, rotors, pads/shoes, fluid, hoses, leaks, check parking brake, brake lights
- ✓ **Belts & Hoses** - look for cracks or bulges,
- ✓ **Body/Frame** - look for cracks and rust
- ✓ **Cooling/Heating system** - look for leaks, fluid levels, clean and repair fins, check hoses and clamps, thermostat, radiator cap
- ✓ **Communications** – CB / ham radio, antenna broadcast and receive
- ✓ **Differential Lockers** – engage, disengage, check compressor and lines for leaks.
- ✓ **Driveline/Transmission** - inspect case and shifter, leaks, fluids, universal & CV joints, skid plates
- ✓ **Engine** - carburetor, fuel injectors, spark plugs, wires, PVC valve, pumps, distributor & wire, check for leaks and cracks, air filter (clean or replace)
- ✓ **Exhaust** - muffler, tailpipes (rust or holes or hanging)
- ✓ **Fluids** - oil, transmission, brake, radiator coolant, gear oils, wipers, power steering (check levels and color)
- ✓ **Lights** - headlights, brake lights, auxiliary lights; make sure they're aimed properly, turn signals
- ✓ **Steering** - check alignment, fluid level, belts and hoses, pump and reservoir for leaks
- ✓ **Suspension** – coil overs, springs, shocks, alignment, wheel bearings, steering linkage, control arms, pan bars
- ✓ **Tires** - tighten (torque) lug nuts, air pressure, tread wear (including your full-size spare), look for cuts and missing chunks, beadlock bolts
- ✓ **Winch** – free spool rope and inspect, rewind onto drum, loose connections, frayed wires
- ✓ **Wipers** - check for wear, fluid level

Tools and Equipment Checklist

Items to be brought on the adventure. These items will be used for regular maintenance and daily inspections as well as field repairs or vehicle recovery if required.

- ✓ Air filter
- ✓ Air pump/compressor
- ✓ Axe
- ✓ Brake bleed tube and bottle
- ✓ Box cutter and replacement blades
- ✓ Box wrench full set

- ✓ Bucket (fill with other items)
- ✓ Bungee cords
- ✓ Cigarette lighter
- ✓ Coat hanger (wire)
- ✓ Coveralls
- ✓ Crescent wrench (big and small)
- ✓ Duct tape
- ✓ Electrical tape
- ✓ Electrical tester
- ✓ Electrical wire 14 gauge, 25'
- ✓ Fire extinguisher
- ✓ Flashlight/headlamp/spotlight - with extra batteries
- ✓ Fluids - brake, coolant, gear oil, motor oil, steering, transmission, wiper
- ✓ Fuel - enough for a return trip to previous fuel stop in an appropriate container(s)
- ✓ Funnel with extension
- ✓ Fuses (full set)
- ✓ Gasket in a tube (RTV)
- ✓ Gloves (leather work and nitrile surgical)
- ✓ Grease (all purpose)
- ✓ Hydraulic and hi-lift jack
- ✓ Jumper cables
- ✓ Loctite for nuts that wont stay tight on the trail
- ✓ Nuts and bolts in misc. sizes based on vehicle
- ✓ Machete
- ✓ Mallet 5lb
- ✓ Multi-fit hose and a roll of rubber-weld tape - to repair a blown radiator hose
- ✓ Pipe / tubing 3' section
- ✓ Pliers (needle nose and standard)
- ✓ Pry bar (small and medium)
- ✓ Radiator Stop Leak / Tank sealant putty
- ✓ Ratchet straps 15' (2)
- ✓ Repair manual for your particular vehicle
- ✓ Road flares
- ✓ Screwdriver set phillips and flathead
- ✓ Shop rags
- ✓ Shovel
- ✓ Socket full set - carry additional special sizes (axle nut, wheel lugs, spark plug, based on vehicle)
- ✓ Tarp (6'x6') - to keep yourself out of the mud and to catch small parts
- ✓ Tire deflators
- ✓ Tire pressure gauge
- ✓ Tire repair kit – patches, plugs valve stems and tools
- ✓ Torque wrench
- ✓ Trash bags - heavy duty
- ✓ Waterless hand cleaner
- ✓ WD-40
- ✓ Recovery kit – tow strap, tree strap, snatch block (2), extension rope 50', shackles (3)
- ✓ Zip ties/cable ties

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Camping and Cooking Equipment Checklist

- ✓ Aluminum foil
- ✓ Bow saw – collapsible
- ✓ Biodegradable soap
- ✓ Bungee cords – 12 in various sizes
- ✓ Can & bottle opener
- ✓ Chair(s) – collapsible
- ✓ Cook stove – with extra fuel
- ✓ Cooking oil
- ✓ Cooking pots
- ✓ Cooler
- ✓ Cot or sleeping pad
- ✓ Cup – hot/cold
- ✓ Flashlight/headlamp - with extra batteries
- ✓ Folding knife – 4"-6" blade
- ✓ Food box – animal proof
- ✓ Hatchet
- ✓ Lantern – with extra fuel
- ✓ Matches / lighter - water proof
- ✓ Parachute cord - 100'
- ✓ Plate and bowl
- ✓ Scouring pad
- ✓ Sewing kit – small travel size
- ✓ Spice rack
- ✓ Stuff sack (2)
- ✓ Table – collapsible
- ✓ Tarp (2) – for ground cover, canopy, emergency shelter
- ✓ Tent or sleeping shelter
- ✓ Tent stakes
- ✓ Trash bag roll - 10 gal size
- ✓ Utensils – fork, spoon, spork, spatula, chopsticks
- ✓ Water bottle (2)
- ✓ Water purifier
- ✓ Wool blankets (2)
- ✓ Ziplock bags – Big Freezer bag size

Personal Items

- ✓ Bandana
- ✓ Bath towel
- ✓ Camera – extra batteries and film or memory
- ✓ Camp shoes (moccasins or closed toe sandals)
- ✓ Cargo shorts
- ✓ Cash – local currency
- ✓ Extra cloths – weather appropriate
- ✓ Extra glasses or contacts with cleaner
- ✓ Hat – wool/synthetic fiber hat & baseball cap
- ✓ Headlamp (2) – extra batteries
- ✓ Hiking boots
- ✓ ID – driver's license and passport
- ✓ Individual's First Aid Kit
 - 3x3 sterile gauze pads (4-6)
 - Adhesive tape

- Advil / Tylenol – pain reliever
- Antihistamine
- Bandaid(s) large and medium sized
- Chapstick
- Electrolytes packets such as Energies.
- Insect repellent
- Insect sting relief
- Lip balm
- Moistened towelettes
- Mole Skin blister cushions
- Pepto-Bismol tablets – take one a day as a preventive measure
- Personal prescription medications
- Sun block
- Tweezers
- ✓ iPod or MP3 player – extra batteries or charger
- ✓ Pants
- ✓ Pen and notepad
- ✓ Pillow
- ✓ Pocket knife
- ✓ Polar fleece pull over
- ✓ Rain and wind gear – breathable
- ✓ Shirt – long-sleeve & short-sleeve (Wool or synthetic fiber)
- ✓ Sleeping bag
- ✓ Stuff sack
- ✓ Sunglasses
- ✓ Swimsuit
- ✓ Toiletries
 - Deodorant
 - Extra glasses or contacts with cleaner
 - Mouthwash
 - Razor
 - Soap – biodegradable
 - Toilet paper
 - Toothbrush
 - Toothpaste
 - Vitamins
 - Wash towel
 - Wet Wipes
- ✓ Underwear
- ✓ Water bottle (2 or more)
- ✓ Whistle
- ✓ Wool / synthetic socks
- ✓ Work gloves

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Group First Aid Kit

First aid implies medical support is coming soon. On an off-road adventure medical support may not be available. Short of having a hospital at hand you will likely not have everything needed for a life threatening emergency situation. This kit recommendation is for general non-life threatening situations and is by no means complete.

Two levels of first aid kits should be carried on every adventure. A group kit containing the majority of general first aid items. A person first aid kit should be carried by each individual containing items specific to that person's needs such as prescription medications.

Note: See personal items checklist for individual first aid kits to be carried by every person on the adventure.

Print off and carry copies in group first aid kit:

Pocket Guide Wilderness Remote First Aid, American Red Cross : <http://www.lastgreatroadtrip.com/wp-content/uploads/2014/05/red-cross-wilderness-and-remote-first-aid-pocket-guide.pdf>

First Aid/CPR/AED, American Red Cross:
<http://www.lastgreatroadtrip.com/wp-content/uploads/2014/05/CPR-AED-First-Aid-Participants-Manual.pdf>

The Red Cross and many county government agencies produce a first aid kit list. The following is our list for group level first aid kit. (it is by no means complete)

- ✓ First aid field guide
- ✓ 2-inch sterile gauze pads (4-6)
- ✓ 2-inch sterile roller bandages (3 rolls)
- ✓ 3-inch sterile roller bandages (3 rolls)
- ✓ 4-inch sterile gauze pads (4-6)
- ✓ Adhesive tape
- ✓ Antibiotic ointments
- ✓ Alcohol / hydrogen peroxide
- ✓ Antiseptic cream
- ✓ Assorted sizes of safety pins
- ✓ Blood clotter
- ✓ Burn cream
- ✓ Butterfly wound closures
- ✓ Cleansing agent/soap
- ✓ Cold packs
- ✓ Eye wash
- ✓ Flexible splint (SAM)
- ✓ Forceps
- ✓ Hot packs
- ✓ Hypoallergenic adhesive tape
- ✓ Latex gloves (2 pair) Sunscreen
- ✓ Moistened towelettes
- ✓ Mole Skin blister cushions
- ✓ Needle
- ✓ Nitrile gloves
- ✓ Scalpels / Scissors
- ✓ Sterile adhesive bandages in assorted sizes
- ✓ Thermometer
- ✓ Tongue blades (2)
- ✓ Triangular bandages (3)
- ✓ Tube of petroleum jelly or other lubricant
- ✓ Tweezers
- ✓ Non-prescription medication
 - Activated charcoal (use if advised by the PoisonControlCenter)
 - Antacid (for stomach upset)
 - Anti-diarrhea medication
 - Aspirin
 - Non-aspirin pain reliever
 - Laxative
 - Syrup of Ipecac (use to induce vomiting if advised by the PoisonControlCenter)