

Overland Expedition Vehicle Pack List

Table of Contents

1.	Introduction	2
2.	Documents	2
3.	Kitchen	3
4.	General Household	4
5.	Office Supplies	5
6.	Dinette	5
7.	Bathroom	6
8.	Closet	7
9.	Bedroom	7
10.	Cleaners, Etc.	8
11.	Health and Beauty	8
11.1.	For Women	9
12.	Medications / First-Aid	9
12.1.	OTC Medications	9
12.2.	Prescription Medications	9
12.3.	First-Aid	10
13.	Miscellaneous	10
14.	Clothing	11
15.	Footwear	11
16.	Communications	12
17.	GPS	12
18.	Maps	12
19.	Guidebooks	12
20.	Language	13
21.	Data	13
22.	Software	13
23.	Photography	14
24.	Video	14
25.	Laptop	15
26.	Optics	15
27.	Entertainment	16
28.	Education	16
29.	Tools	16
30.	Repair and Maintenance	18
31.	Spare Parts	19
31.1.	Propane System Spare Parts	19

Version 1.0

Version History

V 1.0.....Initial release

1. Introduction

This pack list is based on unsupported global travel in developing countries.

Developed countries have most of the resources available in the U.S.A. and Europe, so fewer of the spare parts on this list are required.

This pack list is based on full time overland travel for one year (six months in the U.S.A., five months in South America, one month for shipping).

This mode of travel is fully independent, meaning all sleeping, cooking, showering, repairs, etc. are performed in/on the vehicle.

Everyone's experiences, requirements, vehicle, destinations, etc. are unique, so no one list could ever be universally applicable. Your unique needs will determine your own list. This list is intended as a starting point for your planning and testing purposes.

2. Documents

- Vehicle Papers-Title/Registration/Insurance (original and 10 color copies)
- Carnet Documents (original and 10 color copies)
- Plane Ticket(s) (if flying)
- Itinerary
- Passport (original and 10 color copies of the photo page)(Make a copy of the visa stamp page once you get into the country)
- Visa(s) - if necessary (original and 2 color copies)
- Blank checks
- Driver's License (original and 10 color copies)
- International driver's license (original and 10 color copies)
- AAA Card (and/or other travel discount IDs)
- Medical/EVAC Insurance Card (original and 10 color copies)
- Copy of Medical History: Allergies, Medications, Conditions, Etc.
- Identification card, laminated (RoadID makes great bands for shoes, wrists, etc.)
- Additional Insurance Documents (policies for travel, vehicle, homeowner's, etc.)
- Inoculation Record (original and 10 color copies)
- Medication Prescriptions
- Eyeglass Prescriptions
- Luggage Tags (at least two extras)
- Credit Card numbers and lost/stolen card reporting phone numbers
- Important Contacts Information (Names/Addresses/Phones/Email/Etc.)
- Emergency Procedures Info & Emergency Contacts
- Post card mailing labels (name and address of recipient, makes sending post cards quick and easy)
- Return Address Labels
- Business Cards (avoid ink jet, need to be water resistant/waterproof)
- Journal/Notebook (Moleskin brand is excellent)

3. Kitchen

- Bins for Storage (plastic for weight and ease of cleaning)
- Shelf/Cupboard Risers (metal and strong, with rubber foot protectors)
- Rubberized Shelf Liner (bring an extra roll with you for replacement and repair needs)
- Bread Bag or Net (keeps bread fresher longer and can be hung out of the way)
- Wine Bag/Carrier (can be used when buying wine for transporting to the rig, and for storing it under the dinette)
- Mesh/Wire Basket (smooth bottom so it does not scratch counters; keeps produce not stored in the refrigerator fresher, longer)
- Baby-Proofing Cupboard Latches (we use these for securing cupboard doors when driving; could work for drawers too)
- Silverware Caddy (I prefer having the silverware standing in a caddy than taking up valuable drawer space; ours is bamboo which is lightweight)
- Under-Cabinet Lighting (plenty of lighting above the main counter area; we also installed battery-operated touch-lights under cabinets, inside cabinets, under the dinette, etc.)
- Paper Towel Holder (installed under cabinet above main counter area)
- Towel Bar/Ring (for dish towels)
- Wine Opener (we love our ScrewPull wine opener – very quick, easy and durable, worth the weight)
- Can Opener (two)
- Bottle Opener (2; magnetic, if possible)
- Vegetable peelers (at least 2)
- Refrigerator Thermometer (I have one that hangs on the shelf and I can easily see if there is an issue with the temperature)
- Ice Cube Trays (bring extra sets in case the first set cracks or gets contaminated by bad water)
- Ice Cube Bucket
- Blue Ice Packs (I have several, all stored in the freezer; they come in handy when going shopping a distance away from the rig, and are great for injuries)
- Shopping Bags (Trader Joe's plastic handled totes are awesome and work well for shopping, carrying things to and from the rig when staying outside the rig, or in the event of repairs, etc.)
- Kitchen Utensil Holder (ours is made of bamboo and stands next to the sink; it is stored in the sink when we drive)
- Spatulas (one large, one small)
- Tongs (we like the restaurant kitchen style, lightweight metal with the loop that slides up and down the handle to open and close them)
- Spoons (I have both silicon and wooden spoons of varying sizes and style; I also have one silicon ladle)
- Plastic Containers (with snap-tight lids, like Tupperware or Ziploc reusable containers; shallow containers work well in the refrigerator)
- Good Knives (we have a set of Henkel's; don't scrimp here, you will never regret the investment in good knives)
- Knife Safes (keeps the edges safe from damage and keeps the knives from damaging cupboards, drawers, etc.; we keep the knives in the Knife Safes together in a plastic bin that slides out from under a shelf riser in an upper cupboard, handy for quick access while cooking)
- Cutting Boards (we have one large one and one small, bar-sized board; and, I have thin cutting mats for use with meat and fish)
- Good Pots & Pans (We have a set of Calphalon pans. They cook very evenly and are so easy to clean! I brought a variety of different sizes and three lids which work on more

Overland Expedition Vehicle Pack List

- than one pot or pan. Reinforce the drawer you store them in. Like good knives, they are worth the weight.)
- Silicone Trivets and Pot Holders (they are lightweight, can be washed off easily and weigh nothing)
 - Plastic Pot Strainer (crescent shaped with a handle and a lip for grabbing onto the pot edge)
 - Splatter Screen (this looks like a pot/pan lid, but is made from screen; I prefer the style with the handle in the center, like a lid on a pot, rather than the off the side, pan handle style)
 - Collapsible Colander (we have two styles: one is silicone and has a handle off one side; the other is flat and folds open like a collapsible dish drainer)
 - Collapsible Measuring Cups (they take up less space and are silicone so clean-up is easy)
 - Electric Tea Pot (Low wattage. It is great for making tea, and coffee. Also great for boiling water for making pasta, etc. very quickly. Reduces propane use. Test this before you leave to ensure your inverter can handle the load.)
 - Tea Kettle (for the stovetop, just in case the electric kettle is not working or we have limited electricity)
 - French Press (good coffee is not readily available everywhere)
 - Toaster (low wattage, test to ensure your inverter can handle the load)
 - Crumb Tray (our is actually a bamboo serving tray, but works well for sliding the toaster around, and for catching crumbs)
 - Stovetop Toaster (flat panel with a handle, widely available in developing countries)

4. General Household

- Dyson Hand Vac-Animal or Root 6
- Fly Swatters (at least 4: one for dinette, one for truck cab, one for outside and one for bedroom)
- Dust Broom & Pan (we have two, one for use inside and another for use outside)
- Entry/Hall Rug (this can be a short one for just inside the door, or a longer one that runs the length of the whole hallway; we have a spare so one can be washed while the other is being used)
- Floor Mats (we use these on top of the above rug when we are in bad weather - great for keeping mud and/or wet grass off the rug and floor!)
- Shoe Bucket (this is a high-sided, plastic bucket, that sits just inside the door, where we can stash shoes, flip-flops, bug spray, etc.; I would have preferred a permanent shoe shelf or cupboard, but we had no room for such and this has worked well)
- Shoe Bags (these are made of nylon, plastic or lightweight cloth and are great for storing shoes when not being used; I have 6 or more of these)

5. Office Supplies

- Small Plastic Caddy (with handle for moving around)
- Zippered Pencil Cases (I have two: one holds pens, pencils, Sharpie Markers and highlighters, etc.; the other holds scissors, small stapler and staples, tape, paper clips, rubber bands - these sit in the above caddy)
- Pencil Boxes (these are tall and open at one end, and snap shut; I keep extra batteries [all sizes] in them for easy access and these are stowed in a small cabinet under the dinette seat)
- All-in-one scanner, printer, fax machine. Include this if you have the space available. If you cannot fit the printer, at a minimum, bring a compact scanner.
- Pens
- Pencils
- Highlighters
- Scissors
- Tape
- Stapler & Staples
- Rubber Bands
- Paper Clips
- Envelopes: #10 & shipping
- Writing Pads & Post-It Notes
- Printer Paper
- Label Stock (address, etc.)
- Printer Cartridges
- Batteries (all sizes, rechargeable and alkaline)
- Photo Paper (4x6)
- Pencil Bags (for storage)
- Accordion Files (for paperwork storage)
- Sheet Protectors (for papers)

6. Dinette

- 120VAC Power Strip, surge protected
- 12VDC distribution
- External GPS antenna connection
- External satellite phone antenna connection
- LAN connection
- Inmarsat BGAN connection
- Position tracking system connection
- Cushions (for adjusting one's height to the table, or for extra cushion on days when sitting for a while!)
- Reading lights, halogen, high output

7. Bathroom

- Bins for Storage (plastic for weight and easy cleaning)
- Shelf/Cupboard Risers (metal and strong, with rubber foot protectors)
- Rubberized Shelf Liner (bring an extra roll with you for replacement and repair needs)
- Storage Trays (these slide above the riser in the narrow spaces and are perfect for storing extra tubes of sunscreen)
- Counter Caddy (this is a plastic, handled caddy in which we store tubes of things, like sunscreen, that are used daily)
- Shower Caddy (if you are bringing along bottled products, like shampoo, conditioner, etc.) OR
- Shower Product Dispenser (like the kind hotels have in showers)
- Shower Squeegee (helps keep the shower clean and keeps moisture from building up)
- Bath Mats (I have two so one can be washed while the other is in use)
- Bath Towels (we like the REI pack towels as they dry quickly and have a loop for easy hanging; we have the largest ones and have extras so we can have some being washed and still have towels to use)
- Hand Towels (we have 4)
- Washcloths (Believe it or not, these can be hard to find outside the US! I have a small bin with 20 or so in it.)
- Electric Toothbrush (we use an Oral-B and brought along a lot of extra brush heads; the brush can be left unplugged for a week and still work well)
- Clothesline (Doug installed a stainless steel wire that runs across the ceiling of the shower stall, and back again; this enables us to hang wet clothing out of the way, and works well for a place to keep our washcloths after use)
- Fan (essential in the bathroom!; our is in the ceiling)
- Holding Tank Powder (we use a powder by 5 Star Happy Camper and it works very well!)
- Toilet Paper Holder (we use a mesh net)
- Hand Towel Ring (we have one next to the sink which makes it very handy for drying hands after washing them)
- Towel Bars or Hooks (we have hooks on the back of the bathroom door, but I would suggest a bar as well, perhaps on the wall behind the toilet)
- Toilet Paper Holder (we have ours in the cabinet under the sink; keeps the toilet paper cleaner and it doesn't unroll when we are on rough roads!)
- Universal Drain Covers (I have two; one for use when doing laundry outside the camper, as in a campground restroom; and, one for placement over the shower drain in the camper as water sometime splashes up from the trap when driving on rough roads)

8. Closet

You'll need to decide whether it makes more sense to have everything hanging up, or on shelves or in drawers, or in some combination of one or more of these options; we have some hanging space for nicer clothes, and the rest of our clothes are lightweight plastic drawer units; weight can be a factor so it's important to think about this BEFORE designing the closet.

- Rubberized Shelf Liner (bring an extra roll with you for replacement and repair needs)
- Shoe Bag (I bought one from Lillian Vernon that zips shut and has room for 6 pairs of dress shoes)
- Door Latches (we use them to secure the doors so they don't fly open should the drawers slide out on rough roads)
- Small Bars of Soap (like hotel soaps; we use these in shoes when they are not being worn as it keeps them smelling fresher)
- Lighting (we used small battery powered LED lights)

9. Bedroom

- Collapsible Storage Bins (we have cloth ones that are lidded and that sit on the sides of the bed; we use these for extra clothing, books, etc.; they can be collapsed and stored when not in use)
- Extra Blankets (we have two that are super soft; one is a single size and easy to use at the dinette, and one is large, for when we are hanging out together)
- Extra Sheets (we have two full sets so one can be washed as one is being used; one is super soft cotton and one is flannel, for colder weather)
- Body Pillows (we have two of these, with covers on them, for use behind our heads when reading in beds or for lying across the bed and against the wooden sides)
- Reading Lights (above each of our pillows and they work well for reading or detail work [like crocheting, etc.]
- Fans (awesome FantasticFan above the center of the bed; Doug also installed two Hella fans [like ones used on boats] in each corner of the head of the bed - all have been used A LOT!)
- "Nightstand" Baskets/Trays (we have a small, flat area on each side of the bed that is meant to serve as a nightstand; I put a snap-together leather tray and small basket on each of these to hold our stuff)
- Hamper (I found a snap-lidded tall trash can, in beige, that fits perfectly on the riser on the left of our bed, and I put a large laundry duffel inside to make accessing the laundry easy; it is tucked next to the closet so it's out of site; it holds approximately 3 weeks worth of laundry and has yet to move at all even when we are driving on very rough roads)

10. Cleaners, Etc.

- Febreze (we brought along several aerosol cans for use when cooking or other odors permeate the space; and we have two small spray bottles of the liquid for use on clothing [for times when we end up in smoky environments, sit by a fire, etc.])
- Dawn Dish Soap (Although I was not crazy about buying apple-scented soap, it was all I could find in a small bottle; as it turns out, I love it because it removes even onion and fish smells from one's hands!)
- Method Anti-bacterial Hand Soap (I found this at Target and bought a clear dispenser for the kitchen and bathroom; I brought a large bottle of another brand to refill the dispensers as needed)
- Windex Wipes (OK, I'll admit it - I LOVE WINDEX! So, I brought along 20 packs of the wipes-we use them in the cab, for the windows, for wiping down dust, for cleaning mirrors, etc.)
- Lysol Wipes (I use these in the bathroom for everything, and in the kitchen after cutting meat and fish, and stocked up just as with the Windex Wipes)
- ScotchBrite Sponges (for the kitchen and cleaning)
- Scrubbing Bubbles Spray (for the shower, sink and toilet)
- OXO Kitchen Sponge (this is a long-handled wand which can be filled with dish soap; the sponge heads are replaceable and I brought along 20 or so and one extra handle)
- Veggie Brush (This has gotten a lot of use as produce is not washed well, if at all, outside the US)
- Nail Brush (This has also been used a lot, especially by Doug after working on the rig)

11. Health and Beauty

- Shampoo
- Conditioner
- Body Soap
- Face Soap
- Deodorant
- Body Lotion/Moisturizer
- Face Moisturizer
- Eye Cream
- Sunscreen
- Aloe Vera Gel (best home treatment for burns)
- Lip Balm
- Bug Repellant
- Toothbrush(es)
- Toothpaste
- Q-Tips
- Pack Towel
- Washcloth(s) (many other countries don't have them!)
- Razor(s) (if not disposable, extra blades)
- Baby Wipes
- Travel Tissues
- Small Fold-up Mirror
- Hair Brush and/or Comb
- Hair Products (Gel, Mousse, Leave-In Conditioner, Etc.)
- Dual-Voltage Blow Dryer (test with your inverter to ensure operation)(120/220 VAC)

11.1. For Women

- Mascara
- Foundation/Powder
- Lip Pencil/Lipstick
- Eye Pencil
- Eye Shadow
- Pencil Sharpener
- Make-up Remover (cloths are best for travel)
- Face Wash (and Astringent if used)
- Face Cream/Moisturizer
- Eye Cream
- "Zit Zap!"
- Curling Iron or Curlers or Flat Iron
- Hair Accessories (barrettes, ties, headbands, elastics, etc.)
- Hair Color Touch-Up Kit (don't forget disposable gloves & and a cape!)

12. Medications / First-Aid

12.1. OTC Medications

- Digestive Issues: Immodium AD, Pepto Bismol
- Antacids: Titalac, Tums/Roloids, Etc.
- Laxative/Stool Softener: PeriColace, ExLax, Etc.
- Pain Reliever: Aleve, Advil, Motrin, Tylenol, Aspirin, Etc.
- Cold: DayQuil, NyQuil, Tylenol Cold/Sinus, Sudafed, Etc.
- Halls Vitamin C Drops & Cough Drops
- Flu: TheraFlu, Airborne, Oscillococcinum, Etc.
- Vitamins: Vit C, Vit B, Lysine (for sore throats & cold sores)
- Emergen-C Packs (work great at onsite of feeling run down!)
- Motion Sickness: Bonine, Dramamine, Sea Bands
- Dental: Tooth Repair Kit, Extra Strength Ora-Jel
- Sore Muscles: Icy Hot Stick/Plasters, Tiger Balm, Ben-Gay, Etc.
- Anti-itch: Benadryl, Cortaid, Etc.
- Female Issues: Monistat, Etc. (just in case!)

12.2. Prescription Medications

- Cipro, Erythromycin/Z-Pac (or other broad spectrum antibiotic)
- Lomotil
- Pain Reliever: Vicodin, Darvocet, Etc.
- Epi-Pen (double dose)
- Antibiotic Ointment: Bactroban, Etc.
- Female Issues: Diflucan, Etc. (just in case, essential w/antibiotic treatment!)
- Anti-Malarial: Malarone, Etc. (test the available anti-malarial drugs before departure to determine which is best for you, all have side effects)

12.3. First-Aid

Minimum first aid kits include:

- Basic kit for cab
- Survival kit for ditch bag
- Backpacker kit for trekking pack
- Long term expedition/ cruising (marine) kit for vehicle accessible from the exterior of the vehicle

13. Miscellaneous

- Slippers (When Doug bought our North Face down slippers, I thought he was nuts-they were \$50 and I had no idea where we would stow them. Well, he wins the award for best purchase with these as they are very warm and are worn every morning by both of us!)
- Shower/Beach Thongs (these are essential when taking showers in campground bathrooms, which is sometimes necessary)
- Extras of Every Product! (I stocked up on everything from face soap to hair color, from razor refills to cold medicine, from baby wipes to Ziploc bags - I advise keeping a list of all the products you use every day, or at least every week, and make sure you bring along enough for the time you'll be gone; some products are available outside the US, but they might not be, or could be very expensive or not the same formula!)
- Bump Guards (these are the small rubber feet that adhere to the inside edge of a cupboard door or drawer that keep the door or drawer from rubbing on the wood around it; heat will eventually loosen the adhesive and these need to be replaced from time to time)
- Adhesive-Backed Velcro (this comes in so handy for so many things!)
- Weather Stripping (we had to do some additional sealing of our screen door and the compartment below the camper door; it's not that easy to find good quality stuff outside the US so I would bring some quality stuff along)
- Lots of extra batteries! (we have a charger and have rechargeable batteries in every size, but we also have non-rechargeable AA and AAA batteries; I would also recommend checking all devices to see if you need any other battery sizes/styles, such as watch or calculator batteries)
- Packing Tape (this has come in handy more than once!)
- Fly swatter(s)
- Weather system with exterior temperature monitoring and low temperature (freezing) alarm.
- Flashlights. High output, compact and pocket size. Minimum quantity includes one on each side of the sleeping area, one at camper exit, one in cab, one in each photo bag/pack, one in ditch bag.
- Headlights. Minimum quantity includes one in tool bag, one in ditch bag and one in camper area.
- Fire extinguishers. Minimum quantity includes one in sleeping area, one at camper exit, one in cab and one high capacity bottle accessible from outside the vehicle.
- Whistles. Minimum quantity includes one for cab and one for ditch bag.
- Pac-Safe(s) for camera bags, packs, etc. (wire mesh anti-theft security wraps for bags/packs)

14. Clothing

Clothing will be very individual and unique depending on the type of trip, destination, weather, etc. The following is intended as a starting point.

- Three pairs quick dry pants (the type that unzip to create shorts are the most flexible)(zippered security pocket is a good feature)
- Three quick dry long sleeve shirts (zippered, inner security pocket is a good feature)
- Eight quick dry tshirts/tops/blouses
- 10 to 14 pairs of underwear
- Four to six pairs of socks, minimum two pairs good hiking socks
- One pair of jeans
- Two long sleeve shirts, wicking fabric
- Comfortable sleeping clothes
- Comfortable relaxing, "hang out" clothes, e.g. workout shorts, sweatpants, sweatshirt, etc.
- One set of decent "dress up" clothes
- Nice sweater
- Fleece jacket
- Gore-tex shell, lightweight
- Gore-tex slip-on pants, lightweight
- Gore-tex jacket with hood, heavy weather
- Gore-tex pants, heavy weather
- Windstopper gloves
- Fleece gloves
- Stocking cap
- Ear wrap or ear muffs
- Belts, scarves and accessories as required (women should bring a large scarf to Muslim countries for use as a hair cover)
- Bathing suit
- Pool/beach Cover-up
- Soft full brim hat
- Sport specific clothing

15. Footwear

- Water shoes
- Flip flops / shower shoes
- Down tent slippers
- "Dress up" shoes
- Casual town shoes
- Hiking boots
- Mud boots (slip on chore boots/Wellies)
- Sport specific footwear, e.g. riding boots, climbing shoes, etc.

16. Communications

- GSM (unlocked) cellular phone. At least one spare battery. Buy local market SIM cards for best local phone rates.
- Iridium Satellite phone. At least one spare battery. External antenna kit(s). Power supply/charger. Data kit. Interface cables. Provides voice and limited data communications worldwide. Requires a clear view of the sky for operation. Costs range from \$1 to 1.50 USD per minute.
- Inmarsat BGAN system. Provides 200-400kbs internet data access. Costs ~ \$6 USD per megabyte.
- Position tracking system. GPS / Satellite based system that reports your track and current location. Enables remote monitoring of your position and status.
- Short wave radio, battery powered
- Directory of short wave stations, frequencies and schedules
- Handheld radios
- Battery chargers for all phones/radios/systems

17. GPS

- Vehicle cab mounted, large display, color GPS. Provides vehicle routing and location information.
- Handheld, AA battery powered, waterproof/weatherproof GPS. Provides mobile routing and location information.
- Two spare batteries for any GPS using a proprietary (non-AAA, AA, etc.) battery
- PC/Mac GPS software.
- Interface cables for GPS to PC/Mac and GPS to external antennas
- Power supply/charger for each GPS model/type
- World and local destination GPS maps.
- Unlock codes for GPS maps. (required to restore maps in case of computer system problems)

18. Maps

- Continent, region and country paper maps, waterproof/weatherproof if possible
- Detailed local hiking/trekking maps, waterproof/weatherproof if possible
- Magnifying glass, large and small portable
- Highlighters suitable for use on map material (test this before departure)
- Handheld, compact, pocket compass (ensure correct hemisphere), minimum quantity includes one in each camera bag and one in each trekking bag
- Handheld orienteering compass (ensure correct hemisphere), minimum quantity includes one in cab and one in ditch bag

19. Guidebooks

- Continent, region and country guide books. Bring more than one for your destination as each has strengths, weaknesses and biases.
- Bird, animal, flora and geology guides for destination areas
- Special interest guides (foods, sports, scientific, hobby, etc.)

20. Language

- Compact dictionary/phrase book (small enough for pocket or purse). Minimum quantity includes one for each camera bag, one for each trekking bag, one for ditch bag.
- Complete native/local dictionary (your native language to the local language). One for the cab and one for the camper area.
- Phrase book
- Shortcut guides (laminated, fold-out pages with key phrases). One for the cab and one for the ditch bag.
- Specialty guides (special references for technical subjects, e.g. Spanish for Cruisers)
- Training courses (CD, books, flash cards, etc.)

21. Data

- Thumb/Pocket drives (compact USB drives that plug directly into a USB port). Minimum quantity includes one for the camper area and one for the ditch bag. Load the ditch bag thumb drive with your critical contact information.
- Backup drive (RAID 5 if possible, multiple non-RAID drives if not)
- Incremental off-site drives (drives to fill with data and send back home, incremental backups of your data)
- Video edit drive(s). High RPM (=> 7,200), high capacity (=> 1TB), high interface speed (=> ESATA).
- Reference/resource drives (drives containing reference or resource data, e.g. digital photography collection, technical resources, databases, etc.)
- Rebuild/mirror drive (a mirror image copy of your computer's boot drive for use in case your computer crashes and is not recoverable)
- All necessary interface cables (bring extras)
- All necessary power supplies/chargers
- If so equipped, required or possible, 1GB LAN switch
- If so equipped, required or possible, WiFi WLAN WAP/router
- Power supplies for drives, switch, router, etc.
- Interface/connection cables for network equipment
- Interface connection cables to attach to the LAN

22. Software

- CD/DVD copy of operating system (OS) and supporting drivers, etc.
- CD/DVD copies of all core software applications (required in case of system rebuild)
- Registration numbers/unlock codes for OS and all core software applications

23. Photography

- Pocket digital camera (small enough to fit in pocket or small belt/strap case)
- Digital camera (high resolution digital camera), fixed lens with wide range zoom or DSLR
- Lenses (if DSLR)
- Memory cards for each camera (high speed, large capacity). Total quantity depends on your camera's resolution, its file type and size, and your memory/storage strategy. Minimum quantity is 16 to 32GB per camera.
- Four battery sets for each camera (minimum)
- Battery charger(s), 12VDC and 120/220VAC
- Power plug adapters for destination countries
- Camera bag/pack (weatherproof or with integrated weather/rain cover)(ensure the bag will fit in airline overhead compartment or under seat area)(a bag with integrated laptop storage is ideal)
- Tripod (lightweight, carbon fiber if possible)
- External flash
- Accessories (filters, cleaning supplies, remote release, weather covers, reflectors, etc.)
- Interface cables (camera to PC/Mac)
- Driver and support software
- USB memory card reader for all memory card types
- Portable, battery powered photo printer
- Battery charger/power supply for photo printer
- Interface cables for printer
- Supplies for photo printer (ribbons/ink, paper)

24. Video

- Digital video camera(s)
- Recording media. Total quantity depends on the storage media type (tape or direct memory media), frequency of use, and your media strategy. Minimum quantity is 30 hours.
- Memory cards, if so equipped. Total quantity depends on your camera's resolution, its file type and size, utilization rate and your memory/storage strategy. Minimum quantity is 4 to 8GB per camera based on occasional use.
- Four high capacity batteries per camera
- Battery charger(s), 12VDC and 120/220VAC
- Power plug adapters for destination countries
- Camera bag/pack (weatherproof or with integrated weather/rain cover)(ensure this bag will fit in airline overhead compartment or under seat area)
- Tripod (lightweight, carbon fiber if possible)
- Tripod fluid head
- Microphones (shotgun, lavalier, wireless, belt packs, etc.)
- Accessories (filters, cleaning supplies, remote control, weather covers, etc.)
- Interface cables (camera to PC/Mac, camera to monitor/projector, etc.)
- Driver and support software

25. Laptop

- High speed, high capacity PC/Mac laptop
- Rugged design capable of withstanding high shock loads, vibration, dust, dampness and temperature extremes
- Proven reliability
- Good battery life
- Screen size appropriate for intended use, transport bags/packs, and available vehicle storage
- Maximum available high speed hard disc size (minimum of 7,200 RPM)
- Storage bay mount hard drive (mounts in DVD/CD drive bay), maximum size, can be 5,400 RPM
- Storage bay mount, removable DVD/CD drive
- USB 2.0 ports, minimum quantity four
- Audio input/output jacks, including external microphone jack
- Integrated wireless network capability
- External video port (for external monitor or video projector)
- Direct high speed external drive support, e.g. ESATA
- One spare battery per laptop
- Multi-voltage power supply (12VDC and 120/220VAC)
- Power plugs for power supply (12VDC and 120/220VAC)
- Power plug adapters for destination countries
- Laptop bag/pack (weatherproof or with integrated weather/rain cover)(ensure this bag will fit in airline overhead compartment or under seat area)
- Headset with microphone (for VOIP/Skype calls). Minimum quantity is one per laptop plus one spare.

26. Optics

- If applicable, prescription eyeglasses, minimum three pairs
- Reading glasses, varying strengths, minimum two pairs per strength (bring these even if you don't think you need them, someone you are depending on might require them.)
- Sunglasses, polarized, minimum three pairs
- High quality, high contrast compact binoculars (pocket size or belt/strap bag mount)
- High quality, high contrast full size binoculars
- Magnifying glass (handheld, medium size)
- Magnifiers (compact, portable, pocket size)
- Night scope (optional)
- Sky/star scope (optional, but highly educational and entertaining)

27. Entertainment

- Books
- Magazines
- Portable media player(s), e.g. iPod
- Power supply/charger(s) for portable media player(s)
- Power plug adapters for destination countries
- Interface cable(s) (PC/Mac to portable media player)
- Flat panel television/monitor, rugged design capable of withstanding high shock loads and vibration.
- DVD player
- Wireless headphones (you must be able to use the system without disturbing your travel companion(s))

28. Education

- Inflatable globe(s)
- White board
- Erasable markers
- Photo albums or digital photo frame(s)
- Video projector
- DVD player
- Portable self-powered speaker
- Microphone for self-powered speaker (lavaliere, handheld, wireless)
- Handouts/single-pagers/brochures/backgrounders
- Laser pointer

29. Tools

I post our repair log on our web site. It is below our route map here:

<http://www.hackneys.com/travel/index-routemap.htm> (scroll down). Review the repair log to get an idea of the tools required for typical repairs.

Minimums:

- Vice grips large and small
- ½" and 3/8" drive sockets, metric and inch
- Full sets of combination (open and box end) wrenches, metric and inch
- Full set of allen wrenches, metric and inch
- Full set of nut drivers, metric and inch (Sears sells a nice Craftsman set in a zip case)
- 2 lb. hammer
- Very large channel locks
- 10" channel locks
- Very large crescent wrench
- 10" and 6" crescent wrench
- Full set of Phillips (cross head) and flat blade screwdrivers
- Special connector drivers, e.g., square drive
- AC/DC volt/ohm meter (must include continuity tester)
- Alligator clip lead assortment (Radio shack sells them, clips on each end, various colors)
- 12VDC circuit test light

Overland Expedition Vehicle Pack List

- 110VAC circuit tester/polarity tester
- Needle nose pliers
- Wire cutters
- Jewelers screwdriver set (small Phillips (cross head) and flat blade)
- Craft knife / utility knife / razor knife
- Wire crimper, wire stripper
- Caulk gun
- ¾" or 1" drive pneumatic impact wrench
- ¾ or 1" very long handle ratchet for tire changes
- Budd impact socket for rear studs and lug nuts
- 6" ¾ or 1" impact extension
- Compact (pocket type) air gauge
- Full size air gauge
- Leatherman tool
- A funnel or two
- Bottle jack twice as big as you need to lift your vehicle
- Oil filter wrench
- OBD II code reader and code book (used with the vehicle service connector to read trouble codes)
- Special tools required for your systems, i.e. water filter wrench, network testers, systems diagnostics
- 3/8" cordless drill and charger
- Full set of best quality drill bits. Spray the entire set with WD40 to protect them from water and put them in a zip lock.
- Spring punch (to center punch a marker hole for drilling)
- Tap oil (to lubricate the metal while you drill - keep your drill speed low and keep the bit cool by keeping it lubed with oil and you can drill through anything, be patient)
- Files, large and small (flat, half round, rat tail)
- Drift, at least 8", 12" is better
- Four step ladder
- Water bandit – used to adapt to various sizes of water pipes, faucets, etc. when loading water
- Service manual for your vehicle on DVD/CD
- 8 or 10 lb. sledge hammer
- Grease gun and lube
- Tree/brush saw
- Small folding brush saw
- Summer weight and winter weight (insulated) overalls
- 4" to 6" vise. We mount ours in the hitch receiver.
- Tarp, minimum size 9 x 12'

30. Repair and Maintenance

This category includes materials used to perform field repairs and maintenance on the vehicle and its systems. It should be considered a starting point as your final list will depend on the materials and techniques used to construct your vehicle, as well as the systems utilized.

- 3M 5200 Marine adhesive (fast cure) small tubes and caulking gun size – bring lots of this miracle substance
- Water repair tape/miracle tape (you can find this at boat shows or marine supply centers;
- 3M top quality electrical tape – not the cheap stuff;
- Ancor marine grade electrical crimp connectors – all sizes from 22 to 10 – unions, terminals, spade connectors, etc.;
- Marine grade wire – some #18, #14, #12, #10 – you don't need a lot, just enough for a field repair
- The best quality duct tape you can find – minimum of two rolls
- 2 or 3 best quality ratchet straps
- 2 to 4 best quality tie downs – no cheapos on these straps and tie downs, your life may depend on them
- 4", 14" and 14" heavy duty 150 lb rating wire ties – minimum of 100, don't scrimp on these or on their quality;
- Heavy stainless steel safety wire – you can get this at any quality motorcycle dealer – minimum of one can
- LockTite medium and full strength
- Crazy Glue, Goo and other adhesives
- Graphite lube for locks
- WD40, minimum of two cans
- Brake and parts cleaner, minimum of two cans
- Tire repair kit, top quality, name brand
- Auto wash soap
- Two gallon buckets, minimum of two
- Bug scrub sponge
- Regular sponge
- Window squeegee with extendable handle

31. Spare Parts

Spare parts will depend on the vehicle configuration. Consider this list a starting point.

- Assortment of hardware (nuts, bolts, screws, etc. – stainless steel and grade 8, metric and inch, this will be heavy, don't scrimp on it and don't forget an assortment of washers for each size, i.e. lock, flat, fender, etc.
- Vehicle Oil filters
- Vehicle air filters
- Vehicle fuel filters
- Vehicle fan belt(s)
- Vehicle wheel studs and lug nuts (front and rear) , at least one each for each side
- Vehicle heater hose
- LED, incandescent and headlight bulbs, especially for aftermarket lights
- Filter sets for any other motors you have, e.g. genset, motorcycle, etc.
- Keys. We have four sets. I carry two at all times, Steph has a set and we have one in reserve.
- Documents. Passport, driver's license (international and US), inoculation record, vehicle title, vehicle registration, vehicle insurance, emergency contacts, etc. We have about 10 sets. Never give original docs, always present color copies.
- Water filters for your water system
- Full set, at least 10 each, of Vehicle fuses (mini type)
- Full set, at least 10 each, of auto blade fuses if you use them in any of your systems
- Spare breaker, one each size, for your DC/AC distribution panel(s)
- Spare high amperage fuses (200 or 400 amp) for your house batteries
- Stainless steel hose clamps, good assortment, including any very large sizes you need for your sewer or other large diameter hoses
- Spare water hose or plastic pipe used in your water distribution system; if you used plastic pipe, then spare connectors, such as unions, clamp end to thread connection, etc.
- Drinking water hose (RV type, used to fill water tanks)
- Water hose washers
- O rings
- Tire chains

31.1. Propane System Spare Parts

Propane system spares will depend on the type of supply (fixed or portable) and refill strategy. Please see the document here for a full discussion of propane systems for expedition vehicles:

<http://www.hackneys.com/travel/docs/propane4xvehicles.pdf>