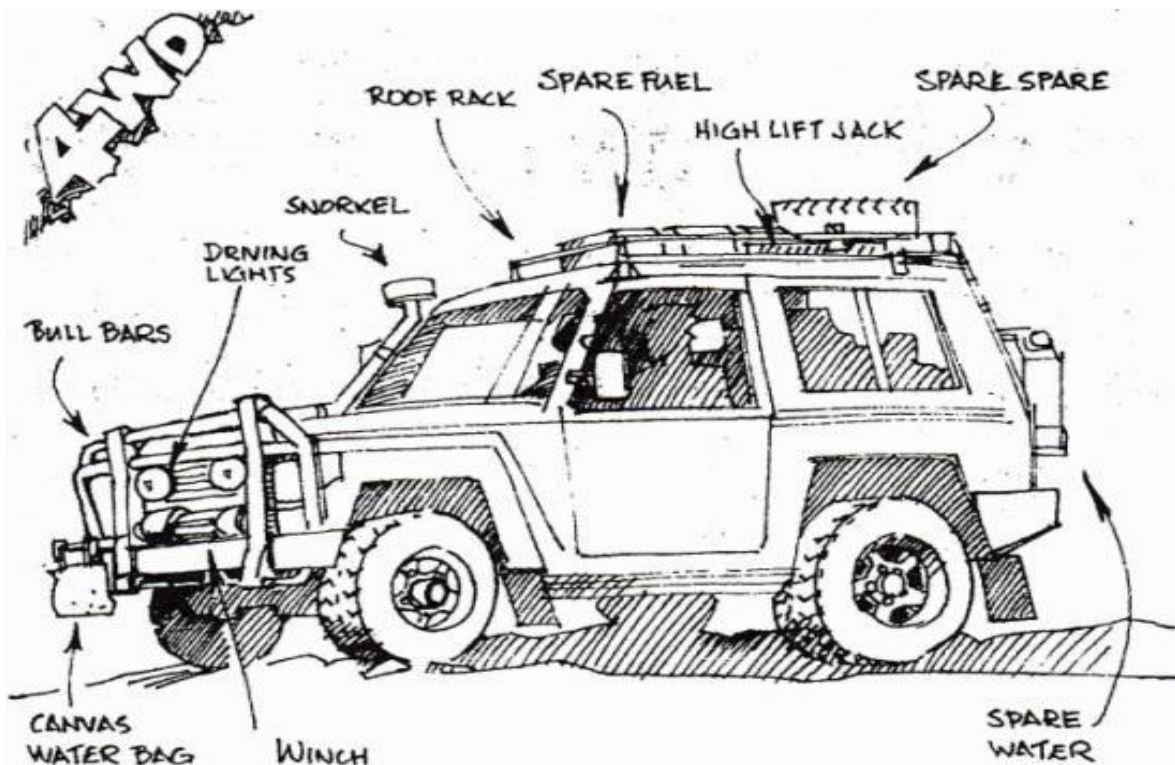




ACT4WD Club

Minimum Trip Equipment Standards

22 May 2025



Minimum Trip Equipment Standards



*Please Note: Trip Leaders may recommend additional equipment for certain trips.
For longer/harder trips, always consider travelling with an experienced person/s.*

VEHICLE AND RECOVERY EQUIPMENT	Green Track	Blue Track	Black Track
Tyres - Light Truck preferred - AT type minimum for offroad	R	✓	✓
Spare Tyre - identical size & preferably tread pattern.	✓	✓	✓
Wheel Change Equipment - including wheel brace, jack plate and a quality jack - sized for vehicle weight and allowing for vehicle lift (Note the original Jack may not fit lifted vehicles & campers).	✓	✓	✓
UHF Radio - Vehicle Mounted preferred for range and wired directly to power (so it stays on when ignition off)	✓	✓	✓
UHF Hand-held Radios - needed for negotiating difficult sections	R	✓	✓
Rated Recovery Points - Front and Rear	R	✓	✓
Tyre Pressure Gauge and Tyre Deflater	R	✓	✓
Air Compressor (Aim for min flow rate of 70 Litre/min, twin head??)	R	✓	✓
Puncture Repair Kit - which includes reaming tool, insertion tool (metal handles) and repair cords or strips. (For people with tube tyres a tube repair kit - Bead breaker and tyre refitting tools)	R	✓	✓
Snatch Strap - rated for your vehicle weight		✓	✓
Rated Shackles - minimum of two		✓	✓
Cable Dampener or 2 (an old blanket can be substituted)		✓	✓
Equalizer Strap/Rope - if you have two front recovery points.		✓	✓
Gloves - good quality (for handling steel cables, rocks, etc).		✓	✓
Recovery Boards - e.g. Maxtraks or TREDs		R	✓
Shovel - Long handle is best		R	✓
Bush Saw, Axe, Chainsaw or Hand Chainsaw		R	✓
First Aid Kit - and first aid manual, St John's or equivalent.		R	✓
Winch - either vehicle mounted electric winch or hand winch and associated equipment such as:		?	✓
Snatch Block - look for a quality block with deep cable groove and solid construction. The block should be greaseable.		?	✓
Winch Extension Strap - (20 metre) or plasma rope with eyes either end.		?	✓
Tree Trunk Protector - rated and 3 metres long.		?	✓
Drag Chain - 5 metres		?	✓
Fire Extinguisher (Easy to see and shaken monthly)	✓	✓	✓

✓ = Mandatory for this grade, R = Recommended, ? = If conditions warrant (Trip Leader)

Items NOT to be taken on club trips:

Firearms, Pets, Hunting Weapons (e.g. crossbows, etc).

Note that in some States and areas one or more of these may also be prohibited by law.



TOOL KIT

You should always carry a good range of tools to at least undertake minor repairs. Your tool kit should consist of a variety of sizes and combinations of commonly used tools such as socket sets, wrench sets, Allen keys and screw drivers. Your tool sets should cover the variety of sizes found in your vehicle. Some suggestions:

- Allen/Torx Keys - check if your vehicle or vehicle accessories use either Torx or Allen keys and take appropriate tools
- Cold Chisel and Punch
- Extendible Magnet
- File/s - a half round and a small round
- Flat & Phillips Screwdrivers, large, medium, small
- Hacksaw or something to cut metal
- Hammer
- Jumper Leads (300A with surge protection or Jump Pack).
- Open End Combination Spanners
- Pliers include Combination Pliers, Long Nose Pliers, Slip Joint Pliers, Side Cutters, Inside and Outside Snap Ring Pliers
- Shifting Spanner
- Multimeter
- Socket Set - to suit your vehicle
- Soldering Iron & Solder - Gas Soldering Iron get a good quality one and make sure it works. 240volt - you can make temp repair until you get to 240volt power and then undertake a proper repair)
- Strong Utility knife
- Vice Grips - a couple of sizes is good
- Wire Stripper/Crimper



There are now several 4WD aftermarket accessory companies who are selling 4WD tool kits that are worth exploring if you don't want to assemble the kit yourself - Google is your friend.

ADDITIONAL ITEMS TO CONSIDER TAKING

(Depending on the trip)



As a 4WD owner you should be aware that it isn't easy to call road service or the nearest garage if something goes wrong when away on a trip.

Therefore, it is important to look after your vehicle at all times and thus minimise the chances of something going wrong in the bush. Even so, things do go wrong, and it is then that you need:



1. To know as much as possible about your vehicle and how it works
2. To have a good set of tools on hand to carry out any necessary repairs
3. To carry a few spares to repair or replace the damaged part on the spot to get you home.

The following is a reasonably comprehensive list of additional general spares and equipment to guide you in selecting the right additional equipment recommended for trips. The more remote your travels and the more risk involved would normally necessitate more equipment. For example, spare shock absorbers are unnecessary for local trips but maybe considered basic requirements if doing the Canning Stock Route.



As you can see you would probably need a semi-trailer to carry it all, so careful planning of trips is essential, and equipment/parts selection is important. Sharing of equipment between vehicles on a trip will eliminate duplication and therefore ease everyone's load, as will trying to identify equipment that fulfils multiply roles.



Spares to aim to have on board for any trip

(Some items below may not be applicable to your vehicle)



- Fan Belt (and other belts if your vehicle has them).
- Fuel filter - spare to suit your vehicle.
- Radiator hoses.
- Hose clamps.
- Spare Electrical Wire - varying sizes but include 1 meter of large gauge wire 8awg
- Electrical Terminals - a variety of types to suit your vehicle set-up
- Auto Fuses - check all fuse boxes and ensure you have spare fuses in the various types used by your vehicle. Also consider spare fuses for any auxiliary electrical item - e.g. your fridge)



GENERAL REPAIR ITEMS

Aim to have on board for any trip

- Can of WD40, RP7, CRC or similar
- Cloth Race/Duct Tape 50mm (to seal doors etc. before driving through deep water)
- Electrical Tape
- Hand Cleaner and rags
- Light - Magnetic LED or head torch and spare batteries or torches
- Metal Epoxy Putty, JB Weld, Araldite, Super glue gel & Contact Cement and coarse Sandpaper to roughen plastic tanks and radiators for gluing.
- Self-Fusing Silicone Tape (Self-Amalgamating Tape) - good for radiator hose and electrical repairs
- Sheath Knife
- Small Tarpaulin - to lie on when making repairs
- String and Tie Wire. General tie wire for holding things together when they break and long quality cable ties
- Zip Ties - lots of them in different sizes, they are great for repairs and have a multitude of uses



Additional Items to consider for longer or more high risk/remote trips

- Air filter - on longer or dustier trips
- Brake Cleaner (for slipping or oily clutches, and brake linings)
- Brake Fluid (500ml)
- Brake Line Clamp or other ways for blanking off broken brake lines.
- Brake Master Cylinder Repair Kit (on big trips only)
- Brake Wheel Cylinder Repair Kit (for drum brakes) and brake hose. (on big trips only)
- Clutch Master Cylinder repair kit (if applicable on longer trips)
- CV Joint (if your vehicle has CV joints - particularly for more remote travel).
- Differential Oil
- Emergency Windscreen (plastic) and windscreen crack repair kit
- Engine Oil and Radiator Water - 5 litres each approx
- Gaffer Tape
- Extra Fuel: Auxiliary tank is best, but steel or approved plastic jerry can will do (if you have a long-range tank, it is worth still carrying an extra 20 litre in a jerry can in case of loss of fuel through tank failure - particularly in remote areas)
- Funnel or other fuel transfer method
- Globes - Headlight, stop/tail and interior light
- Leaf (or coil) Spring spare
- Leaf Spring U-bolt (with nuts) and spring centre bolt
- Length of fuel hose



- Muffler Tape (for exhaust system)
- Multipurpose Grease and grease gun (500gm)
- Paint Brush (for cleaning parts)
- Plastic hose (for siphoning fuel or transferring fuel from drum to carburettor in case of fuel pump failure)
- Radiator cap
- Radiator Fluid (or spare water)
- Radiator sealing compound
- Relays
- Ratchet Straps to compress tyre to reseal bead, hold broken suspension together and retie loose gear
- Scraper
- Shock Absorbers (Originals before suspension upgrade will do if you kept them)
- Spare Nuts, Bolts, Split Pins, Roll Pins, Washers, etc. Try to cover the main bolt and nut types on your vehicle
- Spark Plugs (full set if applicable)
- Sump Plug and gasket
- Transmission Oil Filler (a soft plastic bottle of the 'squeeze' type with a flexible extension)
- Transmission Oil, Engine Oil & Filter to suit your car
- Voltage Regulator
- Workshop Manual/s



OTHER KEY ITEMS TO CONSIDER

- Water: 2 litres per person per day minimum!
- GPS Unit - if you use one
- Compass and Maps - relevant to the area you are travelling in, recommend even if you use a GPS unit or electronic maps - you never know when they might fail plus maps give a good overview
- Pencil and Paper - some people also carry logbooks
- Spare Car Key - where they can be accessed in an emergency, outside of the vehicle - maybe in another car. Immobilizer fob or key for newer cars
- Emergency Communication Equipment - we recommend a Satellite Phone or HF Radio and Personal Locator Beacon, particularly when travelling in remote areas or areas of no mobile coverage. Starlink is good as it gives you satellite internet and mobile phone coverage
- Sand Flag - compulsory in some areas (eg Simpson Desert)
- Extra wheels or tyres for longer/remote trips and tyre levers



CAMPING & RELATED GEAR

Camping gear is a personal thing, and one person's idea of a comfortable bed is another's nightmare. So, while you will probably have your own list of camping gear you like to take along, here are some prompts to ensure you are comfortable on your trip.

- 240V cable for fridge and extension cord
- Binoculars
- Cameras - and memory cards or film (for the traditionalists)
- Clothes to suit conditions (remember in the Aussie deserts it can get very hot and cold and, in the Vic, High Country it can be sunny one minute and snowing the next)
- Clothesline & pegs, buckets
- Driving license
- Fishing gear, spotlight, swimming gear, water bottles for hiking
- Gas stove, gas bottle (full or spare cartridges), matches, saucepans, frying pan, billy, griller plate, cutlery, plates, cups, camp oven, insulated gloves, tea towels, soap, pot scourer, wash up bowl, detergent, tin opener, can punch, corkscrew, flasks & containers for hot & cold drinks, spare plastic containers for food, rubbish bags
- Hammer (or similar) to put your tent pegs in with
- Insect repellent and sunscreen
- LED Lights, torches and LED lantern, spare batteries
- Money
- Permits - National Park, Land Council and other types for the area you are travelling in
- Sleeping bags, mattresses & 12v pump if not self-inflating, pillows, inner sheets. (Patches, glue & spare plug for mattresses - just in case)
- Sunglasses, Table & Chairs
- Tent or Swag - don't forget the tent poles, pegs, spare ropes, and a ground sheet
- Toilet gear (Toilet Paper, sponge, toothbrush and toothpaste, deodorants, soap, towels, razor, brush/comb, shampoo, etc)



Spider Compact Stove \$79