

OLRHD VEHICLE REQUIREMENTS

The Basics

The 5 requirements listed below apply to **ALL** vehicles participating in the Outback Land Rover Heritage Drive.

1. **REGISTRATION** - All vehicles must be road registered in an Australian State or Territory. Registration can be either Historic or Open and must be valid for the duration of the Drive.
2. **MODIFICATIONS** – Are acceptable but only if they are allowed by the relevant registration authority. However vehicles with Historic registration that clearly do not meet the requirements for that registration type will not be allowed to participate in the event.
3. **FUEL** - You must have enough fuel on-board for your vehicle to travel 400km (if the vehicle's fuel tank is not big enough then augment its capacity by carrying a jerry can or two). Also carry a funnel and some hose for siphoning fuel if necessary.
4. **WATER** - You must carry a good supply of drinking water in your vehicle. 10L is a good supply, packed however is easiest for you.
5. **INSURANCE** – You must have either third party property or comprehensive insurance for your vehicle.

Be Prepared

This event has been designed as a get-together of like-minded people (most probably certifiable!) travelling over a historic region of outback Australia. Many of the vehicles being considered for this event may have been rescued from farm sheds, out of the back paddock or assembled from a multitude of spare parts from the back of the workshop. So, in the lead up to departure it is advisable to pay attention to the following important areas:

- **Cooling** – we recommend that the radiator be drained, flushed and generally cleaned out.
- **Lubrication** – we recommend that for engines that have been stationary for some time an oil and filter change be mandatory. Don't forget the transmission and differentials as well!
- **Engine and transmission mountings** – check for tears, perished, worn or oil damaged. (Body mountings if applicable).
- **Drive shafts** - check the universals, yokes and flange bolts.
- **Suspensions** – check for perished mounting rubber joints, links, shock absorbers pins and bushes, springs, shackles, leaves and centre bolts.
- **Brakes** – check the linings/pads, hoses, brake lines and their securing, wheel and master cylinders.
- **Wheel/Tyres** – must be roadworthy for your journey however long that will be.
- **Wheel/axle bearings** – check seals, clean, inspect repack/grease.
- **Engine** – tune and waterproof the ignition.
- **Wiper blades** – replace (ever the optimist).

We will be covering a considerable distance on unpaved roads so be prepared for dust and vibrations!! You may be able to pick up breakdown service from a motoring body – e.g. NRMA Premium (but be sure to check the details).

Essential Equipment

You should carry the following items in your vehicle:

- Fire Extinguisher.
- First Aid Kit – the ones for sale through St Johns Ambulance are a good choice.
- A serviceable spare wheel/tyre, mounted and inflated.
- Rated towing and snatch straps. Wire cables are NOT acceptable.
- D type shackles (2) with minimum rating of 3 t.
- Recovery Points - securely mounted to the chassis. This is not compulsory but having recovery points front and rear of some type makes sense! Remember, if you fit it you probably won't have to use it, but if you don't have it.....
- Jack & Wheel Brace – both vital when changing a tyre. Choose your jack carefully as some can be difficult to get under a car with a flat tyre. You will need a jack plate so the jack doesn't sink into soft ground. Steel or wood both work well.
- Tyres to have 70 % tread or better.
- Spare Parts – as appropriate for your vehicle considering its age and condition (and your knowledge of its needs).

Optional Equipment

Consider carrying the following items:

- 5 Litres of engine oil and engine oil filter.
- 5 Litres of auto/manual-transmission oil.
- Jumper leads.
- 500mls of brake fluid.
- One can of WD40 or equivalent.
- Fan belt.
- Spark plugs, plug spanner and points.
- Radiator hoses.
- Tool Kit – nothing too large. An assortment of screwdrivers, shifters, small ring and open ended spanners, pliers, side cutters, pocket knife, gaffer tape, electrical tape, some small and medium size cable ties, a pair of multi-grips and some insulated wire of the size used in cars. (And we know this will sound stupid – BUT make sure your spanners fit, i.e., does your car require Whitworth, metric or imperial?).
- Filters – Air, Fuel and any others needed.
- Fuel hoses.
- Fuses.
- Heavy duty torch.
- One roll of racing tape, small roll of tie wire.
- And if you have one in the shed; a water pump, fuel pump, fuel filters (desirable but not essential).
- Kitchen sink!!

Note: If you have spare parts in the shed at home, throw them in even if you don't know how to fit them! Someone else will!

UHF Radio

While not essential we **recommend** that you have a UHF radio with you – either installed in your vehicle or a hand held unit. You will be advised of the channel to use at the initial and/or daily briefing.

Workshop Tips!

Fuel problems

To avoid fuel-related problems ensure your fuel system is in top condition before you leave home. Perhaps replace the fuel filter and take along spare filters. Maybe fit a new fuel pump and take the old one along as a spare (with a spare gasket). And if the car has been standing a long time get the fuel tank and lines cleaned out (this is a good idea anyway as the bouncing around may shake rust flakes off the inside of the tank). Have the carburettor serviced. Take some correct size fuel hose and some hose clamps along in case the fuel line is hit by a stone and damaged.

Electrical Problems

To reduce the chances of having a problem get your car looked over before you leave home by an auto electrician. Frayed wiring should be taped up and the generator or alternator checked over. Take along basic spares such as points, plugs, condenser, even a rotor, coil and distributor cap. Take along a spare fan belt. Make sure the battery is in good condition, is securely mounted and the battery holder is not rusted away.

Wheels & Tyres

As the roads can be fairly rocky you should take along two spare wheels and tyres together with two tubes. The tyres should be decent off-road tyres as they are more resistant to punctures. Take tubeless tyre plugs repair kit and a small compressor.

Air Cleaners

As the going is mainly on unmade roads it's likely to be quite dusty so we recommend you bring a good quality air cleaner element along with a couple of spares; and for those vehicles with oil bath filters, then extra oil for regular changes is a good idea.

Cooling System

Check cooling system for correct operation (including any gauges). Clean and flush cooling system and check the operation of thermostat (do not remove thermostat, if it is overheating there must be a problem).

***REMEMBER TO ROAD TEST YOUR CAR FULLY LOADED
BEFORE YOU LEAVE HOME!!***