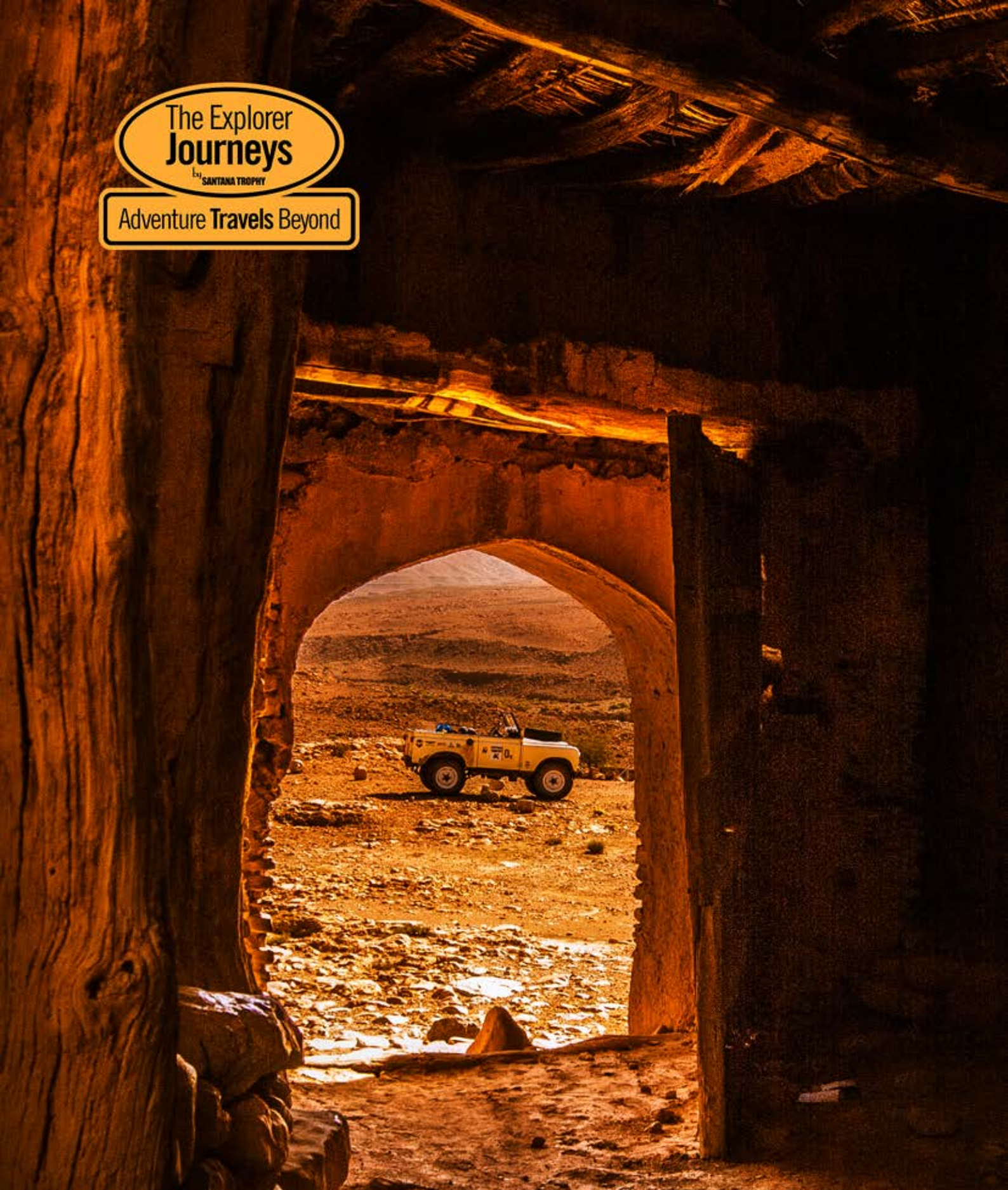


The Explorer
Journeys

by SANTANA TROPHY

Adventure Travels Beyond



BRIEFING N°2

VEHICLE PREPARATION AND MAINTENANCE



BRIEFING 2.- VEHICLE PREPARATION AND MAINTENANCE

REMEMBER: a well-serviced, well-prepared vehicle gives you the best chance of arriving trouble-free.

Depending on the age and model of your vehicle, you should revise the following:

- Ensure the engine works normally when idling and accelerating, without excess smoke.
- Check the cooling system and radiator are in good order.
- Change fluids and filters.
- Check the condition of all belts.
- Check brakes - VERY IMPORTANT!.
- Check the condition of the bushings, engine mounts and steering elements
- Check the shock absorbers, springs and suspension elements





- Check and repair rust in critical parts (rear crossmember, Mountings...)

MANDATORY EQUIPMENT (VEHICLE)

- One recovery point attached to the chassis at the front or rear
- One 20-litre jerry can for fuel (400 KM autonomy needed)
- 10-litre drinking water
- Mobile phone and charger
- One or two spare wheels (recommended 2 only for 6.00)
- Minimum 4m recovery rope with two good-sized shackles
- 12v lighter or USB socket
- Basic tool kit

RECOMMENDED EQUIPMENT (VEHICLE)

- Sand ladders
- 12v compressor





- pressure gauge
- shovel

PERMITTED:

Any modification to the vehicle that does not jeopardies the safety of the passengers or other participants

NOT RECOMMENDED:

- Carrying excess gear, equipment or luggage may make the vehicle unstable
- Non-original electronic equipment or devices which may immobilize the vehicle or drain its battery
- Excessive lifts which may compromise the stability of the vehicle

NOT PERMITTED:





- Unauthorized modifications that jeopardies the safety of the passengers, other participants or the Organization.

BASIC SPARES (NOT MANDATORY)

- Rear half-shaft
- Fuel pump
- Air filter
- Front shock
- Rear shock
- Accelerator/clutch cable
- Selection of gaskets
- Water pump
- Spare belts
- Selection of nuts and bolts
- Engine oil and coolant

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- Tape for repairing hoses
- Clutch master cylinder / slave cylinder
- Hoses
- Pressure gauge
- Spare light switch

ATTENTION! Please ensure you have the correct parts that correspond to the age and model of your vehicle.

REMEMBER: The parts that you don't need could be vital in helping out another participant

BRIEFING 1.- ADDITIONAL INFORMATION: VEHICLE PREPARATION

ELECTRICAL INSTALLATIONS:





Due to the age of the vehicle, vibrations and humidity can affect cables, connections, switches and other electrical components. These should be checked regularly to ensure everything is in working order. In particular:

- Lights: Pay special attention to master switches
- Windscreen wipers: These should work at a good rhythm without jumping
- Brake lights
- Gauges: Especially temperature, fuel gauge and oil pressure if fitted

TYRES:

The choice of tyres and pressures will be fundamental in optimising the performance of the vehicle when driving the kind terrain we will experience in the Santana Trophy.

We recommend measuring wheel 235/85 R16 (7.50) as it provides more ground clearance, more contact surface on all terrains and pressures.





RECOMMENDED TYRE PRESSURES:

- **Road:** A medium to high pressure of around 2.7 kg/cm helps relatively low-powered vehicles by allowing the the tyres to move freely over the hard surface.
- **Sand:** A low pressure of around 1kg/cm increases the surface area of the tyre on the stand helping the vehicle to travel over it rather than bury itself in it.
- **All other surfaces:** A pressure of around 2kg/cm is a good guide for optimum handling on most other surfaces.

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