

Pack It, Ship It, Drive It

The EarthCruiser is a one of a kind camper that contains everything you need to travel in style.

The EarthCruiser is the ultimate all terrain expedition vehicle for extended and comfortable travel to places that most people only read about in adventure magazines. The EarthCruiser is purpose built by All Terrain Motorhomes Pty. Ltd., a company owned and operated by two talented individuals, Kym Bolton and Lance Gillies, each with over 25 years experience in their respective fields. Kym's experience in leading many GPS plotted extreme trips across the Simpson Desert, Tanami Desert and down the east coast of Cape York proved invaluable in the design work. The initial successful testing of the prototype EarthCruiser included crossing 700km of sand dunes leading to the remote Dragon Tree Soak in the Great Sandy Desert.

Inside, the 7.5sq m interior of the EarthCruiser is well appointed and functional. The lightweight purposely designed home grows half-a-metre upwards at the push of a button when setting up camp. This allows a large walk-around area within the camper body in stationary mode, and a compact, more aerodynamic shape in its lowered position for travel. Access to the EarthCruiser is via the cab or the side door. The interior of this mobile adventure home is cleverly designed using light coloured cabinetry and large windows that make the living area feel spacious and bright. Quality appliances, a hot and cold shower, toilet, ergonomic kitchen, plentiful storage and a full size double bed make for comfortable living. The effective use of solar paneling, a diesel water heater and other proven technology permits extended travel and isolated stays both relaxing and enjoyable.

The EarthCruiser is built on either a Mitsubishi Fuso or Canter 4x4 cab chassis light truck. This platform is a commercially proven 4WD capable of loads up to 6000kg GVM, yet transformed into an EarthCruiser, the all up weight

is well under 4400kg allowing superb power to weight ratio and economical fuel consumption. The Fuso cab delivers dramatic styling, with plenty of head, leg and elbow room, easy to read instrumentation, tilt/telescopic steering wheel, adjustable seating, a dash-mounted shifter and much more. In its standard form it offers two comfortable seats with a third drop-down centre seat. For touring, the seating position and the large windscreen offer panoramic views of the surrounds, and the forward control cab position provides excellent visibility over rough terrain. Transmission is via a five-speed gearbox with a two speed transfer case and a PTO outlet also available. The rear axle has a Thornton Power-Lock Differential for positive rear traction. Although the EarthCruiser is available with the standard Mitsubishi suspension it offers an alternative, specifically-designed to hard road/soft ride configuration. Similarly the front and the rear dual wheels and their 32-inch tyres are replaced by 36-inch super singles, offering significant improvement in the off-road ability of the vehicle.

The New Fuso 4x4

With the new 4.9-litre Euro spec intercooled turbo motor and changes to the drive chain ratios, the on road driving is beautiful. Cruising at 100kph the rev count is about 2650rpm and is significantly lower than the previous model, and for passing at that speed, the Fuso still has plenty left to give. In an off road situation the torque is increased by a massive 29 percent from 365Nm to 471Nm. This also gives plenty of pulling power for those steep hills and to tow a trailer of up to 3.5-tonnes.

Tyres and Rims

The Fuso Canter 4WD is delivered from the factory with standard 33-inch tyres and dual rims at the rear. Duals are





useless off road! The EarthCruiser changes the dynamics of the Canter and comes delivered to you with five 36-inch Michelin XZL 255/100R16 Super Single tyres. These radial tyres are designed to perform in the harshest conditions and are a military specification tyre that is available worldwide. Being a standard 16-inch rim there are also many alternatives. The Super Single rims are DOT approved.

Suspension Upgrade

The Fuso Canter 4WD has a carrying capacity of 3500kg, (GVM 6000kg) yet the EarthCruiser is designed for a maximum load of only 2000kg. Without a suspension upgrade the ride would be intolerable over extended distances. The 'Hard Road/Soft Ride' suspension upgrade is a standard feature of the EarthCruiser.

Chassis Attachment

Chassis' in the Canter and other serious 4WD vehicles are designed to flex. The EarthCruiser 'camper' is attached to this flexible chassis via eight engineer designed and ADR (Australian Design Rule) approved truck strength spring mounts. This allows the full chassis movement and any tension created is taken up within the spring. The frame upon which the camper sits is engineered to 5G's.

Rear Protection Bar & Tyre Carrier

The EarthCruiser's rear protection bar includes a 3500kg tow bar, allowing you to comfortably tow a large boat or significant work equipment. On the left hand side, the standard spare tyre carrier incorporates an easy tyre lowering device. The right hand side is available for the optional secondary spare tyre carrier, a bicycle carrier or an outboard motor mount. The options are almost limitless!

Floor, Wall and Roof structure

The 'camper' floors, walls and roofs are a composite fiberglass construction using marine grade timber for added structural strength. Internally there's 30mm closed cell structural foam; this combines a high stiffness and strength to weight ratio with superior toughness. Internally the roof is domed-shaped,

much like the internals of a modern passenger aircraft. This provides good structural support without compromising external height. This combined with the 600mm high vinyl interface allows ease of movement within the living section. For cooling the vinyl interface has eight zipper/roll down ventilation fly screened windows. The vinyl has three layers, white on the outside to reflect the heat, a black internal membrane for reduced temperature/light transfer, and a white interior to keep a comfortable temperature within. Thus temperature transfer is kept to an absolute minimum.

Water

A 100-litre fresh water tank and a 45-litre grey water tank are provided. The pumping system will allow you to draw water from individual tanks, allowing you to use tank one for cooking etc and tank two for showering. Flexibility will also enable you to pump from a creek or dam into tank one or two and pump from tank one into tank two and vice versa giving maximum control and usage of available water. You can also pump



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EARTHCRUISER OVERLAND VEHICLES



directly from the creek into either the internal or external shower by-passing both holding tanks. Of course any drinking water will be delivered via the onboard water purifier through the designated stainless steel faucet.

Power

The EarthCruiser can be parked in your favorite spot for up to 10 days without the use of additional shore power. Given good sunlight, the three solar panels and the two 110A/hr batteries will run the 120-litre fridge/freezer and the low draw 12-volt lighting system for this considerable time. An 1800-watt Inverter (240 or 110-volt) provides true sine wave power and will power up your computer and supply sufficient power for

other AC powered items. Should the batteries drop below the 50 percent ideal level, the alarm system will be activated. You can then easily top up the batteries by using the alternator. Alternatively, you can also use a generator or shore power, plugging it directly into the 240 (or 110) -volt inlet whereby the inverter will immediately recognize the supply to be AC or DC via its inbuilt transfer switch. An optional Battery charger is also available should you wish. A hidden Battery Distribution Cluster and VSR (Voltage Sensitive Relay) allows isolation of vehicle and house batteries independently with the ability to emergency parallel supply to both. Alternatively both systems can be isolated in the off position in case of shipping or for added security and/or storage.

Lighting

The EarthCruiser's lighting system is both functional and ergonomic. Surrounding the cabin interface panel are low draw concealed adjustable strip lights. The 12-volt LED spotlights over the cooking and seating area provide functional lighting, and at the bed head are two adjustable reading lights. Externally on each side are water resistant 12-volt external LED flood lights. These provide adequate lighting for the 'camp' area under the right-hand awning and lighting for the external shower on the left-hand side. The positioning of these also provides good light for that late night unpredictable tyre change. The EarthCruiser also has a 'panic' switch that lights both the external flood lights. This may prove invaluable when you hear that unusual noise at night. Furthermore, should the need arise you can be driving away from a potential problem within less than 60 seconds following a push of the roof & step button, all without leaving the vehicle.



Cooking

The EarthCruiser is equipped with a smart Diesel Cooktop. The heat source is an integrated diesel burner drawing fuel directly from the vehicles fuel tank. The cooking surface is an elegant and clean ceramic surface which has room for two pots or saucepans. There is also a gas barbecue fitted externally on a slide out rack. This burner is a true combination of stove and oven. Made from marine grade stainless steel this BBQ, foldout table and storage draws completes the perfect outside cooking centre for that quick roadside lunch stop or relaxing under the awning with a glass of wine while the roast cooks.

Air and Water Heating

The Webasto DualTop will heat both the cabin air and the domestic hot water. Diesel usage is a minimal 0.19 to 0.66 l/hr, and has 11 litres of water on standby.

External Awning

Definitely a 'must-have' is the fully retractable 3mx2m awning. This electric awning cleverly retracts into the roof to avoid damage when travelling through tight tracks.

Electric Lifters and Steps

Convenience is what luxury is all about. The roof module is raised by four hidden 12-volt actuators, three-step electric steps are activated by a switch conveniently located both in the drivers cab and at the camper door. When you stop the vehicle and push the buttons the roof and the steps are extended. At the camper door you only have to push one more button to bring out the 3m awning.

Pricing

EarthCruiser will be available in three formats:

- **EarthCruiser Turn-Key (Australia):** A\$185,000 (incl GST) including the New FG84 Fuso Canter 4WD base vehicle,

plus pre-delivery, and on-road costs. This has everything we consider necessary for a true expedition vehicle. Suspension upgrade, five super single tyres & rims, electric awning, 1800W inverter, ocean yacht internal fit out, BBQ etc...

- **Export EarthCruiser:** AUD\$115,000 (excluding GST). This includes everything that is in a Turn-Key EarthCruiser, however all the add-on chassis components are packaged separately for attachment to your short wheel base Fuso Canter 4WD, with full detailed instructions included.

- **DIY Cruiser:** They have had a number of enquiries for a DIY style of EarthCruiser that you can fit onto any other appropriate chassis. The DIY Cruiser is supplied from the floor up, with complete quality internal set up, including 120Lt Fridge/Freezer, shower room with fitted cassette toilet, full trimming, but less all electrical and plumbing fittings allowing you the final choice of components. For AUD\$72,000 (incl GST) (Export Price AUD\$65,000) you will have a professionally built camper unit that just requires some DIY skills to mount to your vehicle. 🛠️

