4X4 MOTORHOMES AUSTRALIA Live the outback dream **INSIDE** Our 4x4 conversions, tips and tricks, video links and more.. **Travelling with your spouse?** What to carry? How to dry camp? Do you need a 4WD motorhome? **2021 EDITION** 4x4 MOTOR Australia





AWD Conversion of Toyota Hiace

The Red Hiace Milo on You Tube

door entry spoiler/ window

Recommended Campervan Fitout

- Seats 2 (4 Seat/4 Berth Option Available)
- Pop-Top Roof
- Spoilers for Side Windows
- Flyscreens
- Kitchen with Hot Plate & Sink
- Removable Table
- Fridge/Freezer
- Water Tank
- Rear Double Bed
- Drawer Units (Option to Access from Rear)
- Wardrobe
- Awning
- Solar Panel, Regulator and Battery

The above internal fitout is only a recommendation for the SLWB model. Bus 4x4 does not build internal fitouts which are supplied or built by contractors.

Vehicle/Conversion Specifications

- 3.5L 6 Cyl Petrol or 2.8L 4 Cyl Diesel Engine
- Bus 4x4 Full Time AWD Conversion with High and Low Range 4x4
- Conversion Lift of 180mm
- Toyota Differential Front and Rear
- Modified Independent Front Suspension
- Modified Rear Suspension
- Rear Diff Locker and Underside Protection Option
- Bull Bar with Snorkel
- Rear Protection Bar with Tow Bar
- Standard or Upgraded Fuel Tank
- Upgraded All Terrain Tyres
- Can Drive on Car Licence (Under 4.5T)
- 3 Years Toyota Warranty (New Vehicle)
 - 12 Months Bus 4×4 Kit Warranty

TESTIMONIAL

Since purchasing our Bus 4x4
conversion of Toyota
Commuter we have had
nothing but enjoyment
out of it. We have ventured to both
Rainbow beach and Fraser island
driving long distances in soft sand at
high tide as well as passing
through the Ngkala Rocks
bypass at Fraser Island
on the first attempt.

Paul McFadden

Great things come in small packages. The Toyota Hiace is not the largest package, but it is great. The Bus 4x4 Full Time AWD Conversion Kit to suit the Toyota Hiace with High and Low Range 4x4 changes it into a very serious offroad vehicle that will help you live the outback dream.

Vehicle advantages:

- Full Time AWD with High and Low Range 4x4
- Can be adapted across the entire Hiace range including LWB Van, SLWB Van and Granvia
- Provides better stability on gravel and corrugated roads
- Optional Rear Diff Locker and Underside Protection
- Bus 4x4 proven reliability



If you are considering buying a motorhome, you probably see pictures of happy couples in glossy brochures. Living out of a motorhome is not exactly the same as living in a house. Lack of personal space is the biggest problem in addition to sharing almost everything. So, how do you manage without killing each other? Here are some tips.

Test out the Lifestyle - Just because you are terrific together in a regular house in no way means you're happy in a motorhome or campervan. The best advice is to rent a motorhome or campervan and travel for a few weeks to see how it works out. Rent a size smaller than what you are planning to buy so if you were OK in this size, you should be fine in the bigger one.

Division of Labour - When travelling there are many chores and mundane day-to-day tasks needing to be done. Try and sort out who is responsible for what. When each person has a clear idea of their responsibilities the smoother things will go. Some couples like to refer to these as pink and blue jobs, with more dirty outside tasks like waste dumping being a blue job and washing the bedding and sheets being pink.

Food - Living in a motorhome or campervan means coping with restricted cupboard and fridge space. Split up the space into combined and separate areas for each of you to have your own food. Also whoever does the bulk of the cooking needs to be in charge of organising and purchasing the groceries.

Personal Space - Since space is such an issue, it is very important to have personal space for each other. Assign different drawers, cupboards and closets to each other along with some common areas. It's good even in a small space to still have a little area for yourself.

Noise and Movement - Two things can drive the other spouse crazy! Because of the small area any noise is magnified so you need to be considerate. When one spouse is sleeping, reading or writing, use headphones while watching TV. Keep movements to the minimum as the motorhome or campervan being on wheels and springs is prone to shaking.

Away Time - Occupying the same space 24/7 can be taxing on a relationship so plan to give each other some time to be off on their own. Even if it's only a shopping trip for supplies, to the pool or getting the oil changed on the vehicle, a little away time is beneficial.

Don't Stay Angry - You cannot avoid getting angry with each other from time to time but the trick is to resolve the issue quickly. It's one nice thing about the tight quarters, it forces you to talk it out and settle a disagreement. There is no place to run and hide. Nip it in the bud and don't let things fester.

Do Nothing Day - Just because you're travelling and having the time of your life doesn't mean you don't need a break occasionally. Every few weeks have a do-nothing day and just chill out with no plans or chores. This helps reduce the stress that can come from being on the go so much and helps you get along.

Happy Hour! - Have a time set for happy hour every day to discuss the day's events and plan for the next. This is a great way to relax and stay on page with each other.

There you go, a few tips for travelling full time with your spouse. It's a great lifestyle where you share so many adventures and it's the sharing of the adventures that make them meaningful.

AWD Conversion of Toyota Coaster



- Walkthrough Layout
- Front Lounge & Rear Double Bed
- Kitchen with Sink, Burner & Oven
- Fridge/Freezer & Microwave
- Shower & Toilet
- **Roof Mount Airconditioner**
- External Awning & Shower Outlet
- Solar Panels with Inverter
- Battery Management System
- Gas Hot Water System
- Optional Generator & Diesel Heater
- External BBQ & Outdoor Draw Fridge
- Fresh & Grey Water Tanks
- Internal Storage and Overhead Cabinets

The above internal fitout is only a recommendation. Bus 4x4 does not build internal fitouts which are supplied or built by contractors.

Our most popular vehicle, the Bus 4x4 Full Time AWD Conversion of Toyota Coaster with High and Low Range 4x4 is an amazing platform to convert into a wonderful motorhome. At Bus 4x4, we believe your motorhome should take you anywhere on and off-road, from the rugged Outback to glittering beaches, without leaving comfort and luxury behind.

Vehicle/Conversion Specifications

4 Cylinder 4L Turbo Diesel Engine Bus 4x4 Full Time AWD Conversion with

High and Low Range 4x4

Vehicle advantages:

- Full Time AWD with High and Low Range 4x4
- Based on a proven and reliable Toyota Coaster platform
- Superior 4x4 capabilities to other makes
- Wide range of optional extras and customisation available
- Bus 4x4 proven reliability



Creating a carry list is a trial and error process. The first time everyone pretty much takes everything under the sun and most of it just sits unused. Below is a generic carry list which will help you balance what is really needed compared to what is maybe needed. However, everyone is different, so this is not a one for all version.

ASSORTED INSIDE ITEMS

- Computer, Camera & Electronic Equipment
- Cellular Amplifier & Antenna
- WiFi Signal Amplifier
- Spotting Scope or Binoculars
- File Folder Box
- Insulation for windows
- Vehicle & Motorhome Manuals
- Small Oil Filled Heater & Fan Heater
- Portable Cooktop, Step Stool & Vent Covers
- Small Suitcase for emergency flights if needed
- Bird Feeder, Hiking Backpacks & Poles
- Broom, Sweeper, Electric Bug Zapper
- Rechargeable Handheld Vacuum
- Plastic Food Container Set

KITCHEN ITEMS

- Place Setting for Four People
- Small, Medium & Large Pots
- Small & Large Frying Pans
- Cake, Bread & Frying Pans
- Air Tight Plastic Containers
- Drinking Water Jugs
- Kitchen Knives & Block
- Mixing Bowls & Cutting Board
- Toaster, Slow Cooker, Small Blender & Kettle
- Coffee/Espresso Machine & Coffee Pods
- Several Coffee Mugs & Assorted Plastic Glassware
- Assorted Utensils (Ice Cream Scoop, Can Opener)

ASSORTED OUTSIDE ITEMS

- Portable BBQ, Camp Stove & Camping Chairs
- Foldable Camp Table & Outside Mats
- Beach Umbrella & Telescopic Flag Pole
- Large Tarp & Ropes
- Large Fresh Water Jug
- Foldable Multi-Ladder
- Wheels Chocks & Tyre Ramps
- Portable Generator, Extra Oil for Vehicle & Generator
- Mouse Traps & Ant Bait
- Large Bucket, Coaxial TV Cable

WATER AND SEWER HOOKUPS

- Main Sewer Hose, Extension Hose & Hose Support
- Sewer Pipe Fittings
- Fresh Water Hose & Adjustable Spray Nozzle
- Grey Tank Flush Hose
- Outside Shower Quick Connect Coiled Hose
- Adjustable Water Pressure Regulator
- Fresh Water Filler Tube w/shut off valve
- Twist-On Waste Valve & Rubber Gloves

CLEANERS AND LUBRICANTS

- Windex, Vinegar & Bleach
- Spray Wax, Car Wash & Long Pole Brush
- Silicon & Spray Lubricants
- Grease Gun & Wheel Bearing Grease

TOOLS AND MAINTENANCE ITEMS

- Basic Mechanics Socket Set
- Basic Tool Kit (Screwdrivers, Hammer, Screws, etc.)
- Torque Wrench, Air Compressor
- Cordless Drill, Bits, Screw Gun & Staple Gun
- Cordless Impact Wrench, Multimeter
- Non-contact Voltage Tester
- Infrared Temperature Gun
- Soldering Iron, Solder & Heat Shrink Tubes
- Small Vacuum & Tyre Changing Ramp
- Hydraulic Trolley Jack
- Axe & Small Spade Type Shovel
- Silicone Rubber and Sealants
- Extra Battery, Spare Electrical Wire & Work Gloves
- Bailing Wire & Rope
- Plumbers Putty and Grease plus Faucet Washers
- Water Heater Maintenance Kit
- Heavy Duty Extension Cords
- Emergency Roadside Warning Triangle Reflector

SAFETY AND EMERGENCY ITEMS

- Fire Extinguishers & First Aid Kits
- Portable Radio & CB Radio
- Smoke & Gas Detectors
- Portable Battery Jumpers & Cables

The above list should give you a general idea of what you can carry apart from the clothes, medicines, personal, pet stuff or bathroom type items. Happy travels!

Iveco Daily 4WD Motorhome*

* The new Iveco Daily model has not been released in Australia as of March 2021



The Iveco Daily 4WD Motorhome has all the bells and whistles and goes everywhere. At 7 metres, this can fit into most car parking spaces while at the same time take you in comfort and safety around Australia to help live your

Vehicle Specifications

Diesel Engine

4 Cylinder Intercooled 3L Twin Turbo

Iveco Original 4x4 Drivetrain

Vehicle advantages:

outback dream.

- 3.0L Euro 6 turbo diesel engine generating 125kW and 400Nm of torque
- Factory high and low range 4x4 with front, centre and rear diff lockers as standard traction boost
- Superior water fording ability

- Walkthrough Layout with Slideout Option
- Front Lounge & Double Bed
- Kitchen with Sink, Burner & Oven
- Fridge/Freezer & Microwave
- Shower & Toilet
- **Roof Mount Airconditioner**
- External Awning & Shower Outlet
- Solar Panels with Inverter
- Battery Management System
- Gas Hot Water System
- **Optional Generator**
- External BBQ & Outdoor Draw Fridge
- Fresh and Grey Water Tanks
- Internal Storage & Overhead Cabinets

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One of the most essential items people cannot live without is water. Water is the source of life, not just for drinking but also to clean and wash. However, a little water saving can go a long way helping you not only to conserve but also stay a bit longer.

1. UPGRADE FAUCETS AND SHOWER HEAD

Unfortunately our motorhomes come equipped, for the most part with cheap plumbing fixtures. Either they blast the water or trickle it out with an uneven flow making temperature adjustment frustrating. Both can be very water wasteful.

A few plumbing fixture upgrades which can help reduce water consumption:

- Add water conserving aerators to kitchen and bathroom faucets
- Install a water saving shower head for less water consumption
- Install ¼ turn shower faucets

2. UPGRADE THE WATER PUMP

Your motorhome might come with a generic brand water pump. Upgrade it to a better one which distributes water pressure when the taps are only par tially turned on. This makes it easier to shower and rinse dishes using a lower flow.

3. USE PAPER TOWELS FOR MUCKY DISHES

Who doesn't love to cook? But many dishes like pasta, soups, chili, roasted meats, etc. can make quite a mess. Before washing the plates, pots and pans, use paper towels to wipe off the bulk of the leftover food debris. This saves a fair amount of rinse water and keeps excess food particles out of the grey water, reducing odors.

4. SAVE INITIAL COLD WATER FLOW

When first running a hot water tap, capture and save the initial flow of cold water that comes out. This water can then be used in a pitcher, tub or spray bottle as rinse water for your dishes or saved up and poured back into the fresh water tank.

5. SAVE SUDSY DISH WATER

Try doing dishes once a day and save a good portion of the soapy water in a jug beside the toilet. This soapy dish water can now be reused to flush the toilet.

6. WASH HAIR IN SINK AND SPONGE BATH

If you want to wash hair everyday, save water instead of showering by washing hair in the sink and trying to use as little shampoo as possible. This wa ter can also be captured for the toilet flushes. Have a quick sponge bath instead of showering.

7. ONLY HEAT HOT WATER TANK TO YOUR PREFERRED SHOWER TEMPERATURE

A significant amount of water is wasted in the shower, mixing cold and hot to get the right temperature. A trick to use is to only heat the water to the preferred temperature instead of maximum. It will take a bit of trial and error to get it right. Once done, then only the hot water tap is required to shower. Turn on the tap and capture the initial cold water in a jug. Once it runs warm turn off. Now just turn the tap on and off as needed to wash up and the water (since it's not mixing) will remain a consistent temperature.

Figuring out when the water heater has reached the desired temperature can be done using an Infrared red temperature gun or a thermometer probe placed against the metal part of the tank.

Torsus Praetorian 4WD Motorhome*

* Torsus is built in Slovakia and has not yet been launched in Australia as of March 2021



• Walkthrough Layout with Slideout Option

- Motorhome Windows & Doors
- Front Lounge & Double Bed
- Kitchen with Sink, Burner & Oven
- Fridge/Freezer & Microwave
- Shower & Toilet
- Roof Mount Airconditioner
- External Awning & Shower Outlet
- Solar Panels with Inverter
- Battery Management System
- Gas Hot Water System, Generator
- External BBQ & Outdoor Draw Fridge
- Fresh and Grey Water Tanks
- Internal Storage & Overhead Cabinets

The above internal fitout is only a recommendation. Bus 4x4 does not build internal fitouts which are supplied or built by contractors. The Torsus® Praetorian Overlander 4WD motorhome is a top performer ready to take you off-road and into tough terrain. Its rugged, durable build and advanced off-road capability power you over rocks, sand and snow.

Vehicle Specifications

Engine

6 Cyl Intercooled 6.9L Turbo Diesel

MAN Original 4x4 Drivetrain

Vehicle Advantages:

- 6 Cylinder Intercooled 6.9L Turbo Diesel Engine generating 213kW and 925Nm of torque
- Factory High & Low Range 4x4
- Single Body Full walk-through motorhome space
- Rugged Protection, both Interior & Exterior
- The Ultimate Motorhome





Buying a campervan or motorhome is one of the major decisions in your life. The below questions may help you make the right choice - and get the right campervan or motorhome for you.

The Vehicle

Do you want to buy new or used?
 Buying new or used depends on your budget. With a new vehicle you are covered

by the manufacturer warranty which is not the case with used vehicles. However, a used vehicle which has been mantained or serviced regularly can also be a better option over a new vehicle.

- Do you like petrol or diesel?
 Depending on the maintenance and servicing.
- Do you have the appropriate licence?

 Most of our vehicles require a Light Rigid Licence so you need to upgrade if you do not have the required licence to drive one.

The Layout

• Get the balance RIGHT

Campervans and motorhomes come in all shapes, sizes and internal layouts. Choose a layout that fits your lifestyle. You might want a large kitchen space compared to someone else, so the size, position and layout of the internal fitout is very important to avoid fatigue.

Ensure it has enough room

You will be living in your campervan or motorhome so check that it has enough space for the people it will transport. If you want to stand inside, check the internal height as well as the length and width of the bed. Always check space for storage as it is often overlooked for all the items you will take with you.

Have a wish list

Always start with a wish list on what is required and essential. Remember it's not a house, so stick to inclusions that are essential and not what you would like to have.

Stick to the budget

It is easy to be sold on all the optional extras, but stick to the budget so you have adequate funds for your travels.





The simple fact of a trip is it costs money. However, how much money depends on you. You can travel long distances in one day driving fast to cover as much ground as possible. Or you can average a few hundred kilometres a week taking in the scenery at your own pace. Whatever your type of travel, here are some tips to save you money.

PLAN A BUDGET

It might seem tempting to take off on a whim, but always plan a budget for your trips.

Work your costs around the places you plan to visit, time to spend there, local attractions, etc.

Ditch the credit card and use cash as much as possible to stick to the budget.

VEHICLE

Your vehicle is a major cost factor. Diesel powered vehicles are the preferred choice as they give you

better mileage loaded up and save you thousands in the long run. Check tyre pressure periodically and

when switching between off-road and bitumen. Minimise wind resistance for over-head racks by adding a wind foil. Fit a long range fuel tank if you are going long trips to remote areas, you save on buying costly fuel regularly.

• DRIVE TO SAVE

Optimise your driving. Maintaining a steady speed around 85-90kms per hour can save you fuel money in the long run. It also keeps you relaxed and stress free



during travel. Minimise air-conditioning wherever possible to avoid extra load on the engine and thereby avoiding extra fuel consumption.

EAT WISELY

Food is one of the major costs in travel. Prepare food and drinks before travelling each day to avoid paying exorbitant costs at restaurants. Pick up food items from supermarkets or carry a freezer to store veggies, meat and dairy items. Make your own damper loaf to save money on expensive bread in remote areas.

• FREE CAMP WHEREVER POSSIBLE

This is the third major cost in your trip. Research and plan to free camp as much as possible. Use roadside stops. Search for free and low cost camping sites. Talk to fellow travellers and keep a log book of recommended sites. Try to find a campsite as early as possible and leave the place clean.

USE PUBLIC COMMUNICATION



Use free Wifi wherever available at to connect to the internet. Unless critical, limit yourself to emails and chats. As far as possible try to carry pre-paid mobile cards.

TRAVEL LONGER

Travel short trips rather than driving long distances in a day. This will be more enjoyable and relaxing as well as save on running costs.





The short answer is, you don't. Australian roads are well maintained and we know many people who have never left the bitumen in their travels. However, would you rather drive a 4WD vehicle which easily switches for off-road or be limited to the bitumen and miss the spectacular sunset over the hill or free camp by the creek?

Below are a few advantages of our 4WD Motorhomes you will not get elsewhere.

GROUND CLEARANCE

All our 4WD motorhomes have ample ground clearance. The Bus 4x4 AWD conversion of Hiace has 180mm and the Bus 4x4 AWD conversion of Coaster has 215mm clearance. This added height gives you a good



advantage over obstacles and they can take you almost anywhere.

COMFORT OVER SIZE

Most of the converted 4WD motorhomes are large, bulky and lack comfort. We build single-body walkthrough motorhomes so you don't have to step outside to get into the driver's seat.

A MOTORHOME FOR EVERYONE

We have Australia's largest range of 4WD Motorhome Conversions. From the compact Hiace to the popular Coaster or the large Torsus, we have a 4x4 motorhome for everyone.



SUPER SINGLE TYRES

Rear single wheels are preferable to dual tyres. We offer optional super single tyres. Super single tyres minimise the risk of the outer tyre getting seriously overloaded or stones trapped between the facing tyre side walls. With rear dual tyres, it is also difficult to access inner tyre valves in sand.

CUSTOMISATION DURING BUILD

We work with you during the motorhome body



build to customise your motorhome with snorkel fitted bull bars, slide-outs, tow bars, rear ramps or brush bars.

• FLEXIBILITY WITH THE LAYOUT

Although we don't build internal fitouts, we design the full layout at the beginning including the interior plan so you have the freedom to either choose one of our fitout contractors or build it yourself and save money.



At 4x4 Motorhomes Australia, we are serious about your outback dream. Our motorhomes are built as a single body with an easy walk through layout so you feel at home.

Whether you want to travel the Snowy Mountains, the Kimberleys, Kakadu, Fraser Island, the Red Centre, Cape York, the Savannah Way or the Flinders Ranges, we have the perfect off-road campervan or motorhome to live your outback dream.



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Note: Information contained in the e-book is subject to changes without prior notice