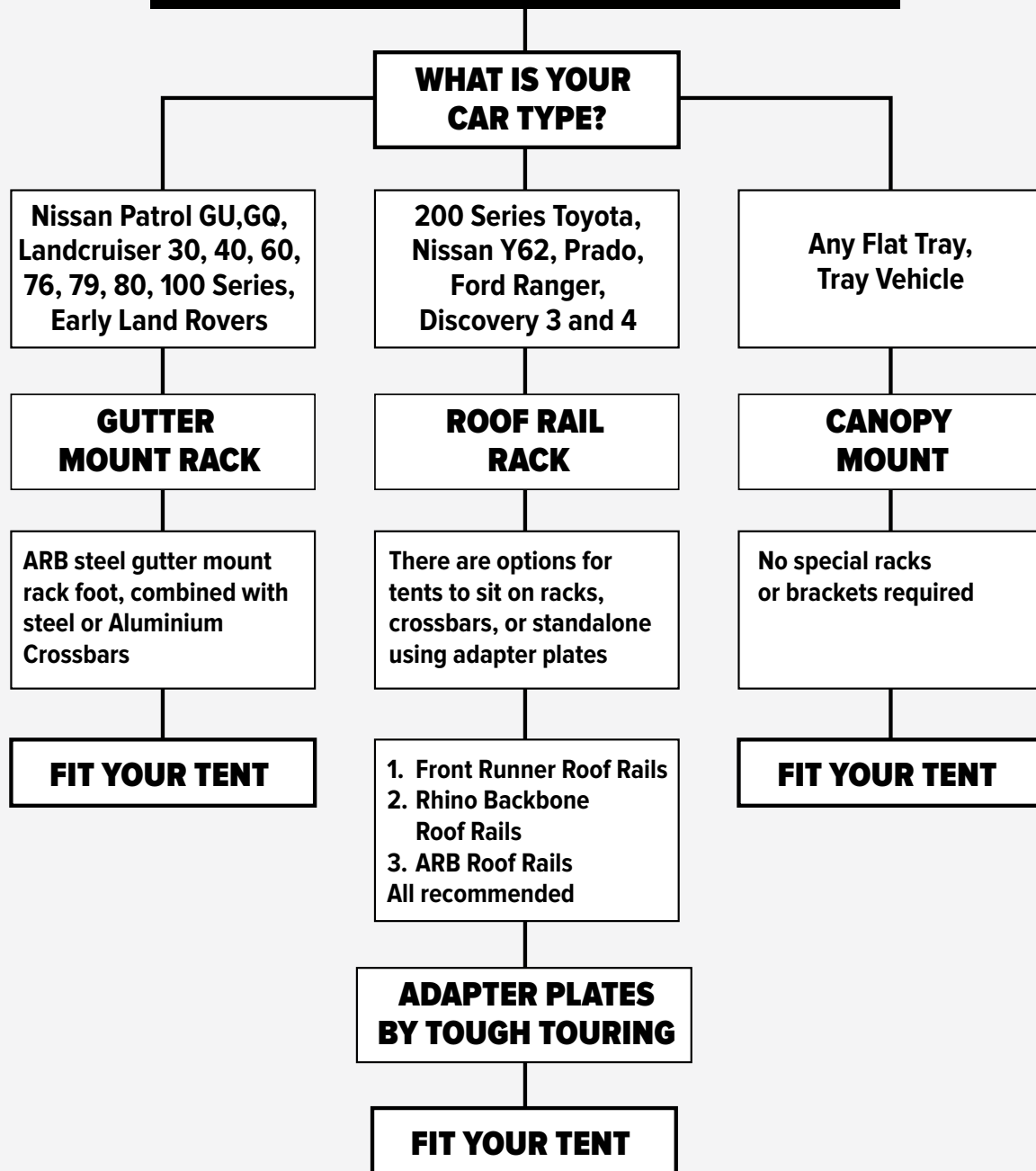


UNDERSTANDING YOUR VEHICLE'S ROOF LOAD

What roof rack mount does my vehicle have?



UNDERSTANDING YOUR VEHICLE'S ROOF LOAD

Tough Touring supplies and installs only the toughest, most reliable gear we can find. If we can't find it – we make it.

At present, we fit roof top tents in a variety of ways dependent on the vehicle and the tent chosen. The types of installation kits used can be worked out by determining the mounting surface on the roof of the vehicle. The first thing you need to do is identify your vehicle roof type. Is it a gutter mount rack or is it a roof rail rack, a canopy mount or do you not know?

GUTTER MOUNT

For gutter mount vehicles (common examples being Nissan Patrol GU, GQ, Landcruiser 30,40,60,76,79 , 80,100 series, Early Land Rovers etc).

We usually recommend fitting an ARB steel gutter mount rack foot, combined with steel or Aluminium Crossbars.

The tents are then mounted directly to the roof bars via through bolting or nut-serts. (captive bolts). Tough Touring supplies pre-powder coated black steel roof bars at \$80 each (price includes end caps).

A typical Roof bar kit will consist of:

- 3 x Tough Touring crossbars in black steel
- 3 Pairs of ARB rack feet
- Kit pricing is \$610 + Delivery as at May 2020.

The kit needs mounting holes to be drilled into the crossbars according to the vehicle's roof/ gutter arrangement, and then rack feet assembled and fitted to the bars. Assembly time will require you to drill approximately 24 x 9mm holes in steel, then bolt it all together and fit the rack to your vehicle roof yourself.

Allow up to 4 hours assembly and fitting time.

ROOF RAIL MOUNT

For Roof Rail mount vehicles (common examples include the 200 series Toyota, Nissan Y62, Prado, Ford Ranger, Discovery 3 and 4 etc). We recommend and fit Front Runner roof rail products. If your vehicle is fitted with a roof rail kit by Rhino Rack or ARB suppliers, these are both great options as well. Please note we are not direct suppliers of these brands.

Front Runner roof rails are held in stock. Pricing varies from about \$350 to \$550 depending on vehicle/part required. For some tent types – 5 Steel or Aluminium crossbars (\$80 each) are added in lieu of the flat touring rack to keep weight and cost down.

In other circumstances, some customers prefer to also have a flat touring rack installed to allow multi-purpose use, ie: tent can be fitted in a way to make it easily removable, leaving the rack on the vehicle. Awnings are then also typically mounted to the rack rather than to the tent.

TOUGH TOURING RAIL MOUNT ADAPTER PLATES

At present, there is no mounting system common to all brands of roof top tents, so usually some customisation is required to fit them to your rack. In some cases we can use Adapter plates to pick up the given bolt positions on the roof rail system and adapt them to suit the mounting bolt positions on the tent (Rhino and Front Runner Rails to The Bush Company Tents).

At present, this is our only volume-manufactured adaptor – it makes installing a Bush Company tent onto a roof rail mounted vehicle, a bolt-on job with no drilling required. The roof rack is no longer required either as the tents are load bearing – all in all, the installation is far superior to just bolting the tent to your rack as you get rid of the rack itself (and its weight) as well as getting the tent much lower and closer to the vehicle roof - low looks cool! It also improves the overall handling of the vehicle.

This adapter kit only fits the following:

The Bush Company Alpha, The Bush Company Black Series to Front Runner or Rhino Backbone Roof Rails.

CANOPY MOUNT

Canopy mounts are the easiest for us. We get a great flat level-mounting surface that is already as low as possible.

Every install is totally customised, typically tents will be installed by through drilling and fixing off with through bolts or nut-serts (captive bolts).