

4X4 EQUIPPED



COMPANY OVERVIEW



Back in the 70's when 4WD's were few and far between, three adventure seeking mates got their 'off road thrill' with customised FJ40s, F100s & Rovers. Each fitted with custom made bull bars, roll bars and sand tyres – they drew the attention of friends and bystanders. Before long, Lloyd Taylor, Cliff Jones and Steve Mollenhauer were making hand-made custom bars for a growing number of fans. As the demand continued to grow, they decided it was time to get serious.

In 1973, with little more than their combined initials, shared passion and appreciation for quality products - TJM was founded and the rest is history. They were pioneers and TJM became the first company in Australia to manufacture and distribute quality 4WD equipment.

Our product range has extensively grown to include steel and alloy Bull Bars, Nudge Bars, Side and Rear Protection Bars, Side Steps, TJM Recovery Equipment, TJM Winches, TJM & Aeroklas Canopies, TJM XGS Suspension, Airtec Snorkels, TJM Pro Lockers, TJM Dual Battery Systems, Black Widow by TJM Drawer Systems and TJM Roof Top Tents & Awnings.

While TJM has grown to be a sophisticated operation, we have never forgotten the key elements that resulted in the formation of the brand.



TRUST
from the quality of manufacturing

PRIDE
in our innovative designs

ADVENTURE
heading out from suburbia and experiencing the wonders of our
unique and breathtaking country

TESTED. TRIED. PROVEN.

There's everything you'd expect to find in a world leading R&D Department - engineers in blue overalls crawling over vehicles of every make and size, probing, planning and scanning with the very latest digital technology.

There are the gleaming next generation prototypes, lined up in our expansive workshop amongst the sparks and screens, whilst other innovative designs are being fine tuned and put through their paces.

Then there's something you can't actually see in TJM's R&D workshop - a pathological determination to create, build and test the best 4WD equipment on the planet. Much of which, although painstakingly researched, is subject to torturous trial and testing, resulting sometimes in a challenge, but ultimately, success.

Our R&D guys are just as nutty about 4WD driving as they are about 4WD accessories and have covered just about every piece of scary dirt imaginable.

It's this constant striving to evolve, test and improve the 4WD accessory product that lies at the heart of the TJM R&D team.

The commitment and success of our R&D Department is fundamental to our business and has been built on for nearly 40 years.

We plan for it to keep building, but then again what would you expect from a team of fanatical 4WD drivers?





TJM = CUTTING EDGE

Located at Geebung, north of Brisbane, TJM's manufacturing facility is the heartbeat for its research and development. Encompassing 5000 square metres of floor space, more than 90 staff and several million dollars worth of equipment, TJM has all the resources it needs to produce award-winning equipment.

Not surprisingly, with its diverse terrain, the Aussie 4WD industry as a whole has grown in recent years

to become one of the strongest in the world. When it comes to researching and developing the latest and greatest, TJM refuses to rest on its laurels, which is why TJM is a global trendsetter. The world is watching TJM's next move.

SQUARE PEGS DON'T FIT IN ROUND HOLES

At TJM, we understand there's no such thing as "one-fits-all" for 4WD accessories. After all, that's why TJM exists. The whole point of

modifying your 4WD is so you can get exactly what you want, or at least, ensure your vehicle is better than your mate's. At TJM, our R&D Department is already hard at work designing and creating your next year's Wish List well before you've even had the chance to think about writing your letter to Santa... but, how do we do it?

PROCESS

The best ideas aren't always the ones you have sitting at a desk

wearing a suit and tie. All TJM engineers are 4WD enthusiasts, so our ideas come from a mixture of real-life experience, inspiration from our natural environment, market demand and high-tech design software. Whilst many of our ideas are spontaneous and born from our own 4WDing experience, at TJM we have a formal process to ensure we're always at the top of our game.





COMPONENT SCANNING

“Component scanning” is one of the greatest tools new technology has provided. This technology allows TJM designers to generate accurate images of both accessories and the vehicles for which they are designed. The scanning process allows designers to build a virtual model of the vehicle focusing on the main mounting points utilised by the accessories. It can take up to two to three days to scan a vehicle, just working on the areas for external body protection. The main areas that are scanned depend on what the expected range of accessories will be. In most cases the chassis rails, A-pillars, and front, side and rear panels are scanned, along with differentials and suspension components.

Component scanning is a two-stage process involving probing and profile scanning.

Probing: As it implies, probing is the “information gathering” stage, where the probe measures and records key points, arches and surfaces. From a series of

dots, a whole picture emerges, but these original probing points are used as reference locations to determine clearance measurements and suitable areas for positioning mounting holes.

Profile scanning: Following the probing stage, profile scanning begins. During this process, components are lightly sprayed with a powder-like coating that provides the laser scanner with a consistent surface from which to read. TJM’s engineers then use a laser scan gun to scan the entire object. At this point, the object is transformed in real time into a 3D image, which appears on a laptop screen.

PROOF IS IN THE TESTING

Given TJM’s renowned reliability, it’s not surprising that its testing processes are among the world’s most stringent when it comes to 4WD accessories. TJM’s R&D team test each accessory item

across three environments: virtual, workshop and in-situ. Through this three-fold process TJM identifies possible limitations that may never occur during an accessory’s lifespan. The end result is reliable equipment that lasts. Virtual testing uses 3D graphics and mathematical equations to conduct peak-load tests to identify critical points of strength or weakness. It’s a much more environmentally friendly and cost-effective mode of testing than real-life testing as equipment is not destroyed.

Once virtual models are approved, TJM then begins the fabrication

process. After that the equipment is trial-fitted to the vehicle, further tested in the workshop and in the real-world environment for which it has been designed. Aussie terrain is one of the world’s toughest, so it provides the ideal testing ground for TJM accessories.

Comprehensive in-situ testing can expose potential weaknesses in the mounting location of the actual accessory. In these cases, TJM redesigns mounting kits to improve strength and durability. For example, a bull bar mounting kit may be altered to accept more of the chassis rail to more evenly distribute the load.



**WANT TO SEE THE TJM FORD RANGER BEING LIFTED?
SCAN THE QR CODE TO THE RIGHT
TO WATCH THE VIDEO**



IF YOU'RE TALKING SERIOUS BULL BARS, YOU'RE TALKING TJM BULL BARS

Not only are TJM bars great looking, they'll protect you in a sudden encounter with a roo, prevent you becoming immobilised and give secure mounting points for winches, lights and aerials.

TJM bars are designed and tested by TJM engineers to ensure greater safety and strength and a perfect fit for your vehicle, in steel or alloy.

A TJM light weight alloy bull bar may suit the town dweller or tradie, while heavy-duty steel will suit the serious off-roaders or a bloke on the land.

All our designs are tested by independent authorities to qualify under the stringent Australian Safety Standards and SRS air bag compatibility.

The use of laser scanning equipment and 3D design software keeps TJM at the forefront of prototype development, helping to also make a range of side bars, rear bars and nudge bars with equal care and attention to detail.





SIGNATURE

The Signature bar shape is signified by a strong centre loop, accompanied by two refined side loops protecting the headlights. This bar is light weight, strong and looks the part too. Adding guaranteed class to your four wheel drive, the TJM Signature bar is sure to make others green with envy.



OUTBACK

The most popular design in our front protection range is undoubtedly the TJM Outback bar and it's available now for your Ford Everest. Our TJM engineers spent countless hours perfecting the Outback design to ensure you're equipped with one of the finest bull bars available in the market. TJM bull bars are put through a comprehensive design criteria and testing process to ensure that all TJM bars are airbag compatible and ADR compliant. So if you're after a stylish bar with optimum performance - you can't go past the TJM Outback bar.



EXPLORER & FRONTIER

The Explorer bar is fitted with a strong steel channel and a single polished alloy or steel loop over the grille, whereas the Frontier bar utilises the same strong channel but without the centre loop. This style adds a smart finish to any vehicle as well as ensuring peace of mind for the safety of the vehicle and its occupants in the event of an animal strike.



TRADESMAN

If you're after a tough bar that is strong, safe and durable – the TJM Tradesman bar is the answer. Built with the same unprecedented engineering technology as its deluxe variant, the steel fleet bar provides top notch protection, without the extra channel folds and built-in fog lights which can be deemed unnecessary in the working environment.

Equipped with dual heavy duty aerial mounts, reinforced T-Slot recovery points, winch provision and air bag compatibility, the Tradesman is clearly tough enough for any job.



THE ULTIMATE IN REAR END PROTECTION AND OFFROAD APPEAL

It's when approaching and departing rises in the terrain, that the rear of your vehicle is susceptible to heavy bumps and damage. To offer the best possible protection to counter this, TJM's RB6 rear step tow bar is manufactured from strong 50-63mmØ steel tube, and chassis mounted for strength, providing your vehicle's rear panels with solid protection.

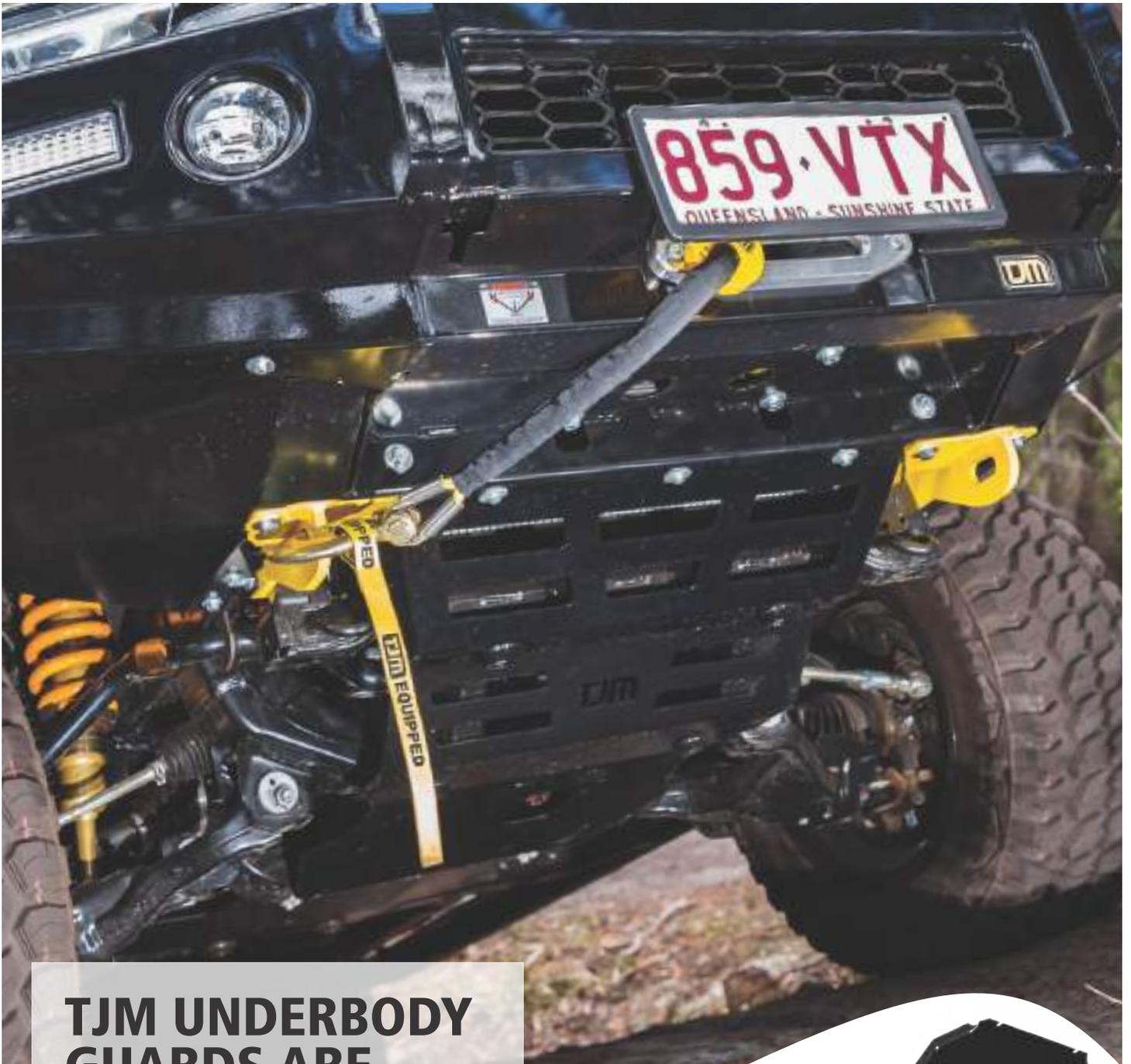
Durable and lightweight checker plate steps provide easy access to the rear of the vehicle, and the Class 4 heavy duty ADR62 certified towbar comes standard and is rated to the vehicle's towing capacity.



TJM's rear step tow bar features innovative styling that not only complements the vehicle but hosts an array of features. Reinforced T-slot recovery jack points are standard on every TJM rear bar as well as parking sensor accommodation. Later model TJM rear bars also provide for 7 pin and 12 pin trailer connectors and a 50A Anderson plug mount.

Every TJM rear bar features an ADR62 certified Class 4 heavy duty towbar which is tested to the vehicle's maximum towbar capacity and tow ball down load.

The ability to add optional 8000kg rated recovery points is also available.



TJM UNDERBODY GUARDS ARE CAREFULLY ENGINEERED FOR ABSOLUTE MAXIMUM STRENGTH

Although the underbody components of your vehicle may be classed as 'out of sight, out of mind', they certainly cannot be overlooked when heading off road. A simple collision with a tree stump or rock could cause significant (and expensive) damage to the steering, engine sump or transmission. Investing in a TJM Underbody Guard may make the difference between getting your vehicle home undamaged, or lying busted out on the track.



Having designed quality underbody guards for over 15 years, TJM certainly know what's best. All our underbody guards are made from 3mm steel and finished with superior electro coating for ultimate performance and durability. Specially designed, pressed and folded to supply the optimum strength and protection, you can be sure the TJM Front Underbody Guard, Transmission Guard and Sump Guard range will take the brunt of any hazard, ensuring the vital components of your vehicle are out of the firing line.

A STEP ABOVE THE REST

TJM's 63mmØ air bag compatible (ABC) side bars and steps protect your vehicle's arches, sills & lower panels from rocks and road debris. An extensive engineering development and testing program was undertaken to ensure optimal performance for off road driving and user operation while still providing maximum vehicle safety compliance.

In the event of a side impact accident, the unique design of the TJM ABC side step mounts provide a crumple zone that stops the vehicle from deploying air bags unnecessarily. Unnecessary deployment of air bags can cause injury and significant repair costs for the end user. TJM ensures the safety of the end user by engineering accessories in compliance with vehicle OE safety systems.

TJM modular side bars and steps offer excellent wheel arch, flare, sill and panel protection but the unique feature of these modular side bars and steps is, if you choose, you can install just the side steps and then fit the side bar kit at a later date. This unique design is only available through TJM.



STUCK ON A SLOPE OR STUCK IN THE MUD, TJM CAN PROVIDE A LOT MORE THAN SYMPATHY

Every situation is unique, and the right equipment and a well thought out plan are the key ingredients to successful vehicle recoveries. Designed by engineers and manufactured to the highest standards, TJM recovery equipment gets you out of trouble. Should you become bogged, stuck or immobile, TJM recovery gear is your backup plan to ensure you can continue your journey.

Purchasing a recovery kit is a good place to start, but ask your local TJM expert in store about additional accessories to cater for different recreational or work requirements. All TJM recovery gear is tested to the highest standards, making it dependable in emergencies.



TJM
TorqWINCH

GIVE YOUR ENGINE A BREATHER

Part of the fun and adventure of 4WD driving is the great diversity of climate and terrain that our great wide land offers.

Unfortunately, your engine doesn't quite see it as fun and adventure.

To run efficiently in these conditions, an engine needs to breathe clean, dust and moisture free air.

Enter the TJM Airtec Snorkel: designed and tested by TJM engineers to give your engine cooler, cleaner air.

A TJM snorkel is made from the strongest, colour fast UV polymer material and is specifically engineered and designed to fit the natural shape of your vehicle.

We're confident that your local TJM distributor can offer you great value on a TJM Airtec Snorkel, so you and your engine can drive away happy.



CONQUER BOULDERS, RUTS & FEARS

You won't get far around here without the correct suspension fitted to your 4WD vehicle.

Corrugations, ruts, rocks and pot holes - we've got 'em all!

That's why TJM has developed innovative and trusted suspension systems that can handle the diverse and extreme Aussie conditions.

The TJM XGS systems are designed in Australia by TJM to extend the performance and capabilities of a vehicle's suspension.

Our TJM Suspension Department makes sure of this, giving your vehicle improved ride, handling, load carrying and towing capability.



GET EQUIPPED TO GRIP!

TJM Pro Lockers are tested in the rugged Australian outback. We throw everything this diverse country landscape has at them and we do it over and over in the most extreme environments found.

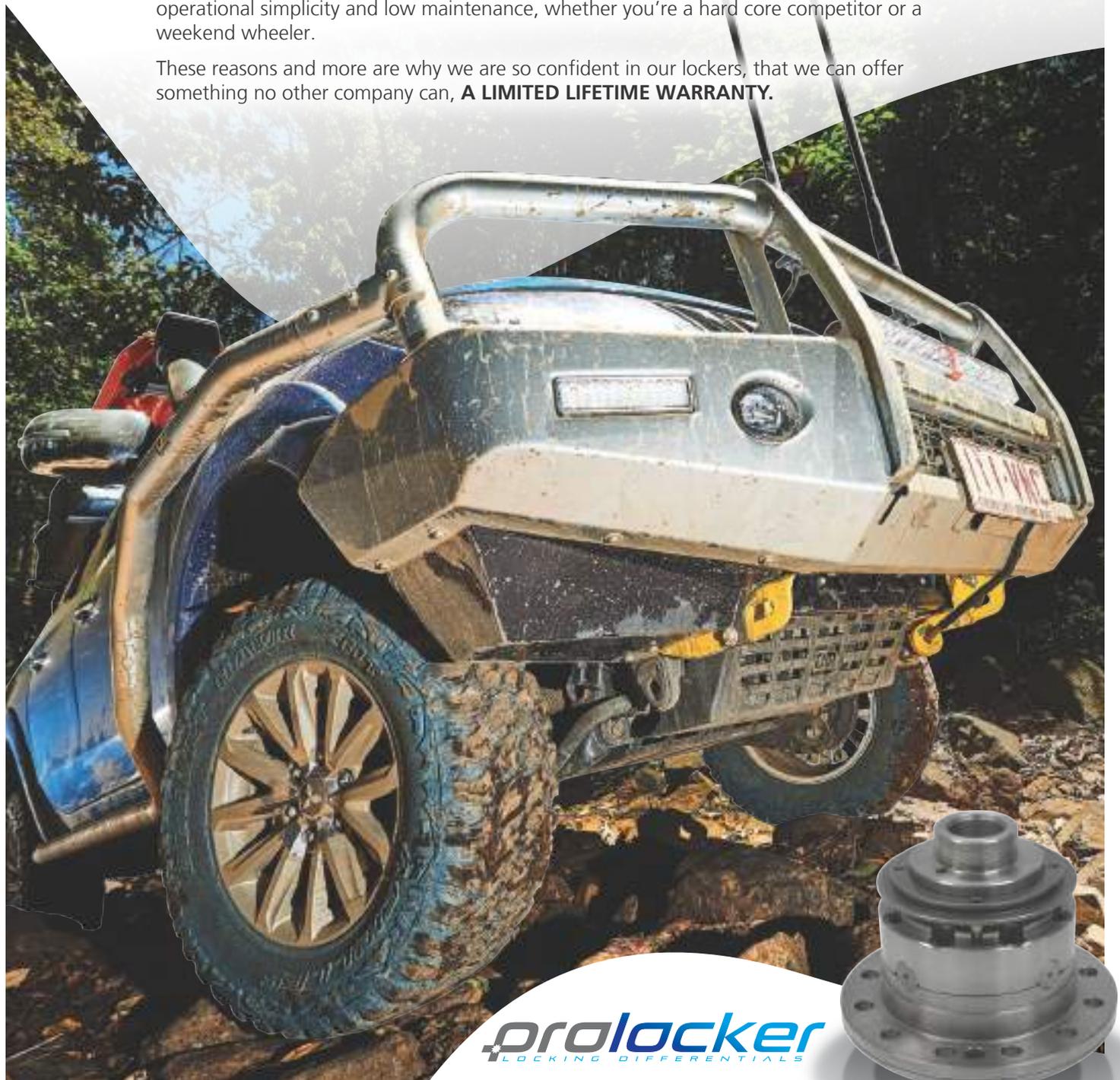
What better testing ground to continuously research and improve Pro Locker's capability?

Today, the TJM Pro Locker stands alone. With an innovative air operated differential locker that, at the flick of a cabin switch, allows you to send equal drive to both wheels, and the unique piston style actuator eliminates the risk of oil entering the airline.

The Pro Locker's incredible strength comes from its unique one piece cross shaft (instead of the usual three), hardened thrust washers, 3/8 bolts which hold the hemisphere together and larger pinion gears.

The separate pneumatic system that has no internal 'o' rings or oil seals adds to its operational simplicity and low maintenance, whether you're a hard core competitor or a weekend wheeler.

These reasons and more are why we are so confident in our lockers, that we can offer something no other company can, **A LIMITED LIFETIME WARRANTY.**



prolocker
LOCKING DIFFERENTIALS



HIGH RISE ACCOMMODATION IN ANY LOCATION

A Yulara or Boulia TJM roof top tent is always there - wherever you are.

And they're ready for a comfy night's sleep in just minutes.

You'll be nestled snugly on the 65mm built in high density foam mattress with a great view of your surroundings.

Your roof top accommodation will not only get you off the ground, it will also get you away from those annoying leaves, sticks, and sand and nocturnal creepy crawlies, that can ruin a good night's repose.

You'll also be sleeping secure as all TJM roof top tents and awnings are made from durable lightweight, waterproof poly cotton material, which, with fully screened doors and windows, allows you to get the fresh open air you've come all the way to enjoy.

There's a built-in sturdy aluminium ladder that takes you to ground level in a jiffy, where you can relax over some damper and billy tea in the shade of an optional TJM Awning.



AWNINGS

The awning is so easy to set up that you don't have to wait to go camping. It provides the ideal UV shade for sport spectating, BBQs or day trips. Available in two sizes, the shade is self-standing, height adjustable and easy to setup. Completely waterproof, the PVC coated polyester shade provides the perfect weather protection.



2.5M Awning



2.0M Awning

AEROKLAS CANOPY

Aeroklas are on the cutting edge of canopy manufacturing and development being the first company in the world to offer Engineered ABS Double Shell Canopies. Both the inner and outer shells are moulded together to bring you twice the strength and durability of a single skinned canopy. The Aeroklas Double Shell Canopy features higher impact resistance and ability to reshape after impact. Available in dual and space cab, the Aeroklas canopy is painted using OE quality paint giving it a perfect, glossy and flawless finish.



EVERYTHING ELSE IS THIN SKINNED

Aeroklas canopies feature a twin skin design. Each shell is thermoformed from a single piece of ABS with no joins or weak areas. Aeroklas ABS double shell canopy is twice the strength of any canopy on the market.

AEROKLAS

TJM CANOPY

Australia's rugged, yet diverse landscape has provided the ideal testing ground for our canopies. On or off road TJM has you covered. Using the latest engineering and manufacturing technology, TJM canopies are exposed to stringent testing and thorough quality assurance procedures to guarantee our customers receive nothing but the best.





THE TOUGH, JUST GOT TOUGHER!

Born and bred in Australia for Australian conditions, Black Widow by TJM is the new and improved range of drawer systems that have been added to the comprehensive range of TJM accessories for your 4WD.

Customised to fit your vehicle, the Black Widow by TJM drawer systems provide unrivalled accessibility and flexibility in customising your storage space. Designed to last for customers from all walks of life including tradesmen, weekend campers, tourers and many more, Black Widow by TJM provides an impressive 250 kilos of gear all at the tip of your fingers.

FROM A CAMPSITE IN THE KIMBERLEY TO A BEACH IN BINALONG BAY, TJM HAS THE COUNTRY COVERED FOR GETTING 4WD EQUIPPED

Since 1973, TJM has designed, tested and developed the most comprehensive and innovative range of 4WD equipment available in Australia today.

And our work goes on, in the toughest testing ground we know... our own backyard.

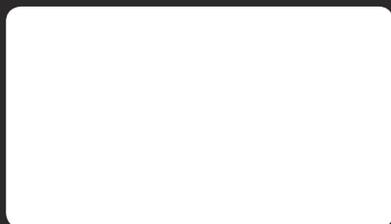
Whether you're camping or fishing, drilling or fencing, or just picking up the kids from school, get yourself TJM equipped for anything.

TJM Bull Bars, Nudge Bars, Side Bars and Steps, Alloy and Steel, engineered and refined to stringent Australian Safety Standards.

TJM Airtec Snorkels, TJM XGS Suspension, TJM Recovery Gear, TJM Winches, TJM Pro Lockers, TJM Roof Top Tents and Awnings, TJM and Aeroklas Canopies, Black Widow by TJM Drawer Systems, Dual Battery Systems and a whole lot more.

The list keeps growing like a good bush yarn, because at TJM we're always striving for new ideas that'll help and protect our customers while they enjoy their 4WD experience.

To see the complete TJM range of products visit www.tjm.com.au where you'll get a real good look at how TJM will get you equipped.



TJM Products Pty Ltd has made every effort for the information contained within this catalogue to be correct at the time of printing (AUGUST 2016). However TJM Products Pty Ltd reserve the right to alter any specifications and to alter the range of products stocked without notice. Always consult your local TJM distributor for the latest information on TJM Products and its specifications.

Visit your local TJM store and get equipped for on and off road, work or play.

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TJM
4X4 EQUIPPED

A MEMBER OF THE AEROKLAS FAMILY
AEROKLAS