

TUFF RIDE SUSPENSION



TuffRide **Off-Road Independent Suspension**

USER MANUAL **&** **SERVICE SCHEDULE**

TUFF RIDE SUSPENSION

TuffRide Suspension has been specifically designed for the harsh Aussie environment, with 1,000's of kilometres of extreme testing done. TuffRide has been torture tested to it's limits in the gruelling Australian outback, from scorching temperatures in the Desert to steep rocky Victorian High Country tracks, we can safely say TuffRides is real world tested and passed with flying colours.

TuffRide Air-Volution™ Offroad Trailing Arm Independent Suspension System is the ultimate package. Uncompromising quality, durability, comfort and capability, with the possibility to upgrade to airbag suspension at any time.

TuffRide DRS Off-Road Trailing Arm Independent Suspension is designed for comfort, longevity and off road conditions, able to take on whatever the Australian Outback can throw at it.

KTR/XTR Semi-Offroad Trailing Arm Independent Suspension is perfect for the weekender who wants to get off the blacktop and onto the dirt.

KTR/XTR Semi-Ofroad is excellent for soaking up corrugations on those dirt roads into camp.



100% Aussie Made



100% Aussie Designed



100% Aussie Tested



Australian Benchmark



3 Year/100,000KM
Warranty*



Fitted with EFS Shock
Absorbers



Australia Wide
Service Network

TuffRide Suspension - General Maintenance Guide

Servicing your TuffRide Suspension and braking correctly and regularly will ensure you keep you and your family safe and allow peace of mind while on your adventure.

Tuffride requires the below maintenance schedule to be used as a guide under normal working conditions. If extreme or abnormal usage has occurred, maintenances may be required more regularly.

Check	Required Function	Daily Checks	300 - 1,000km Service or 1 month	Every 10,000km or 12 months
Trailer Brakes	Test brakes are functioning correctly.	✓		
Tyre Pressure	Check tyre pressure is within manufactures specifications.	✓		
Wheel Nuts	Tightened to manufactures torque specifications.	✓		
Rim Inspection	Check for damage to rims.	✓		
Wheel Bearing	Check for wheel bearing play and discoloured/burnt grease.		✓	✓
Brake Adjustment	Clean and inspect for brake shoe wear.		✓	✓
Suspension Mounting Bolts	Torque to manufactures specifications.		✓	✓
Shock Absorber Mounting Bolts	Torque to manufactures specifications.		✓	✓
Shock Absorber Visual Check	Inspect for leaks and dents.		✓	✓
Suspension Bushes	Re-Grease & visually inspect for damage.		✓	✓
Wheel Alignment	Check for uneven tyre wear.		✓	✓
Bump Stop	Inspect for wear and damage.		✓	✓

TuffRide Suspension Specifications:

TuffRide Air-Volution™:

Wheel Bearings:

- Replacement Bearing Kit - TRB12J
- Replacement Inner Bearings - 25580
- Replacement Inner Cone - 25520
- Replacement Outer Bearings - 15123R
- Replacement Outer Cone - 15245R
- Replacement Seal - 33940

Torque Specifications:

- Suspension Mounting Bolts (M16) - 190Nm/140ft-lb
- Shock Absorber Mounting Bolts (M12) - 75Nm/55.3ft-lb

12" Drum Brake / TuffRide DRS:

Wheel Bearings:

- Replacement Bearing Kit - TRB12J
- Replacement Inner Bearings - 25580
- Replacement Inner Cone - 25520
- Replacement Outer Bearings - 15123R
- Replacement Outer Cone - 15245R
- Replacement Seal - 33940

Torque Specifications:

- Suspension Mounting Bolts (M16) - 190Nm/140ft-lb
- Shock Absorber Mounting Bolts (M12) - 75Nm/55.3ft-lb

10" Drum Brake / KTR / XTR:

Wheel Bearings:

- Replacement Bearing Kit - TRB10PJ
- Replacement Inner Bearings - L68149
- Replacement Inner Cone - L68110
- Replacement Outer Bearings - L68149
- Replacement Outer Cone - L68110
- Replacement Seal - 28600

TuffRide Suspension Specifications Cont:

Torque Specifications:

Suspension Mounting Bolt (M20) - 300Nm/221.3ft-lb

Shock Absorber Mounting Bolts (M12) - 75Nm/55.3ft-lb

Disc Brake:

Wheel Bearings:

Replacement Bearing Kit - TRBD12J

Replacement Inner Bearings - 25580

Replacement Inner Cone - 25520

Replacement Outer Bearings - 15123R

Replacement Outer Cone - 15245R

Replacement Seal - 82130

Torque Specifications:

Suspension Mounting Bolts (M16) - 190Nm/140ft-lb

Shock Absorber Mounting Bolts (M12) - 75Nm/55.3ft-lb

Air Bag:

Load Capacity (Per Bag):

Depending on which airbag is supplied

Minimum - 300KG

Maximum - 1500KG

Depending on which airbag is supplied

Pressure (Per Bag):

Minimum - 5PSI / 34.5KPA

Maximum - 100PSI / 690KPA

Shock Absorber:

EFS Enforcer:

3 Year/100,000km warranty

EFS Elite:

3 Year/100,000km warranty

All spare parts are available from TuffRide Pty Ltd.

www.TUFFRIDE.com.au/parts

info@TuffRide.com.au

(03) 9351 1085



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TuffRide Pty Ltd recommends that at a minimum you service your suspension at regular intervals as described (ref: page 2).

Date: KM: Authorised Service Agent: Phone:.....	Date: KM: Authorised Service Agent: Phone:.....	Date: KM: Authorised Service Agent: Phone:.....
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Warranty:

TuffRide Suspension carries a 12 Month warranty on all parts and workmanship including the swing arm bushes. This excludes consumable parts such as brake pads/shoes.

*Extended 2 year (3 years/100,00km total) warranty is available when you register your TuffRide Suspension with us.

To do this please go to:

www.TuffRide.com.au/resigstration

Alternatively, please call or email TuffRide and we will register your suspension for you.

(03) 9351 1085

info@tuffride.com.au

-Warranty is non transferable.

When applying for any warranty claim, you must provide TuffRide with the up-to-date service history of the caravan/trailer that has been filled out by an accredited caravan/trailer service centre, as per the attached service schedule. If this service schedule has not been filled out, TuffRide reserves the right to void the warranty of the caravan/trailer suspension.

For all warranty related issues or questions, please contact TuffRide at:

info@TuffRide.com.au

(03) 9351 1085

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For more information, please visit:

www.TUFFRIDE.com.au

info@TuffRide.com.au

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