



# Instructions

Congratulations on investing in our quality Thor products for your vehicle. Our tried and tested air suspension kits are designed for our harsh Australian conditions to make your driving experience an enjoyable one.

We provide a wide range of products, check out our website.

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This Thor Air Suspension product has been designed to assist the original manufacturers suspension. This product is not meant to carry the entire rated load, it is NOT a GVM Upgrade, only an assist. It is not recommended that any changes be made to the Manufacturers' suspension unless an aftermarket commercially available suspension kit is fitted. This product is intended to suit a standard vehicle only, any modifications to the vehicle outside this products parameters for example, larger wheels/tyres or exhaust/shock absorber changes, may adversely affect both operation and fitment. Thor Air Suspension recommends that only a qualified person installs this product. If you are not qualified and attempt to carry out the installation, please ensure all safety equipment is used and adhere to all safety standards.

## Installation Guide

<b>Step 1</b>	Ensure you have the correct Thor Load Assist Kit for your vehicle. Ensure you have read the full product installation instruction guide before continuing. <b>Please note:</b> Thor Air Suspension are not liable for installation costs, nor are we liable for installation costs on warranty items. We strongly recommend checking the products for any defects or leaks before installation and ensure you have the correct parts for your specific application.
<b>Step 2</b>	Ensure you secure your vehicle in a safe manner as per the OEM manual. Once this is safely done, start by removing the bump stop.
<b>Step 3</b>	Assemble the bellow and brackets together on a bench before fitting into the vehicle. There is no need for sealant but you can spray some WD40 on the bellow sealing surface to help the rubber squash onto the bracket face. <b>**DO NOT USE SEALANT OR RUBBER GREASE**</b>
<b>Step 4</b>	PLEASE NOTE:- BELLOW RING CAN BE ROTATED ON THE BELLOW TO ALIGN BRACKETS It may be necessary to rotate the ring in order to align the top and bottom brackets. It is best to do one bracket up finger tight, and use the bracket to turn the ring on the bellow. You need to do a dry fit first to align the brackets to the axle and chassis.
<b>Step 5</b>	Now proceed to do up the bag bolts evenly by tightening bolts opposite one another, to squash the rubber bellow onto the bracket face evenly. Making sure to tighten alternating bolts on opposite sides to ensure a perfect seal.
<b>Step 6</b>	Install top bracket as per vehicle specific supplied instructions.
<b>Step 7</b>	Loosen leaf spring U-Bolts and slide bottom bracket under, and re-tension U-Bolt.
<b>Step 8</b>	Do NOT ever exceed your vehicles factory GVM. Ensure all weight is situated over your vehicles rear axle or forward of it. Do NOT inflate the bellow above 150psi without contacting the manufacturer.

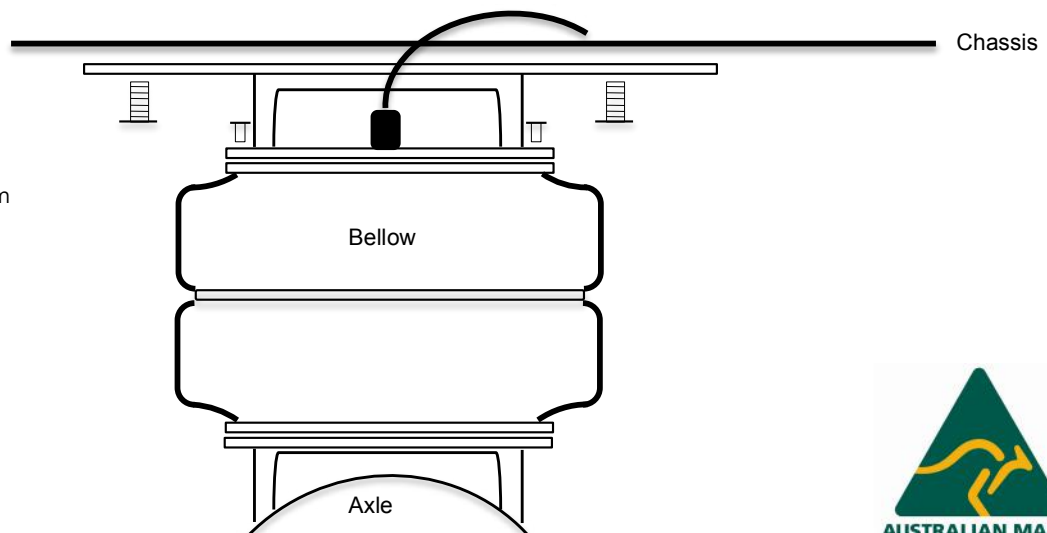
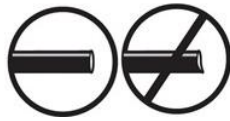
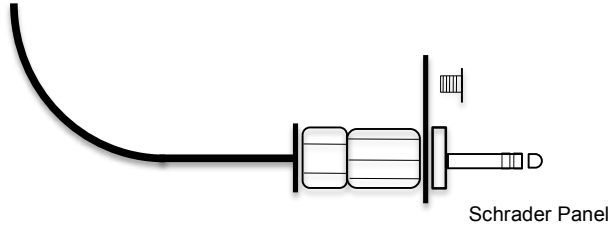


Fig 1. Example diagram



## Air Fittings Instructions

Step 1	If your air fittings have not already been installed by manufacturer, please use supplied tube of Cyberbond SM40 hydraulic sealant on threads before installation.
Step 2	Ensure airline is cut straight with a new Stanley knife or Thor Tube Cutter, being careful not to cut yourself during this operation, and being careful not to squash the airline as you cut. 
Step 3	Push the airline firmly into the air fitting. Pull back on the airline slightly to activate the seals.
Step 4	Choose an easily accessible location to mount the Schrader valves. This can be done using the supplied stainless steel panel and self tapping screws, or by drilling an 8mm hole in a suitable panel and bolting the Schrader valve in directly. 
Step 5	Inflate air bags to 80~100psi to check for leaks using soapy water. Then reduce air pressure in bellows to preferred pressure between 0~40psi
Step 6	If a leak is found, pull on airline and rotate until leak stops.
Step 7	If leak persists, check airline for damage and rectify or straighten airline out of fitting.
Step 8	Affix supplied Product Label to inside drivers' door jamb.
Step 9	Be sure to check all fittings for tightness after first use under load, and thereafter as per the manufacturers recommendations.

## Helpful Hints/Trouble Shooting

Do not over tighten bolts on the bellow rings. There may be a slight gap between the aluminium ring and the 6mm steel bracket. This is perfectly normal in some instances.

Be sure to tighten bellow bolts evenly on opposite sides from each bolt. This will help get an even seal all the way around the bellow.

It is common for the sealing surface of the bellow to be uneven, this unevenness occurs when installing the rings on the bellow. When the brackets are tightened in the installation process, any high or low spots on the rubber bellow are eliminated.

When assembled, initially inflate the bellow to 80~100psi before installing. This will help the bellow 'seat' correctly, and will help you find any leaks that may exist around the fittings. Now is a good time to perform a leak test before your installation.

Once satisfied that there are no leaks, reduce the pressure to 'normal' before using. (Normal - varies depending on the vehicle/load etc. Only inflate bellows enough to level vehicle when loaded).

**Please note:- Incorrect use of this Thor Load Assist product can result in damage to the airbag and/or the vehicle which is not covered under warranty. Please ensure airbags are at stated recommended pressure at all times and never exceed maximum pressure.**



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