

WHY NOLATHANE YOUR CAR

Whether you intend to build a Street Machine, Fast 4, go bush or simply drive to work, suspension bushes are the link between your vehicle and it's springs, struts and shock absorbers. Suspension bushes provide the movement and/or mounting points in your vehicle's suspension system.

Original rubber suspension bushes are compressed or chemically bonded to the suspension components in which they are installed. In the case of a metallastic (steel cased) bush, the rubber is compressed at the time of manufacture and chemically bonded to the metal centre sleeve and outer steel shell. The rubber bush is normally press-fitted into the suspension component such as a control arm, then bolted to the chassis. In this way, the capacity for suspension movement or rotation is restricted. The rubber suspension bush design requires delicate compromise, as it must be soft enough to permit sufficient rotational movement whilst maintaining alignment settings.

Unlike rubber, Nolathane polyurethane suspension bushes are not bonded by compression. Nolathane bushes are mechanically fitted with minimal crush of the urethane material, and the centre pin is lubricated so the component freely pivots without restriction. Combined with Nolathane's ability to maintain the bush shape, this free pivoting provides sharper handling response and greatly increased suspension control.

Technical developments in suspension design have provided many of today's vehicles much improved on-road handling. Using Nolathane suspension bushes ensures there is no weakness in the suspension and therefore maintains steering control.

Nolathane bushes bring the following improvements to your suspension:

- Outstanding abrasion resistance
- High load bearing capability (4WD's, utes and towing)
- Flexibility
- Increased tensile strength
- Chemical resistance to oil, grease, ozone and weathering.
- Alignment correction via adjustable bushes

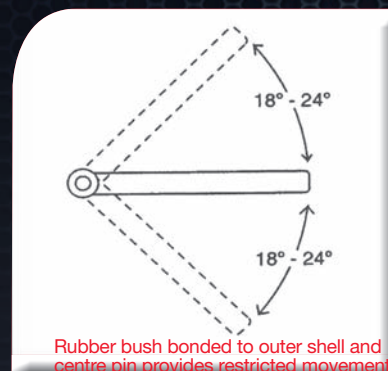
THE RESULT:

- Enhanced road holding, steering and performance
- Less change in suspension geometry under load, braking and through corners
- Longer suspension life and less repair time
- Longer tyre life

Nolathane was originally designed to replace brass bushings in vehicles competing in hillclimb events. Therefore the early formulation was very hard, as it was designed to replace brass, not rubber. Whilst it was great for competition use it was too harsh for normal street use.

Over the years, just like vehicle and suspension system designs, things have changed. Today Nolathane is manufactured in various durometers (grades of softness / hardness), with the correct durometer selected for each application. Today's Nolathane formulations have higher resistance to tear, abrasion and compression whilst being softer than the original formulations!

Nolathane®





If assistance is required, please call... Monday to Friday Australian EST 8.00am – 5.00pm

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Part number 44021&44021P are manufactured under licence by the Proprietor of Patent number 656009 Redranger Pty Ltd patents pending on part numbers 45146X & 45342X

All care has been exercised in the research and production of this manual. Due to vehicle production changes and supersession, no responsibility is accepted by Redranger Pty Ltd for any inaccuracies of any information contained herein. Manufacturers' names appearing in this manual are used for identification purposes only and do not imply that these goods are made by, for or carry a guarantee by the manufacturers.

HOW TO READ THIS CATALOGUE

Please read below for instructions of how to read this catalogue.

WANT IT TO HANDLE?							
APPLICATION LISTING							
F / R	Description	Nolathane Part #	Kits Req	Bushes in Pack	Key Service	Alignment	Release Date
							Ref Page VEH Kit
							Notes
NISSAN COMMERCIAL Cont							
XFN Ute							
1984-91 6cyl							
F	Vehicle Enhancement Kit - front	EVOFORD6F	1				
F	Camber adj bolts - 9/16"	44201	1	2	*		27
F	Control arm - lower inner	45002	1	2			A
F	Control arm - lower inner	45337	1	2			
F	Control arm - lower arm assembly	45900	1	2			26
F	Control arm - upper inner	45004	1	4			A
F	Coil spring - seat upper (+10mm)	47299	2	1			
F	Shock absorber - lower	43037	1	8			A
F	Shock absorber - upper	43036	1	4			A
F	Spring - saddle	47002A	1	2			A
F	Spring - saddle	47213A	2	1			
F	Steering - coupling	44066	1	1			
F	Steering - idler bush lower	41003	1	1			
F	Steering - idler bush upper	41004	1	1			
F	Steering - idler arm assembly	41002	1	1			
F	Steering - idler arm assembly	41002R	1	1			
F	Strut bar - to chassis	48001	1	4			A
F	Sway bar - link	42002	1	8			A
F	Sway bar - link washers	42933	1	8			13
F	Sway bar - mount 18mm	42403	1	2			
F	Sway bar - mount 21mm	42023	1	2			
F	Sway bar - mount 22mm	42006	1	2			
R	Lowering blocks 1.5"	47930	1	2			
R	Lowering blocks 2.0"	47931	1	2			
R	Spring - u bolts	47806	2	2			27
R	Leaf spring - saddle	47207	1	4			
R	Spring - eye front	47023	1	4			
R	Spring - eye rear & shackle	47015	1	8			
X-TRAIL T30 Wagon							
10/01-9/07 4cyl							
F	Control arm - lower inner front	45591	1	4		Feb-10	
F	Control arm - lower inner rear	45592	1	2		Dec-09	22
F	Control arm - lower inner rear	45593	1	2		Dec-09	24
F	Sway bar - link assembly	42792	1	2			20
R	Control arm - front inner & outer	46291	1	8		Feb-10	
R	Control arm - rear inner & outer	46292	1	8		Mar-10	
R	Control arm - rear inner & outer	46311	1	8		Mar-10	
R	Sway bar - link assembly	42790	2	2			20
R	Trailing arm - front	46293	1	4		Mar-10	
PONTIAC							
G8 refer Commodore VE under Holden listing							
G8 refer Commodore VE under Holden listing							
PORSCHE							
924							
1976-82 6cyl							
F	Camber adj bolts - 12mm	44250	1	2	*		27
F	Control arm - lower inner	45002	1	2			A
F	Control arm - lower inner	45337	1	2			
F	Control arm - lower arm assembly	45900	1	2			26
F	Control arm - upper inner	45004	1	4			A
F	Coil spring - seat upper (+10mm)	47299	2	1			
F	Shock absorber - lower	43037	1	8			A
F	Shock absorber - upper	43036	1	4			A
F	Spring - saddle	47002A	1	2			A
F	Spring - saddle	47213A	2	1			
F	Steering - coupling	44066	1	1			
F	Steering - idler bush lower						



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NOLATHANE YOUR FAMILY SEDAN:

Whether it's taking the kids to school, holiday highway driving or towing the boat, worn suspension components can not only ruin your trip but put you and your family's safety at risk. If when driving your vehicle, you notice a change in its handling behaviour, ride quality or even braking abilities, majority of motorists automatically assume its worn brakes, tyres or shock absorbers. It is highly likely your vehicle is suffering from worn suspension and steering components.

Suspension bushes are the link between your vehicle and its springs, struts and shock absorbers. Suspension bushes provide the movement and/or mounting points in your vehicle's suspension system. Hence these suspension components can influence both the ride quality, steering feel, as well as the grip of the tyres, performance of the brakes, and stability of the shock absorbers. Should these suspension components be worn, an unpredictable and more to the point unsafe motor vehicle can be the result.

Save you money

Commodore's with Independent Rear Suspension that have been lowered or carry a load, suffer from poor wheel alignment and resulting uneven rear tyre wear. If unaddressed, results in a ¼ of the tyre's life being achieved (that's 10,000km's instead of 40,000km's) not to mention the cost of frequently replacing them. This can be easily rectified with the **Nolathane** IRS kit that can be fitted in two stages, and adjusts rear wheel camber and toe to improve tyre life dramatically. Fitting of **Nolathane** camber and caster adjusting kits to the front of your Falcon can improve tyre life significantly. These kits replace the original mounts and bushes on the front upper control arms. Adjustment is via shims or screw adjustment that permit alignment correction.

Safety

If your VT-VZ Commodore squirms under braking or pulsates the brake pedal, then **Nolathane** has the answer. The original strut rod to chassis bush (mounted just below the bottom radiator support) is a relatively soft hydraulic or fluid filled bush. This soft bush takes most of the braking load as the vehicle wants to keep moving and the wheel tries to stop. The result is very little feedback through the brake pedal and in some vehicles, even if the front disc rotors are in good condition, a pulse can still be felt through the pedal. Whilst there is camber adjustment on these models via a camber pin at the base of the strut leg, there is no caster adjustment available. **Nolathane**'s replacement strut rod to chassis bushes provide improved brake pedal feel without harshness and removes the squirming or wandering under braking. You can actually feel the difference!

In order to keep you car cheap to run, reliable and safe, here are some key suspension areas that you should have checked and maintained regularly:

- Front control arms
- Front strut/ radius rod
- Front & rear sway bar mounts
- Front & rear sway bar links
- Rear control arms



NOLATHANE YOUR HATCHBACK:

If your car gets you from A to B, worn suspension components could not only end up costing you but also create instability whilst cornering. Many small front wheel drive hatchback vehicles tend to "pull" to the left whilst driving in a straight line, which actually causes uneven tyre wear and in no time you need to replace your tyres which can hit your hip pocket hard. Fitting Nolathane's affordable offset or adjustable caster bushes to the lower front control arms corrects this problem. Also your vehicles body roll whilst cornering is managed by a sway/ stabiliser bar that's connected by 2 mounting points and end links to your cars chassis. Its quite common for these the mounts and links to wear or even break which can create excess body roll and a more unstable vehicle whilst cornering. In order to keep you car cheap to run, reliable and safe, here are some key suspension areas that you should have checked and maintained regularly:

- Front control arms
- Front sway bar mounts
- Front sway bar links
- Rear control arms



NOLATHANE YOUR COMMERCIAL:

If you run a business, and rely on your vehicle to get the job done, neglecting your vehicles suspension could cost you. Most likely your vehicle is doing high mileage and load carrying which are both primary offenders for wearing suspension components.

Nolathane suspension bushings offer are made tough and offer outstanding abrasion resistance, high load bearing capability (4WD's, utes and towing) , flexibility, increased tensile strength and chemical resistance to oil, grease, ozone and weathering. If you want to keep your company vehicle and business on the right track, here are some key suspension areas that you should have checked and maintained regularly:

- Front Control arms
- Rear Trailing arms
- Rear Spring Eye and Shackle Bushings
- Front and Rear Shock Absorber Bushings



NOLATHANE YOUR 4WD:

Whilst modern 4WD's have improved, they remain a compromise between ride, handling and traction in both on and offroad situations. Tyre wear on larger 4WD's can be an issue, and raising these vehicles can make the situation worse. Accordingly, many large, raised 4WD's suffer from nervous steering and vibration at highway speeds. Nolathane suspension bushes synchronise your 4WD suspension system for optimal safety, handling & performance. They are the most positive link between your vehicle and it's springs, shocks and other suspension components. Unlike soft rubber bushes, which distort under braking, cornering or towing loads, Nolathane bushes maintain alignment settings and offer complete reliability.

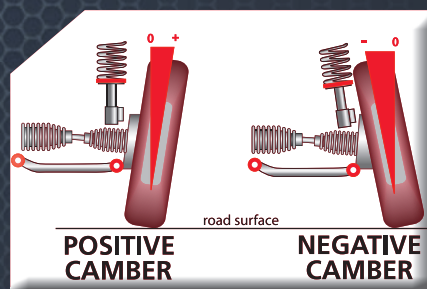
Nolathane is for those who don't want to compromise safety and require the best in suspension performance.

When towing the need for controlled suspension is even greater.

Nolathane offers greater alignment capabilities resulting in optimum suspension settings for improved tyre wear.

Nolathane offset bushes are essential on raised vehicles to restore caster and reduce nervous steering at highway speeds.



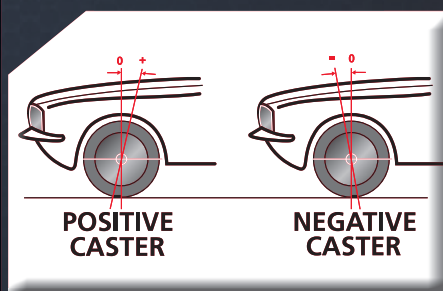


CAMBER ANGLE

Camber is the measurement of the inclination of the wheel from the vertical, viewed from the front of the vehicle. Camber's main purpose is to reduce uneven tyre wear on the edges of the tyres by maintaining even contact across the entire tread surface.

The vehicle has "+" positive camber when the top of the tyre leans outwards away from the vehicle and has "-" negative camber when the top of the tyre leans inwards towards the vehicle. Under normal driving conditions original rubber bushes or worn components distort and squirm causing the suspension arm to move altering camber setting, resulting in unwanted angle changes. Nolathane suspension products are far superior in maintaining proper camber settings because they do not distort as much as the original rubber components.

What to look for: Smooth edging on the inside of the tyre is caused by excessive "-" camber, smooth edging on the outside of the tyre is caused by excessive "+" camber causing the vehicle to pull to the side with the most "+" camber. Always wheel align camber settings within manufacturer's specifications.

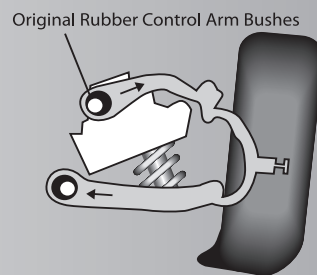
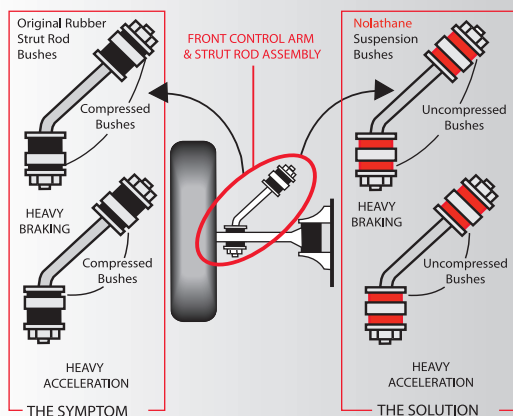


CASTER ANGLE

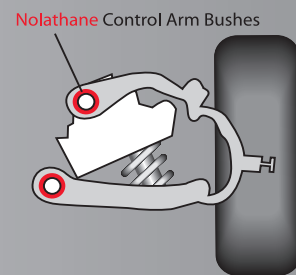
Caster is the measurement of the angle of forward and backward tilt of the upper and lower steering pivots (i.e. top and bottom ball joints) relative to an imaginary vertical line intersecting the road surface, also measured in "+" positive and "-" negative degrees. Caster is the angle that most effects directional stability. "+" caster occurs when the contact patch of the tyres is behind this imaginary line, "-" caster being in front of the line. Ideally the contact patch of the tyres would be "+" providing steering 'feel', stability and helping to self centre the wheels, so they point in the direction the vehicle is travelling. Too much caster causes heavy steering and when extreme, can cause wheel shimmy. Too little caster reduces steering feel and the vehicle's ability to track straight and has a tendency to wander. Under heavy braking and steering conditions, original rubber or worn components can cause caster angle change effecting the vehicle's self-centring ability and reducing turn-in ability when cornering. Nolathane suspension products provide better control under all conditions, especially braking, controlling and preventing movement. Negative effects caused by the camber of the road can be counteracted by increasing the caster of the vehicle on the passenger side by approximately $1/2^\circ$. This spread is provided by Nolathane's range of offset caster bushes reducing LH tyre wear, rectifying a slight pull to the LHS, common in many front wheel drive vehicles.

What to look for: Unless there is excessive "+" caster on cars not designed to have such settings, caster will not normally cause tyre wear. Always wheel align caster settings within manufacturer's specifications.

ADDITIONAL BENEFITS OF



THE SYMPTOM

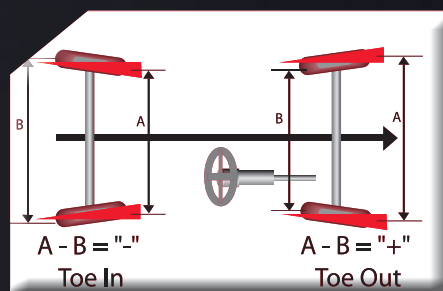


THE SOLUTION



COMMON SUSPENSION TERMINOLOGY & WHAT TO LOOK FOR

Nolathane®

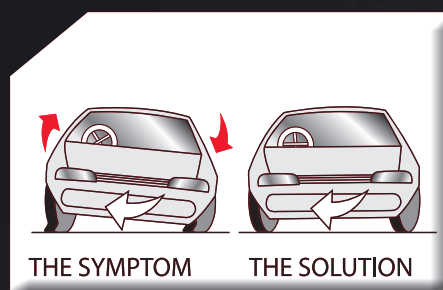


TOE IN / TOE OUT

Toe is the measurement of the difference between the front centre line of each tyre and the rear centre line of each tyre on the same axle. Incorrect toe settings are one of the main causes of excessive tyre wear, notably feathered edging across the tyres, is due to incorrect toe settings due to the tyres trying to run in different directions. Vague, unresponsive steering is indicative of excessive toe in, whereas excessive toe out causes the vehicle to dart or wander across the road. Toe angle is measured in "degrees" or "mm" by subtracting the distance between the front of the tyres from the distance between the back of the same tyre. A "+" result means the vehicle is toeing in, a "-" result means the vehicle is toeing out. Typically production vehicles are normally aligned with a "Toe In" setting as steering alignment takes place while the vehicle is stationary. When the vehicle is in motion steering linkage tolerances allow the wheels to move out under normal driving conditions. This is referred to as "Running Toe" which should be zero to maximise tyre life and achieve the least rolling resistance.

Toe settings can be altered because of soft original rubber bushes or worn components allow the control arms to move during performance driving, heavy braking and cornering causing toe out. Nolathane suspension products are far superior in maintaining proper toe settings under performance situations, when weight transfer is high, such as acceleration, braking and cornering as they do not distort like the original rubber components.

What to look for: Feathered edges on the tyres indicates incorrect toe setting. Feathering pointing to the inside of the tyre indicates excessive toe in, whereas feathering to the outside of the tyre indicates excessive toe out. Always wheel align toe settings within manufacturer's specifications.

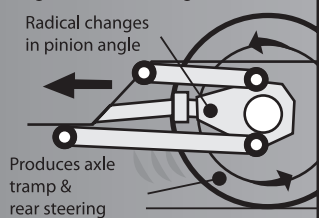


SWAY BAR CONTROL

The function of the sway bar is to improve the tyre contact with the road, thus reducing body roll and stabilising the vehicle under lateral (cornering) loads. Soft original rubber bushes will often deflect excessively before the sway bar begins to operate, therefore permitting initial body roll. Nolathane suspension products allow the sway bar to work with much higher efficiency as the bushes do not distort, resulting in improved performance, control, less tyre wear and better traction.

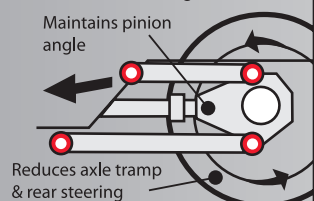
NOLATHANE SUSPENSION BUSHES

Original Rubber Trailing Arm Bushes



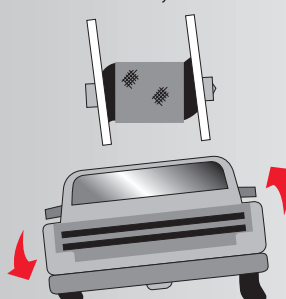
THE SYMPTOM

Nolathane Trailing Arm Bushes



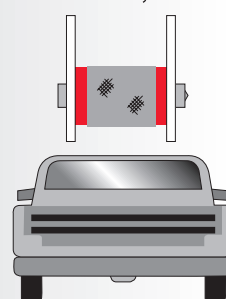
THE SOLUTION

Distorting Rubber Leaf Spring Bushes Excessive Body Roll



THE SYMPTOM

Nolathane Leaf Spring Bushes Reduced Body Roll



THE SOLUTION



Please use these hints along with any instructions provided when fitting NOLATHANE products. Vehicle manufacturers manual should be used to ensure NOLATHANE warranty compliance.

The NOLATHANE lubricant supplied is designed to optimise bush durability and performance. NOLATHANE grease is a molybdenum disulphide (LM) based grease and has excellent stability & extreme pressure qualities for extended life and high melting point.



fig.1

1. CLEAN all paint, rust and rubber deposits from suspension components (fig 1). INSPECT for damaged, bent, pitted or worn components and replace before installing NOLATHANE.

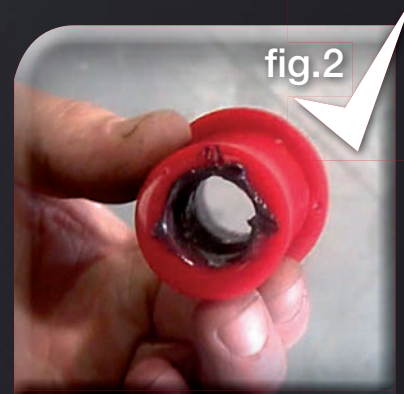


fig.2

2. USE NOLATHANE Lubricant (where supplied). Adequately GREASE all bush surfaces designed to pivot (eg. flange faces and internal bores). Refer fig. 2-4



fig.3

3. TIGHTEN all nuts and bolts as per manufacturers specifications whilst vehicle is at normal ride height.

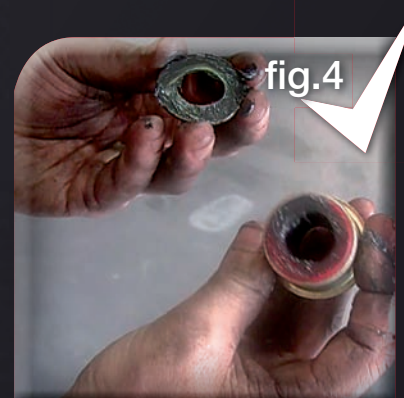
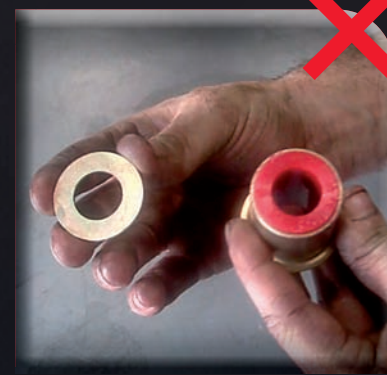


fig.4

NOTE: The major noise producing factor in polyurethane is incorrect fitment and uncleaned mating surfaces.

DO NOT grease pressed fit surfaces (eg. outer shell) or outside of shackles bushes.



FAQ □ FREQUENTLY ASKED QUESTIONS

Nolathane®

HOW DO I KNOW WHEN MY SUSPENSION BUSHES NEED REPLACING?

Usually if your vehicle suffers from any or all of these systems it is a good indication that your suspension bushes need replacing.

- Poor wheel alignment or unable to maintain wheel alignment settings
- Vague steering response
- Abnormal or excessive tyre wear
- Noisy suspension
- Excessive movement in suspension components
- Shuttering under brakes
- Vehicle excessively following road contours
- Bushes showing signs of fatigue, swelling, irregular shape & general wear and tear

IS NOLATHANE TOO HARD?

Nolathane formulations have evolved over many years. As the clear market leader in Australia & New Zealand our formulations have become progressively softer whilst becoming stronger. Each bush is designed using the most suitable grade of softness to suit the application. Misinformation spread by small competitors suggests that Nolathane is hard - this is simply old hat! We invite you to compare the "leading brands" and you will find virtually all bushes are now of similar softness. As the Australian & New Zealand markets are so small with only 24 million total population we have focused away from just motor sport application to what we call 'Streetable Polyurethane'. In other words you can fit Nolathane products to a family car and obtain good performance improvement without compromising too much on ride, improved handling, steering & in many cases brake response without a harsh ride. Most Polyurethane you might see in the USA or Europe is around 93-95 Durometer shore A as they concentrate on a racing / extreme performance market, less than 1% of the Nolathane range is 93 Duro and these are normally to replace original hard nylon bushes. Most of our products are 74 or 85 Duro. When we design a bush we evaluate the best duro (hardness) for the application and that is what we design to, we do not normally make the same part in different hardness's as we try to pick the best handling / ride compromise.

DO URETHANE BUSHES SQUEAK?

Basically, no. Squeaking is caused by high frequency vibrations that can be heard rather than felt. Usually the cause of squeaking is the incorrect application of grease (not greasing the correct areas eg: flange faces & internal bores), greasing the incorrect areas (outside of bushes designed to be installed inside the suspension component) or even over greasing (applying grease everywhere), however the presence of rust, paint or rubber deposits between the bush and the component or housing can also be a major factor.

WHAT IS THE GREASE SUPPLIED AND WHERE DO I PUT IT?

The Nolathane lubricant supplied is designed to optimise bush durability and performance. Nolathane grease is a molybdenum disulphide (LM) based grease and has excellent stability & extreme pressure qualities for extended life and high melting point. Grease supplied in the kits where required should only be used and applied to the bush surfaces designed to pivot (eg flange faces and internal bores) DO NOT grease pressed fit surfaces (eg outer shell) or outside surface of shackle bushes. DO NOT use rubber grease as this can affect urethane bushes.



It's important to note that in identifying a worn suspension component, all surrounding or relative suspension components should be reviewed for contributing or affected signs of wear

Worn rubber bushings look for:

- degraded, distorted, elongated, compressed or torn bushing
- free play of centre sleeve in bushing
- delamination of rubber from outer steel casing or inner steel sleeve
- Poor wheel alignment

Key areas to inspect – control arms, leaf springs, sway bar mounts, steering idler, steering rack mount, strut and panhard rods

Worn hydraulic bushings look for:

- leaking fluids from core of bush – simply run a finger over bush to collect any moisture
- Poor wheel alignment

Key areas to inspect – front control arms, strut rods and rear crossmember

Worn sway bar/ stabiliser link with bushings look for:

- Bushings have degraded, over compressed, split or even missing
- Bent or snapped link rod

Key areas to inspect – front and rear sway bar/ stabiliser link

Worn sway bar/ stabiliser link with ball link joints:

- Split ball link boot
- excess compliance in joint- simply grab the sway bar, pull up & down and listen for knocking
- Bent or snapped link rod

Key areas to inspect – front and rear sway bar/ stabiliser link

Worn spherical bushings:

- Split spherical joint boot
- excess compliance in joint
- Poor wheel alignment

Key areas to inspect – control arms, strut and panhard rods

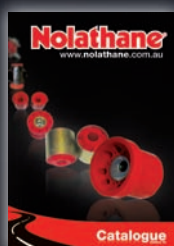
Worn ball joints:

- Spilt ball joint boot
- Knocking

Key areas to inspect – control arms



MERCHANDISE



Description: **Nolathane** Catalogue
Part Number: NC-10



Description: **Nolathane** Suspension Poster
Part Number: NP-08
Dimensions: A1 840x594mm



Description: **Nolathane** Counter Mat
Part Number: MD-MAT
Dimensions: 470x350mm



Description: **Nolathane** Brochure
Part Number: NB-01
Dimensions: A4 210x297mm



Description: **Nolathane** Coreflute Sign
Part Number: MD-COR
Dimensions: 800x200x5mm



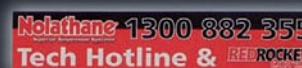
Description: **Nolathane** Reorder Cards
Part Number: MD-REORDER
Dimensions: 160x60mm



Description: **Nolathane** Vehicle Sticker
Part Number: MD-LA8
Dimensions: 110x40mm



Description: **Nolathane** Window Sticker
Part Number: MD-STICKER
Dimensions: 560x125mm



Description: **Nolathane** Telephone Sticker
Part Number: MD-1300
Dimensions: 89x16mm



Description: **Nolathane** Polo Shirt
Part Number: MD-POLO



Description: **Nolathane** Cap
Part Number: MD-Cap



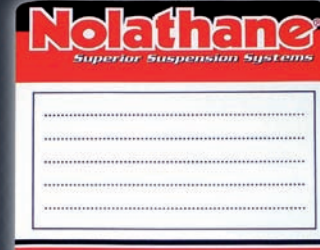
Description: **Nolathane** Stubby Cooler
Part Number: MD-COOLER



Description: **Nolathane** Display Board
Part Number: MD-PEG
Dimensions: 570x480x5mm



Description: **Nolathane** Parts Bin (with labels)
Part Number: MD-BIN
Dimensions: 240x100x300mm
With Movable Inserts. Holds Up To 8 Part Numbers



Description: **Nolathane** Parts Bin Labels
Part Number: MD-LABIN
Dimensions: 90x90mm



With the continually growing range of NOLATHANE product, it is imperative to provide a service to match. Suspension is an integral part of a vehicle's function and quality suspension ensures stability, handling and control of your vehicle and we here at NOLATHANE, recognise the lack of information and knowledge of appropriate suspension products, settings and problems and have developed service orientated programs to make available this information.

Available via phone are qualified suspension specialists answering all suspension related questions. Whether you are a DIY installer having a problem, an individual experiencing wheel alignment issues or an enthusiast setting up a performance vehicle NOLATHANE's technical support have the experience and knowledge to answer your questions because basically 'we know suspension'!



Available by the World Wide Web – NOLATHANE's extensive website provides a wealth of product and general suspension information that should easily answer most suspension related queries. Online is a FAQ's section dealing with common questions & problems that many experience.

Search through the most detailed online suspension catalogue with a click of the mouse key. Search by vehicle or specific part numbers to reveal informative product pages that include:

- Product image
- Kits contents and dimensions
- Suspension location visual aid
- Installation Guides
- Estimated fitting times
- And more.....



This user friendly site has been designed to provided the most indepth and tailored information for a broad range of market segments i.e. the suspension novice, DIY, trade, local spare parts outlet & suspension specialists.





Nolathane

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WANT IT TO HANDLE?

Nolathane suspension bushes synchronise your suspension system for optimal safety, handling and performance. They are the most positive link between your vehicle's springs, struts or shocks. Nolathane offers alignment correction and adjustment via offset bushes, shims, eccentric centre tubes and adjustable strut mounts. Unlike soft rubber bushes, which distort under heavy braking or cornering loads,

Nolathane bushes maintain alignment settings and offer complete reliability.

- Improved handling
- Crisp steering response
- Boosted braking accuracy & control
- Prolonged life of suspension bushes and tyres
- 2 year or 40,000km warranty on parts and labour

Looking for a Nolathane product for your vehicle? [Click here!](#)

FOR YOUR NEAREST STOCKISTS PHONE
AUS - 1300 882 335 NZ - 0800 880 189

2 YEAR
40,000KM
WARRANTY

NOLATHANE ON YOU TUBE CORRECT BUSH LUBRICATION BUSH MECHANIC TECH TIPS

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NOLATHANE IT!

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Nolathane Website - Get all the suspension information needed for passenger, 4WD, commercial and performance vehicles at www.nolathane.com.au

Nolathane Training - Informative training nights can be tailored to educate your staff and customers of new Nolathane parts, suspension systems & inspection techniques.

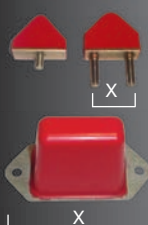
For more information or to make / request bookings, please contact **Nolathane** on (AUS) 1300 882 355 or (NZ) 0800 880 189

Technical bulletins - **Nolathane** publish both in print and online technical bulletins highlighting new products, diagnosis/ install tips, profit stories and testimonials with the objective to inform and educate all levels of the market.





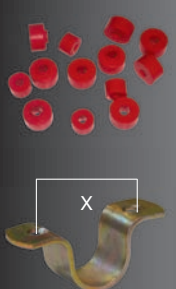


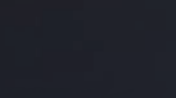


**D.I.Y.
Nolathane**



Description	Part No.	Kits Req.	Kit Qty	Notes
Sheets				
Nolathane Sheet	49103		1	L=195, W=160, T=3mm - 93A Duro (Red)
Nolathane Sheet	49079		1	L=600, W=300, T=5mm - 85A Duro (Red)
Nolathane Sheet	49100		1	L=600, W=300, T=5mm - 93A Duro (Red)
Solid Rods				
Solid Nolathane Rod	49080		1	OD=22mm, L=300mm, 85A Duro (Red)
Solid Nolathane Rod	49082		1	OD=31mm, L=300mm, 85A Duro (Red)
Solid Nolathane Rod	49083		1	OD=37mm, L=300mm, 85A Duro (Red)
Solid Nolathane Rod	49084		1	OD=40mm, L=300mm, 85A Duro (Red)
Solid Nolathane Rod	49086		1	OD=50mm, L=300mm, 85A Duro (Red)
Solid Nolathane Rod	49087		1	OD=62mm, L=300mm, 85A Duro (Red)
Solid Nolathane Rod	49088		1	OD=75mm, L=300mm, 85A Duro (Red)
Solid Blocks				
Solid Nolathane Block	49101		1	L=118, W=118, H=100mm, 85A Duro (Red)
Solid Nolathane Block	49102		1	L=142, W=118, H=100mm, 85A Duro (Red)
Grease				
Nolathane Grease	49106	1	10	Contains 10 Sachets of 16 gram grease
Nolathane Grease	49107	1	50	Contains 50 Sachets of 16 gram grease
Alignment Shims				
Alignment Shim pack - 1.5mm	45319	1	10	Bulk pack suits Falcon EA-EL / Territory SX-SY refer page 25
Alignment Shim pack - 1.5mm	45316	1	100	Bulk pack suits Falcon EA-EL / Territory SX-SY refer page 25
Alignment Shim pack - 3.0mm	45320	1	10	Bulk pack suits Falcon EA-EL / Territory SX-SY refer page 25
Alignment Shim pack - 3.0mm	45317	1	100	Bulk pack suits Falcon EA-EL / Territory SX-SY refer page 25
Alignment Shim pack - 6.0mm	45321	1	5	Bulk pack suits Falcon EA-EL / Territory SX-SY refer page 25
Alignment Shim pack - 1.5mm	45351	1	10	Bulk pack suits Falcon AU-BF refer page 25
Alignment Shim pack - 1.5mm	45350	1	100	Bulk pack suits Falcon AU-BF refer page 25
Alignment Shim pack - 3.0mm	45353	1	10	Bulk pack suits Falcon AU-BF refer page 25
Alignment Shim pack - 3.0mm	45352	1	100	Bulk pack suits Falcon AU-BF refer page 25
Alignment Shim pack - 6.0mm	45354	1	5	Bulk pack suits Falcon AU-BF refer page 25
Bump Stops				
Bump Stops	47173	1	2	1 stud suits Falcon L=50mm, W=32mm, H=38mm
Bump Stops	45206	1	2	1 stud suits Holden L=61mm, W=25mm, H=43mm
Bump Stops	47043	1	2	2 stud suits Holden L=61mm, W=25mm, H=48mm, X=40mm
Bump Stops	47336	1	2	2 hole suits Holden L=150mm, W=65mm, H=82mm, X=125mm
Bump Stops	47337	1	2	2 hole suits Holden L=150mm, W=65mm, H=60mm, X=125mm
Spring Pad/Trim Packers				
Spring Pad/Trim Packer	47183	1	2	OD=115, ID=85, H= 8mm
Spring Pad/Trim Packer	47325	2	1	OD=128, ID=82, H=10mm
Spring Pad/Trim Packer	47185	1	2	OD=130, ID=95, H= 6mm
Spring Pad/Trim Packer	47186	1	2	OD=130, ID=95, H= 8mm
Spring Pad/Trim Packer	47187	1	2	OD=135, ID=100, H= 4mm
Spring Pad/Trim Packer	47299	2	1	OD=138, ID=101, H=10mm
Spring Pad/Trim Packer	47307	1	2	OD=140, ID=32, H= 6mm
Spring Pad/Trim Packer	47308	1	2	OD=140, ID=32, H=10mm
Spring Pad/Trim Packer	47316	2	1	OD=146, ID=110, H=10mm
Spring Pad/Trim Packer	47328	2	1	OD=146, ID=110, H=20mm
Spring Pad/Trim Packer	47332	2	1	OD=146, ID=110, H=30mm
Spring Pad/Trim Packer	47326	2	1	OD=158, ID=66, H=10mm
Spring Pad/Trim Packer	47319	2	1	OD=160, ID=80, H= 5mm
Spring Pad/Trim Packer	47320	2	1	OD=160, ID=80, H= 10mm
Spring Pad/Trim Packer	47330	2	1	OD=160, ID=80, H= 20mm
Spring Pad/Trim Packer	47334	2	1	OD=160, ID=80, H=30mm
Spring Pad/Trim Packer	47322	2	1	OD=180, ID=120, H=10mm
Spring Pad/Trim Packer	47331	2	1	OD=180, ID=120, H=20mm
Spring Pad/Trim Packer	47335	2	1	OD=180, ID=120, H=30mm
Spring Pad/Trim Packer	47318	2	1	OD=180, ID=140, H=10mm
Spring Pad/Trim Packer	47329	2	1	OD=180, ID=140, H=20mm
Spring Pad/Trim Packer	47333	2	1	OD=180, ID=140, H=30mm
4wd Accessories				
Shock Absorber Shield	49112		2	Universal shock shield to protect lower shock body from damage
Hi-lift Jack Handle Retainer	49113	1	2	Slides over the jack handle and the I-beam securing the handle to the jack itself, so no more rattles or lost jack handles



	Description	Part No.	Kits Req.	Kit Qty	Notes
	Ball Style Sway Bar Links				
	Sway Bar - Link Kit (Ball/Ball)	42702	1	2	63mm c/c, ball joints parallel refer page 17
	Sway Bar - Link Kit (Ball/Ball)	42703	1	2	108mm c/c, ball joints 180 deg opposed - for specifications refer page 17
	Sway Bar - Link Kit (Ball/Ball)	42704	1	2	60mm c/c, ball joints parallel refer page 17
	Sway Bar - Link Kit (Ball/Ball)	42705	1	2	120mm c/c, ball joints 180 deg opposed refer page 17
	Sway Bar - Link Kit (Ball/Ball)	42706	1	2	105mm c/c, ball joints 90 deg opposed LH + RH refer page 17
	Sway Bar - Link Kit (Ball/Ball)	42707	1	2	108mm c/c, ball joints 180 deg opposed refer page 17
	Sway Bar - Link Kit (Ball/Ball)	42709	1	2	210mm c/c, ball joints 67.5 deg opposed LH + RH refer page 18
	Sway Bar - Link Kit (Ball/Ball)	42710	1	2	210mm c/c, ball joints 67.5 deg opposed refer page 18
	Sway Bar - Link Kit (Ball/Ball)	42711	1	2	88mm c/c, ball joints 90 deg opposed LH + RH refer page 18
	Threaded Style Sway Bar Links				
	Sway Bar - Link Kit (Threaded)	42951	1	2	L=140mm Links, Nuts & Washers (Bushes not incl.) refer page 16
	Sway Bar - Link Kit (Threaded)	42952	1	2	L=165mm Links, Nuts & Washers (Bushes not incl.) refer page 16
	Sway Bar - Link Kit (Threaded)	42953	1	2	L=202mm Links, Nuts & Washers (Bushes not incl.) refer page 16
	Sway Bar - Link Kit (Threaded)	42954	1	2	L=240mm Links, Nuts & Washers (Bushes not incl.) refer page 16
	Sway Bar - Link Kit (Threaded)	42955	1	2	L=280mm Links, Nuts & Washers (Bushes not incl.) refer page 16
	Complete Sway Bar Links				
	Sway Bar - Link Kit (Complete)	42170	1	8	L=165mm Links, Nuts & Washers (Bushes incl.) refer page 16
	Sway Bar - Link Kit (Complete)	42997A	1	8	L=280mm new style h/duty 'S' shaped link refer page 16
	Sway Bar - Link Kit (Complete)	42998	1	8	L=200mm Bolts, Nuts & Washers (Bushes incl.) refer page 16
	Link Washers				
	Sway Bar - Link Washers	42933	1	8	Cupped Washers Only - Hardened Heavy Duty
	Link Bushes				
	Sway Bar - Link Bush	42364	1	4	OD=21, ID= 8, L=13mm
	Sway Bar - Link Bush	42080	1	8	OD=21, ID= 8, L=13mm
	Sway Bar - Link Bush	43010	1	4	OD=28.5, ID=10, L=15mm
	Sway Bar - Link Bush	42915	1	8	OD=28.5, ID=10, L=15mm
	Sway Bar - Link Bush	42002	1	8	OD=28.5, ID=10, L=18.5mm
	Sway Bar - Link Bush	43019	1	8	OD=29.5, ID=10, L=14.5mm
	Sway Bar Mounting Brackets				
	Sway Bar - Mounting Bracket	42934	1	2	X = 50mm centre to centre - Suits Mount Bushes Below
	Sway Bar - Mounting Bracket	42931	1	2	X = 65mm centre to centre - Suits Mount Bushes Below
	Sway Bar - Mounting Bracket	42935	1	2	X = 95mm centre to centre - Suits Mount Bushes Below
	Sway Bar - Mounting Bracket	42936	1	2	X = 110mm centre to centre - Suits Mount Bushes Below
	Sway Bar Mounts				
	Sway Bar - Mount 14mm	42914	1	2	Suits Mounting Brackets Above
	Sway Bar - Mount 15mm	42999	1	2	Suits Mounting Brackets Above
	Sway Bar - Mount 16mm	42916	1	2	Suits Mounting Brackets Above
	Sway Bar - Mount 17mm	42917	1	2	Suits Mounting Brackets Above
	Sway Bar - Mount 18mm	42918	1	2	Suits Mounting Brackets Above
	Sway Bar - Mount 19mm	42919	1	2	Suits Mounting Brackets Above
	Sway Bar - Mount 20mm	42920	1	2	Suits Mounting Brackets Above
	Sway Bar - Mount 21mm	42921	1	2	Suits Mounting Brackets Above
	Sway Bar - Mount 22mm	42922	1	2	Suits Mounting Brackets Above
	Sway Bar - Mount 23mm	42923	1	2	Suits Mounting Brackets Above
	Sway Bar - Mount 24mm	42924	1	2	Suits Mounting Brackets Above
	Sway Bar - Mount 25mm	42925	1	2	Suits Mounting Brackets Above
	Sway Bar - Mount 26mm	42926	1	2	Suits Mounting Brackets Above
	Sway Bar - Mount 27mm	42927	1	2	Suits Mounting Brackets Above
	Sway Bar - Mount 28mm	42928	1	2	Suits Mounting Brackets Above
	Sway Bar - Mount 30mm	42930	1	2	Suits Mounting Brackets Above
	Camber bolts				
	Camber adj bolts - 12mm (pair)	44250	1	2	Premium quality bolts provide pos & neg camber adj - refer page 27
	Camber adj bolts - 14mm (pair)	44260	1	2	Premium quality bolts provide pos & neg camber adj - refer page 27
	Camber adj bolts - 15mm (pair)	44270	1	2	Premium quality bolts provide pos & neg camber adj - refer page 27
	Camber adj bolts - 17mm (pair)	44290	1	2	Premium quality bolts provide pos & neg camber adj - refer page 27
	Wheel Chocks				
	Wheel Chock	49110		1	Anti slip design - prevents wheel movement



COMPLETE SWAY BAR LINKS







Various Applications - **Nolathane** complete sway bar link kits are the total solution - they include all required links, bushes and hardware. Original sway bar links in Commodore, Falcon, Patrol, Subaru and Landcruiser are a regular replacement item. On most late model Subaru's the OE links are plastic and are prone to flex & cracking in high performance vehicles - **Nolathane** alloy sway bar link kits permit articulation of the axle whilst providing improved response that you can feel.

Most **Nolathane** sway bar link kits are available in pairs or single units, these single kits have a suffix

"S" - single link kit suiting either LHS or RHS of the vehicle

"L" - this kit suit the LHS of the vehicle only

"R" - this kit suit the RHS of the vehicle only

	Part #	Model	Length	Comments
	42951 42952 42953 42954 42955	Sway bar - link kit (Threaded) Sway bar - link kit (Threaded) Sway bar - link kit (Threaded) Sway bar - link kit (Threaded) Sway bar - link kit (Threaded)	140mm 165mm 202mm 240mm 280mm	Both OE & universal fitment heavy duty replacement sway bar link kit. Each kit includes a pair Heavy Duty Sway Bar Links, Nuts & Washers (Bushes not incl.)
	42170	Commodore VB-VP Holden HK, WB	165mm	This kit is a standard replacement for HK-WB & VB-VL Commodores It can also be used as a conversion kit on VN-VP Commodores to relocate the sway bar link from the strut leg back to the lower control arm
	42997A	Commodore VN-VX1	280mm	This Nolathane kit incorporates key design features to overcome product failure and fitment issues experienced in the market, no other Commodore sway bar link incorporates all of these features and benefits at such a competitive price
	42997AX	Commodore VN-VX1	280mm	If you are after the ultimate, VN-VX1 Commodore sway bar links then Nolathane's 42997AX kit is for you. These sway bar link conversion kit replaces the original sway bar link with a twin vertical ball joint style. This sway bar links simply bolts into the vehicle as per OE.
	42997A/10	Commodore VN-VX1	280mm	Same as 42997A kit above but supplied as a bulk pack of 10
	42998	Landcruiser 70 Series	200mm	This kit is a standard replacement for 70 Series Landcruiser as the OE links are prone to bending













SWAY BAR LINKS

Nolathane®

	Part #	Model	Length	Comments
	42700	Impreza/Forrester/Liberty	65mm	Wow these alloy links look great and transform the handling of your Subaru, as well as being a replacement to the OE links which are made made from a composite glass material and are prone to flex & cracking in high performance vehicles Nolathane also do a bush replacement to service the OE link part number 42411
	42701	Impreza/Forrester/Liberty	100mm	Wow these alloy links look great and transform the handling of your Subaru, as well as being a replacement to the OE links which are made made from a composite glass material and are prone to flex & cracking in high performance vehicles Nolathane also do a bush replacement to service the OE link part number 42412
	42702 42702S	Camry SDV10/Corolla AE101-ZZE122/ Rav4 ACA20-23	108mm c/c	Pair - OE style fitment heavy duty style ball links Single LHS or RHS - OE style fitment heavy duty style ball links
	42703 42703S	Camry SV21/ Corolla AE90-112	63mm c/c	Pair - OE style fitment heavy duty style ball links Single LHS or RHS - OE style fitment heavy duty style ball links
	42704 42704S	Galant/Magna/Celica	105mm c/c	Pair - OE style fitment heavy duty style ball links Single LHS or RHS - OE style fitment heavy duty style ball links
	42705 42705S	Galant HJ/Lexus SC400	63mm c/c	Pair - OE style fitment heavy duty style ball links Single LHS or RHS - OE style fitment heavy duty style ball links
	42706 42706L 42706R	Falcon AU/Laser/Telstar N.B left & Right Hand Link	120mm c/c	Pair - OE fitment heavy duty style ball links Single LHS - OE style fitment heavy duty style ball links Single RHS - OE style fitment heavy duty style ball links
	42707 42707S	Camry/Celica/Corolla/Supra	108mm c/c	Pair - OE style fitment heavy duty style ball links Single LHS or RHS - OE style fitment heavy duty style ball links
	42708 42708S	Commodore VX2-VZ	280mm	Pair - OE style fitment heavy duty style ball links Single LHS or RHS - OE style fitment heavy duty style ball links
	42708X	Commodore VX2-VZ	280mm	If you are after the ultimate, VX2-VZ Commodore sway bar links then Nolathane's 42708X kit is for you. These sway bar link conversion kit replaces the original sway bar link with a twin vertical ball joint style. This sway bar links simply bolts into the vehicle as per OE







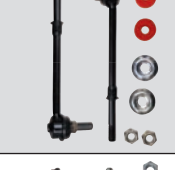




Part #	Model	Length	Comments
	42708/5 Commodore VX2-VZ	280mm	OE fitment style bulk pack of 5 ball links and incorporates a new saucer design top bush to overcome extreme loads and premature failure
	42709 42709L 42709R Commodore VZ N.B left & Right Hand Link	210mm	OE fitment heavy duty style ball links Single LHS - OE style fitment heavy duty style ball links Single RHS - OE style fitment heavy duty style ball links
	42710 Commodore VZ Crewman/1 tonner	210mm	Pair - OE style fitment heavy duty style ball links
	42711 42711L 42711R Falcon BA-BF	88mm	OE fitment heavy duty style ball links Single LHS - OE style fitment heavy duty style ball links Single RHS - OE style fitment heavy duty style ball links
	42712 42712S Patrol GU 12mm ball stud	163mm	Pair - OE style fitment heavy duty style ball links Single LHS or RHS - OE style fitment heavy duty style ball links
	42713 42713L 42713R Patrol GU	LH=240mm RH=163mm	OE fitment heavy duty style ball links Single LHS - OE style fitment heavy duty style ball links Single RHS - OE style fitment heavy duty style ball links
	42714 42714S Patrol GQ/GU 10mm ball stud	163mm	Pair - OE style fitment heavy duty style ball links Single LHS or RHS - OE style fitment heavy duty style ball links
	42716 42716L 42716R Commodore VE		OE fitment heavy duty style ball links Single LHS - OE style fitment heavy duty style ball links Single RHS - OE style fitment heavy duty style ball links
	42717 42717L 42717R 300C	216mm	OE fitment heavy duty style ball links Single LHS - OE style fitment heavy duty style ball links Single RHS - OE style fitment heavy duty style ball links
	42718 42718S 300C	258mm	Pair - OE style fitment heavy duty style ball links Single LHS or RHS - OE style fitment heavy duty style ball links











SWAY BAR LINKS

Nolathane®

Part #	Model	Length	Comments
 42719 42719L 42719R	Prado 120 series	140mm	OE fitment heavy duty style ball links Single LHS - OE style fitment heavy duty style ball links Single RHS - OE style fitment heavy duty style ball links
 42720 42720S	Prado 120 series	128mm	Pair - OE style fitment heavy duty style ball links Single LHS or RHS - OE style fitment heavy duty style ball links
 42721 42721S	Falcon FG	110mm	Pair - OE style fitment heavy duty style ball links Single LHS or RHS - OE style fitment heavy duty style ball links
 42722 42722S	Laser KN-KQ 323 BJ	190mm	Pair - OE style fitment heavy duty style ball links Single LHS or RHS - OE style fitment heavy duty style ball links
 42723 42723L 42723R	Camry SXV20R Camry ACV36 Avalon MCX10	285mm	OE fitment heavy duty style ball links Single LHS - OE style fitment heavy duty style ball links Single RHS - OE style fitment heavy duty style ball links
 42724 42724S	Pulsar N13-16	85mm	Pair - OE style fitment heavy duty style ball links Single LHS or RHS - OE style fitment heavy duty style ball links
 42725 42725S	Pulsar N14-15	180mm	Pair - OE style fitment heavy duty style ball links Single LHS or RHS - OE style fitment heavy duty style ball links
 42726 42726S	Prado 95 series	128mm	Pair - OE style fitment heavy duty style ball links Single LHS or RHS - OE style fitment heavy duty style ball links
 42727 42727S	Prado 95 series	98mm	Pair - OE style fitment heavy duty style ball links Single LHS or RHS - OE style fitment heavy duty style ball links



	Part #	Model	Length	Comments
	42728	Patrol GQ/GU	114mm to shoulder	Pair - suits 50mm raised vehicles
	42729	Patrol GQ/GU	175mm to shoulder	Pair - suits 100mm raised vehicles
	42730	Patrol GQ/GU	LH=300mm RH=143mm to shoulder	Pair - suits 50mm raised vehicles
	42731	Patrol GQ/GU	LH=352mm RH=176mm to shoulder	Pair - suits 100mm raised vehicles
	42790	Universal fully adjustable 10mm ball stud	320mm c/c	Universal sway bar link incorporate a simple threaded design which allows for the link to be cut to any length from 60-320mm and have the ball links seated in any position to suit all vehicle with ball/ball style sway bar link within the 60-320mm length range and a 10mm ball stud.
	42791	Universal fully adjustable 10mm ball stud	270mm c/c	Universal sway bar link incorporate a simple threaded design which allows for the link to be cut to any length from 90-270mm and have the ball links seated in any position to suit all vehicle with ball/bush style sway bar link within the 90-270mm length range and a 10mm ball stud.
	42792	Universal fully adjustable 12mm ball stud	320mm c/c	Universal sway bar link incorporate a simple threaded design which allows for the link to be cut to any length from 60-320mm and have the ball links seated in any position to suit all vehicle with ball/ball style sway bar link within the 60-320mm length range and a 12mm ball stud.
	42793	Universal fully adjustable 12mm ball stud	270mm c/c	Universal sway bar link incorporate a simple threaded design which allows for the link to be cut to any length from 90-270mm and have the ball links seated in any position to suit all vehicle with ball/bush style sway bar link within the 90-270mm length range and a 12mm ball stud.



ALIGNMENT CORRECTION KITS

Nolathane®

These pages of the catalogue will help answer many questions about Nolathane's alignment correction bush range. These pages have images that easily identify the part, explain if it adjusts Camber or Caster & how much can be achieved per particular kit.

The alignment correction product category is growing quickly as vehicles are made with less OE adjustment. The opportunity to use these products to tune to our roads & your customer's driving style is great and should be considered an integral part of suspension, tyre (and in some instances) brake services. Products have been grouped by type and are listed in order of the standard part #.


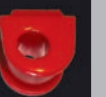

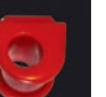

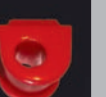



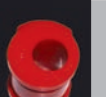

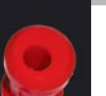



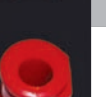

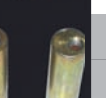
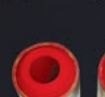





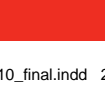

The listing below shows how many bushes in each kit are standard (Std) or Offset and the additional adjustment provided. To aid and help as to which kit to fit we have given a brief general fitment recommendation and benefit below.

Standard replacement - kit provides better steering response, feel and improved handling

LHS offset/adj RHS std kits - provides better steering response and feel + correcting slight pull to the LHS as well as improved tyre life.

Both LHS/RHS offset/adj kits - provides better steering response and feel + correcting heavy pull to the LHS.

****Listed in order of Standard part number****

Part #	# Std Bush	# Offset Bush	Amount Achieved	
			LHS	RHS
 	42343	2	Std	Std
 	45397	2	+0.5	-0.5
			Caster	Caster
 	42401	2	Std	Std
 	45399	2	+0.5	-0.5
			Caster	Caster
 	42426	2	Std	Std
 	42428	2	+0.5	-0.5
			Caster	Caster
 	45010	4	Std	Std
 	45215	4	+ 2	- 2
			Caster	Caster
 	45020	2	Std	Std
 	45378	1 1	+0.5	Std
			Caster	Caster
 	45057	2	Std	Std
 	45406	1 1	+0.5	Std
			Caster	Caster
 	45081	2	Std	Std
	45388	1 1	+0.5	Std
			Caster	Caster
	45090	2	Std	Std
	45380	1 1	+0.5	Std
			Caster	Caster
	45142	4	Std	Std
	45448	4	+/-1.5	+/-1.5
			Camber	Camber
	45224	2	Std	Std
	45372	1 1	+0.5	Std
			Caster	Caster

Part #	# Std Bush	# Offset Bush	Amount Achieved	
			LHS	RHS
 	45232	2	Std	Std
 	45368	1 1	+0.5	Std
			Caster	Caster
 	45237	2	Std	Std
 	45356	1 1	+0.5	Std
			Caster	Caster
 	45239	2	Std	Std
 	45407	1 1	+0.5	Std
			Caster	Caster
 	45245	2	Std	Std
 	45386	1 1	+0.5	Std
			Caster	Caster
 	45246	2	Std	Std
 	45449	1 1	+0.5	Std
			Caster	Caster
 	45328	2	Std	Std
 	45371	2	+0.5	-0.5
			Caster	Caster
 	45330	2	Std	Std
	45376	1 1	+0.5	Std
			Caster	Caster
	45344	2	Std	Std
	45616	2	+0.5	-0.5
			Caster	Caster
	45358	2	Std	Std
	45359	1 1	+0.6	Std
			Caster	Caster
	45362	2	Std	Std
	45363	1 1	+0.6	Std
			Caster	Caster



Part #	# Std Bush	# Offset Bush	Amount Achieved	
			LHS	RHS
45366	2		Std	Std
45451	1	1	+0.5	Std
			Caster	Caster
45392	2		Std	Std
45390	1	1	+0.5	Std
			Caster	Caster
45405	2		Std	Std
45394	1	1	+0.5	Std
			Caster	Caster
45427	2		Std	Std
45374	1	1	+0.5	Std
			Caster	Caster
45428	2		Std	Std
45384	1	1	+0.5	Std
			Caster	Caster
45429	2		Std	Std
45382	1	1	+0.5	Std
			Caster	Caster
45442	2		Std	Std
45443	1	1	+0.5	Std
			Caster	Caster
45445	2		Std	Std
45446	1	1	+0.5	Std
			Caster	Caster
45454	2		Std	Std
45402	1	1	+0.5	Std
			Caster	Caster
45457	2		Std	Std
45458	1	1	+0.5	Std
			Caster	Caster
45485	4		Std	Std
45486		4	+/-1.5	+/-1.5
			Camber	Camber
45498	2		Std	Std
45499	1	1	+0.5	Std
			Caster	Caster
45519	2		Std	Std
45520	1	1	+0.5	Std
			Caster	Caster

Part #	# Std Bush	# Offset Bush	Amount Achieved	
			LHS	RHS
45528	2		Std	Std
45529	1	1	+0.5	Std
			Caster	Caster
45536	2		Std	Std
45537	1	1	+0.5	Std
			Caster	Caster
45550	2		Std	Std
45551	1	1	+0.5	Std
			Caster	Caster
45552	2		Std	Std
45553	1	1	+0.5	Std
			Caster	Caster
45564	2		Std	Std
45565	1	1	+0.5	Std
			Caster	Caster
45569	2		Std	Std
45570		2	+/-1.5	+/-1.5
			Caster	Caster
45575	4		Std	Std
45576		4	+/-1.5	+/-1.5
			Caster	Caster
45586	4		Std	Std
45587		4	+/-1.5	+/-1.5
			Caster	Caster
45589	2		Std	Std
45590		2	+0.5	Std
			Caster	Caster
45592	2		Std	Std
45593		2	+0.5	Std
			Caster	Caster
45594	4		Std	Std
45595		4	+/-1.5	+/-1.5
			Caster	Caster
45597	2		Std	Std
45598		2	+0.5	Std
			Caster	Caster
45607	2		Std	Std
45608		2	+0.5	Std
			Caster	Caster

NO IMAGE AVAILABLE

NO IMAGE AVAILABLE



ALIGNMENT CORRECTION KITS



NO IMAGE AVAILABLE

NO IMAGE AVAILABLE

NO IMAGE AVAILABLE

NO IMAGE AVAILABLE

NO IMAGE AVAILABLE

NO IMAGE AVAILABLE

NO IMAGE AVAILABLE



Part #	# Std Bush	# Offset Bush	Amount Achieved	
			LHS	RHS
45612	4		Std	Std
45613	4		+2.0	+2.0
			Caster	Caster
45624	2		Std	Std
45625	2		+0.5	Std
			Caster	Caster
45627	2		Std	Std
45628	2		+0.5	Std
			Caster	Caster
45635	2		Std	Std
45636	2		+0.5	Std
			Caster	Caster
45638	2		Std	Std
45639	2		+0.5	Std
			Caster	Caster
45641	2		Std	Std
45642	2		+0.5	Std
			Caster	Caster
45644	2		Std	Std
45645	2		+0.5	Std
			Caster	Caster
45648	4		Std	Std
45649	4		+0.5	Std
			Caster	Caster
46023	4		Std	Std
46138A	4		+/-2.0	+/-2.0
46138HD	4		+/-2.0	+/-2.0
46138X	4		+/-3.0	+/-3.0
			Camber	Camber
46085	8		Std	Std
46210	8		+/-1.5	+/-1.5
			Camber	Camber
46203	2		Std	Std
46208	2		+/-1.0	+/-1.0
			Camber	Camber
46218	2		Std	Std
46230	2		+/-1.0	+/-1.0
			Camber	Camber

Nolathane®



All kits contain the same bushes
Adjustment achieved via offset
crushtubes



48032/45482 suits models up
to 86 bush length 48mm



48033/45483 suits models 86-on
bush length 54mm



heavily voided to allow for more
articulation.



All kits contain the same
bushes
Adjustment achieved via offset
crushtubes



All kits contain the same
bushes
Adjustment achieved via offset
crushtubes



Adjustment achieved via 2mm,
4mm & 8mm spacer washers

Part #	# Std Bush	# Offset Bush	Amount Achieved	
			LHS	RHS
46274	4		+/-1.0	+/-1.0
			Camber	Camber
46276	4		Std	Std
46277	4		+/-1.0	+/-1.0
			Camber	Camber
46306	2		Std	Std
46272	2		+/-1.0	+/-1.0
			Camber	Camber
48032	8		Std	Std
45482	4		+2.0	+2.0
48033	8		Std	Std
45483	4		+2.0	+2.0
			Caster	Caster
48050	8		Std	Std
45425	4		+2.5	+2.5
45425E	4		+2.5	+2.5
			Caster	Caster
N.B +2.5 deg on Landcruiser + 2.0 deg on Patrol/Maverick				
48097	2		Std	Std
48177	2		+0.5	+0.5
			Caster	Caster
48160	2		Std	Std
48161	1	1	+/-2.5	Std
48159	2		+/-2.5	+/-2.5
			Caster	Caster
48164	2		Std	Std
48163	2		+/-2.5	+/-2.5
			Caster	Caster
48166E	2		Std	Std
48166	2		-0.5 / + 1 ¼	-0.5 / + 1 ¼
			Caster	Caster



STRUT MOUNTS

Nolathane strut mounts are available to suit a wide range of applications and permit camber and caster adjustment via the strut mount. Most vehicle's subjected to both city & freeway driving as well as motor sport applications, require more camber and caster adjustment then the OE mount can achieve, if any.

N.B: 44018 does not include replacement bearings, these are then included in all other part #'s.



Part #	Model	Loc	STD	Adj	Camber	Caster
44000	Commodore VB-VN1	F		2	-2.5	+0.5
44001	Commodore VB-VN1	F	2		Std	Std
44016	Commodore VN2-VP	F		2	-2.5	+1.5
44017	Commodore VN2-VP	F	2		Std	Std
44018/44019	Commodore VR-VZ	F	2		Std	Std
44020	Charade G100 / G200 (insert)	F	2		Std	Std
44021	Commodore VR-VS	F		2	-2.5	+4.5
44021P	Commodore VR-VS (plates only)	F		2	-2.5	+4.5
44024	BMW 3 series E30/E36/E46	R	2		Std	Std
44025	Golf Mk4 / Audi A3	F	2		Std	Std

IRS CAMBER/TOE ADJUSTMENT

IRS Models - Due to high demand and poor tyre wear on lowered vehicles such as Commodore, Falcon & Skyline **Nolathane** have developed IRS replacement kits to replace the original non adjustable control arm bushes with camber/toe adjustable versions. These kits in most cases work via an eccentric crush tube and bolt setup. By simply installing the kit to the vehicle then bottoming out one of the new bolts in the thread of the crush tube it can be rotated to achieve the desired wheel alignment settings. A lock nut is then tightened off against the chassis to maintain settings.

N.B: on some models 2 kits may be required to achieve desired alignment setting



Part #	Toe	Camber	Model
46138A (2 kits)	14-16mm	+/-2.0deg	Commodore VP-VX1 inner & outer
46138A (1 kit)	6-8mm	+/-0.5deg	Commodore VP-VX1 inner only VX2-VZ outer only
46139A	Replacement bush kit for 46138A - contains new bushes only		



46138HD (1 kit)	8-10mm	toe adj only	Commodore VP-VX1 inner only
46138X (1 kit)	camber adj only	+/-3.0deg	Commodore VP-VZ outer only

N.B: **Nolathane** recommends only adjusting toe from the inner pivots & camber from the outer pivots
The following part numbers only require 1 kit

Part #	Toe	Camber	Model
46085	Std	Std	Nissan 1600 / 180B / 200B / 240K / Skyline R30
46210	3-4mm	+/-1.5deg	



46203	camber adj only	Std	Falcon BA-BF / Territory SX-SY
46208	camber adj only	+/-1.0	
46209	Replacement bush kit for 46208 - contains new bushes only		
46909 (Complete arm)	camber adj only	+/-2.0	Falcon BA-FG / Territory SX-XY



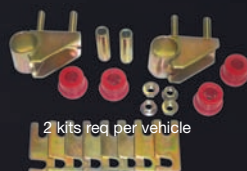
46218	Std	Std	Nissan 180SX / 200SX / 300ZX / Skyline
46230	2-3mm	+/-1.0deg	



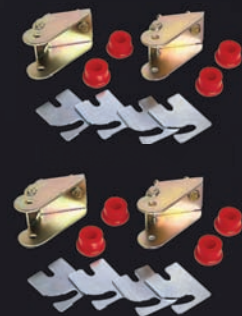
PRODUCTS OF INTEREST

CAMBER CASTER KITS

Nolathane®



2 kits req per vehicle



Falcon EA-FG - Providing additional adjustment over OE front upper inner control arm brackets, these kits are an economical solution to correctly align Falcons. Shim packs can be used on both OE & Nolathane brackets. Essential on lowered or high mileage vehicles. NB: 2 kits are available for AU-BA Falcons depending on ride height.

Part #	Camber	Caster	Model
45146	+/-1.5	+/-1.5deg	Falcon EA-EL
Bulk Shims available to suit 45146 + O.E. brackets - Falcon EA-EL			
45319 1.5mm (10)	45320 3mm (10)	45321 6mm (5)	
45316 1.5mm (100)	45317 3mm (100)		

Part #	Camber	Caster	Model
45342	+/-1.5	+/-1.5deg	Falcon AU-BF Std height to XR
45453	+/-2.5	+/-2.5deg	Falcon AU-BF XR height or Lower
45584	+/-2.5	+/-2.5deg	Falcon FG - all

Bulk Shims available to suit 45342/45453, 45584 + O.E. brackets - Falcon AU-BF

45351 1.5mm (10)	45353 3mm (10)	45354 6mm (5)
45350 1.5mm (100)	45352 3mm (100)	

Nolathane also offer an even more efficient solution for your camber/caster problems on your EA-BF. These kits are a superior solution to correctly align Falcons by providing quicker, easier thread type under guard adjustment by winding the eyelet housing in or out to achieve the optimum setting to suit your vehicle. Pivoting head design extends bush life. Adjuster will not work loose.

Part #	Camber	Caster	Model
45146X	+/-1.5	+/-1.5deg	Falcon EA-EL
45342X	+/-2.5	+/-2.5deg	Falcon AU-BF

Territory SX-SY - Providing additional adjustment over OE front upper inner control arm brackets, these kits are an economical solution to correctly align Territorys. Shim packs can be used on both OE & Nolathane brackets. Essential on lowered or high mileage vehicles.

Part #	Camber	Caster	Model
45542	+/-2.5	+/-2.5deg	Territory SX-SY
Bulk Shims available to suit 45542 + O.E. brackets - Territory SX-SY			
45319 1.5mm (10)	45320 3mm (10)	45321 6mm (5)	
45316 1.5mm (100)	45317 3mm (100)		

Toyota Landcruiser & Nissan Patrol - Nolathane Caster Alignment leading arm to differential bush kit is essential on all raised vehicles to correct front axle caster alignment. Raising the vehicle causes the diff to roll reducing the factory caster + creating vague steering and wheel shimmy at certain speeds.

Part #	Caster Landcruiser	Caster Patrol	Notes
45425	2.5deg	2.0deg	Heavily voided to allow for greater articulation.
45425E	2.5deg	2.0deg	Non voided urethane design - economy option.

Commodore VT-VZ - Adjustable Strut Rod to Chassis Kit is essential on lowered vehicles to restore caster. Permits caster adjustment in 1/4 degree increments. Improves brake pedal feel & directional stability. OE bush is hydraulic (fluid filled) and despite appearance may have failed - observe wheel movement during braking. Refer www.nolathane.com.au Available as single kits - 48166 or in bulk pack of 5 kits 48166/5

Part #	Caster		
	Min Caster	Max Caster	
48166E	Std	Std	Commodore VT-VZ
48166	-0.5	+1 1/4	Commodore VT-VZ
48166/5	-0.5	+1 1/4	Commodore VT-VZ (Bulk Pack)



COMMODORE DIFFERENTIAL MOUNT INSERTS

Commodore IRS models - At the rear of the differential is a steel housing containing a soft, heavily voided, rubber and steel mount. Over time this mount becomes excessively soft permitting too much movement also leading to axle tramp. The **Nolathane** diff mount inserts are shaped to simply press in the rubber voids from the front, unlike some competitors which require the weld on the OE steel housing to be separated to allow the insert to be fitted from the rear. The **Nolathane** insert is simply pushed in from the front and is designed to clip into place and is retained by the nose of the diff. N.B: Also refer rear cross member mount to help rectify axle tramp (below)



49156



49157



Installing into OE mount

Part #	Models
49156	VS-VX1
49157	VX2-VZ

FALCON DIFFERENTIAL MOUNTS & INSERTS

Falcon BA-FG / Territory SX-SY models - CLUNK, CLUNK - SOUND FAMILIAR?

Does your Falcon or Territory suffer from a noisy rear end clunk at slow speeds?
Have you been back and forth with your dealership and still suffer from the issue?
Have you changed your driving style to compensate?

SOLUTION

There is light at the end of the tunnel with the latest product addition to the Ford Falcon and Territory range. **Nolathane** have developed a series of both replacement bushes and inserts that fit into the voids of the OE bush.

Replacement Bushes - are highly durable and heavily voided polyurethane bushing and come with new mounting components to counter the over compliant or delaminated OE bushing and poor OE through bolt engagement.

Void Inserts - are a quick and cost effect way of fixing the problem with out having to completely replace the bushes. These inserts have been designed to completely fill the original voids of the OE bushes. For general replacement 1 kit is required per application with insert being fitted to the front of the OE bush, but if you have a XR6 Turbo, XR8, V8 or FPV we strongly recommend fitting 2 kits with the inserts being installed to the front and rear of the OE bush.



Part #	Type	Model
49158	Replacement Bush	Falcon BA-BF / Territory SX-SY
49159	Replacement Bush	Falcon BA / Territory SX
49160	Replacement Bush	Falcon BA-FG / Territory SX-SY
49171	Replacement Bush	Falcon BA-FG / Territory SX-SY
49175	Inserts	Falcon BA-FG / Territory SX-SY
49176	Inserts	Falcon BA-BF / Territory SX-SY
49178	Inserts	Falcon BA-FG / Territory SX-SY

REAR CROSS MEMBER MOUNTS

Commodore VN-VZ IRS models - The rear suspension on all IRS Commodores have two large outer cross member mounts that bolt up just forward of the rear wheel arch. These take all of the torque and braking load with axle tramp common in higher performance vehicles as the cross member moves on these mounts. In some cases a thumping sound can be heard under hard acceleration as the front of the cross member moves and hits the floor. The **Nolathane** cross member kit includes a cross member bush and a top spacer pad to reduce movement and reduces impact against the floor. N.B: Also refer Commodore Differential Mount Inserts to help rectify axle tramp (above)

Commodore VE models - The rear suspension on VE Commodores have four large heavily voided front and rear cross member mounts that bolt up just in front and behind the rear wheel arches. Because the original mounts are voided it give the sensation of the whole rear suspension being disconnected from the vehicle. These rear cross member mounts take all of the torque and braking loads with axle tramp common in higher performance vehicles as the cross member moves on these voided mounts. In some cases a thumping sound can be heard under hard acceleration as the front of the cross member moves and hits the floor. The **Nolathane** rear cross member kit includes inserts to simply fit into the voids at the top and bottom of the original cross member bushes, being just an insert and not the complete bush adds in ease of installation.



Part #	Models
49008	VP-VT
49145	VX-VZ
49169	VE
49168	VP-VZ
EVOTRAC1	VP-VT 49008 & 49156
EVOTRAC2	VX2-VZ 49145 & 49157

Nissan Performance models - On models like Skyline, Silvia, 200SX etc they share a common IRS rear end which under high performance vehicles tends to walk or squirm around on the original rubber cross member mounts, reducing cornering & acceleration control and handling.

Nolathane have developed a trick 3 piece urethane only design that replaces the original OE mounts and also includes a spacer pad to stop the squirm in the rear suspension on normal ride height vehicles. In extreme performance or lowered vehicles they also suffer from severe diff pinion angle change which reduces torque to the rear wheels. The **Nolathane** Evolution cross member mounts on these vehicles can be fitted without this spacer pad to rectify and correct the diff pinion angle to produce more torque to the rear wheel.



Part #	Models
49154	300ZX Z32 200SX S14-15/Silvia S13 Pulsar N14 GTiR Skyline R32, R33 & R34 2wd
49155	Skyline R32, R33 & R34 4wd



PRODUCTS OF INTEREST

Nolathane®

LOWERING BLOCKS



Various Applications - Nolathane aluminium lowering blocks are the economical and quick way to lower many leaf sprung vehicles. Available in 1.5", 2" & 2.5" for most applications. Today the lowering block market is not confined to old leaf sprung vehicles. The recent upsurge in utility sales have driven sales growth in lowering blocks. The Fast 4 category of utes such as HiLux, Navarra & Rodeo are being lowered and having bigger wheel & tyre packages installed every day. Additionally, the success of Ford's Falcon ute and the Holden Crewman & 1 Tonner are a big part of the emerging sports ute category. These vehicles are also being transformed as they are "dropped" or "decked" to improve handling and looks. Each kit contains: 1 pair of lowering blocks All Nolathane blocks 4 U bolts are extruded aluminium 8 serrated flange nuts for higher quality, ease Instructions of fitment

N.B.: Check with your State Authority before fitting extra low kits

U-BOLTS



Various Applications - Nolathane U bolts are a cost effective solution for replacing old, rusted, damaged or broken U bolts on most leaf sprung trailers & vehicles. Each kit contains two U bolts and four serrated flange nuts - sufficient for one side only. Nolathane trailer U bolts are available in round & square top. All Nolathane U bolts are manufactured from OE grade steel and are zinc plated for protection against rust & corrosion.

Part #	Internal Measurement	Trailer "U" Bolts Thread Diameter	Type	Length
47800	40mm	12mm	Round	160mm
47801	40mm	12mm	Square	175mm
47802	45mm	12mm	Square	175mm
47803	50mm	12mm	Square	175mm
47810	85mm	14mm	Square	270mm

Part #	Internal Measurement	Vehicle "U" Bolts Thread Diameter	Type	Length
47804	57mm	12mm	Round	270mm
47805	65mm	12mm	Round	270mm
47806	75mm	12mm	Round	270mm
47807	75mm	14mm	Round	270mm
47808	85mm	12mm	Round	270mm
47809	85mm	14mm	Round	270mm
47810	85mm	14mm	Square	270mm

CAMBER ADJUSTING BOLTS



Falcon - OE style replacement camber bolt kits. 2 bolts per kit. New Improved Design

Part #	Models	Bolt Dia	Camber Adj
44200	Falcon XR-XD(5/81)	1/2"	+/- 1.5deg
44201	Falcon XD(5/81)-XF	9/16"	+/- 1.5deg

Magna & Hyundai - Replaces OE rear control arm upper brackets with camber adjustable versions

Part #	Models	Bolt Dia	Camber Adj
46600	Magna TE-TW/Sonata EF-EF-B	10mm	+/- 1.5deg

Universal Applications - These premium quality camber bolt kits provide positive & negative camber adjustment by replacing the upper OE strut to hub assembly bolt. Nolathane design permits live adjustment on aligning equipment without the need to raise the car during positive adjustment - unlike some alternative designs. 2 bolts per kit.



Part #	Bolt Dia	Camber Adj
44250	12mm	+/- 0.75deg
44260	14mm	+/- 0.75deg
44270	15mm	+/- 0.75deg
44290	17mm	+/- 0.75deg



BUDGET BUSTERS - 8 FAST MOVING PART NUMBERS


This range consists of popular 4WD & light commercial spring eye & shackle bushes. N.B: **Nolathane Budget Busters** have a different part number system. By replacing the prefix 4 with KU and adding /100 as a suffix to denote packs of 100 bushes. The rest of the part No. remains the same. Eg: KU7005/100 = 47005

Nolathane Part #	Series	Model	Loc	Description	Qty Req	Notes
KU7001/100	Dyna	LH80, YH81, YY100	R	Spring - eye front/rear & shackle	12	
	Hi-Ace	LH30 / RH11-42	R	Spring - eye front & rear	8	
	Hi-Lux 4Runner (surf)	LN60, YN60	F&R	Spring - eye front/rear & shackle	12	
	Hi-Lux 4Runner (surf)	LN61, YN63	R	Spring - eye front/rear & shackle	12	
	Hi-Lux	Most Models	R	Spring - eye front/rear & shackle	12	Refer Hi-Lux page 178-182
	Landcruiser	40 Series	F&R	Spring - eye front/rear & shackle	12	
	Lite Ace	CM/KM/YM Series	R	Spring - eye front/rear & shackle	12	
KU7003/100	Jackaroo/Bighorn	UBS13,16, 17, 52	R	Spring - eye rear & shackle	8	
	Rodeo	All Models	R	Spring - eye front/rear & shackle	12	Refer Rodeo page 86-88
KU7004/100	Landcruiser	40 Series	F&R	Spring - eye front/rear & shackle	12	
	Stout	RK101, 110	F	Spring - eye front/rear & shackle	12	
KU7005/100	Patrol/Maverick	GQ-GU/DA	R	Spring - eye front/rear & shackle	12	
	Landcruiser	40-70 Series	F&R	Spring - eye front/rear & shackle	12	Refer Landcruiser pg 182-185
KU7008/100	Dyna	LY60	F&R	Spring - eye front/rear & shackle	12	
	Landcruiser	40-50 Series	R	Spring - eye front/rear & shackle	12	Refer Landcruiser pg 182
	Stout	RK101, 110	R	Spring - eye front/rear & shackle	12	
	ToyoAce	RY16, RY3 /LY30, 31, RY31	F&R	Spring - eye front/rear & shackle	12	
KU7018/100	Landcruiser	70 Series	R	Spring - eye front/rear & shackle	12	
KU7019/100	Navara	D21-D22	R	Spring - eye rear & shackle	8	
KU7022/100*	Hi-Lux 4Runner (surf)	LN60, YN60	F	Spring - eye rear & shackle	8	
	Hi-Lux	Most Models	F	Spring - shackle	4	Refer Hi-Lux page 178-182

* denotes crush tubes included in kit

COMPLETE STRUT RODS & ADJUSTABLE PANHARD RODS

Commodore - **Nolathane** Complete replacement Strut Bars, with the OE Strut Bars taking most of the vehicle's braking load and maintaining the position of the lower control arm these OE Strut Bars are prone to straightening through normal wear and tear or even after a slight knock against a kerb or round about . These items are essential to restoring factory caster setting which is critical to the vehicle's straight line driveability and control . As this tends to only happen on one side of the vehicle these items are sold as single items

	Part #	Loc	Model	Contents
	48900	F	Commodore VT-VZ (2wd)	Single Strut Bar only - Bushes not included
	48901	F	Commodore VB-VS/Lexcen VN-VS	Single Strut Bar only - bushes not included
	48902	F	Commodore VB-VP/Lexcen VN-VS	Complete with bushes and offset inner control arm bushes. Additional +2deg of caster adjustment. Pair of fully adjustable strut rod

Live Axle Commodores - On-car adjustable panhard rod is essential on all lowered Commodores to correct rear axle alignment. Without this, many lowered Commodores scrub the tyre against the inside lip of the drivers side rear mudguard. The bend in the **Nolathane** unit is designed to provide clearance for big bore exhausts to stop the exhaust knocking on the rod. **N.B: Refer application listing of specific fitment**

	Part #	Loc	Model	Notes
	48153	R	Commodore VB-VS Gemini TX-TG Lexcen VN, VS	Adj on car from 880-1030mm



PRODUCTS OF INTEREST

Nolathane®

COMPLETE ADJUSTABLE PANHARD RODS - CONT...

Adjustable Panhard Rods - are essential ... on all raised vehicles to correct rear axle alignment. Raising the vehicle causes the OE panhard rod to re-align the axle toward the RHS. The heavy duty **Nolathane** design is adjustable and includes **Nolathane** bushes.

	Part #	Loc	Model	Notes
	48800	F	Landcruiser 80 Series	Adjustable off car Adjustable from 780-865mm
	48801	R R	Landcruiser 80 Series Landcruiser 105 Series Solid Axle	Adjustable off car Adjustable from 1040-1125mm
	48802	F F	Patrol GQ Y60 Maverick DA	Adjustable off car Adjustable from 830-920mm
	48803	R R	Patrol GQ Y60 Maverick DA	Adjustable off car Adjustable from 980-1065mm
	48804	F	Patrol GU Y61 (Excl Spherical bearing at chassis end)	Adjustable off car Adjustable from 850-940mm
	48804X	F	Patrol GU Y61 (Incl Spherical bearing at chassis end)	Adjustable off car Adjustable from 850-940mm
	48805	R	Patrol GU Y61 (Excl Spherical bearing at chassis end)	Adjustable off car Adjustable from 980-1070mm
	48805X	F	Patrol GU Y61 (Incl Spherical bearing at chassis end)	Adjustable off car Adjustable from 980-1070mm
	48806	R	Prado 120 Series	Adjustable from 1005-1070mm Adjustable off car
	48807	R	Landcruiser 100 Series IFS	Adjustable off car Adjustable from 1125-1070mm
	48808	R	Hi-Lux 130 Series	Adjustable off car Adjustable from 875-970mm
	48809	R	Pajero NA-NL Coil sprung	Adjustable off car Adjustable from 950-1015mm
	48810	F	Land Rover Discovery	Adjustable off car Adjustable from 830-870mm
	48811	F	Land Rover Defender	Adjustable off car Adjustable from 830-870mm
	48812	F	Cherokee XJ	Adjustable off car Adjustable from 840-800mm
	48813	R	Grand Cherokee XJ	Adjustable off car Adjustable from 735-800mm



Commodore, Falcon, Nissan & Toyota Complete Suspension Arms - Don't waste time with replacement of bushes or ball joints on popular suspension arms. If you or your customer does not have time or the specialist tools required you should consider the **Nolathane** Arm programme. **Nolathane** do not believe in the hassle of exchange programmes with deposits, paperwork and return freight, so all **Nolathane**

	Part	Model	Loc	Notes
	FORD			
	45900 new	Falcon XW-XF	F	Complete pair of new lower control arms fitted Nolathane bushes & ball joints. These control arms and come with both 1/2" & 9/16" ID crush tubes. For early and late models.
	45904 new	Falcon XK-XP Mustang 65-66	F	Complete pair of new lower control arms fitted with Nolathane bushes & ball joints.
	46900A new	Falcon XE-EF Std height Falcon EL-AU Tickford height L=340mm Centre to Centre	R	Complete pair of new upper trailing arms fitted with Nolathane bushes. These trailing arms are made of heavy box section steel tubing.
	46900AHD new	Falcon XE-EF Std height Falcon EL-AU Tickford height L=340mm Centre to Centre	R	Complete pair of new heavy duty upper trailing arms fitted Nolathane bushes. These trailing arms are and are made of heavy box section steel tubing.
	46901 new	Falcon XE-EB1 R	R	Complete pair of new lower trailing arms fitted Nolathane bushes. These trailing arms are made of heavy box section steel tubing.
	46901HD new	Falcon XE-EB1 R	R	Complete pair of new heavy duty lower trailing arms fitted Nolathane bushes. These trailing arms are made of heavy box section steel tubing.
	46903 new	Falcon EB2-AU (live axle)	R	Complete pair of new lower trailing arms fitted Nolathane bushes. These trailing arms are made of heavy box section steel tubing.
	46903HD new	Falcon EB2-AU (live axle)	R	Complete pair of new heavy duty lower trailing arms fitted Nolathane bushes. These trailing arms are made of heavy box section steel tubing.
	46905 new	(live axle) Falcon EL-AU Std height L=320mm Centre to Centre	R	fitted with Nolathane bushes. These trailing arms are new (not exchange units) and are made of heavy box section steel tubing.
	46905HD new	(live axle) Falcon EL-AU Std height L=320mm Centre to Centre	R	Complete pair of new heavy duty upper trailing arms with Nolathane bushes. These trailing arms are made of heavy box section steel tubing.
	46909 new	Falcon BA-FG Territory SX-XY	R	Complete pair of fully adjustable high performance upper control arms fitted with Nolathane bushes & spherical bearings. They offer up to 2deg or camber adjustment and are fully adjustable on car. 46909 arms are finished in durable red powder coat.

