

Nolathane Part No. 45466 & 45503

Holden Adventra, Crewman Cross6 & Cross8
Front Lower Control Arm Bushes

45466 – Front bush kit – **Replaces original hydraulic bushes**

45503 – Rear bush kit

These **Nolathane** kits suit:

VY-VZ Adventra All Wheel Drive (AWD) Wagon

VY-VZ Crewman Cross6 & Cross8 AWD Utes

The Holden Adventra & Cross8 Utes are the first Commodore derived models to move away from the traditional radius rod type front suspension. The front lower control arm on these AWD models uses a one piece "A" arm that has a rubber bush directly inboard of the wheel and a very large hydraulic (fluid filled) bush at the front of the arm, located in the crossmember below the radiator.

This front bush is large at 80mm in diameter and almost 100mm long & contains a great deal of hydraulic fluid. When new, this design provides a good compromise between ride and handling, however loss of the fluid as a result of poor road conditions or clipping a kerb is common even at very low mileage. The Crewman Cross8 weighs almost 2 tonnes unladen and if these hydraulic bushes are not in optimum condition the steering response and handling suffers greatly, causing the vehicle to seem unresponsive & heavy.

The solution is to replace both lower inner control arm bushes with **Nolathane**, especially the front bushes. The new Nolathane kits are **45466** front and **45503** rear and whilst they contain no fluid they are made from the softest **Nolathane** formulation ensuring no compromise in ride with significant improvement in handling and steering response. They genuinely transform the handling and steering character of these AWD models. The original front bush is steel cased and pressed into the front crossmember; therefore it is necessary to cut out the original. The replacement **Nolathane** kit is very easy to install. They are a simple two piece urethane design with washers cast into the flange faces to handle the load and a large front washer to give a progressive loading onto the tapered nose of the bush.

Typical Diagnosis of Failed Hydraulic Front Bushes

Roll the vehicle at low speed (3kph) and apply the brakes firmly. Have an observer safely watch the front wheel movement rearward during braking and (more easy to observe) forward during release of the brakes. Sudden wheel movement of 10mm or more is indicative of failure. The hydraulic fluid is water soluble so it is likely that any leakage will have washed off, so looking for leaking fluid is not the best diagnosis. (Refer **Nolathane Update 0503 – Hydraulic Suspension Bushes for more information.**)

*All other bushes and links are also now available in **Nolathane** for these AWD Holdens including the extra long ball style sway bar links and diff mount inserts.*

Designed to integrate and offer a fully balanced handling solution. **Nolathane** suspension offers replacement bushes and alignment products. So for a catalogue, brochure or technical information on any of the **Nolathane** products contact the Redranger team on **1300 88 2355** or visit www.nolathane.com.au



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