

# No More Shims!

New **Nolathane** Falcon "Worm Drive" camber and caster kits make shims obsolete!

Front camber and caster alignment on all Falcons from EA to BF use a shim system between the upper inner control arm housings and the inner guard. This system has limited adjustment and it is common to replace these housings with aftermarket units that permit the use of more shims or are offset for additional adjustment. This alignment system is time consuming and adjustment is limited by the shim thickness.

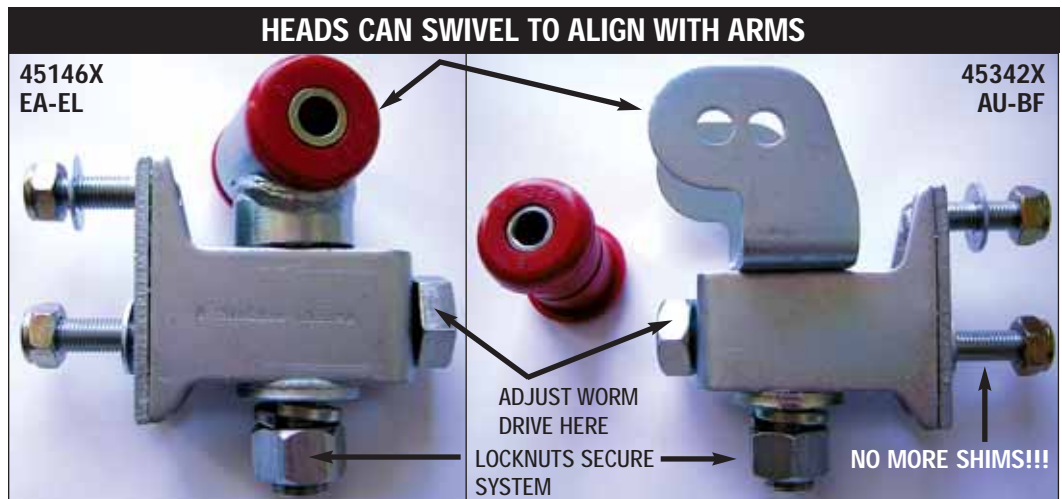
This shim system also places extreme loads on bushes when more caster is required. The head of the housing, and therefore the bushes, always sit parallel to the inner guard, however when more positive caster is required there are typically more shims on the front housing and less on the rear. This causes the inner arm bolts to load the bush flanges leading to reduced bush life.

On XR6 Turbo and XR8 models it's difficult to access the mounting nuts for the upper inner control arm housings due to the limited space between the turbo or engine and the inner guard. In most cases it is necessary to access these from underneath - not much fun every time you need to change a shim!

Nolathane's new "Worm Drive" camber and caster kits solve all of the above problems at a very competitive price. The unique "Worm Drive" system uses a large locknut on the base of the assembly and is adjusted via the head of the "Worm Drive" bolt at the front of the housing. The fine thread of the "Worm Drive" enables fine tuning of camber and caster with the added advantage of easy adjustment live on the aligning head. Once installed all adjustment is carried out under the guard - no need to lift the bonnet!

The head on each Nolathane "Worm Drive" housing has a limited amount of swivel permitted to self-align with the arm and this extends bush life dramatically. The design will not "freeze" up or self-adjust which has been a problem in the past with other non-shim designs. Kits are packaged as pairs, so two kits are required to do both sides of the vehicle and bushes are included.

The inner mounting holes on the 45342X are



for AU-BF down to and including XR ride-height and the outer mounting holes provide an additional one-degree positive adjustment on vehicles below XR height. This means that only two part numbers are required for all Falcons from EA-BF.

The existing Nolathane shim type kits will continue for the price conscious customer.

N.B.: Nolathane DO NOT recommend the use of Falcon camber/caster kits for use on Ford Territory as it removes the anti-dive geometry originally built into Territory. Nolathane part number 45542 is recommended for this application.

For a product update sheet or more information contact the Redranger Team on the numbers below or at [www.nolathane.com.au](http://www.nolathane.com.au)

*PICTURED LEFT: The Nolathane Falcon "Worm Drive" camber/caster kit when installed on the vehicle has a limited amount of swivel permitted so as to self-align with the arm and this extends bush life dramatically.*

COMPANY AT A GLANCE

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