

Fitting Instructions #1600IS

Ford Falcon

Camber Caster Adjusting Kit



Check kit for contents:

3 x 6mm Thick Shims	2 x Replacement Brackets
2 x 3mm Thick Shims	4 x Hex Lock Nuts
4 x 1.6mm Thick Shims	

Step 1: The vehicle wheel-alignment settings should be checked before fitting this adjustment kit so correct settings can quickly and easily be obtained.

Step 2: Raise the vehicle, and remove the original upper pivots.

Step 3: Fit the new brackets to the control arm, but do not tighten the pivot bolts at this stage. After deciding to increase or decrease the amount of caster or camber, fit the required shim stacks supplied to the front and/or rear brackets. Re-assemble the control arm to the chassis, making sure the shims are located correctly. Tighten the inner four mounting nuts to 35Nm. Replace the wheels, lower the vehicle, and tighten the two inner pivot bolts to 35Nm.

Note: Tighten the two inner pivot bolts with the vehicle at finished ride height.

Wheel-alignment must be performed on the vehicle after the kit is fitted.

Recommended settings:

	Sports Lowered suspension	Standard Suspension
Camber	$-1.0^{\circ} \pm 0.3^{\circ}$	$-0.5^{\circ} \pm 0.3^{\circ}$
Caster	$+7.0^{\circ} \pm 0.4^{\circ}$	$+6.8^{\circ} \pm 0.4^{\circ}$
Toe	Total in $1\text{mm} \pm 0.5\text{mm}$	Total in $1\text{mm} \pm 0.5\text{mm}$

Note Caster spread of up to $\frac{3}{4}$ of a degree lower on the driver's side of the vehicle to compensate for road camber is recommended.

#1600K – Designed to allow a greater range of adjustment to a standard height vehicle.

The Super Pro Replacement bracket kit with a shim stack of 1 x 6mm, 1 x 3mm & 1 x 1.6mm shims fitted to the front and to the rear brackets is the approx. dimensions of the original brackets removed from the vehicle. Therefore this shim setting will give the same settings as checked before commencing the adjustments.

#1600SLK – Specifically designed to correct negative camber problems, which are created by lowering vehicles.

Camber Change

A shim stack of 9mm fitted or removed from the front and rear bracket together changes the camber approx. 1 degree.

Caster / Camber Change

A shim stack of 6mm fitted or removed to the Front bracket only. Changes the caster approx. 1 degree and also changes the camber approx. 0.3 degree.

A shim stack of 6mm fitted or removed to the Rear bracket only. Changes the caster approx. 0.5 degree and also changes the camber approx. 0.5 degree.

Special Note: Some XR6 and XR8 vehicles may have factory modified inner pivot brackets fitted standard and only require shims to adjust the alignment settings.

Extra shims are available in packs of 10.

The following sizes are available:

1.6mm Thick

3.0mm Thick

6mm Thick

Part #1600-1.6K

Part #1600-3K

Part #1600-6K

