

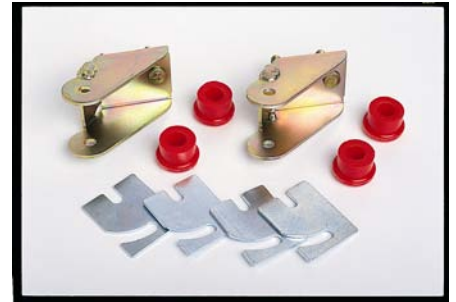
# FITTING INSTRUCTIONS

## CASTER & CAMBER ADJUSTMENT KIT

Suits: FORD FALCON / FAIRLANE / UTE AU - BF Falcon

### Kit Contents

Complete Housings	x 2	3.0mm Shims	x 12	Self Locking Nuts	x 4
Replacement Bushes	x 4	1.5mm Shims	x 4	Crush Tubes	x 2



**N.B:** These instructions should be used in conjunction with workshop manual.

**Note:** One kit adjusts one side only.

- For AU-BA std height to XR  
Use standard replacement kit - +/-1.5deg camber +/-1.5deg caster kit.  
For XR height or lower -Use +/-2.5deg camber +/-2.5deg caster kit. Refer current catalogue for part number.
- Perform normal pre-alignment procedures and then record the alignment angles.
- From the previous information and the suggested alignment settings, determine whether one or both sides require adjustment.
- Raise the front of the vehicle and support on chassis stands, remove the front wheels.
- Remove the 4 original pivot mount retaining nuts inside the engine bay.
- Swing out upper wishbone and fit pivots as direct replacement for the original pivot mounts.
- It is now necessary to calculate the shim pack required. To do this the following information should assist.  
(Figures are only approximate).  
**Note:** To obtain the initial figures as those with the O.E. pivots fit 1x6mm, 1x3mm & 1x1.5mm shims to both pivots. This should make the shim stack calculation easier. Eg, Housing +10.5mm shim pack = O.E. Pivot.
- Proceed with alignment settings as suggested below, if desired settings cannot be achieved refer section **To Alter Camber-Caster**

### Suggested alignment angles\*:

<b>Camber:</b>	-0.75 deg +/-0.25 deg
<b>Caster:</b>	+7 deg +/-0.25 deg
<b>Total toe:</b>	1mm total +/-0.5mm

**\*If these desired settings cannot be achieved refer to point 1**

### To Alter Camber:

- Removing shims at front and rear will move camber to the negative.
  - Adding shims at front and rear will move camber to the positive.
- Fitment or removal of 6.0mm shim from front and rear = 0.6 deg change.  
Fitment or removal of 3.0mm shim from front and rear = 0.3 deg change.  
Fitment or removal of 1.5mm shim from front and rear = 0.15 deg change.

### To Alter Caster:

- Removal of a front shim and reinstalling it in the rear moves caster to the negative.
  - Removal of a rear shim and reinstalling it in the front moves caster to the positive.
- Transfer a 6.0mm shim from one pivot to the other = 2 deg change.  
Transfer a 3.0mm shim from one pivot to the other = 1 deg change.  
Transfer a 1.5mm shim from one pivot to the other = 0.5 deg change.

- Reinstall the top control arm with the relevant shim stacks in place. Fit the new nuts supplied and tighten to 35Nm.
- Refit the wheels, lower the vehicle and bounce the front of the vehicle to settle the new suspension into its normal ride position. Tighten the 4 Inner pivot bolts to 35Nm.
- Recheck camber & caster. Adjust toe and road test vehicle. If desired specifications cannot be achieved, **refer point 1**.

**Note:** Additional shim kits are available.

<b>45351</b> -1.5mm	Pack 10	<b>45353</b> -3.0mm	Pack 10	<b>45354</b> -6.0mm	Pack 5
<b>45350</b> -1.5mm	Pack 100	<b>45352</b> -3.0mm	Pack 100	<b>45355</b> -6.0mm	Pack 50

**N.B:** It is recommended that a licenced workshop or trades person carry out the above procedure and that workshop manual and relevant safety procedures are followed in addition to the above.