

Fitting Instructions

KCA391

KCA392

WHITELINE

AUTOMOTIVE *Flat out*

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Application:

KCA391 - Ford Laser KF,KH 90-94, Mazda 323/Astina BG 89-94 - front wheel drive
KCA392 - Ford Laser KF,KH 90-94, Mazda 323/Astina BG 89-94 - four wheel drive

Always refer to current catalogue for complete application listing.

These kits are designed to add 0.5 deg static positive caster to both front wheels while changing the nature of front anti-dive and lift. The low compliance bush also maintain higher dynamic positive castor.

By changing the front control arm geometry, the new alloy mounts coupled with the new low compliance polyurethane bushes change front suspension attitude. This leads to superior traction under power including cornering, dramatically reducing understeer and front wheel spin.

The additional castor coupled with the new firmer bushes supplied serve to dramatically sharpen initial turn-in response, then forcing more consistent alignment angles through the corner due to the reduced bush compliance.

Kit Components:

- 2 x front lower control arm bushes, caster off-set
- 4 x spacer plates
- 4 x M12*35mm high tensile bolts
- 2 x M12*45mm (KCA391) / M12*75mm (KCA392) bolts
- 6 x M12 flat washers
- 6 x M12 spring washers
- 1 x grease bag

Fitting Instructions:

Please read and follow complete fitting instructions and check kit components prior to fitment. Whiteline recommends that all work be carried out by a qualified technician.

1. Measure wheel alignment settings prior to commencing any work.
2. Raise front of vehicle, support on safety chassis stands or hoist, and remove front wheels.
3. Undo rear bush mounting bracket bolts, and remove lower control arm rear bush assembly.
4. Press old bush out of the bracket.
5. Clean any flaking paint, rubber and dirt from bush housing, smear grease supplied onto the bushes.
6. Press new Whiteline caster bushes into original brackets and slide the bush onto the control arm rear pin. Refer to Fig. 1 for correct alignment of bushes and crush tubes.
7. Using new spacer plates and hardware as shown in photo 1, refit lower control arm, and lightly tighten all fittings.
8. Refit wheels, lower the vehicle and settle suspension. DO NOT drive at this stage.
9. With the suspension settled, and the vehicle at normal ride height, tighten all fittings to original manufacturers torque specifications.
10. Test drive the vehicle, and re-check all fittings.
11. Measure new wheel alignment settings, and adjust as required.

Post installation check and maintenance.

- Re-tension all fittings after a settling-in period, but not later than 100kms (60miles) after installation.
- For noise and friction free operation, carry out periodic inspections and maintain proper bush lubrication.

Warning: Please drive carefully while you accustom yourself to the changed vehicle behaviour.

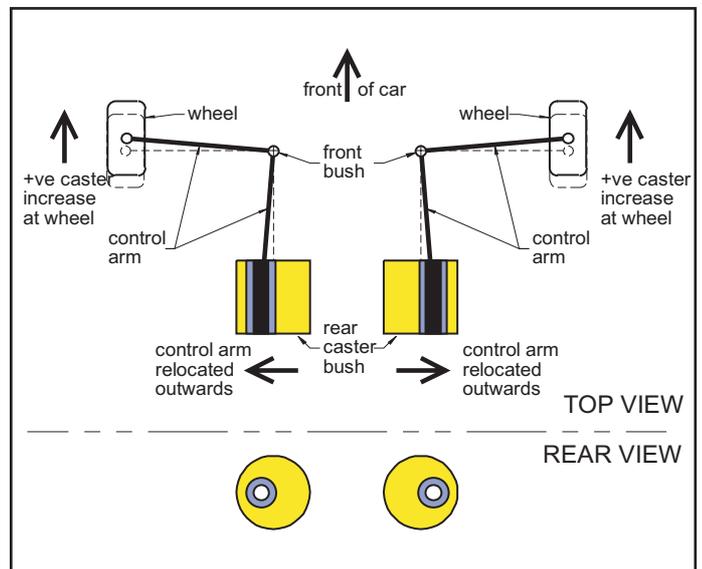


Figure 1.



Photo 1. KCA391 shown.