

# Fitting Instructions KCA382

# WHITELINE

*Flat out*

Code: Z297

Application: Holden / Opel Astra TS 1996-2004 Mk II  
Holden / Opel Vectra JR-JS 1996-02/2003  
Refer application to catalogue for exact listing.

***NOTE: Not suitable for models with vertical pivot bushes.***

**KCA382** is designed to increase caster setting by up to 0.5 degree, while at the same time reducing bush compliance. The result is dramatically improved traction, reduced understeer, increased negative dynamic camber, increased vehicle stability and steering feedback.

**KCA382** contains 2 bushes designed to replace front lower control arm - inner rear bush. Suitable for models with horizontal pivot lower control arm bushes only.

Contents: Each kit contains the following parts;

- 2 x front control arm, rear-bush - front half-bushes P/NO:67078
- 2 x front control arm, rear-bush - rear half-bushes P/NO:67077
- 2 x off-set tubes
- 1 x grease sachet

## Fitting Instructions:

Please read the complete fitting instructions and check kit components before commencing work. Whiteline recommend that all work be carried out by a qualified technician.

1. Measure wheel alignment settings.
2. Raise front of the vehicle, support the vehicle on safety chassis stands, and remove front wheels.
3. Remove lower control arm from vehicle.
4. Using suitable press, remove rear bushes from control arm.
5. Clean the inside of the control arm, and lubricate the bushes with grease supplied.
6. Fit new bushes to control arm.

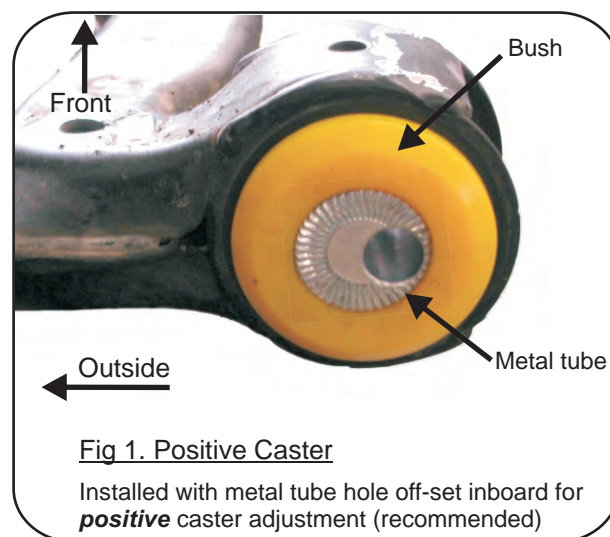
*Note: Bush with smaller shoulder (67078) must be facing towards the front of the car.*

7. Fit new off-set tubes into bushes.

*Note: To increase caster, align the metal tubes with the holes off-set towards the **inside** of the car. Refer Fig 1. This has the effect of lengthening the control arm, and pivoting the wheel forward about the front bush.*

8. Refit control arm to the vehicle and torque all bolts to manufacturer's settings.
9. Refit wheels, lower the vehicle, and test drive.
9. Measure wheel alignment and adjust as required.
10. Check & re-tension all fittings again after 100kms but no more than 200kms.

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.**