

Fitting Instructions KRR207X

WHITELINE

PO Box 5666, Minto, NSW, 2566 Australia
Ph: 61 2 9603 0111 Fax: 61 2 9820 2500
E-mail: admin@whiteline.com.au
A.B.N. 93 051 207 535

Flat out

Code: Z257

Application: Holden Commodore VB-VS

This kit contains a newly designed caster adjustment radius rod to suit all Commodores from VB to VS. Fitment of the rod will add between 0.8 to 2.0 degrees of positive caster at the wheel (worn OE rods stretch and decrease caster so net increase may be more.) Extra caster coupled with lower compliance bushes will dramatically improve steering response, stability and cornering through increased dynamic negative camber with minimal loss to dynamic caster.

It is recommended that a licensed workshop or trades person with wheel alignment facilities carry out the following procedures.

Contents:

- 2 x replacement radius rod
- 2 x replacement nyloc nuts
- 4 x caster adjustment shims
- 2 x front radius rod-to-cross member low compliance poly bushes
- 2 x metal crush tubes
- 1 x grease bag



Fitting:

1. Check wheel alignment and note existing caster settings to establish the amount of caster correction required. Inspect rear radius rod to control arm mounting bushes and replace if necessary during installation. **Do not use the KRR207X rod with worn components.**

2. Open kit and identify components.

3. Raise the vehicle, support on safety stands and remove front road wheels.

3. Disconnect sway bar link from sway bar. Remove existing radius rod to subframe mount nut.

4. Remove lower control arm inner mounting bolt and allow arm to droop. Remove existing radius rod, clean and inspect existing bushes and washers. Replace if necessary.

5. As per diagram, fit caster adjusting shims as required.

NOTE: Fitting new radius rod **WITHOUT** any extra caster adjusting shims will add approximately 2.0 degrees of caster (Refer diag 1). Use shims supplied behind the cross-member to reduce caster as required (Refer diag 2). Each caster adjusting shim will reduce caster by approximately 0.3 degree.

Whiteline recommends 0.5 deg caster offset (passenger 0.5 deg more positive then drivers side) to allow for road camber.

WARNING: Always check wheel/tyre to bodywork clearances, this may vary. Add more shims if required.

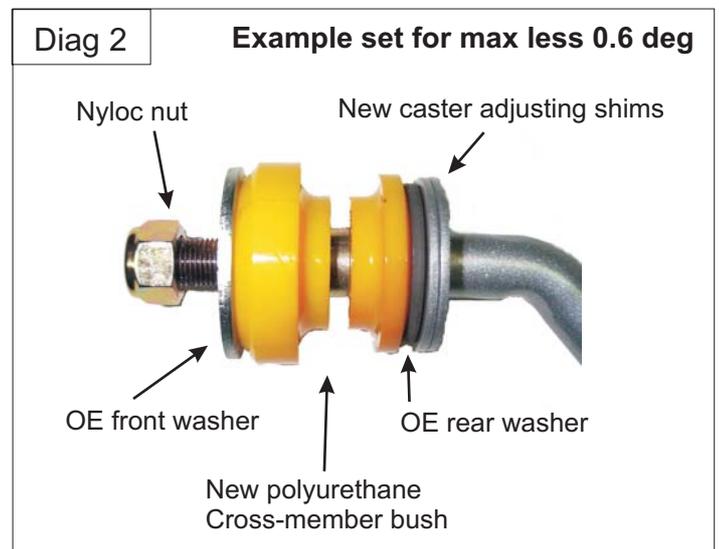
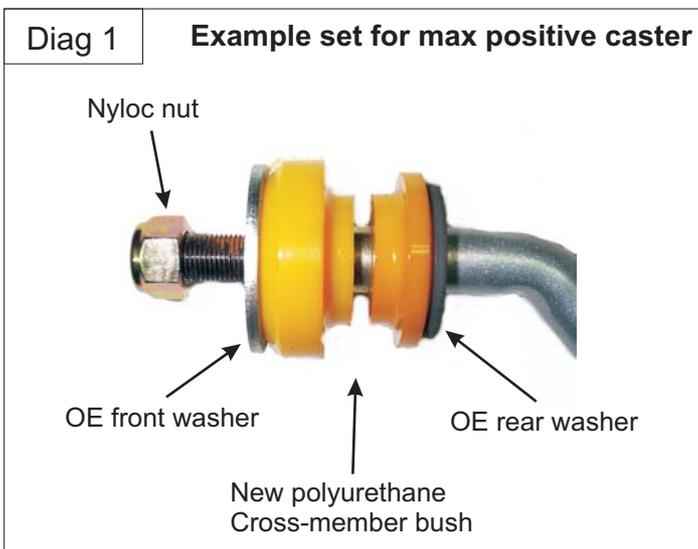
6. Fit factory (OE) rear washer, and new crush tube to the new radius rod. Grease all bush to metal surfaces. Fit new smaller bush, and insert the radius rod into subframe, Fit new large bush to the front followed by large OE washer and new nyloc nut.

7. Attach other end to the control arm then refit control arm to cross-member and sway bar link to sway bar.

8. Refit road wheels, lower and bounce the vehicle and tighten all nuts to manufacturer's specifications.

9. Road test, check caster readings and proceed with wheel alignment to adjust camber and toe.

It is recommended that all hardware is rechecked and tightened after 500kms.



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