

Fitting Instructions

KCA396

WHITELINE

AUTOMOTIVE *Flat out*

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Application:

Mitsubishi Lancer EVO 7-8-9 **Right-Hand-Drive only**

Always refer to current catalogue for complete application listing.

KCA396 is designed to raise front roll-centre geometry by using new specially engineered ball-joints, while maintaining original bump-steer by using new steering rack spacer kit.

Raising roll-centre results in a substantial increase to roll resistance and significant reduction of suspension compression of the outside front wheel during cornering through improved weight transfer distribution.

The outcome is significantly reduced understeer through reduced front wheel compression, as well as improved steering feel and precision and vehicle stability.

KCA396 can be used on standard vehicles, as well as together with and complementary to KCA387 Steering precision kit.

Contents:

- 2 x ball-joints with clips
- 2 x ball-joint dust boots
- 2 x steering rack mounting spacer plates - passenger side
- 4 x steering rack mounting spacer discs - driver side
- 2 x M12 * 35mm bolts
- 2 x M12 * 60mm bolts
- 4 x M12 spring washers
- 2 x M12 flat washers
- 3 x rear engine mount spacer discs (when used in conjunction with KCA387)

Fitting Instructions:

Please read complete fitting instructions and check kit components prior to fitment. Whiteline recommends that all work be carried out by a qualified technician. Installation of this product is best done with the vehicle on a hoist / lift.

1. It is recommended to measure wheel alignment settings prior to fitment.
2. Raise the vehicle with a hoist / lift or alternatively raise and support on safety chassis stands.
3. Remove front wheels.
4. Disconnect front swaybar links and remove front lower control arms.
5. Remove original ball-joint clips, and press out original ball-joints.
6. Press new ball-joints into front lower control arms, fit new circlips, and press new dust boots onto the new ball-joints, as shown in photo 1.
7. Remove exhaust and related parts, and partially remove cross-member by lowering it down to gain access to steering rack mounts.
8. Remove rear engine mounting bracket to gain access to steering rack.
9. Undo steering rack mounting bolts, and fit 2 spacer plates on the passenger side as shown in photo 3, and 4 spacer discs (2 on each mounting bush) on the drivers side as shown in photo 4, between bushes and cross-member. Tighten using new bolts and washers.
Note: When fitting in conjunction with KCA387 Steering precision kit, fit 3 spacer discs between rear engine mount bracket and cross-member.
10. Reassemble steering rack, rear engine mount, cross-member, exhaust, lower control arms, swaybar links and all other related parts.
11. Tighten all hardware to manufacturers torque specifications.
12. Refit front wheels, and lower the vehicle.
13. Test drive the vehicle, and re-check tension on all fasteners.
14. Measure wheel alignment, and adjust as required.
15. Check & re-tension all fittings again after 100km's but no more than 200km's.



Photo 1.



Photo 2.

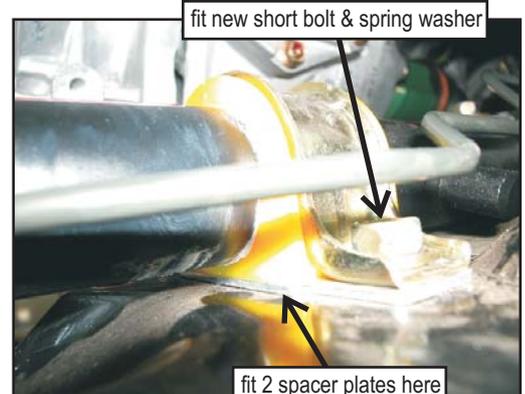


Photo 3.

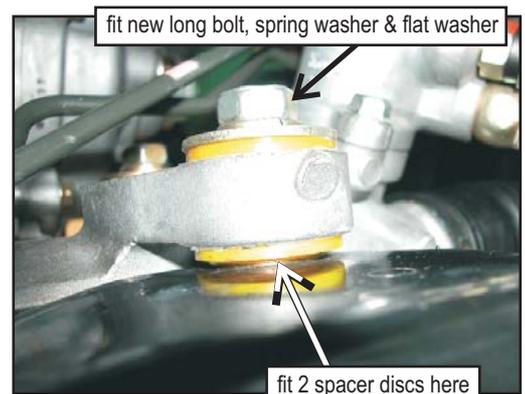


Photo 4.

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