



PART NO. 67415

Instruction

MAZDA3 REAR CAMBER ARM/TOE CAM

This part should only be installed by personnel who have the necessary skill, training and tools to do the job correctly and safely. Incorrect installation can result in personal injury, vehicle damage and / or loss of vehicle control.

Plan Ahead - Read All Instructions **BEFORE** installing part

Always check for loose or worn parts, tire pressure, and odd tire wear patterns.

1. Raise rear of vehicle and properly support by frame.
2. Remove lower forward control arm (**Figure 1**) from vehicle.
3. Before installing adjustable control arm, ensure that an equal amount of thread is showing on either side of the adjusting turnbuckle.
4. Install adjustable control arm with bushing end inboard. Attach clevis of adjustable control arm to knuckle using nut included with kit. Loosely install mounting hardware.
5. If desired camber correction requires additional toe change beyond the range of OE adjustment, install extended range toe cam bolt by following steps 6-8. Otherwise, proceed to step 9.
6. Remove rear lower control arm per manufacturer's procedure.

CAUTION: Spring is under load. Always use appropriate safety devices to support the weight of the vehicle while servicing any suspension component.

7. Using #85130 Rotary File Set or equivalent, elongate factory cam slots to edges of factory reaction brackets.
8. Reinstall lower control arm per manufacturer's procedure using SPC cam bolt on inboard side of arm. Loosely install mounting hardware.
9. Lower vehicle and tighten mounting bolts for adjustable lower control arm to manufacturer's specification. Tighten rear lower control arm to knuckle factory bolt to manufacturer's specification.
10. Adjust rear camber and toe using a combination of turnbuckle and toe cam. When finished, tighten cam bolt to 60 ft-lbs and tighten adjustable control arm lock nuts.

NOTE: Maximum length of arm is reached when machined flat on threaded rod is visible at end of turnbuckle adjuster. DO NOT lengthen arm beyond this point.

11. Complete alignment and road test vehicle.

Always check for proper clearance between suspension components and other components of the vehicle.

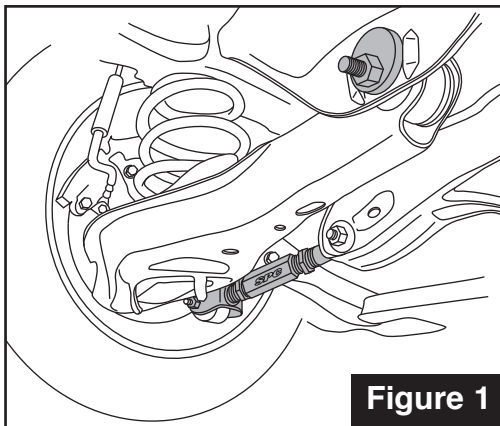


Figure 1