

# SPC

## PERFORMANCE®

**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.**

1. Always check for loose or worn parts, tire pressure and tire wear.
2. Raise vehicle by body pinch welds. Remove front tire and wheel assembly.
3. Remove strut assembly from vehicle by following manufacturer's recommended procedure.
4. Compress coil spring using manufacturer's recommended procedure and follow all safety precautions. Remove strut nut and upper mounting plate leaving upper spring seat and thick washer (if equipped) on spring.
5. Lightly pack new bearing with all purpose grease and transfer concave washer from bottom of old bearing to new bearing.
6. Install lower mount with bearing (#1) onto strut. Install original strut nut onto strut shaft and tighten to manufacturer's specifications. Remove spring compressor.
7. Install small cover plate (#2) so numbers around center hole are visible. Use four button head cap screws (#3) to secure plate and torque to 15-18 lb-ft.
8. Install top plate (#4) using table below to determine proper position of small lower plate (#2). Secure with four socket head cap screws (#5) along with five-hole washer (#6). Align the center hole in the washer (#6) with the center slot in the slide plate (#4). This will allow access to adjustable struts using SPC tool #72095.

**Note: The mount is offset for .5 degree caster change OR additional camber change with no caster change. Refer to the table below for installation position. If using the caster offset, no access to adjustable struts is possible. This option is only available for camber adjustments.**

9. Reinstall strut into vehicle following manufacturer's recommended procedure making sure top plate is in proper position for right or left side.
10. To adjust camber, raise vehicle by body, loosen four socket head cap screws and slide strut. Torque screws to 15-18 lb-ft.

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

11. Recheck alignment readings, adjust toe, and road test vehicle.

**Align mark on top plate with number for desired change.**

Vehicle Wheel	#1	#2	#3	#4
Front Left	Negative Caster	Negative Camber	Positive Caster	Positive Camber
Front Right	Negative Caster	Positive Camber	Positive Caster	Negative Camber

