

# Wheel Alignment

## Caster Inspection/Adjustment

NOTE: Check tires for proper inflation before inspection/adjustment.

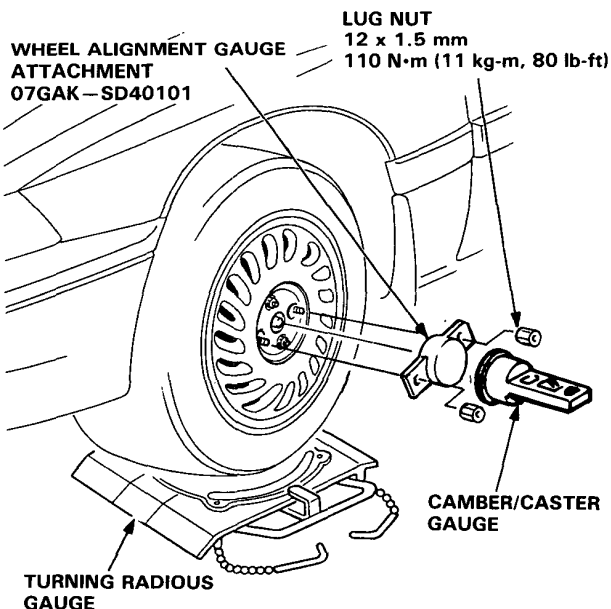
1. Jack up the front of the car and set the turning radius gauges beneath the front wheels, then lower the car.
2. Jack up the rear of the car, place boards under the rear wheels the same thickness as one of the turning radius gauges, then lower the car.

3. Remove two lug nuts and install the Wheel Alignment Gauge Attachment.

NOTE: Make sure that the special tool is installed parallel to the front hub by using a depth gauge through the three holes in the special tool.

4. Install a camber/caster gauge on the Wheel Alignment Gauge Attachment and apply the front brake. Turn the wheel 20° inward.
5. Turn the adjust screw so that the bubble in the caster gauge is at 0°.
6. Turn the wheel 20° outward and read the caster on the gauge with the bubble at the center of the gauge.

Caster Angle:  $1^{\circ}40' \pm 1^{\circ}$



7. If adjustment is required, record the caster reading, then go to step 8. If adjustment is not required, remove alignment equipment.

8. Loosen the radius rod attaching bolts at the lower arm.

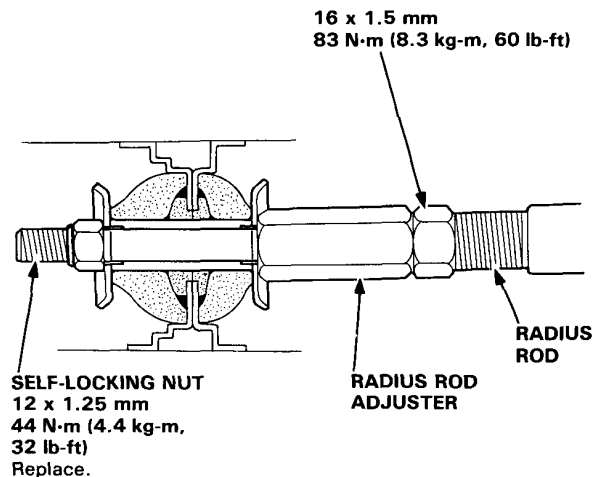
9. Loosen the radius rod adjuster locknut, and the self-locking nut on the end of the radius rod.

10. Adjust the caster by turning the radius rod adjuster as required.

To increase : Turn the adjuster in.

To decrease : Turn the adjuster out.

NOTE: Turning the adjuster one full turn moves the radius rod 1.25 mm, and changes the caster  $0^{\circ}14'$ .



11. Tighten the radius rod attaching bolts and radius rod adjuster locknut, then tighten the self-locking nut.

12. Recheck the caster adjustment.