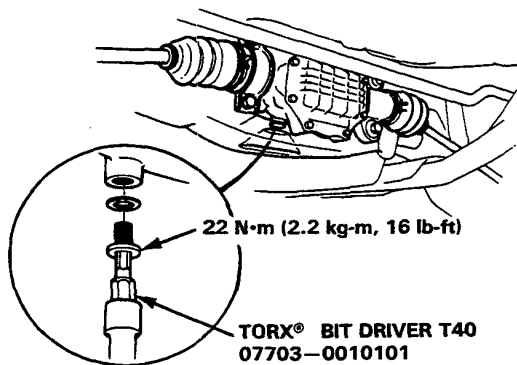


# On-Car Checks

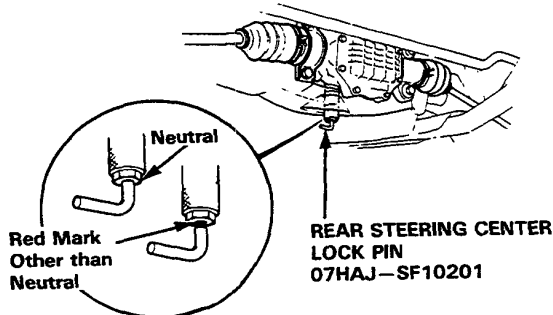
## 4WS Steering Gearbox Centering

NOTE: Use the following procedure after reassembling/replacing the steering gearbox components, or in preparing to solve customer complaints of mis-adjusted steering wheel angle.

1. Center the steering and steering wheel "by sight."
  2. Install the Center Lock Pin in the rear steering gearbox.
- Raise the rear of the car and support on safety stands in proper locations.
  - Remove the gearbox cap bolt using a Special Tool.

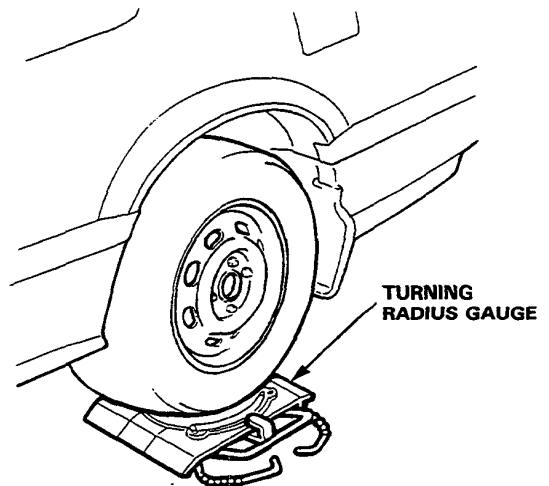


3. Turn the steering wheel right or left slightly until the Center Lock Pin seats fully.
- The red mark on the pin should not be visible.
  - Do not turn the steering wheel quickly when the Center Lock Pin is seated and do not force past the locking point after the Pin is seated, or the Pin may be damaged.



## Rear Wheel Turning Angle Inspection (4WS)

1. Set the turning radius gauges at the rear wheels.
2. Apply the brake turn the steering wheel 127° to right and check the rear wheel  
Turning angle: 1° 30' ± 30'
3. Turn the steering back to center, apply the brake and turn the steering wheel 127° to the left. Check the rear wheel turning angle again:  
1° 30' ± 30'
4. Apply the brake and turn the steering wheel right and left to full lock.
5. At both left and right full lock, the rear wheel max turning angle should be:  
Wheel pointing inward : 5°00' ± 1°  
Wheel pointing outward : 5°20' ± 1°



6. If not as specified, see Alignment, page 18-3. If not correctable by re-alignment, the rear steering gearbox may need to be replaced.