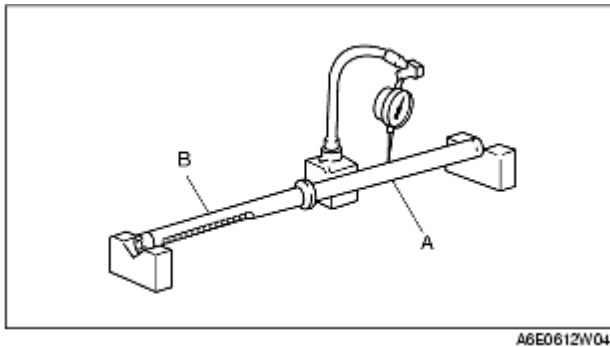


STEERING GEAR AND LINKAGE INSPECTION

B3E061432960W03

Steering Rack Inspection

1. Inspect for cracking, damage, and tooth wear.
 - If there is any malfunction, replace the steering rack.
2. Measure the steering rack warp.



- If it exceeds the maximum specification, replace the steering rack.

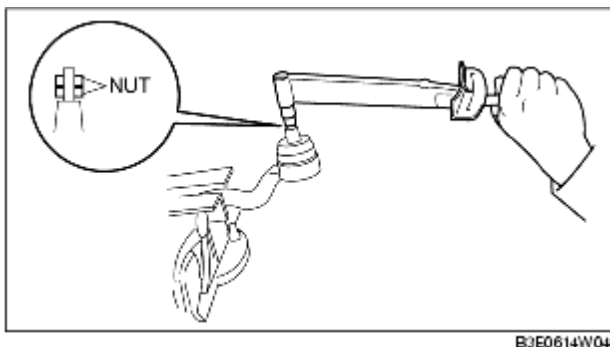
Minimum

Near point A: 0.15 mm {0.006 in}

Near point B: 0.20 mm {0.008 in}

Tie-rod End Inspection

1. Inspect the tie-rod end for damage and the boot for cracks.
 - If there is any malfunction, replace the tie-rod end.
2. Inspect for excessive play.
 - If there is any malfunction, replace the tie-rod end.
3. Rotate the ball joint **10 times**.
4. Install two nuts to the ball joint and measure the tie-rod end rotational torque using a torque wrench.



- If not within the specification, replace the tie-rod end.

Standard rotational torque**0.5-3.0 N·m {6-30 kgf·cm, 5-26 in·lbf}**

Tie rod Inspection

1. Inspect for bending and damage.

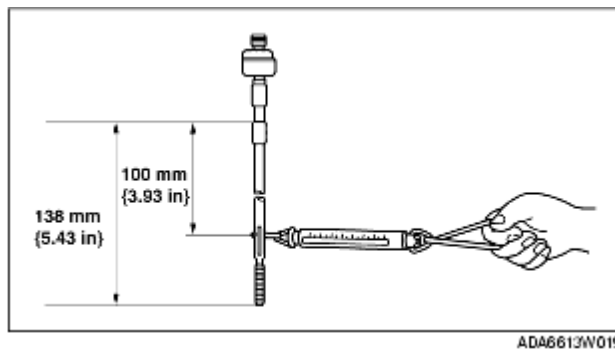
- If there is any malfunction, replace the tie rod.

2. Inspect for excessive play.

- If there is any malfunction, replace the tie rod.

3. Swing the ball joint **10 times**.

4. Measure the ball joint swing torque using a pull scale.



- If it exceeds the specification, replace the tie rod.

Standard swing torque**0.4-4.0 N·m {5-40 kgf·cm, 4-35 in·lbf}****Pull scale reading****0.6-29.3 N {0.06-2.98 kgf, 0.14-6.58 lbf}**