

STEERING GEAR AND LINKAGE

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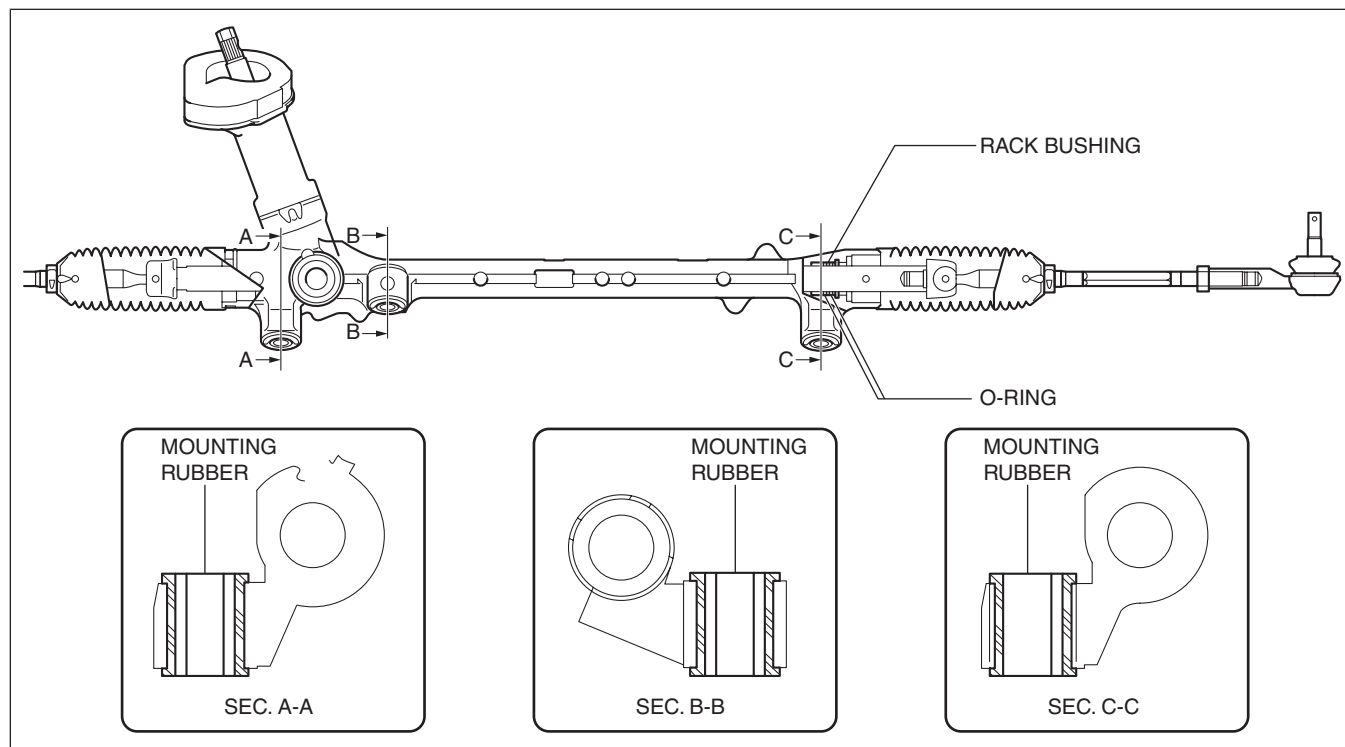
Purpose/ Function

- The rotational movement input from the intermediate shaft is converted to a linear movement in the horizontal direction of the steering rack by the rack and pinion mechanism, and then transmitted to the tires and wheels.

Construction

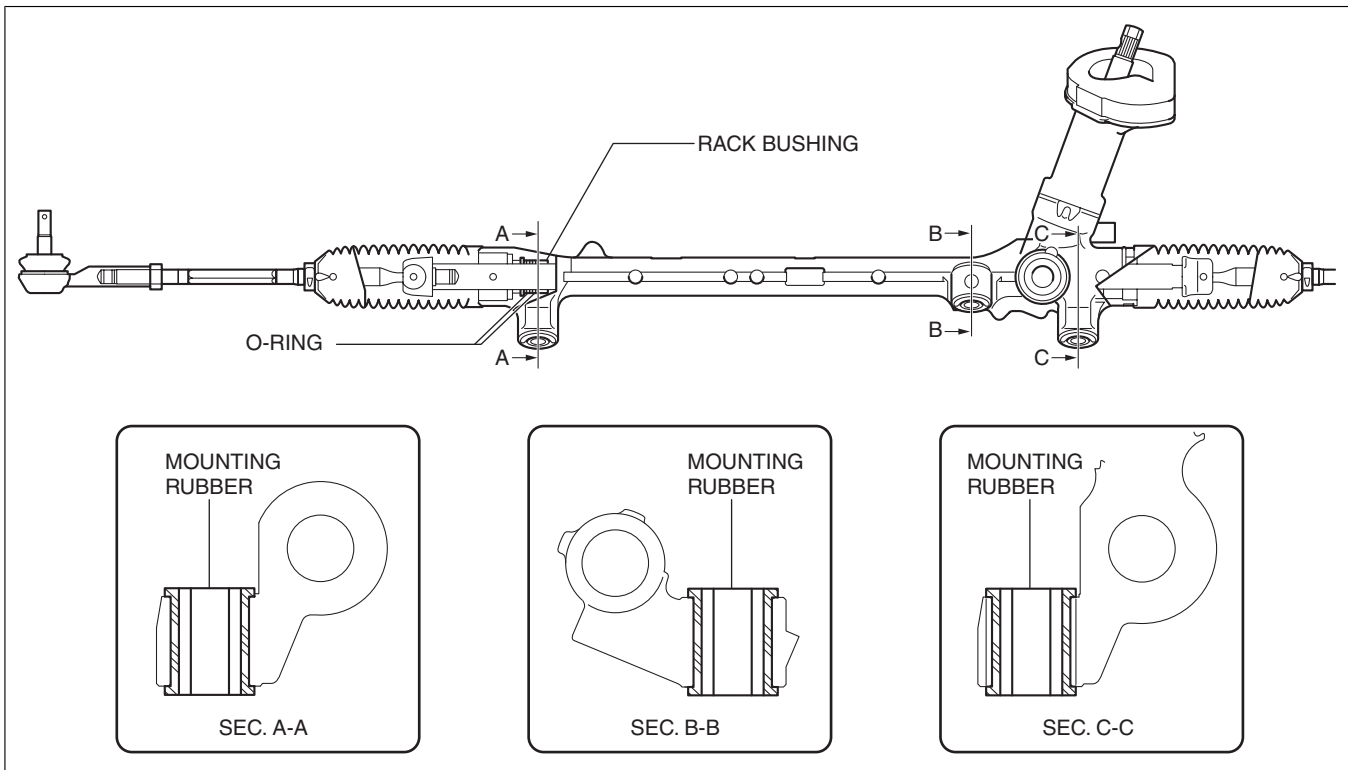
- A size and weight-reduced rack and pinion system steering gear has been adopted.
- Response and handling stability have been improved by the heightened support rigidity due to the integration of the steering gear mounts (three locations) and gear housing.
- By using a higher steering gear ratio (15.5), the steerability has been improved.
- By using O-rings on the support yoke and rack bushing, quietness has been improved.

L.H.D.



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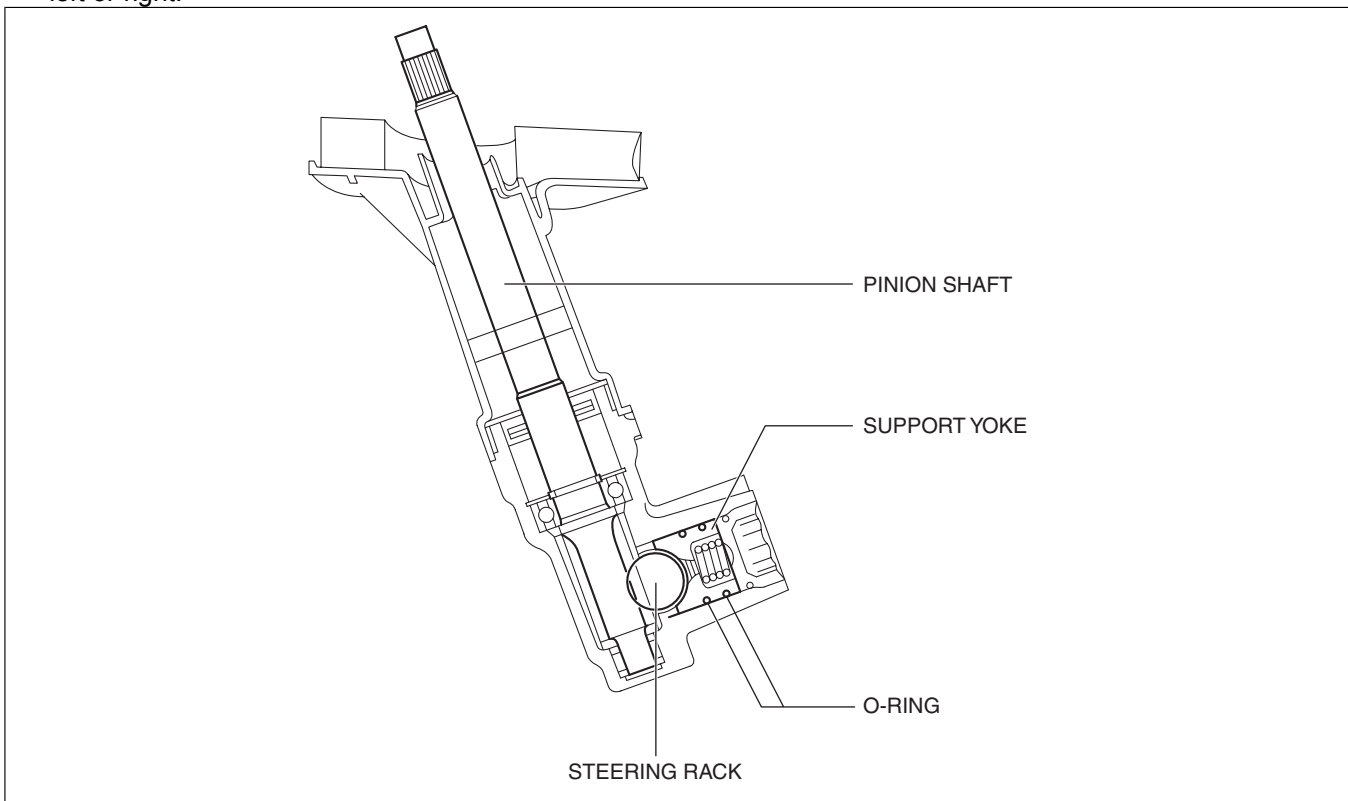
R.H.D.



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Operation

- The rotational movement input from the steering shaft is converted to a linear movement in the horizontal direction of the steering rack by engaging the pinion shaft connected to the steering shaft and teeth of the steering rack. This linear movement is transmitted via the inner and outer ball joints to the steering knuckle to steer the tires left or right.



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Fail-safe

- Function not equipped.