

# SHOCK ABSORBERS

Shock absorbers play a very important role in providing a comfortable ride.

They are installed along with springs between the vehicle body and the wheels. When the springs receive road shocks, the vehicle body vibrates up and down due to the spring action.

Shock absorbers eliminate this body vibration for a more comfortable ride.

## Genuine Nissan Shock Absorbers Provide:

1. Comfortable ride under severe driving conditions
2. Smooth steering and easy handling
3. Quietness
4. Long service life

Matching the body is the most important factor for shock absorbers. Genuine shock absorbers are specially designed to be ideally suited to the respective Nissan model. They provide Nissan vehicles with the most appropriate damping effects according to comprehensive research and repeated tests.

### Piston Rod:

Extremely solid material is utilized to receive the force from all expected directions.

### Rod Seal:

This sealing is virtually perfect, so no oil leaks out.

### Rod Guide:

This is engineered to ensure smooth piston movement despite forces from any directions.

### Piston:

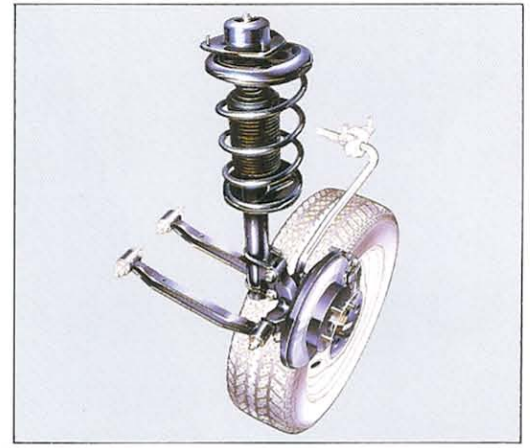
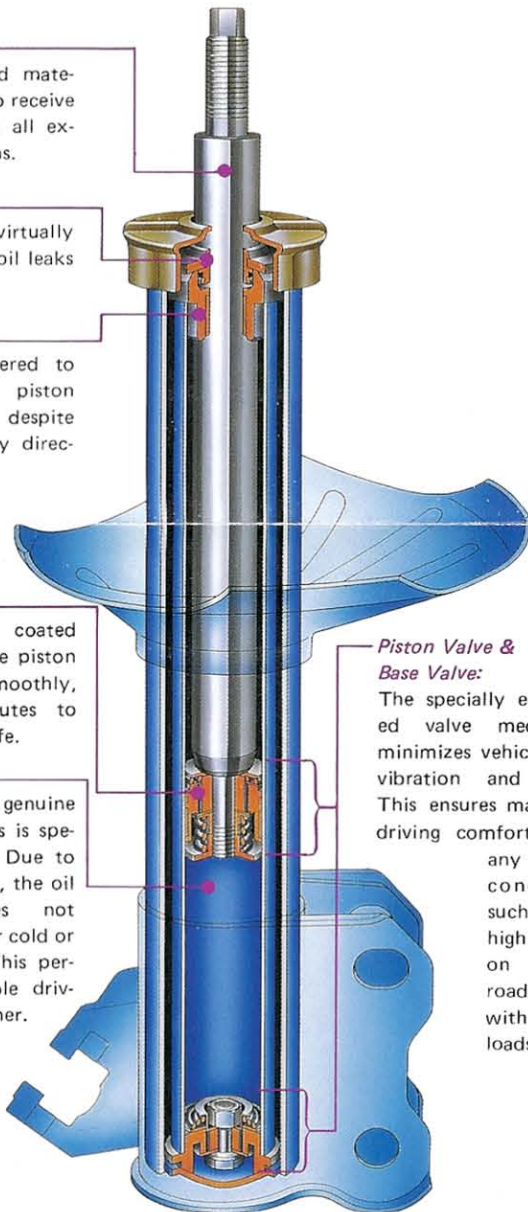
The specially coated ring enables the piston to move smoothly, which contributes to longer service life.

### Oil:

The oil in the genuine shock absorbers is specially blended. Due to its high quality, the oil viscosity does not change in either cold or hot weather. This permits comfortable driving in any weather.

### Piston Valve & Base Valve:

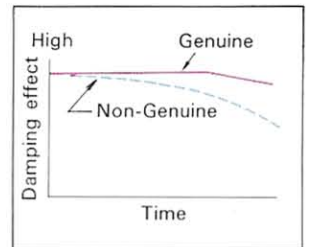
The specially engineered valve mechanism minimizes vehicle body vibration and noise. This ensures maximum driving comfort under any driving conditions such as at high speed, on gravel roads or with heavy loads.



## How Genuine Nissan Shock Absorbers differ from Non-Genuine:

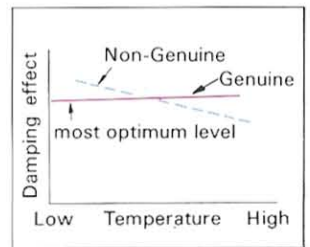
### Resistance to wear:

Genuine Nissan shock absorbers maintain their damping effects over a longer period. This is because parts such as the rod guide and piston are specially engineered to minimize friction and enable smooth movement.



### Resistance to temperature variation:

Genuine Nissan shock absorbers show stable damping effects over a wider range of temperatures due to the excellent oil used. Non-genuine shock absorbers are significantly influenced by temperature variation.



## Non-genuine shock absorbers cause problems:

1. Hard steering
2. Poor braking performance
3. Poor vehicle stability
4. High fuel consumption
5. Early wear on tires, suspension and steering parts

Non-genuine shock absorbers are manufactured to supply many vehicle models with limited kinds of shock absorbers. They can not meet the specific requirements of Nissan vehicles, which vary widely depending on the model.



## CLUES FOR SHOCK ABSORBER REPLACEMENT

### 1. Pitching

If pitching results when you push on a bumper, this is due to weakened shock absorbers.



### 3. Oil leakage

If you see oil leaking down the outer tube, the shock absorber requires replacement.



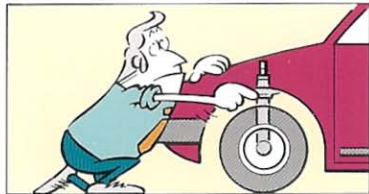
### 2. Nose-lift or nose-dive

Shock absorbers need to be replaced, if there is nose-lift or nose-dive when you rapidly depress the brake pedal while driving slowly.



### 4. Cold shock absorber

Touch the shock absorber immediately after driving. If it is warm, it is in good condition. However, if cold, the shock absorber should be changed.



# GENUINE NISSAN SHOCK ABSORBERS