POSSIBLE DEGRADATION OF STRUT BEARINGS

AND STRUT SUPPORT BEARINGS

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With You

GENERAL RECOMMENDATIONS

- Use original quality parts
- Never reinstall a damaged part
- Replace the strut bearing and the strut mount when replacing the shock absorber

EFFECTS

Corrosion of the strut bearing

- Replace in pairs (left and right)
- Replace all parts supplied in the NTN-SNR kits (screws, nuts, etc.)
- Make sure to install all parts in the correct order and in the correct orientation



A damaged strut bearing extends braking distance by 15%

Don't forget to change the struts bearing and their strut mount each time you change the shock absorbers (always in pairs)

CORROSION



DRIVING IMPRESSIONS

- Steering is heavier
- Continuous squeal when turning steering wheel or on damaged road surfaces

CAUSES

- Damaged boot (poor quality part,
- weather conditions) Bad seal integrity
- Ingress of contaminants such as water, salt, mud, sand, etc.
- Vehicle age

TEARING OF THE STRUT DAMPING BLOCK



CAUSES

- Poor road surface condition
- Feeling of float in front axle Degraded suspension performance

DRIVING IMPRESSIONS

Uneven wear of front tyres

- Inappropriate driving (driving up onto the curb at high speed, etc.)
 - Ingress of contaminants
 - Defective shock absorber
 - Missing components from the assembly (support cup)

EFFECTS

- Perforation of strut damping block by
- the shock absorber piston rod
- Windscreen fracture

RECOMMENDATIONS

• Locate contaminant water ingress and replace corroded strut bearing and probably the boot as well

RECOMMENDATIONS

• Replacement of the two complete strut mount kits

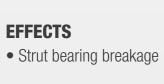
FRACTURE

DRIVING IMPRESSIONS

- Steering is heavier
- Noise on damaged road surfaces or when turning steering wheel

CAUSES

- Bad road condition (repeated passage through potholes) across speed bumps)
- Too frequent shocks Defective strut bearing





RECOMMENDATIONS

• Determination of the cause and repair by replacement of the complete strut mount on both sides

MATERIAL DAMAGE

DRIVING IMPRESSIONS

Reduced comfort **CAUSES**

- Extreme weather conditions (very low or very high
- temperatures) • Chemical contamination (brake fluid, oil, etc.)
- **EFFECTS**

• Reduced product service life due to material damage



RECOMMENDATIONS

• Determination of the cause and repair by replacement of damaged strut damping block

FALSE BRINELL EFFECT (FBE)

DRIVING IMPRESSIONS

• Noticeable immediately on first use of vehicle, "clack" sound of spring on damaged road surfaces

CAUSES

• Micro-vibrations during transportation of vehicles on truck or train



• Damage of the strut bearing



RECOMMENDATIONS

Replacement of strut bearings or complete Strut mount in pairs

INVERTED INSTALLATION

DRIVING IMPRESSIONS

- Steering is heavier
- Risk of increasing noise level

CAUSES • The strut bearing was not installed in the correct orientation

EFFECTS

- Damage of the strut damping block
- Possible failure to pass motor vehicle inspection

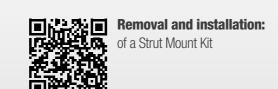




RECOMMENDATIONS

• Carefully follow the correct order and orientation of each component make and make ensure no parts are missing.





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