

Vibration Diagnostics Checklist

Start

1



Gather Info

When did vibration start? _____ Speed dependent? _____
Where is vibration felt? _____ RPM dependent? _____
What road conditions? _____ Noise? _____
Under load or high torque conditions? _____ Suspension modified recently? _____
During acceleration/deceleration _____ Lube clean and at proper level _____

2



Road Test

Have vehicle driver recreate complaint condition, if possible
Leave trailer attached
Run up to suspected RPM and put transmission in neutral

3



Simulate Conditions

Speed
RPM
Gear Position
Coast
Under power
Loaded / Unloaded

4



Record Findings

Speed _____
RPM _____
Gear position _____
Coast _____
Under power _____
Loaded / Unloaded _____

5



Stationary Inspection

Tires
Rims
Dented driveshaft tubing
Engine supports
Driveshaft center bearing

6

Vibrations While Stationary ?

See Flowchart on Reverse Side

Other Notes



Vibration Diagnostics

Start

Important: Use factory service manuals and procedures and refer to all applicable safety precautions when servicing vehicles. This document is intended to assist with drivetrain vibration diagnosis. It does not guarantee an immediate solution nor does it guarantee warranty responsibility or reimbursement. Refer to Roadranger.com for Product Warranty Statements, Warranty Manual, and Warranty Guidelines.

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Where is vibration felt?
What road conditions?
Under load or high torque conditions?
During acceleration/deceleration?
Speed dependent?
RPM dependent?
Noise?
Suspension modified recently?
Lube clean and at proper level?
- 2 Road Test**
Have vehicle driver recreate complaint condition, if possible
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- 3 Simulate Conditions**
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RPM
Gear Position
Coast
Under power
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- 4 Record Findings**
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- 5 Stationary Inspection**
Tires
Rims
Dented driveshaft tubing
Engine supports
Transmission supports
Driveshaft center bearing

