



**** SOLUTION ****

Title	Volvo Chassis - Vibration Questionnaire, Driveline Worksheet And Rough Ride Check Sheet
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Volvo Models

Volvo Model	VNL , VNM , VNX , VAH , VHD
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Emission Standard

Emission Standard	US07 , US10 , US10+OBD13 , US14 , US14+OBD15 , US14+OBD16
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Engine family

Engine family	D12 , 11L Engine , 13L Engine , 16L Engine
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**** SOLUTION ****

Cause	This Questionnaire and Check Sheet should be used to help confirm and possibly isolate the area where the Vibration / Rough Ride issue exists.
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Solution	For more information on a Volvo Chassis with a Vibration / Rough Ride issue see the Vibration Questionnaire here , Driveline Angle Worksheet here and Rough Ride Check Sheet here .
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Recommended Tools

Wheel Center Tool



Wheel/Tire/Hub Runout Tool



Solution visibility	Dealer distribution
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Function(s)/component(s) affected

Function affected	Cab Components , chassis , engagement , axle , steering axle , Engine , tires/wheels , Drive Axle , suspension
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Function Group

Function Group	70 general , 766 vehicle level system , 771 wheel and wheel trim
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Customer effect

Main customer effect	vibration , diagnostics/methodology
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Conditions

Vehicle operating mode	when driving
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Frequency of occurrence of problem	always
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Administration

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