

General Diagnostic Table

DRIVE SHAFT SYSTEM

9. General Diagnostic Table

A: INSPECTION

NOTE:

Vibration while cruising may be caused by an unbalanced tire, improper tire inflation pressure, improper wheel alignment, etc.

Symptoms	Possible cause	Corrective action
Noise or vibration from propeller shaft	<ul style="list-style-type: none">• Center bearing• Runout of propeller shaft• Loose or gap at connections	Inspect the propeller shaft. <Ref. to DS-16, INSPECTION, Propeller Shaft.>
Abnormal wheel vibration	Wheel is out of balance.	Check the wheel balance. <Ref. to WT-7, WHEEL BALANCING, INSPECTION, Tire and Wheel.>
	Front wheel alignment	Check the front wheel alignment. <Ref. to FS-7, INSPECTION, Wheel Alignment.>
	Rear wheel alignment	Check the rear wheel alignment. <Ref. to RS-9, INSPECTION, Wheel Alignment.>
	Front strut	Check the front strut. <Ref. to FS-45, INSPECTION, Front Strut.>
	Rear shock absorber	Check the rear shock absorber. <Ref. to RS-31, INSPECTION, Rear Shock Absorber.>
	Front axle shaft	Check the front axle shaft. <Ref. to DS-64, INSPECTION, Front Drive Shaft.>
	Rear axle shaft	Check the rear axle shaft. <Ref. to DS-75, INSPECTION, Rear Drive Shaft.>
	Hub unit COMPL - front axle	Check the hub unit COMPL - front axle. <Ref. to DS-35, INSPECTION, Front Hub Unit Bearing.>
Noise from the underbody	Hub unit COMPL - rear axle	Check the hub unit COMPL - rear axle. <Ref. to DS-56, INSPECTION, Rear Hub Unit Bearing.>
	Wheel is out of balance.	Check the wheel balance. <Ref. to WT-7, WHEEL BALANCING, INSPECTION, Tire and Wheel.>
	Front wheel alignment	Check the front wheel alignment. <Ref. to FS-7, INSPECTION, Wheel Alignment.>
	Rear wheel alignment	Check the rear wheel alignment. <Ref. to RS-9, INSPECTION, Wheel Alignment.>
	Front strut	Check the front strut. <Ref. to FS-45, INSPECTION, Front Strut.>
	Rear shock absorber	Check the rear shock absorber. <Ref. to RS-31, INSPECTION, Rear Shock Absorber.>

VEHICLE DYNAMICS CONTROL (VDC)

VDC

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