

7. General Diagnostic Table

A: INSPECTION

NOTE:

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

Symptom	Possible cause	Corrective action
Noise or vibration from propeller shaft	Center bearing	Check the center bearing. <Ref. to DS-15, CENTER BEARING FREE PLAY, INSPECTION, Propeller Shaft.>
	Runout of propeller shaft	Check for deflection of the propeller shaft. <Ref. to DS-14, RUNOUT OF PROPELLER SHAFT, INSPECTION, Propeller Shaft.>
	Loose or gap at connections	Check the joints and connectors. <Ref. to DS-14, JOINTS AND CONNECTIONS, INSPECTION, Propeller Shaft.>
		Check the spline and bearing. <Ref. to DS-14, SPLINES AND BEARING LOCATIONS, INSPECTION, Propeller Shaft.>
Abnormal wheel vibration	Wheel is out of balance.	Check the wheel balance. <Ref. to WT-7, ADJUSTMENT, Wheel Balancing.>
	Wheel alignment	Check the wheel alignment. <Ref. to FS-5, INSPECTION, Wheel Alignment.>
	Front strut	Check the front strut. <Ref. to FS-18, INSPECTION, Front Strut.>
	Rear strut	Check the rear strut. <Ref. to RS-12, INSPECTION, Rear Strut.>
	Front drive shaft	Check the front drive shaft. <Ref. to DS-34, INSPECTION, Front Drive Shaft.>
	Rear drive shaft	Check the rear driveshaft. <Ref. to DS-40, INSPECTION, Rear Drive Shaft.>
	Front axle	Check the wheel alignment. <Ref. to DS-21, INSPECTION, Front Axle.>
	Rear axle	Check the rear axle. <Ref. to DS-29, INSPECTION, Rear Axle.>
Noise from the underbody	Wheel is out of balance.	Check the wheel balance. <Ref. to WT-7, ADJUSTMENT, Wheel Balancing.>
	Wheel alignment	Check the wheel alignment. <Ref. to FS-5, INSPECTION, Wheel Alignment.>
	Front strut	Check the front strut. <Ref. to FS-18, INSPECTION, Front Strut.>
	Rear strut	Check the rear strut. <Ref. to RS-12, INSPECTION, Rear Strut.>

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