

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 | Center bearing | Check the center bearing. <Ref. to DS-12, CENTER BEARING FREE PLAY, INSPECTION, Propeller Shaft.> |
| | Runout of propeller shaft | Check for deflection of the propeller shaft. <Ref. to DS-12, RUNOUT OF PROPELLER SHAFT, INSPECTION, Propeller Shaft.> |
| | Loose or gap at connections | Check the joints and connectors. <Ref. to DS-11, JOINTS AND CONNECTIONS, INSPECTION, Propeller Shaft.> |
| | | Check the spline and bearing. <Ref. to DS-11, SPLINES AND BEARING, INSPECTION, Propeller Shaft.> |
| Abnormal wheel vibration | Wheel is out of balance. | Check the wheel balance. <Ref. to WT-4, 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-8, INSPECTION, Wheel Alignment.> |
| | Front strut | Check the front strut. <Ref. to FS-24, INSPECTION, Front Strut.> |
| | Rear shock absorber | Check the rear shock absorber. <Ref. to RS-14, INSPECTION, Rear Shock Absorber.> |
| | Front drive shaft | Check the front drive shaft. <Ref. to DS-29, INSPECTION, Front Drive Shaft.> |
| | Rear drive shaft | Check the rear drive shaft. <Ref. to DS-34, INSPECTION, Rear Drive Shaft.> |
| | Front hub unit bearing | Check the front hub unit bearing. <Ref. to DS-18, INSPECTION, Front Hub Unit Bearing.> |
| | Rear hub unit bearing | Check the rear hub unit bearing. <Ref. to DS-25, INSPECTION, Rear Hub Unit Bearing.> |
| Noise from the underbody | Wheel is out of balance. | Check the wheel balance. <Ref. to WT-4, 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-8, INSPECTION, Wheel Alignment.> |
| | Front strut | Check the front strut. <Ref. to FS-24, INSPECTION, Front Strut.> |
| | Rear shock absorber | Check the rear shock absorber. <Ref. to RS-14, INSPECTION, Rear Shock Absorber.> |

General Diagnostic Table

DRIVE SHAFT SYSTEM

VEHICLE DYNAMICS CONTROL (VDC)

VDC

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