

General Diagnostic Table

DRIVE SHAFT SYSTEM

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-16, CENTER BEARING FREE PLAY, INSPECTION, Propeller Shaft.> |
| | Runout of propeller shaft | Check for deflection of the propeller shaft. <Ref. to DS-16, RUNOUT OF PROPELLER SHAFT, INSPECTION, Propeller Shaft.> |
| | Loose or gap at connections | Check the joints and connectors. <Ref. to DS-15, JOINTS AND CONNECTORS, INSPECTION, Propeller Shaft.> |
| | | Check the spline and bearing. <Ref. to DS-15, SPLINES AND BEARING LOCATIONS, INSPECTION, Propeller Shaft.> |
| Abnormal wheel vibration | Wheel is out of balance. | Check the wheel balance. <Ref. to WT-8, ADJUSTMENT, Wheel Balancing.> |
| | Wheel alignment | Check the wheel alignment. <Ref. to FS-6, INSPECTION, Wheel Alignment.> |
| | Front strut | Check the front strut. <Ref. to FS-20, INSPECTION, Front Strut.> |
| | Rear strut | Check the rear strut. <Ref. to RS-13, INSPECTION, Rear Strut.> |
| | Front drive shaft | Check the front drive shaft. <Ref. to DS-35, INSPECTION, Front Drive Shaft.> |
| | Rear drive shaft | Check the rear drive shaft. <Ref. to DS-41, 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-8, ADJUSTMENT, Wheel Balancing.> |
| | Wheel alignment | Check the wheel alignment. <Ref. to FS-6, INSPECTION, Wheel Alignment.> |
| | Front strut | Check the front strut. <Ref. to FS-20, INSPECTION, Front Strut.> |
| | Rear strut | Check the rear strut. <Ref. to RS-13, INSPECTION, Rear Strut.> |