

General Diagnostic Table

FRONT SUSPENSION

9. General Diagnostic Table

A: INSPECTION

1. IMPROPER VEHICLE POSTURE OR IMPROPER WHEEL ARCH HEIGHT

Possible cause	Corrective action
(1) Permanent distortion or damaged coil spring	Replace.
(2) Rough operation of damper strut or shock absorber	Replace.
(3) Installation of non-compatible strut or shock absorber	Replace with appropriate parts.
(4) Installation of non-compatible coil spring	Replace with appropriate parts.

2. POOR RIDE COMFORT

- 1) Large rebound shock
- 2) Rocking of vehicle continues too long after running over bump and/or hump.
- 3) Excessive shock in bumping

Possible cause	Corrective action
(1) Damaged coil spring	Replace.
(2) Overinflation of tires	Adjust.
(3) Improper wheel arch height	Adjust or replace coil springs with new parts.
(4) Fault in operation of damper strut or shock absorber	Replace.
(5) Abnormal damage or deformation of strut mount or shock absorber mount	Replace.
(6) Improper length (maximum or minimum) of damper strut or shock absorber	Replace with proper parts.
(7) Abnormal damage or deformation of bushing	Replace.
(8) Deformation or damage of helper in strut assembly or shock absorber	Replace.
(9) Oil leakage from the damper strut or shock absorber	Replace.

3. NOISE

Possible cause	Corrective action
(1) Worn or damaged damper strut	Replace.
(2) Wear or damage of shock absorber components	Replace.
(3) Loosening of the suspension link installing bolt	Tighten to the specified torque.
(4) Loss or abnormal deformation of bushing	Replace.
(5) Improper length (maximum or minimum) of damper strut or shock absorber	Replace with proper parts.
(6) Damaged coil spring	Replace.
(7) Wear or damage of the ball joint	Replace.
(8) Deformation of the stabilizer clamp	Replace.