

# 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 damage of the coil spring | Replace.                        |
| (2) Rough operation of strut or shock absorber        | Replace.                        |
| (3) Improper installation of strut or shock absorber  | Replace with appropriate parts. |
| (4) Installation of the wrong coil spring             | Replace with appropriate parts. |

##### 2. POOR RIDE COMFORT

- 1) Large rebound shock
- 2) Rocking of the vehicle continues too long after running over bump and 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                                          | Replace the coil springs with new parts. |
| (4) Fault in operation of strut or shock absorber                       | Replace.                                 |
| (5) Damage or deformation of strut mount or shock absorber mount        | Replace.                                 |
| (6) Unsuitable length (maximum or minimum) of strut or shock absorber   | Replace with appropriate parts.          |
| (7) Deformation or loss of bushing                                      | Replace.                                 |
| (8) Deformation or damage of helper in strut assembly or shock absorber | Replace.                                 |
| (9) Oil leakage from the strut or shock absorber                        | Replace.                                 |

##### 3. NOISE

| Possible cause                                                      | Corrective action                |
|---------------------------------------------------------------------|----------------------------------|
| (1) Wear or damage of strut or shock absorber component parts       | Replace.                         |
| (2) Loosening of the suspension link installing bolt                | Tighten to the specified torque. |
| (3) Deformation or loss of bushing                                  | Replace.                         |
| (4) Improper length (maximum or minimum) of strut or shock absorber | Replace with appropriate parts.  |
| (5) Damaged coil spring                                             | Replace.                         |
| (6) Wear or damage of the ball joint                                | Replace.                         |
| (7) Deformation of the stabilizer clamp                             | Replace.                         |

# REAR SUSPENSION

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