

## GROUP 26 FRONT AXLE

### GENERAL OUTLINE OF CHANGE

- The installation method of the ball joint between the knuckle and the lower arm has been changed, and accordingly the removal and installation procedures of the axle hub and the knuckle have been revised. <EVOLUTION-VI>

### AXLE HUB AND KNUCKLE <EVOLUTION-VI>

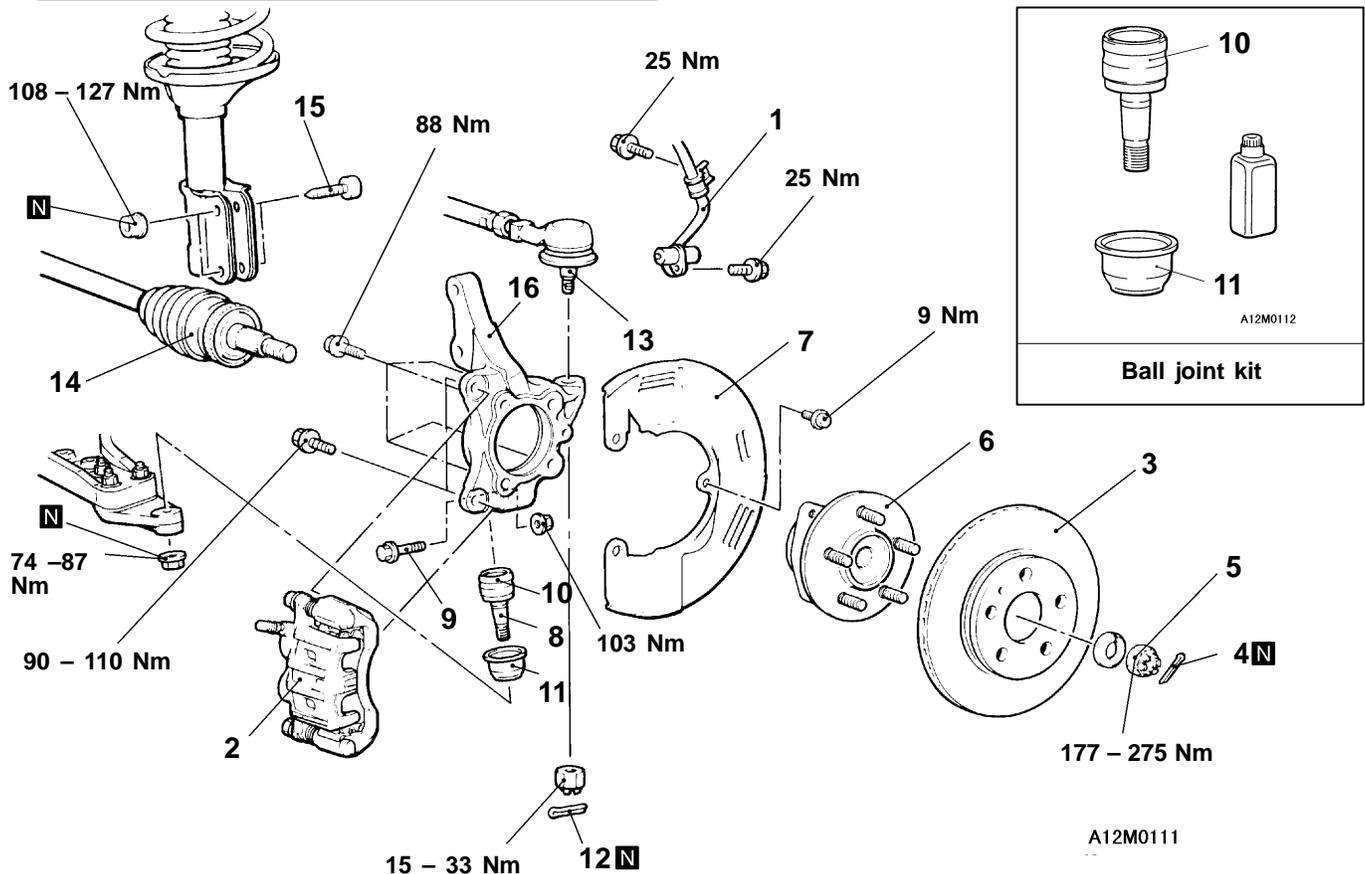
#### REMOVAL AND INSTALLATION

##### Caution

- (1) For vehicles with AYC, be careful when handling the pole piece at the tip of the speed sensor so as not to damage it by striking against other parts.
- (2) For vehicles with AYC, be careful not to damage the rotors installed to B.J. outer race during removal and installation of the drive shaft.

##### Post-installation Operation

- Check the Dust Cover for Cracks or Damage by Pushing it with Finger.



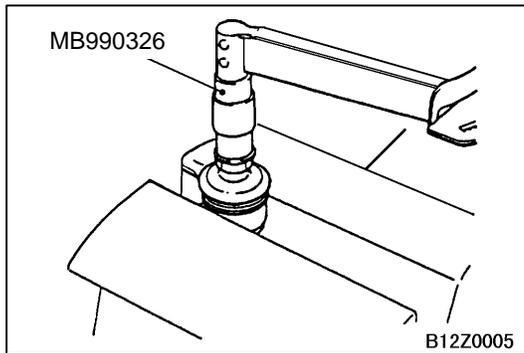
##### Removal steps

1. Front speed sensor<Vehicles with AYC>
2. Caliper assembly
3. Brake disc
4. Split pin
5. Drive shaft nut
6. Front hub assembly
7. Dust shield
8. Connection for lower arm ball joint
9. Connection bolt for lower arm joint
10. Lower arm ball joint
11. Dust cover
12. Split pin
13. Connection for tie rod end
14. Front drive shaft
15. Front strut mounting bolt
16. Knuckle

- ◀C▶  
◀D▶

##### NOTE

Follow the conventional procedures for removal and installation service points.



## INSPECTION

### LOWER ARM BALL JOINT ROTATION STARTING TORQUE CHECK

- (1) After shaking the ball joint stud several times, install the nut to the stud and use the special tool to measure the rotation starting torque of the ball joint.

**Standard value: 1.0 – 3.4 Nm**

- (2) When the measured value exceeds the standard value, replace the ball joint assembly.
- (3) When the measured value is lower than the standard value, check that the ball joint turns smoothly without excessive play. If so, it is possible to use that ball joint.

### LOWER ARM BALL JOINT DUST COVER REPLACEMENT

When the dust cover is damaged during service work or grease leaks out from the dust cover, replace the dust cover in the conventional procedure. After replacement, check the dust cover for cracks or damage by pushing it with finger.