

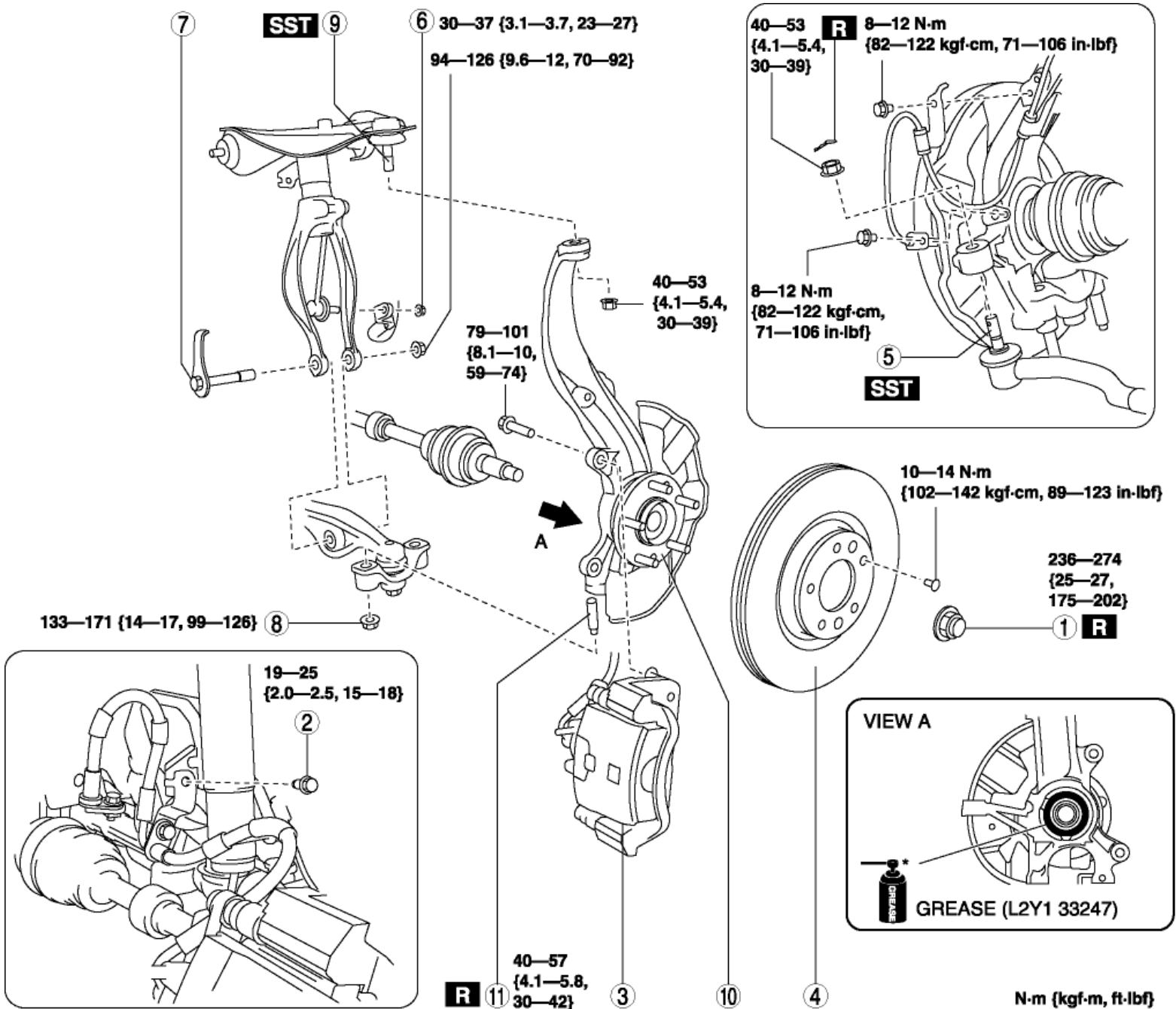
2012 - Mazda6 - DriveLine/ Axle

WHEEL HUB, STEERING KNUCKLE REMOVAL/ INSTALLATION

CAUTION:

- Performing the following procedures without first removing the ABS wheel-speed sensor may possibly cause an open circuit in the wiring harness if it is pulled by mistake. Before performing the following procedures, disconnect the ABS wheel-speed sensor connector (axle side) and fix the wiring harness to an appropriate place where it will not be pulled by mistake while servicing the vehicle.

- Remove in the order indicated in the table.
- Install in the reverse order of removal.
- After installation, inspect the front wheel alignment and adjust it if necessary. (See [FRONT WHEEL ALIGNMENT](#).)



1	Locknut
2	Bolt (brake hose)
3	Brake caliper component (See Brake Caliper Component Removal Note.)
4	Disc plate
5	Tie-rod end ball joint (See FRONT CROSSMEMBER REMOVAL/ INSTALLATION [MZR 2.5].) (See FRONT CROSSMEMBER REMOVAL/ INSTALLATION [MZI 3.7 V6].)
6	Front stabilizer control link lower side bolt
7	Damper fork lower side bolt
8	Nut (lower arm) (See Nut (Lower Arm) Removal Note.)
9	Upper arm ball joint (See FRONT UPPER ARM REMOVAL/ INSTALLATION.)
10	Wheel hub, steering knuckle component (See Wheel Hub, Steering Knuckle Component Installation Note.)
11	Stud bolt

Brake Caliper Component Removal Note

1. Remove the brake caliper component and suspend it out of the way using a cable.

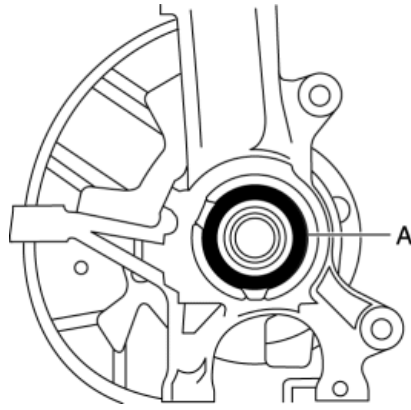
Nut (Lower Arm) Removal Note

WARNING:

- If the stud bolt of the front knuckle is loosened when removing the front lower arm outer nut, replace the stud bolt with a new one. If the stud bolt is reused, it could fall off while driving, resulting in serious injury or death, and damage to the vehicle.

Wheel Hub, Steering Knuckle Component Installation Note

1. Apply grease (L2Y1 33247) to the wheel bearing inner race and drive shaft contact surface (Area A in figure).



2. Install the wheel hub, steering knuckle component.

[< Previous](#) [Next >](#)

© 2011 Mazda North American Operations, U.S.A.

[Back to Top](#)

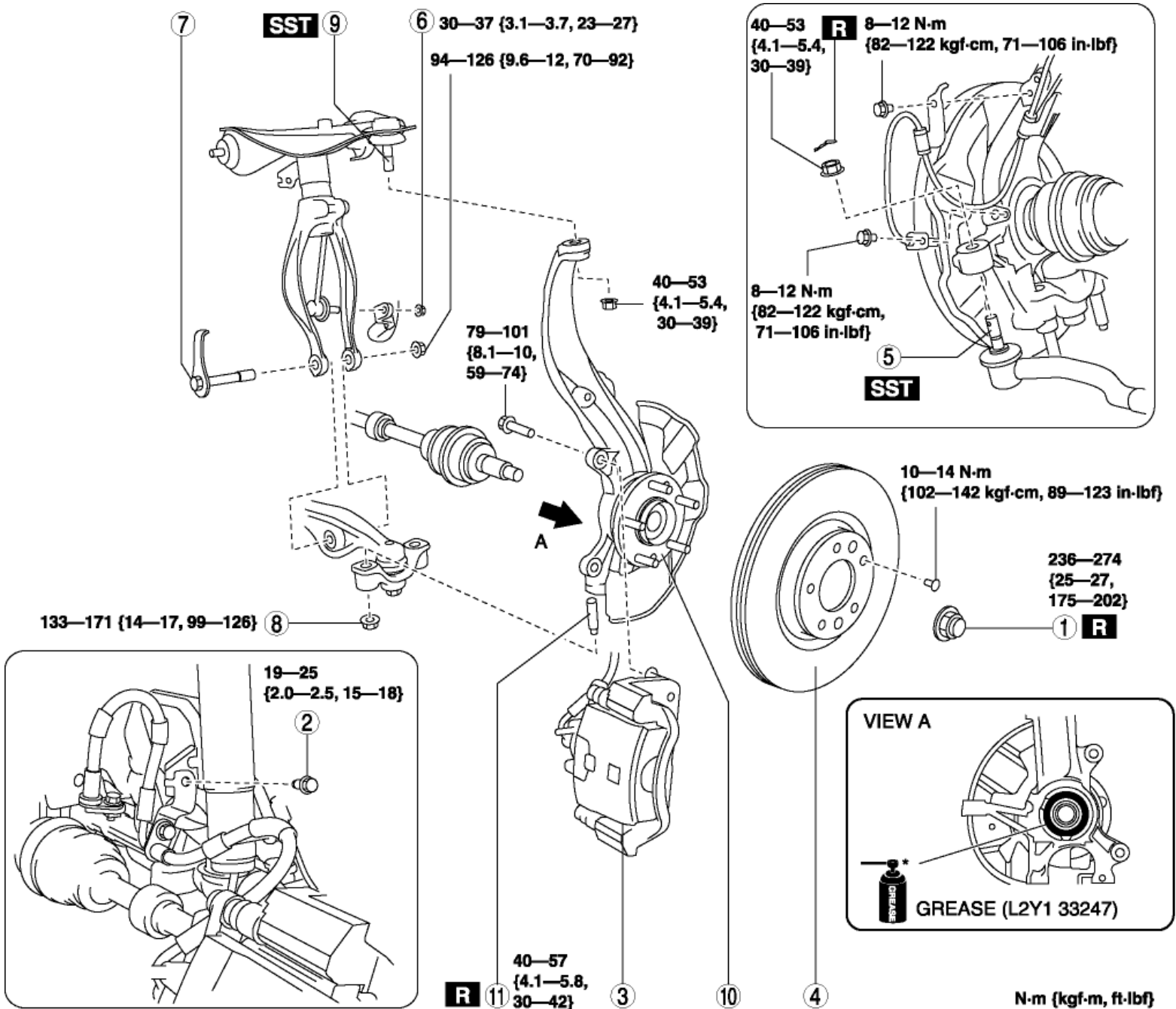
2012 - Mazda6 - DriveLine/ Axle

WHEEL HUB, STEERING KNUCKLE REMOVAL/ INSTALLATION

CAUTION:

- Performing the following procedures without first removing the ABS wheel-speed sensor may possibly cause an open circuit in the wiring harness if it is pulled by mistake. Before performing the following procedures, disconnect the ABS wheel-speed sensor connector (axle side) and fix the wiring harness to an appropriate place where it will not be pulled by mistake while servicing the vehicle.

- Remove in the order indicated in the table.
- Install in the reverse order of removal.
- After installation, inspect the front wheel alignment and adjust it if necessary. (See [FRONT WHEEL ALIGNMENT](#).)



1	Locknut
2	Bolt (brake hose)
3	Brake caliper component (See Brake Caliper Component Removal Note.)
4	Disc plate
5	Tie-rod end ball joint (See FRONT CROSSMEMBER REMOVAL/ INSTALLATION [MZR 2.5].) (See FRONT CROSSMEMBER REMOVAL/ INSTALLATION [MZI 3.7 V6].)
6	Front stabilizer control link lower side bolt
7	Damper fork lower side bolt
8	Nut (lower arm) (See Nut (Lower Arm) Removal Note.)
9	Upper arm ball joint (See FRONT UPPER ARM REMOVAL/ INSTALLATION.)
10	Wheel hub, steering knuckle component (See Wheel Hub, Steering Knuckle Component Installation Note.)
11	Stud bolt

Brake Caliper Component Removal Note

1. Remove the brake caliper component and suspend it out of the way using a cable.

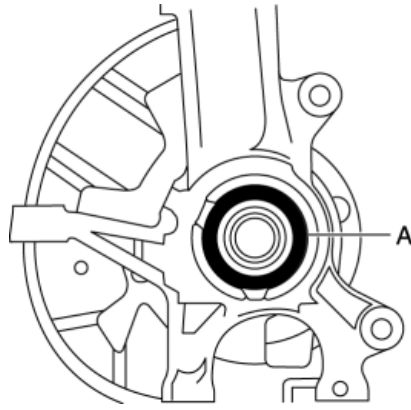
Nut (Lower Arm) Removal Note

WARNING:

- If the stud bolt of the front knuckle is loosened when removing the front lower arm outer nut, replace the stud bolt with a new one. If the stud bolt is reused, it could fall off while driving, resulting in serious injury or death, and damage to the vehicle.

Wheel Hub, Steering Knuckle Component Installation Note

1. Apply grease (L2Y1 33247) to the wheel bearing inner race and drive shaft contact surface (Area A in figure).



2. Install the wheel hub, steering knuckle component.

[< Previous](#) [Next >](#)

© 2011 Mazda North American Operations, U.S.A.

[Back to Top](#)