

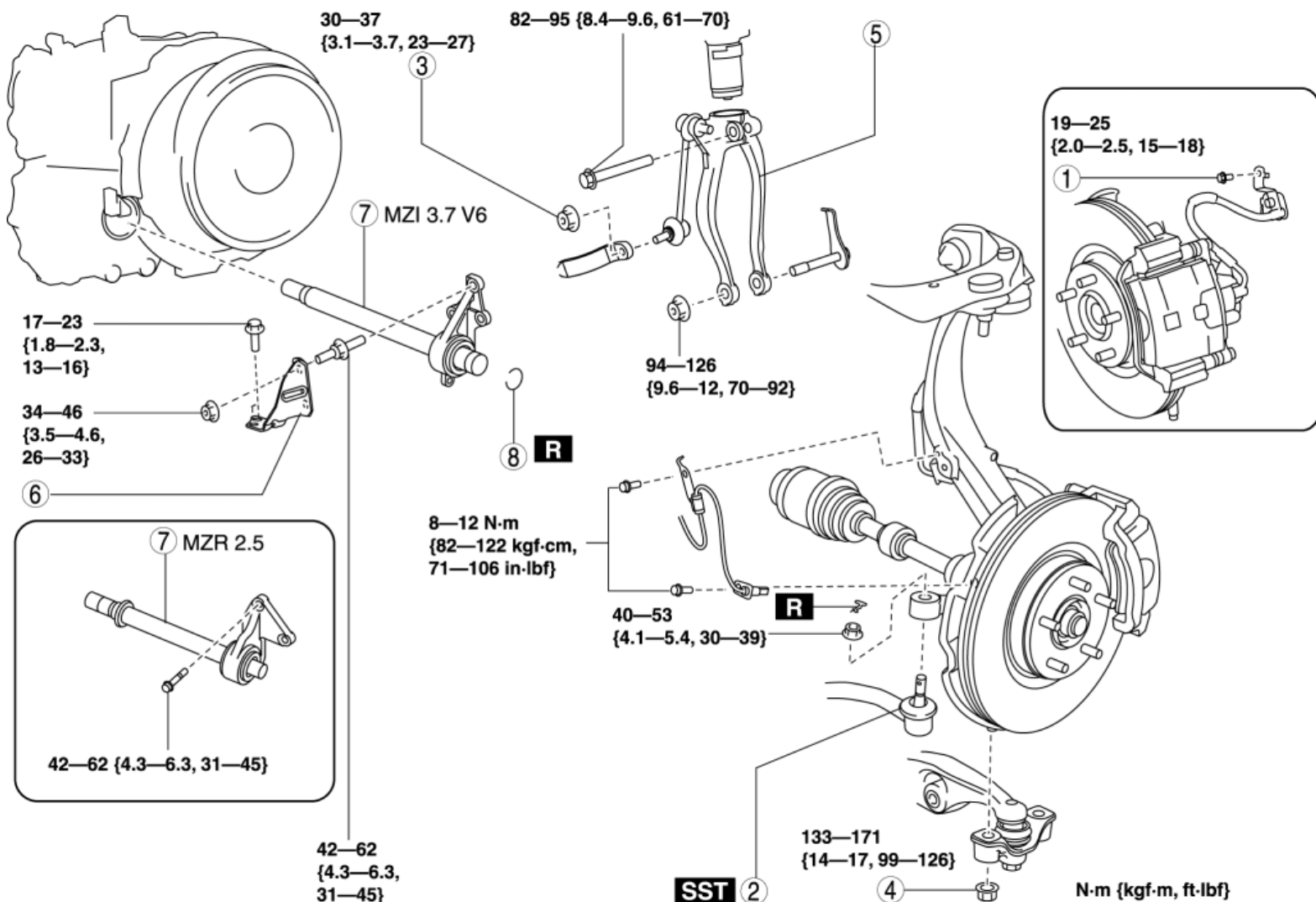
2012 - Mazda6 - DriveLine/ Axle

JOINT SHAFT 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, remove the ABS wheel-speed sensor (axle side) and fix it to an appropriate place where the sensor wiring harness will not be pulled by mistake while servicing the vehicle.

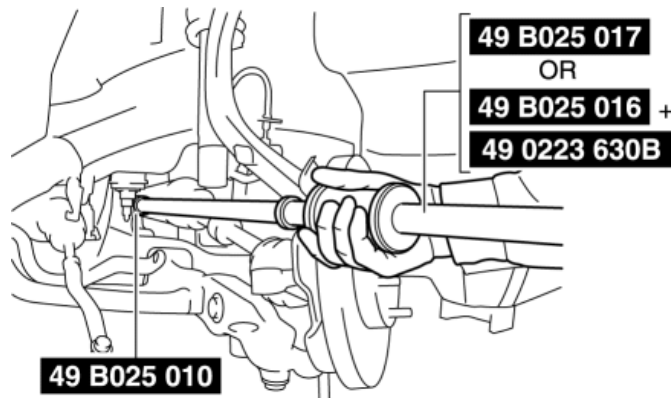
- Set the front mudguard out of the way. (See [FRONT MUDGUARD REMOVAL/ INSTALLATION](#).)
- Remove the splash shield.
- Drain the transaxle oil or ATF. (See [TRANSAXLE OIL REPLACEMENT \[G66M-R\]](#).) (See [AUTOMATIC TRANSAXLE FLUID \(ATF\) REPLACEMENT \[FS5A-EL\]](#).) (See [AUTOMATIC TRANSAXLE FLUID \(ATF\) REPLACEMENT \[AY6A-EL\]](#).)
- Remove in the order indicated in the table.
- Install in the reverse order of removal.
- Add the transaxle oil or ATF. (See [TRANSAXLE OIL REPLACEMENT \[G66M-R\]](#).) (See [AUTOMATIC TRANSAXLE FLUID \(ATF\) REPLACEMENT \[FS5A-EL\]](#).) (See [AUTOMATIC TRANSAXLE FLUID \(ATF\) REPLACEMENT \[AY6A-EL\]](#).)



2	Tie-rod end ball joint (See FRONT CROSSMEMBER REMOVAL/ INSTALLATION [MZR 2.5] .) (See FRONT CROSSMEMBER REMOVAL/ INSTALLATION [MZI 3.7 V6] .)
3	Nut (front stabilizer control link lower side)
4	Nut (lower arm) (See WHEEL HUB, STEERING KNUCKLE REMOVAL/ INSTALLATION .)
5	Damper fork (See FRONT SHOCK ABSORBER AND COIL SPRING REMOVAL/ INSTALLATION .)
6	Bracket
7	Joint shaft (See Joint Shaft Removal Note .)
8	Joint shaft clip (See Joint Shaft Clip Installation Note .)

Joint Shaft Removal Note

1. Disconnect the drive shaft (RH) from the joint shaft by using the **SSTs**.

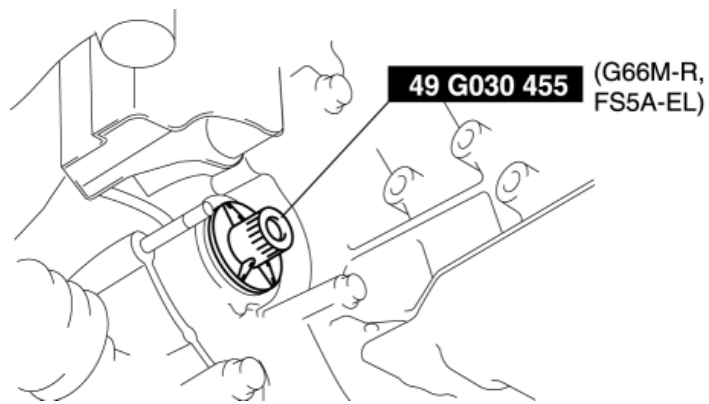


2. Disconnect the joint shaft bracket from the cylinder block and remove the joint shaft.

CAUTION:

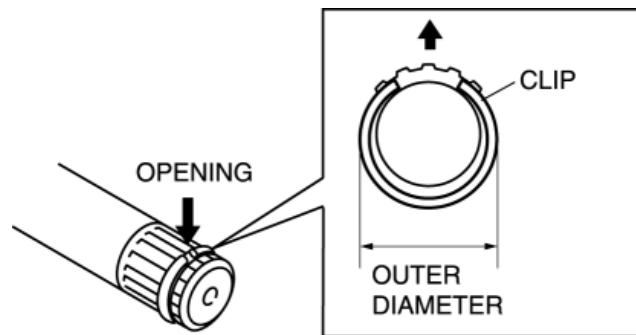
- The sharp edges of the joint shaft can slice or puncture the oil seal. Be careful when removing the joint shaft from the transaxle.

3. Install the SST to the transaxle after the joint shaft is removed.



Joint Shaft Clip Installation Note

1. Install a new joint shaft clip to the clip groove at the end of the joint shaft with the clip opening facing upward and the clip width within the specification.
2. After installation, measure the outer diameter.
 - If it exceeds the specification, repeat installation using a new clip.



Standard

- MZR 2.5: 31.2 mm {1.23 in} or less
- MZI 3.7 V6: 34.0 mm {1.34 in} or less

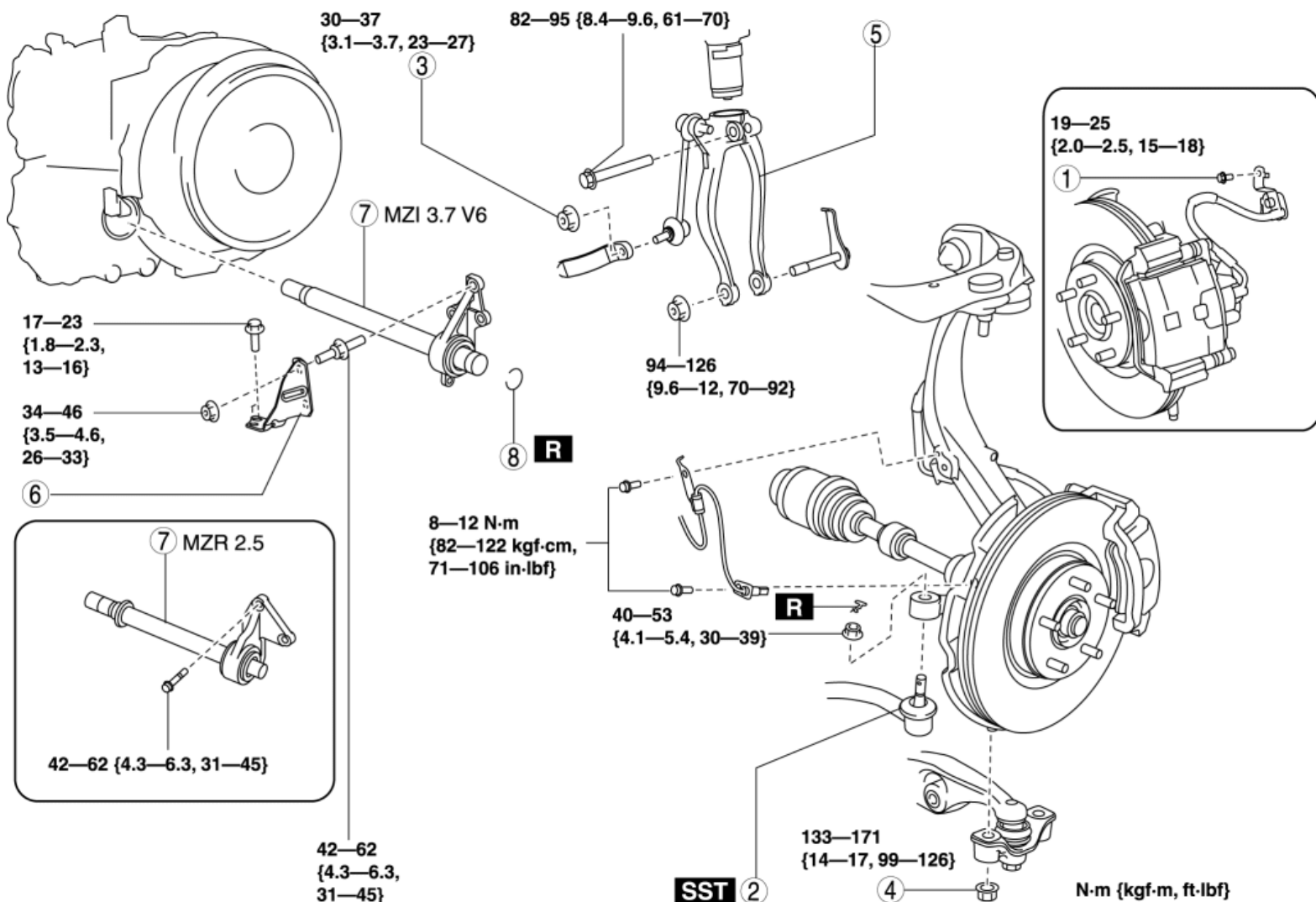
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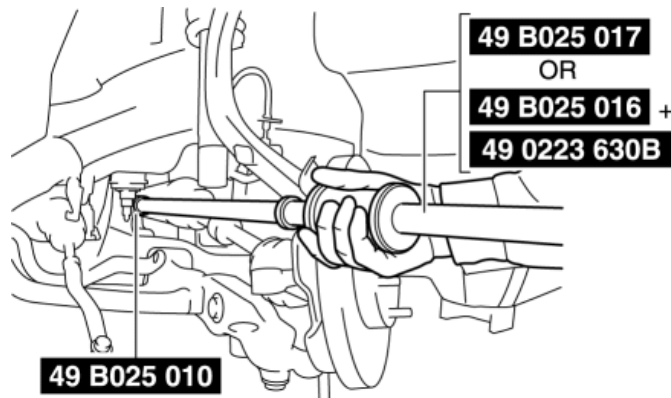
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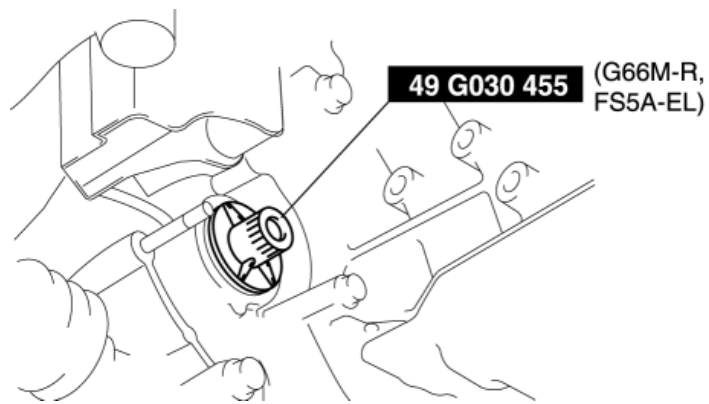


2. Disconnect the joint shaft bracket from the cylinder block and remove the joint shaft.

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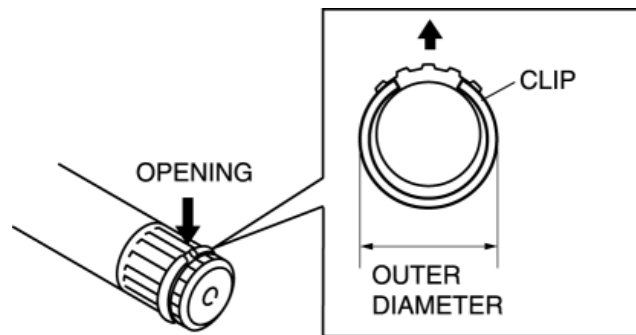
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