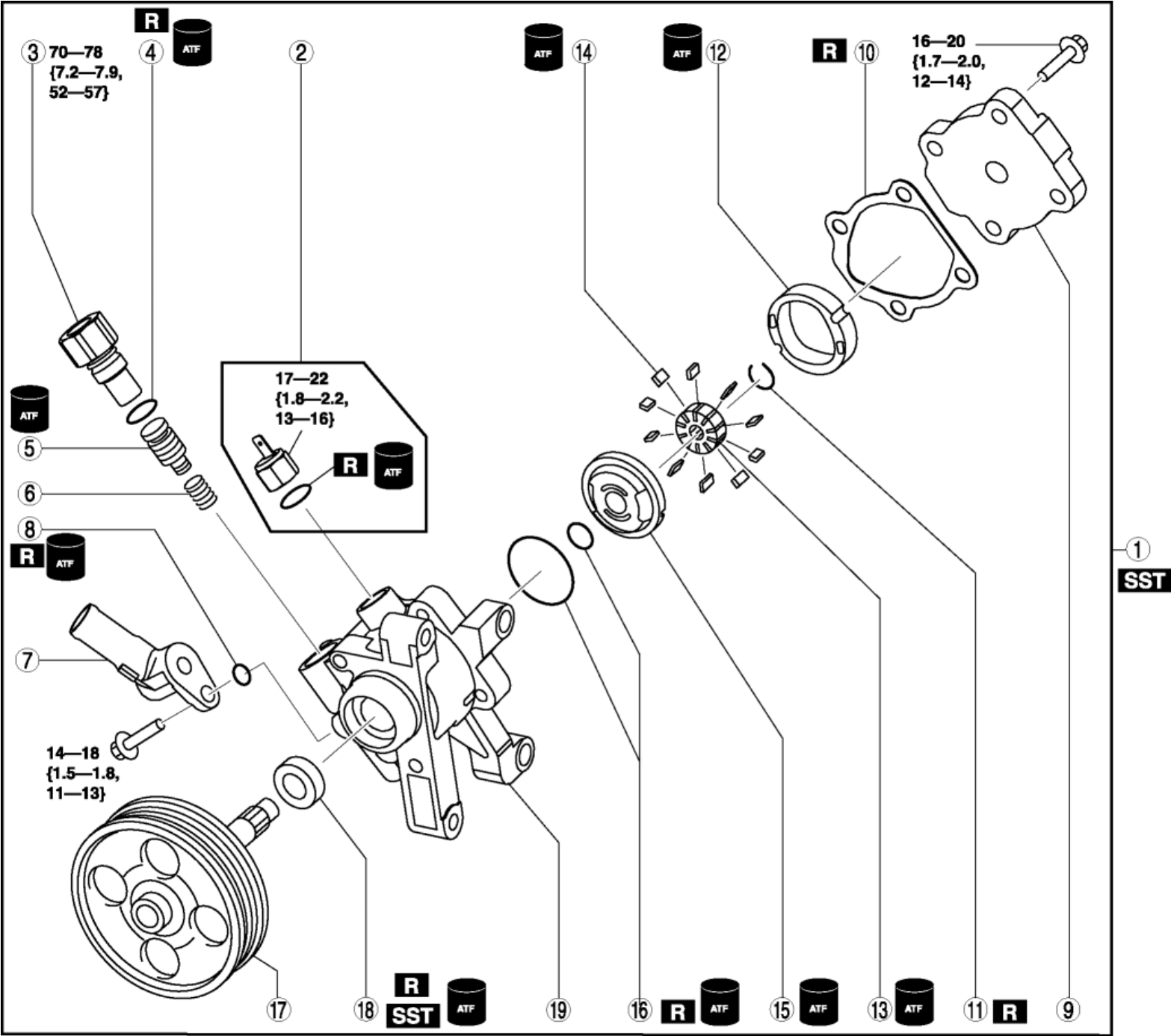


2012 - Mazda6 - Steering

POWER STEERING OIL PUMP DIASSEMBLY/ ASSEMBLY [MZI 3.7 V6]

- 1. Disassemble in the order indicated in the table.
- 2. Assemble in the reverse order of disassembly.



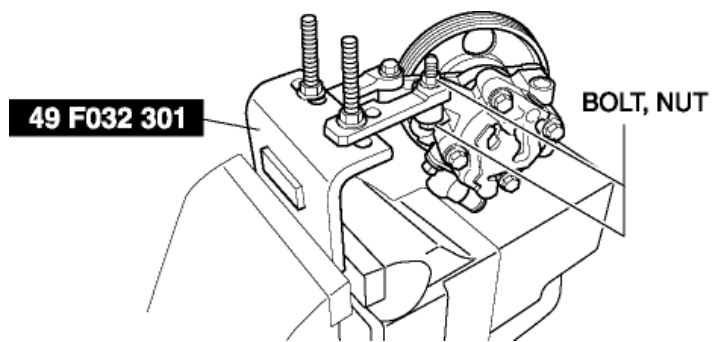
N·m {kgf·m, ft·lbf}

1 Power steering oil pump component
(See [Power Steering Oil Pump Component Disassembly Note.](#))

2	Pressure switch component
3	Pressure pipe fitting
4	O-ring
5	Control valve
6	Spring
7	Suction pipe
8	O-ring
9	Rear pump body (See Rear Pump Body Assembly Note.)
10	Gasket
11	Clip
12	Cam ring (See Cam Ring Assembly Note.)
13	Rotor (See Rotor Assembly Note.)
14	Vane
15	Side plate (See Side Plate Assembly Note.)
16	O-rings
17	Shaft component (See Shaft Component Disassembly Note.)
18	Oil seal (See Oil Seal Assembly Note.)
19	Front pump body

Power Steering Oil Pump Component Disassembly Note

1. Install the power steering oil pump to the **SST** and secure it to the vise using **M-8** bolts (length **40 mm { 1.6 in} or more**) and nuts.

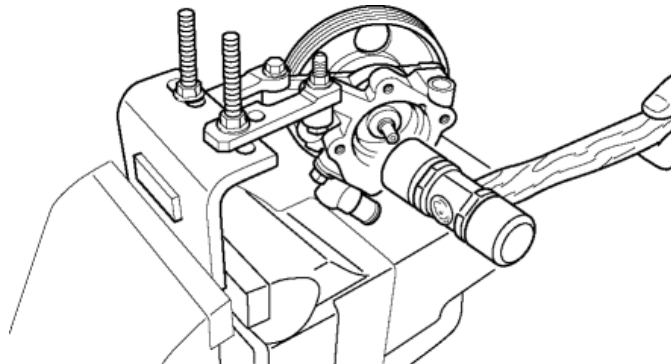


CAUTION:

- Use the SST to prevent damage to the pump when securing it in a vise.

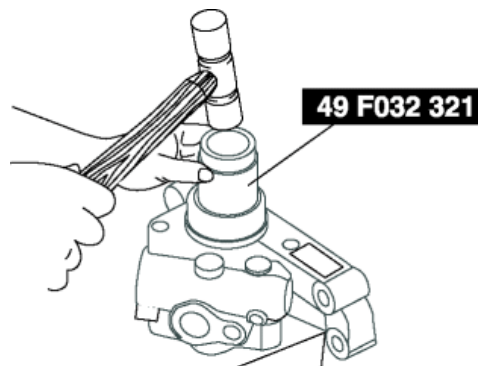
Shaft Component Disassembly Note

1. Tap out the shaft component from the front pump body using a plastic hammer.



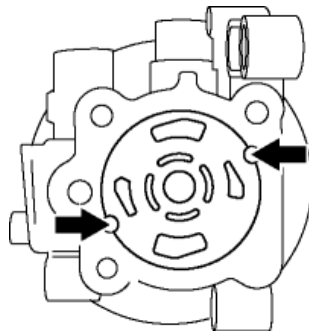
Oil Seal Assembly Note

1. Install the oil seal in the front pump body using the **SST** and plastic hammer.



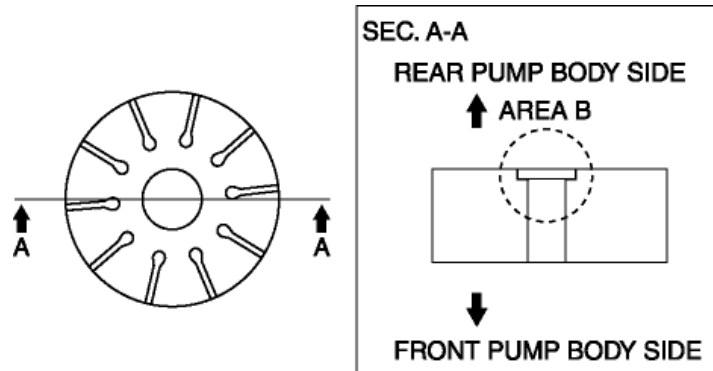
Side Plate Assembly Note

1. Install the side plate in the position shown in the figure.



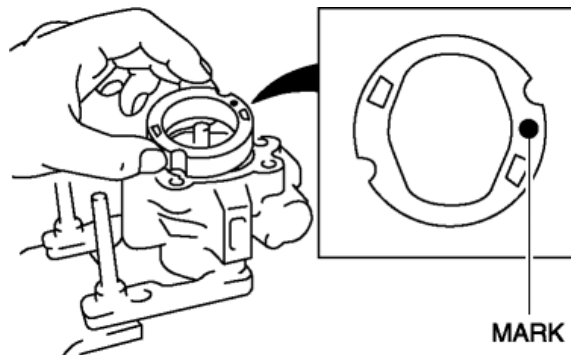
Rotor Assembly Note

1. Install to the front pump body so that area B of the groove is on the rear pump body side as shown in the figure.



Cam Ring Assembly Note

1. Install the cam ring in the front pump body with the mark facing upward.



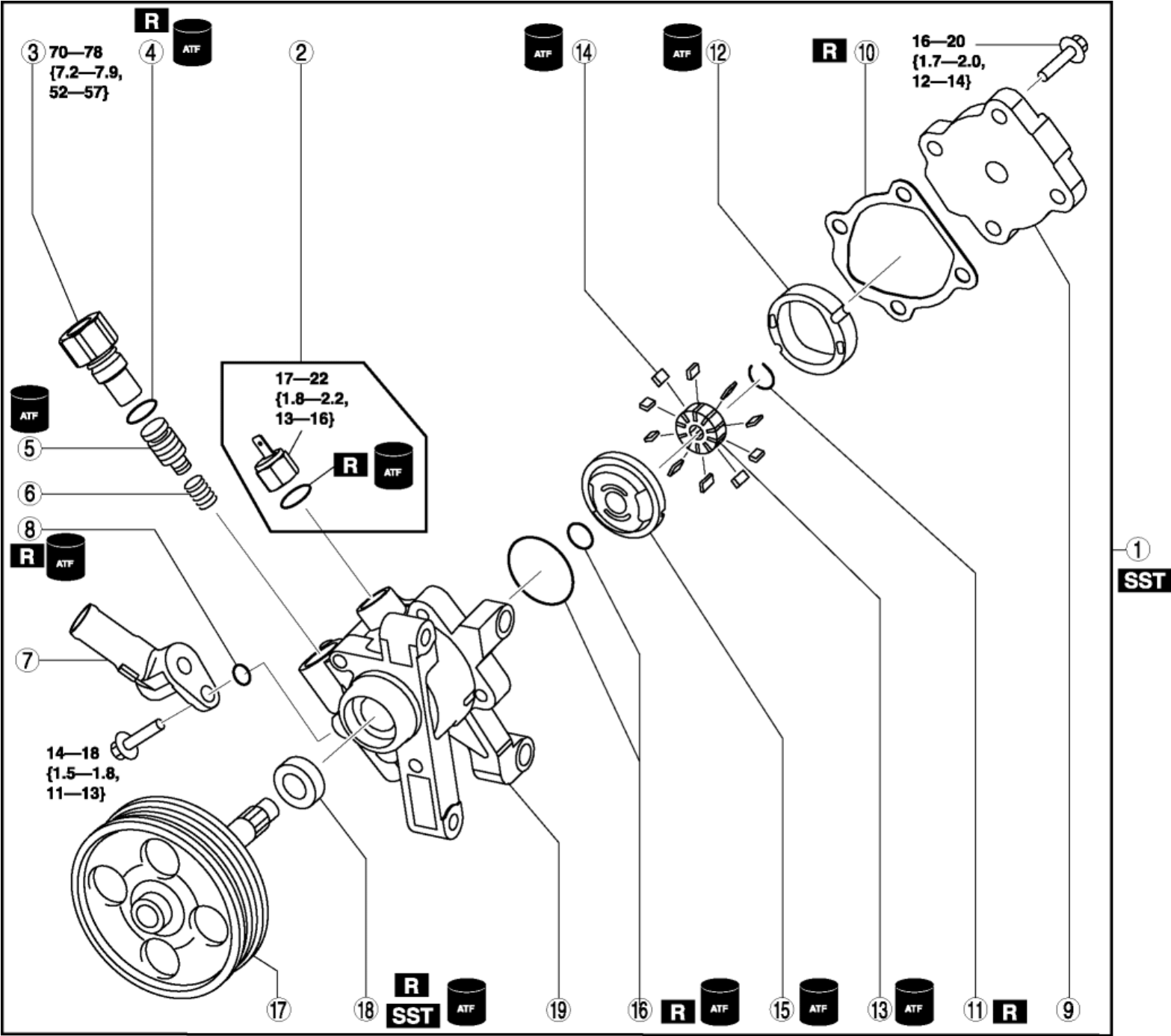
Rear Pump Body Assembly Note

1. After installing the rear body, manually turn the shaft to verify that it rotates smoothly.

2012 - Mazda6 - Steering

POWER STEERING OIL PUMP DISASSEMBLY/ ASSEMBLY [MZI 3.7 V6]

- 1. Disassemble in the order indicated in the table.
- 2. Assemble in the reverse order of disassembly.



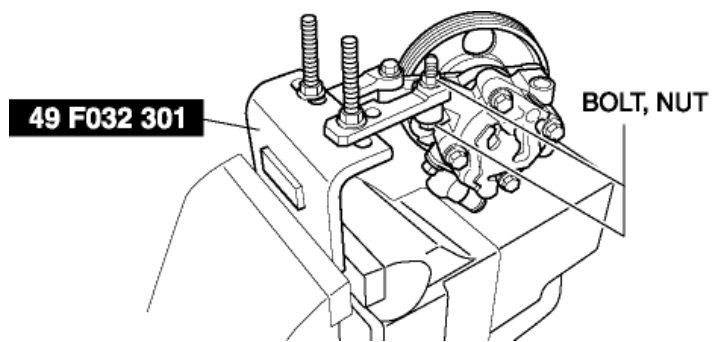
N·m {kgf·m, ft·lbf}

1 Power steering oil pump component
(See [Power Steering Oil Pump Component Disassembly Note.](#))

2	Pressure switch component
3	Pressure pipe fitting
4	O-ring
5	Control valve
6	Spring
7	Suction pipe
8	O-ring
9	Rear pump body (See Rear Pump Body Assembly Note.)
10	Gasket
11	Clip
12	Cam ring (See Cam Ring Assembly Note.)
13	Rotor (See Rotor Assembly Note.)
14	Vane
15	Side plate (See Side Plate Assembly Note.)
16	O-rings
17	Shaft component (See Shaft Component Disassembly Note.)
18	Oil seal (See Oil Seal Assembly Note.)
19	Front pump body

Power Steering Oil Pump Component Disassembly Note

1. Install the power steering oil pump to the **SST** and secure it to the vise using **M-8** bolts (length **40 mm { 1.6 in} or more**) and nuts.

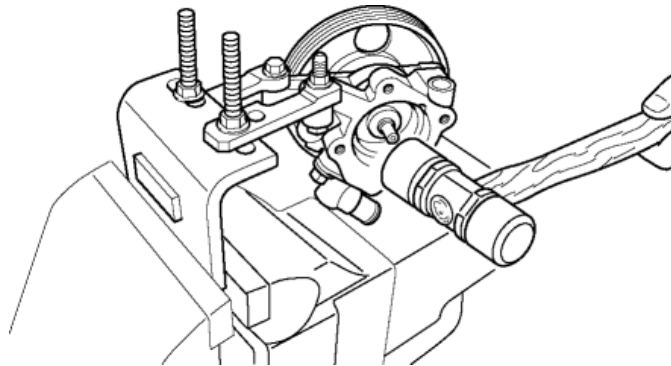


CAUTION:

- Use the SST to prevent damage to the pump when securing it in a vise.

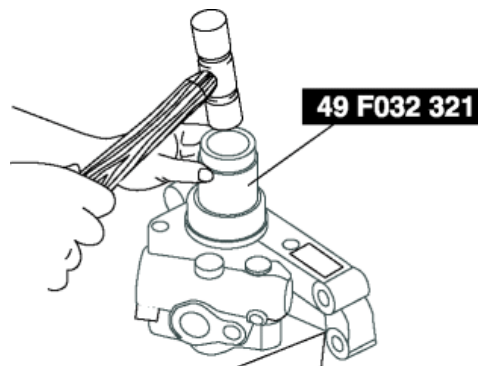
Shaft Component Disassembly Note

1. Tap out the shaft component from the front pump body using a plastic hammer.



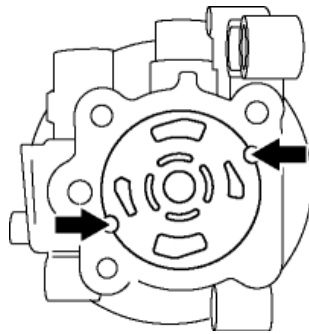
Oil Seal Assembly Note

1. Install the oil seal in the front pump body using the **SST** and plastic hammer.



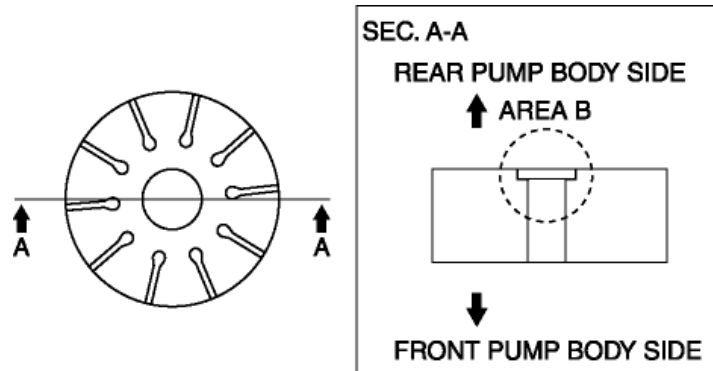
Side Plate Assembly Note

1. Install the side plate in the position shown in the figure.



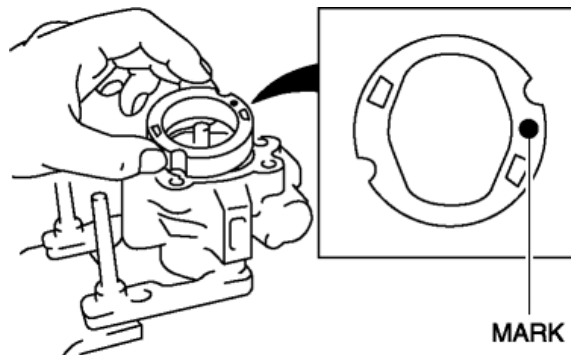
Rotor Assembly Note

1. Install to the front pump body so that area B of the groove is on the rear pump body side as shown in the figure.



Cam Ring Assembly Note

1. Install the cam ring in the front pump body with the mark facing upward.



Rear Pump Body Assembly Note

1. After installing the rear body, manually turn the shaft to verify that it rotates smoothly.