

5. Wheel Balancing

A: REPLACEMENT

1. STICK-ON TYPE BALANCE WEIGHT

- 1) Remove balance weights.
- 2) Using dynamic balancing, measure wheel balance.
- 3) Select a weight close to the value measured by dynamic balancing.

Balance weight part number (For steel wheel)	Weight
28101AA001	5 g (0.18 oz)
28101AA011	10 g (0.35 oz)
28101AA021	15 g (0.53 oz)
28101AA031	20 g (0.71 oz)
28101AA041	25 g (0.88 oz)
28101AA051	30 g (1.06 oz)
28101AA061	35 g (1.23 oz)
28101AA071	40 g (1.41 oz)
28101AA081	45 g (1.59 oz)
28101AA091	50 g (1.76 oz)
—	55 g (1.94 oz)
28101AA111	60 g (2.12 oz)

Balance weight part number (For aluminum wheel)	Weight
23141GA462	5 g (0.18 oz)
23141GA472	10 g (0.35 oz)
23141GA482	15 g (0.53 oz)
23141GA492	20 g (0.71 oz)
23141GA502	25 g (0.88 oz)
23141GA512	30 g (1.06 oz)
23141GA522	35 g (1.23 oz)
23141GA532	40 g (1.41 oz)
23141GA542	45 g (1.59 oz)
23141GA552	50 g (1.76 oz)
—	55 g (1.94 oz)
23141GA572	60 g (2.12 oz)

- 4) Install the selected weight to the point designated by dynamic balancing.
- 5) Using dynamic balancing, measure wheel balance again. Check that wheel balance is correctly adjusted.

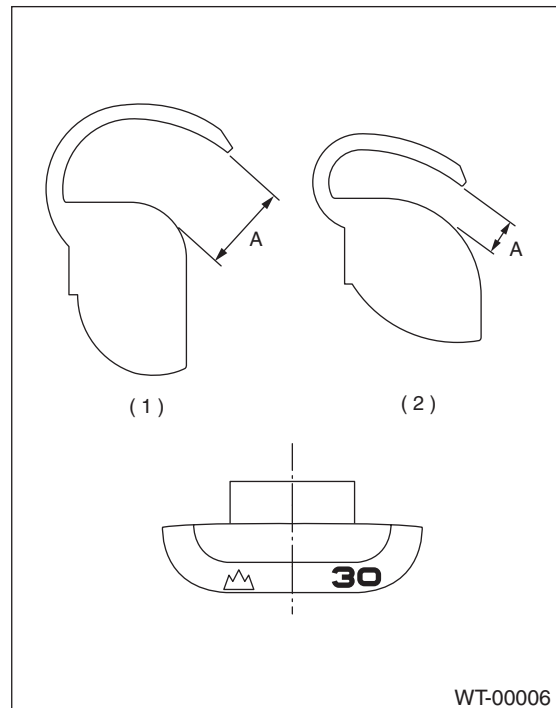
Service limit: A

Balance weight for steel wheel;

2.16 mm (0.085 in)

Balance weight for aluminum wheel;

4.5 mm (0.177 in)



- (1) Balance weight for aluminum wheel
- (2) Balance weight for steel wheel

CAUTION:

- Use genuine balance weights.
- Balance weights are available for use with any of 14- to 16-inch wheels.

2. PASTE-ON TYPE BALANCE WEIGHT

- 1) Remove balance weights.
- 2) Remove traces of two-sided tape on wheel and clean adhesive layer.
- 3) Set balancing (dynamic balancing for stick-on balance weight is available) and measure wheel balance.
- 4) Multiply the measured weight by 1.6 to select a weight.
- 5) Select a weight close to the calculated value, clean the point designated by balancing and paste on the weight there.

WHEEL BALANCING

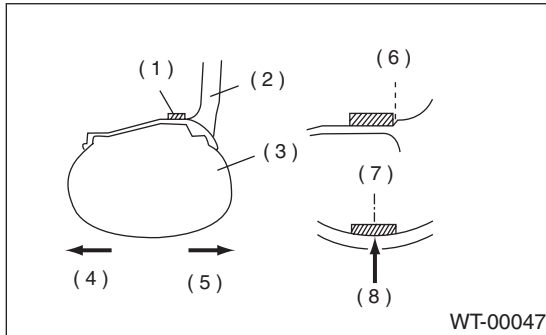
WHEEL AND TIRE SYSTEM

Example of selecting balance weight:

Measured wheel balance: 34 g

$$34 \text{ g} \times 1.6 = 54.4$$

Weight to be selected: 55g



- (1) Paste-on type balance weight
- (2) Wheel
- (3) Tire
- (4) Inside
- (5) Outside
- (6) Clamp the balance on the step
- (7) Center of balance weight
- (8) Point designated by balancing

CAUTION:

- Press on the weight for more than 2 seconds with a force of 25 N·m (2.6 kgf·m, 18 ft·lb) or more per 5 g to paste on.
- Adjust weight balance from outside first and then inside.
- The weight to be pasted on must be under 100 g.

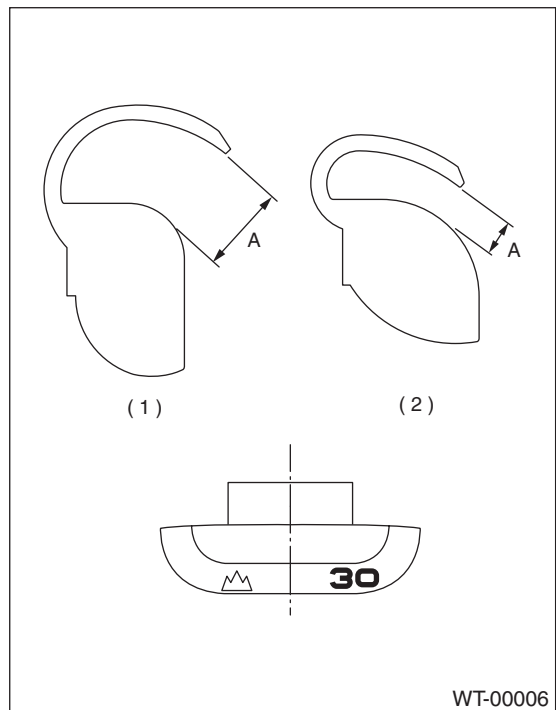
B: INSPECTION

- 1) Proper wheel balance may be lost if the tire is repaired or if it wears. Check the tire for dynamic balance, and repair as necessary.
- 2) To check for dynamic balance, use a dynamic balancer. Drive in the balance weight on both the top and rear sides of the rim.
- 3) Some types of balancer can cause damage to the wheel. Use an appropriate balancer when adjusting the wheel balance.

Service limit: A

Balance weight for steel wheel;
2.16 mm (0.085 in)

Balance weight for aluminum wheel;
4.5 mm (0.177 in)



- (1) Balance weight for aluminum wheel
- (2) Balance weight for steel wheel

CAUTION:

- Use genuine balance weights.
- Balance weights are available for use with any of 14- to 16-inch wheels.