

Wheel Balancing

WHEEL AND TIRE SYSTEM

5. Wheel Balancing

A: ADJUSTMENT

NOTE:

Because an adhesive type weight is adopted for the outside balance weight of 16-inch (OUTBACK), 17-inch and 18-inch wheels, change the setting of the wheel balancer to adhesive type weight.

1) Remove the balance weights.

CAUTION:

- Be careful not to damage the wheel.
- Completely remove the double-sided tape of the adhesive weight from the wheel.

2) Using the wheel balancer, measure wheel balance.

3) Select a weight close to the value measured by wheel balancer.

CAUTION:

Use SUBARU genuine balance weights.

Balance weight part number (Knock-on type weight for steel wheels)	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)
28101AA101	55 g (1.94 oz)
28101AA111	60 g (2.12 oz)

Balance weight part number (Knock-on type weight 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)
23141GA562	55 g (1.94 oz)
23141GA572	60 g (2.12 oz)

Balance weight part number (Adhesive type weight for aluminum wheel)	Weight
28101AE00B	5 g (0.18 oz)
28101AE01B	7.5 g (0.26 oz)
28101AE02B	10 g (0.35 oz)
28101AE03B	12.5 g (0.44 oz)
28101AE04B	15 g (0.53 oz)
28101AE05B	17.5 g (0.62 oz)
28101AE06B	20 g (0.71 oz)
28101AE07B	22.5 g (0.79 oz)
28101AE08B	25 g (0.88 oz)
28101AE09B	27.5 g (0.97 oz)
28101AE10B	30 g (1.06 oz)
28101AE11B	32.5 g (1.15 oz)
28101AE12B	35 g (1.23 oz)
28101AE13B	37.5 g (1.32 oz)
28101AE14B	40 g (1.41 oz)
28101AE15B	42.5 g (1.50 oz)
28101AE16B	45 g (1.59 oz)
28101AE17B	47.5 g (1.68 oz)
28101AE18B	50 g (1.76 oz)
28101AE19B	52.5 g (1.85 oz)
28101AE20B	55 g (1.94 oz)
28101AE21B	57.5 g (2.03 oz)
28101AE22B	60 g (2.12 oz)
28101AE23B	62.5 g (2.20 oz)
28101AE24B	65 g (2.29 oz)
28101AE25B	67.5 g (2.38 oz)
28101AE26B	70 g (2.47 oz)
28101AE27B	72.5 g (2.56 oz)
28101AE28B	75 g (2.65 oz)
28101AE29B	77.5 g (2.73 oz)
28101AE30B	80 g (2.82 oz)
28101AE31B	82.5 g (2.91 oz)
28101AE32B	85 g (3.00 oz)
28101AE33B	87.5 g (3.09 oz)
28101AE34B	90 g (3.17 oz)
28101AE35B	92.5 g (3.26 oz)
28101AE36B	95 g (3.35 oz)
28101AE37B	97.5 g (3.44 oz)
28101AE38B	100 g (3.53 oz)
28101AG50B	102.5 g (3.62 oz)
28101AG51B	105 g (3.70 oz)
28101AG52B	107.5 g (3.79 oz)
28101AG53B	110 g (3.88 oz)
28101AG54B	112.5 g (3.97 oz)
28101AG55B	115 g (4.06 oz)
28101AG56B	117.5 g (4.14 oz)
28101AG57B	120 g (4.23 oz)

4) Install the selected weight to the point designated by the wheel balancer.

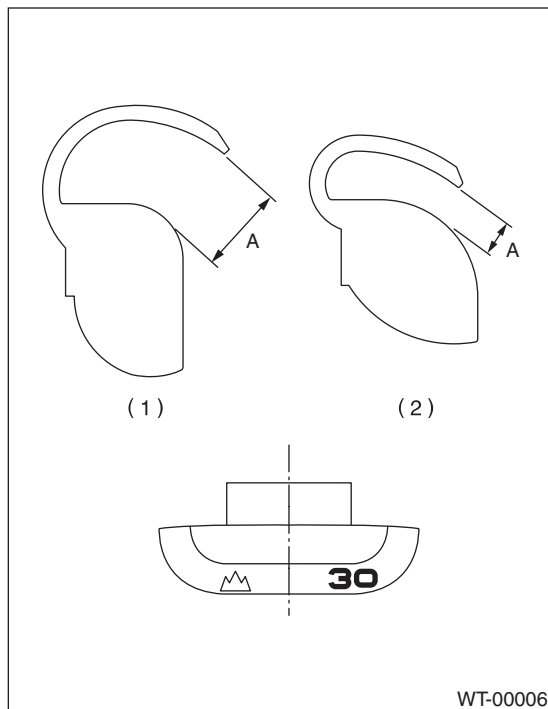
CAUTION:

- Degrease the wheel surface where the adhesive type weight will be applied.
- Press the adhesive type weight by 25 N (2.5 kgf, 5.6 lb) or more per 5 g (0.18 oz) for more than two seconds and attain full adhesion.
- Total application of the adhesive type weight should be 100 g (3.53 oz) or less.
- The total weight of all adhesive weight on models with transmitters (tire pressure sensor) is to be 120 g (4.23 oz) or less.

5) Using the wheel balancer, measure the wheel balance again. Check that wheel balance is correctly adjusted.

NOTE:

Knock-on type balance weights for aluminum wheels can be used on any 15 to 18-inch aluminum wheels.



- (1) Knock-on type weight for aluminum wheel
 (2) Knock-on type weight for steel wheel

Service limit A:

Knock-on type weight for steel wheel:

5 — 25 g (0.18 — 0.88 oz) 2.0 mm (0.08 in)
 30 g (1.06 oz) or more 1.8 mm (0.07 in)

Knock-on type weight for aluminum wheel:

5 — 25 g (0.18 — 0.88 oz) 5.0 mm (0.20 in)
 30 g (1.06 oz) or more 4.5 mm (0.177 in)