

## WHEEL BALANCE ADJUSTMENT (ALUMINUM ALLOY WHEEL)

id021200801100

### Caution

- Adjust the outer wheel balance first, then the inner wheel balance.
- Be careful not to scratch the wheels.

### Adhesive-type Balance Weight (Outer)

1. Remove the old balance weight from the wheel.
2. Remove the double-sided adhesive tape remaining on the wheel, then clean and degrease the bonding area.
3. Set the wheel on a wheel balancer, measure the amount of unbalance and the position with the mode set for knock-type balance weight.
4. Multiply the amount of unbalance by **1.6** to obtain the balance weight value.
5. Select a balance weight closest to the weight value and attach the balance weight on the position (outer) indicated by the wheel balancer.

### Example calculation of balance weight value

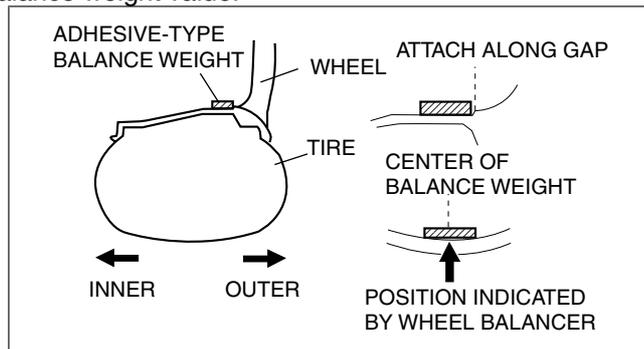
Indicated amount of unbalance: 23 g {0.81 oz}

$23 \text{ g } \{0.81 \text{ oz}\} \times 1.6 = 36.8 \text{ g } \{1.30 \text{ oz}\}$

Selected balance weight value: 35 g {1.24 oz}

### Note

- When selecting a balance weight, select one closest to the calculated value.  
Example:  $32.4 \text{ g } \{1.14 \text{ oz}\} = 30 \text{ g } \{1.06 \text{ oz}\}$



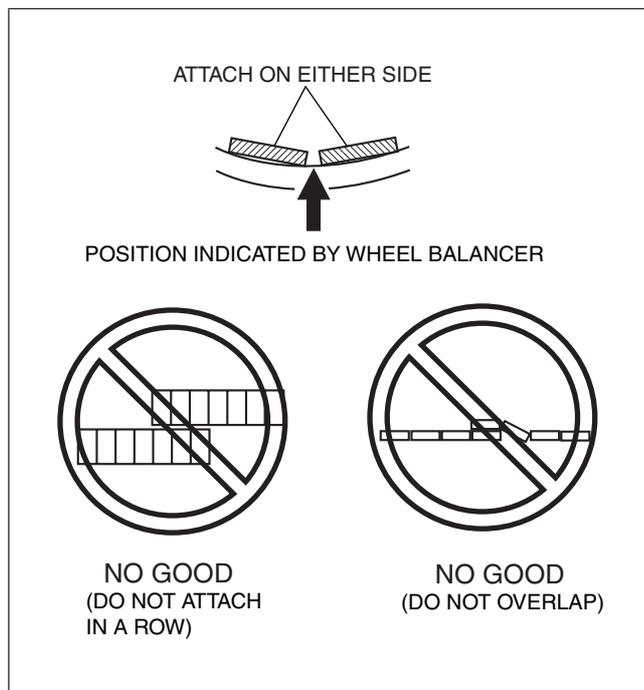
### Caution

- Use a genuine balance weight or equivalent (steel).
- When attaching the weight, press the weight with a force of 25 N {2.5 kgf, 5.5 lbf} per 5 g {0.2 oz} for 2 s or more.

6. If attaching two balance weights, position them so that each is on either side of the position indicated by the wheel balancer.

### Caution

- Do not attach weight balances in a row.
- Do not overlap the balance weights.
- Total weight must not exceed 160g {5.65 oz}.

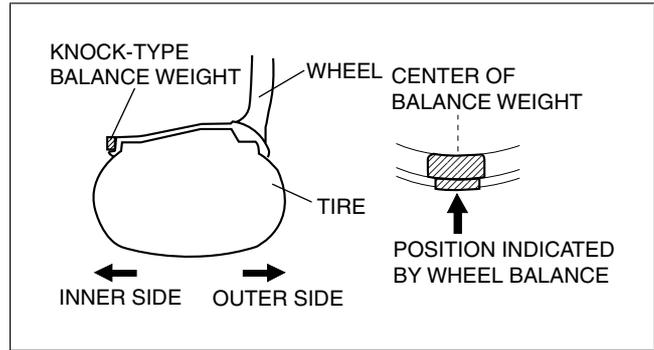


### Knock-type Balance Weight (Inner)

1. Measure the amount of unbalance with a wheel balancer.
2. Attach a weight corresponding to the measured weight value on the position (inner) indicated by the wheel balancer.

**Caution**

- Do not attach three or more balance weights.
- One balance weight must not exceed 60g {2.12 oz}, and a total of tow balance weights must not exceed 100g {3.53 oz}.



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**Remaining Amount of Unbalance Confirmation**

1. After installing the outer and inner balance weights, operate the wheel balancer again.
2. Confirm that the remaining unbalance does not exceed the following on either side.
  - If the remaining unbalance exceeds the specifications, adjust the wheel balance again.

**Specifications**

	<b>Outer (Adhesive-type)</b>	<b>Inner (Knock-type)</b>
15 inch wheel	14 g {0.49 oz}	9 g {0.32 oz}
16 inch wheel	13 g {0.46 oz}	8 g {0.28 oz}
17 inch wheel	11 g {0.38 oz}	7 g {0.25 oz}
18 inch wheel	10 g {0.35 oz}	6g {0.21 oz}