

## 02-12 WHEEL AND TIRES

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### WHEEL BALANCE ADJUSTMENT

A5U021201014W01

#### 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 get 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

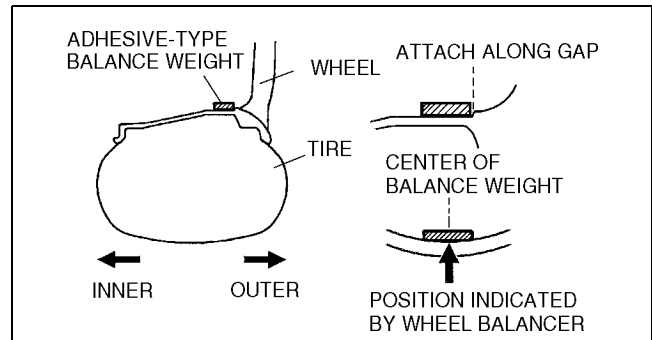
{1.24 oz}

#### Note

- When selecting a balance weight, select one closest to the calculated value.  
 Example:  $32.4 \text{ g } \{1.14 \text{ oz}\} = 30 \text{ g } \{1.06 \text{ oz}\}$ ,  $32.5 \text{ g } \{1.15 \text{ oz}\} = 35 \text{ g } \{1.24 \text{ oz}\}$

#### Caution

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



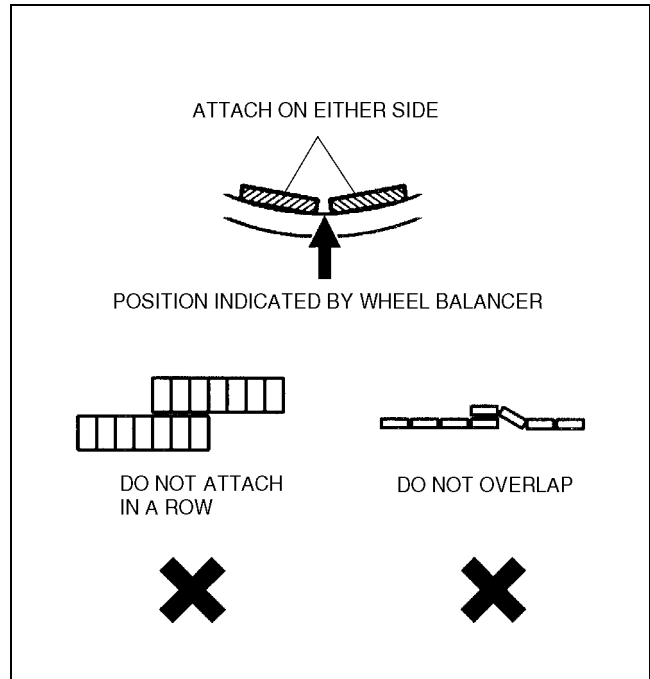
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## WHEEL AND TIRES

- If attaching 2 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}.



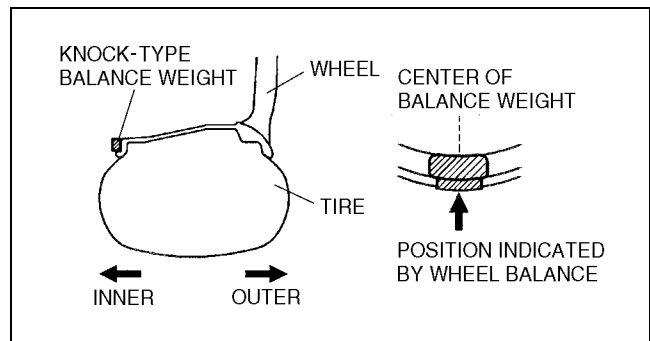
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### Knock-type Balance Weight (Inner)

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

### Caution

- Do not attach 3 or more balance weights.
- One balance weight must not exceed 60g {2.12 oz}, and a total of 2 balance weights must not exceed 100g {3.53 oz}.



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### Remaining Amount of Unbalance Confirmation

- After installing the outer and inner balance weights, operate the wheel balancer again.
- Confirm that the remaining unbalance does not exceed **10 g {0.35 oz}** at outer and **8 g {0.28 oz}** at inner on either side.
  - If the remaining unbalance exceeds **10 g {0.35 oz}**, perform wheel balance adjustment again.

### Allowable remaining unbalance value (g)

Dynamic unbalance (at rim): 10 g {0.35 oz} max. (outer), 8 g {0.28 oz} max. (inner)

Static unbalance (at rim): 13 g {0.46 oz} max.