

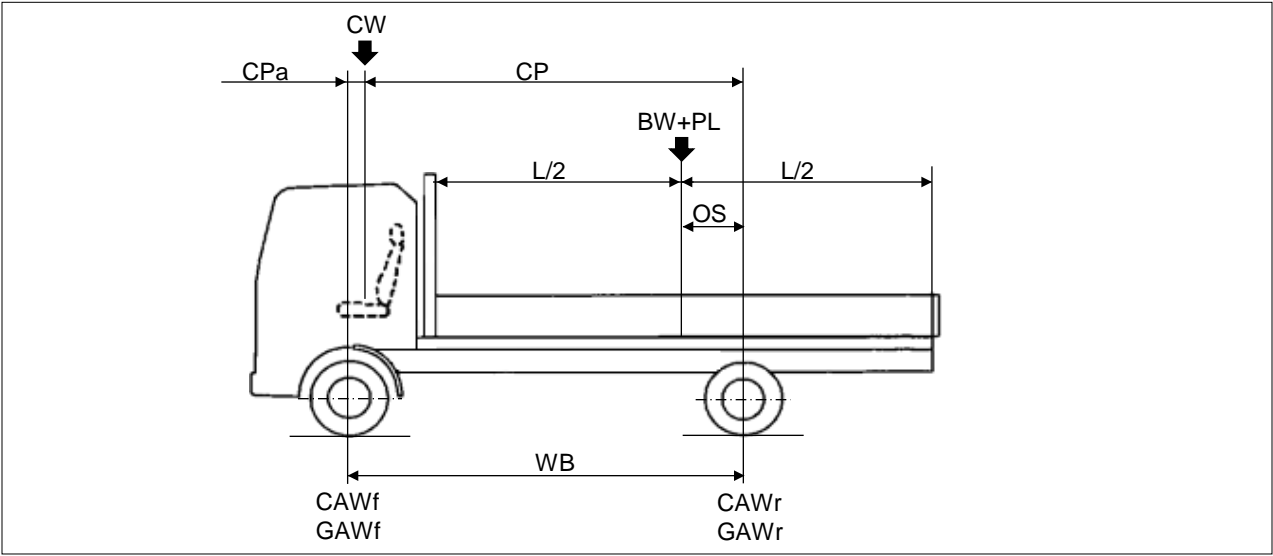
1-3 WEIGHT DISTRIBUTION

① Formula for determining load distribution (2 axle vehicle・single cab)

The assumption condition of this calculating formula is as follows.

- Assume that the center of gravity of the total weight of the rear body and cargo is located in the center of the overall length of the rear body.

2 axle vehicle・single cab



WB: Wheelbase (mm)···Refer to “1-7 CAB CHASSIS DRAWINGS ”

OS: Offset of the combined center of gravity of the rear body and cargo from the rear axle center (mm)

CP: Distance from occupant to the rear axle center (mm)

CPa: Distance from occupant to the front axle center (mm)

L/2: Half length of the cargo bed (mm)

BW: Rear body weight (kg)

PL: Cargo weight (kg)

CW: Occupants weight (kg)

CAWf: Chassis front axle weight (kg)

CAWr: Chassis rear axle weight (kg)

GAWf: Vehicle front axle weight (kg)

GAWr: Vehicle rear axle weight (kg)

GVW: Gross vehicle weight (kg)

Vehicle model	CPa(mm)
PHR	183

Refer to “1-2 CAB CHASSIS WEIGHT AND AXLE LOAD CAPACITY”

Basic formula

(a) $GVW = GAWf + GAWr$

$= CAWf + CAWr + BW + PL + CW$

(b) $GAWf = CAWf + \{(BW + PL) \times OS / WB\} + \{CW \times CP / WB\}$

$= CAWf + \{(BW + PL) \times OS / WB\} + \{CW \times (WB - CPa) / WB\}$

(c) $GAWr = GVW - GAWf$