

terminal and connector are disconnected in vibration. Fix

the harness in the proper

location.

## Moving harness

- When connecting an additional harness to any equipment that produces relative vibration against chassis frame, such as engine and transmission, reasonably slacken the harness and lay it along the factory-installed harnesses so as to absorb the relative vibration. Be sure that the additional harness does not contact with adjacent parts or equipments.
- As for the factory-installed harnesses connected to the equipments that produce relative vibration against chassis frame, such as engine and transmission, do not change the way how they are secured, the clipping points, and the sagging volume.

Harness root of moving

There is a possibility that the

# Heat protection

Poor example

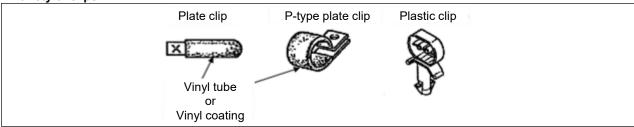
Good example

 Harnesses must sufficiently be distant from heat source (e.g. Exhaust pipe). Be sure that the temperature of the harnesses does not exceed their allowable temperature limit (80°C in principle).

#### Clip

 Use plastic clips, or vinyl-coated or rubber-coated plate clips whose base material is rustproofed.

## A variety of clips



Clip distance are as follows:

### Distance of harness clip

Unit: mm

2.034.100 0.144.11000 0.16	
Harness diameter	Clip distance
5 or less	300 or less
5 to 10	400 or less
10 or more	500 or less

If the wire vibrate due to engine or driving vibration, shorten the clipping distances.