

Examples of non-substantial replacements, i.e., that do not result in a substantial modification

1. Batteries

Replacing an old battery with an OEM or OEM-equivalent battery of the same capacity (e.g., 3000mAh).

- **Functionality Change:** None. The replacement battery restores the original runtime and performance without changing the device's intended purpose.
- **Safety Impact:** None if the battery installation meets relevant safety standards based on technical evidence.

2. Displays

Replacing a cracked screen with an OEM or OEM-equivalent display of the same resolution, size, and touch sensitivity.

- **Functionality Change:** None. The replacement restores the original display functionality without altering user interaction.
- **Safety Impact:** None if the replacement meets safety standards, including material compliance, based on technical evidence.

3. Charging Ports

Replacing a damaged USB-C charging port with an identical component that supports the same power and data transfer rates.

- **Functionality Change:** None. The device charges and transfers data as originally designed.
- **Safety Impact:** None as long as the component meets safety standards based on technical evidence.

4. Cameras

Replacing a broken camera module with an identical OEM or OEM-equivalent component of the same resolution and performance.

- **Functionality Change:** None. The replacement restores the original camera functionality.
- **Safety Impact:** None if the component meets electrical safety and compliance requirements, based on technical evidence.

5. Buttons and Sensors

Replacing a damaged power button or volume rocker with an identical OEM-equivalent component.

- **Functionality Change:** None. The replacement restores original operation without any change.
- **Safety Impact:** None if the replacement meets mechanical and electrical safety standards, based on technical evidence.

Replacing a broken fingerprint sensor with a new module of the same type that integrates seamlessly with the device's system.

- **Functionality Change:** None. Biometric functionality remains intact as long as compatibility is maintained.
- **Safety Impact:** None if the replacement complies with safety and data security standards based on technical evidence.

6. Notebooks/Laptops

Replacing a laptop keyboard with an identical OEM or OEM-equivalent component with a different language layout, the other aspects remain the same (key travel, and backlight features).

- **Functionality Change:** None. The replacement restores the original typing experience and layout functionality using a different language.
- **Safety Impact:** None if the replacement meets mechanical and electrical safety standards, based on technical evidence.

Replacing a broken hinge on a laptop with an identical OEM or OEM-equivalent hinge made from the same material and designed to handle the same stress levels.

- **Functionality Change:** None. The replacement restores the device's opening/closing mechanism without altering functionality.

- **Safety Impact:** None if the hinge meets mechanical durability and structural integrity standards, supported by technical evidence.

7. Smartwatches

Wristbands (Structural Components): Replacing a damaged smartwatch wristband with an OEM or OEM-equivalent band made of the same material (e.g., silicone, leather, or stainless steel) and with the same durability.

- **Functionality Impact:** None. The replacement maintains the watch's secure fit and usability.
- **Safety Impact:** None if the material meets hypoallergenic and wear resistance standards, with compliance confirmed by material safety documentation.