Poka Yoke

Mistake Proofing

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Poka Yoke

- Mistake Proofing – prevent errors from moving to the next step in a process
  - A behavior shaping constraint
  - Occurs at very low levels
  - May either warn of, or prevent errors
  - Typically applied to errors of execution

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Poka Yoke Examples

- You cannot remove the key from your car unless the automatic transmission is in park.
  - Microwave oven will not operate if the door is open
  - Rumble strips on the highway
  - Speed bumps

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Poka Yoke Examples

- Coffee maker automatic shut-off
- Pink Ceiling Paint
- Round manhole covers

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Poka Yoke Examples

- Sink overflows
- Motion sensitive lights and commodes
- Machine guard interlocks

Poka Yoke Example

Online forms
1) Verify all required fields have been filled out.

2) Validate data types

3) Validate data values

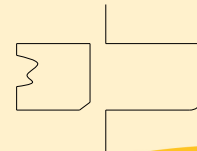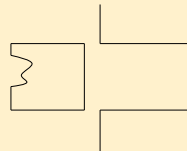## Mistake Proofing a Phone Number

Phone [　　　　　]

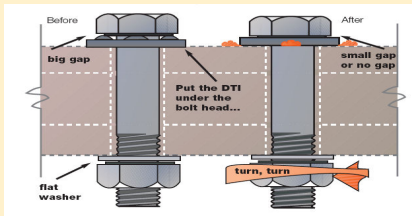Phone [　　　　　　]

xxx – xxx - xxxx

Phone [　] [　] [　　]

Poka Yoke Example

- Tooling - Symmetrical outside
  - Could be reversed

- Tooling - Asymmetrical outside
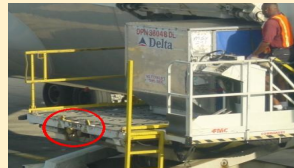 - Cannot be reversed

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