

# SMOKE ALARM INSTALLATION

September 2009

INJURY PREVENTION TRAINING

Injury Prevention Daily  
Quick Drills - Easy Access to  
Training Topics

## Do you know where to **CORRECTLY** install smoke alarms?

### References:

**NFPA Smoke Alarm  
Installation Guide**

**NFPA Home Smoke  
Alarms- The Data as  
Context for Decision**, by  
Marty Ahrens, Fire  
Technology, January 2008.

**NFPA 1001, 2008  
JPR  
6.5.1**

1. Install smoke alarms in these areas
  - a. Inside each bedroom
  - b. Outside of each separate sleeping area
  - c. Each level of the home including the basement.
2. Avoid installing alarms in these areas
  - a. Kitchens or within 3 feet of the door
  - b. Garages
  - c. Bathrooms or within 3 feet of the door
  - d. Most attics, unless the local jurisdiction requires them in walk up attics
3. Special considerations (see diagrams)
  - a. Stay 3 feet away from a supply air register and not in direct flow path
  - b. Stay 3 feet from tips of ceiling-suspended paddle fans
  - c. Do not install within 4 inches of corner, nor more than 12 inches from ceiling.
  - d. On peaked ceilings, install within 36 inches horizontally from either side of peak, but not within 4 inches vertically from peak.
  - e. Many older mobile homes built before 1978 have little or no insulation. If there is little insulation or if you are unsure, install the unit on the walls only.

