

## PRODUCT UPDATE: Smoke Detector Maintenance “Washing Program”

After your detector has been in operation for a period of time or if it was installed prior to the completion of all building construction, your detector may have become more sensitive due to dirt build-up in the detector's optic sensing chamber which could cause nuisance alarms or could cause activation from small amounts of smoke build-up.

For further information regarding frequency of maintenance and testing, refer to NFPA 72E, NFPA, Battery March Park, Quincy, MA 02269.

If this should occur, following this simple washing procedure will restore your smoke detector back to its original condition.

**IMPORTANT: Failure to follow full cleaning instructions could result in damage to this smoke detector.**

1. Turn off electrical power to the detector.
2. Twist the detector counter-clockwise to remove it from its mounting plate. **WARNING:** The fire alarm system shall remain active during all maintenance. Therefore, while servicing one detector, either use a replacement detector or a jumper plug to keep the fire alarm system operative. Contact your local Gentex distributor for the proper jumper plugs to use with your fire system.
3. Unplug the connector from the back of the detector. Do not remove the wire connection; leave the connector for your replacement detector or jumper plug.
4. Select three (3) standard size wash buckets and fill them each with one gallon of normal tap water (**distilled or de-ionized treated water is recommended as a final rinse** if water is extremely hard in your area).
5. Add 1/8 cup of Ivory dishwashing liquid to the first bucket of water and allow it to mix thoroughly, then place one dirty detector into the soap mixture until it becomes completely covered or submerged.

NOTE: If the detectors are exceptionally dirty, you may wish to first wipe off any excess dirt before washing detector so as not to dirty the wash water too quickly.

**WARNING: ONLY IVORY DISHWASHING LIQUID IS TO BE USED. OTHER BRANDS ARE NOT RECOMMENDED AND MAY CAUSE YOUR DETECTOR TO MALFUNCTION.**

6. Allow detector to soak for approximately 10 minutes (longer if extremely dirty). Then agitate for 5 or 10 seconds to flush out any remaining dirt left inside detector's housing.
7. Remove detector from wash water and transfer directly to one of the first rinse buckets containing clear water. Again, allowing detector to become completely submerged, agitate once more for 5 or 10 seconds to remove soap residue.
8. Finally, transfer detector to your second and final rinse bucket, repeating method found in Step 7, then remove detector to a clean dry area for a period of 48 hours to allow it to thoroughly dry.

**WARNING: SMOKE DETECTORS ARE TO AIR DRY ONLY. DO NOT PLACE DETECTOR IN OVEN OR USE A HOT AIR BLOWER TO ACCELERATE DRYING TIME. THIS COULD RESULT IN DAMAGE TO YOUR SMOKE DETECTOR.**

**IMPORTANT: IT IS RECOMMENDED TO CHANGE WASH AND RINSE WATER AFTER FIVE (5) DETECTORS. IF YOUR DETECTORS ARE EXTREMELY DIRTY, WATER SHOULD BE CHANGED FOR FREQUENTLY.**

In the event you experience difficulty in the cleaning of your smoke detectors or if you have any questions, please contact Gentex Corporation or your local Gentex distributor.

**This program does not apply to the 110 or the 112 Series Smoke Detectors. Detectors which have not been cleaned for several years may require an initial one time cleaning at the factory.**