

September 11, 2009



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Safety Notice

Ultima[®] XE, Ultima[®] X³, and Trigard[®] Gas Monitors

MSA recently became aware that our supplier for the Ultima X sensor housing incorrectly machined a limited number of sensor housings that are used on the Ultima XE, Ultima X³, and Trigard gas monitors. The incorrectly machined sensor housings were used on gas monitors, and replacement sensor assemblies shipped from May 28, 2009 through July 17, 2009. This *Safety Notice* is being issued to users that may have received an affected gas monitor or replacement sensor assembly.

The machining error can cause the sensor to remain electrically connected when disconnecting the sensor assembly under power for sensor replacement or other maintenance. Specifically, when unthreading the sensor assembly, the sensor electronics can remain connected to the gas monitor and therefore exposed to the atmosphere instead of disconnecting and sliding out with the sensor assembly. This condition can cause an explosion if an explosive atmosphere is present when disconnecting the sensor under power.

DO NOT disconnect a sensor under power until you have corrected the condition described in this notice or determined that the sensor is not affected. The machining error does not affect the function of the sensor or create a risk of explosion while the sensor assembly is connected.

This notice applies only to explosion proof sensors with stainless steel housings. General purpose sensors with plastic or stainless steel housings are not affected. The photos below depict the type of gas monitors affected.



Ultima XE
Gas Monitor



Ultima X³
Gas Monitor



Trigard
Gas Monitor

The attached list contains the serial numbers for all affected sensor assemblies with the exception of the last three digits, which are represented by “xxx”. An affected sensor assembly may contain any values for the last three digits. Use this list to identify affected sensor assemblies at your facility.

If the serial number on a sensor assembly matches any of the serial numbers on the attached alpha-numeric list, including any value for the last three digits, the sensor assembly is affected and must be replaced. The serial number is printed on the inside of the sensor assembly and on a label affixed to the monitor housing as indicated in the photos below. The serial number is also printed on the shipping box containing any unused monitor or sensor assembly.



It is important to note that if a replacement sensor assembly was installed on an existing gas monitor, the sensor assembly serial number would not be the same as the serial number identified on the monitor label. If the sensor assembly serial number is unknown, either disconnect the power from the monitor or declassify the area by using a portable gas detector, and then disconnect the sensor. Do not remove the sensor if there is any doubt as to the rating of the area.

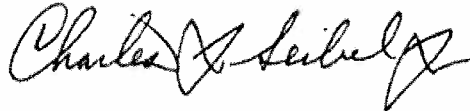
To obtain replacement sensor assemblies, please complete the enclosed order form and fax it to MSA Customer Service at 724-776-3280. You can also e-mail the form to customer.service@msanet.com. MSA will then ship you the appropriate replacement sensor assembly free of charge. We will also send you shipping instructions and a UPS account number to use when returning the affected sensor assemblies to MSA. Please use the same box the replacement sensor assembly is sent in to return the affected sensor assembly to MSA. Return affected sensor assemblies to MSA at the address below:

MSA
Dept. X
1000 Cranberry Woods Drive
Cranberry Twp., PA 16066

Please note: If the affected sensor assemblies are not received within 30 days, MSA will invoice you for the replacement sensor assemblies shipped to you.

MSA regrets any inconvenience that this situation may cause; however, we trust that you will accept our indicated measures to address this potential safety concern. If you have any questions, please contact MSA Customer Service at 1-800-MSA-INST (1-800-672-4678).

Very truly yours,

A handwritten signature in black ink, appearing to read "Charles J. Seibel, Jr.", with a stylized flourish at the end.

Charles J. Seibel, Jr.
Manager of Product Safety

PPL09024-01



Serial Numbers of Affected Sensor Assemblies

E09-3124510-10-xxx	F09-3136727-30-xxx	F09-3140996-10-xxx	F09-3145566-10-xxx
E09-3124510-20-xxx	F09-3136732-20-xxx	F09-3140996-30-xxx	F09-3145582-10-xxx
E09-3131255-10-xxx	F09-3136737-30-xxx	F09-3141067-10-xxx	F09-3145586-10-xxx
E09-3132530-10-xxx	F09-3136740-30-xxx	F09-3141102-10-xxx	F09-3145696-10-xxx
E09-3132929-10-xxx	F09-3136749-100-xxx	F09-3141301-10-xxx	F09-3145713-10-xxx
E09-3133611-10-xxx	F09-3137018-10-xxx	F09-3141301-20-xxx	F09-3145723-10-xxx
E09-3133622-10-xxx	F09-3137024-10-xxx	F09-3141441-10-xxx	F09-3145757-10-xxx
E09-3133647-10-xxx	F09-3137218-20-xxx	F09-3141441-20-xxx	F09-3145785-10-xxx
E09-3133662-20-xxx	F09-3137388-20-xxx	F09-3141441-30-xxx	F09-3145785-20-xxx
E09-3133707-10-xxx	F09-3138142-10-xxx	F09-3141452-10-xxx	F09-3145787-190-xxx
E09-3133863-10-xxx	F09-3138142-20-xxx	F09-3142160-10-xxx	F09-3145999-10-xxx
E09-3134057-10-xxx	F09-3138152-10-xxx	F09-3142160-20-xxx	F09-3145999-20-xxx
E09-3136048-10-xxx	F09-3138167-10-xxx	F09-3143256-10-xxx	F09-3146038-10-xxx
E09-3136082-10-xxx	F09-3138276-10-xxx	F09-3143283-10-xxx	F09-3146043-10-xxx
E09-3136090-10-xxx	F09-3138473-10-xxx	F09-3143398-10-xxx	F09-3146152-10-xxx
E09-3136952-10-xxx	F09-3138496-10-xxx	F09-3143419-60-xxx	F09-3147346-10-xxx
E09-3137286-10-xxx	F09-3138544-10-xxx	F09-3143477-10-xxx	F09-3147503-10-xxx
E09-3137494-10-xxx	F09-3138555-40-xxx	F09-3143492-20-xxx	F09-3147579-10-xxx
E09-3138001-10-xxx	F09-3138555-50-xxx	F09-3143544-20-xxx	F09-3147616-10-xxx
E09-3138338-20-xxx	F09-3138555-60-xxx	F09-3143544-50-xxx	F09-3147616-20-xxx
E09-3138341-10-xxx	F09-3138795-10-xxx	F09-3143586-10-xxx	F09-3147616-30-xxx
F09-2992143-20-xxx	F09-3138795-20-xxx	F09-3143586-10-xxx	F09-3148319-10-xxx
F09-2992143-30-xxx	F09-3138809-10-xxx	F09-3143733-0-xxx	F09-3148352-10-xxx
F09-3095139-50-xxx	F09-3138809-10-xxx	F09-3143733-10-xxx	F09-3148359-10-xxx
F09-3095139-60-xxx	F09-3139313-10-xxx	F09-3143764-10-xxx	F09-3148376-20-xxx
F09-3095139-70-xxx	F09-3139330-10-xxx	F09-3143775-10-xxx	F09-3148381-10-xxx
F09-3097546-20-xxx	F09-3139368-10-xxx	F09-3143775-10-xxx	F09-3148382-10-xxx
F09-3097546-20-xxx	F09-3139595-140-xxx	F09-3143775-20-xxx	F09-3148405-40-xxx
F09-3097546-20-xxx	F09-3139642-10-xxx	F09-3143775-20-xxx	F09-3148434-20-xxx
F09-3097546-40-xxx	F09-3139651-10-xxx	F09-3143775-20-xxx	F09-3148451-10-xxx
F09-3099952-10-xxx	F09-3139660-10-xxx	F09-3143940-20-xxx	F09-3148451-20-xxx
F09-3110980-41-xxx	F09-3139704-10-xxx	F09-3144207-10-xxx	F09-3148462-10-xxx
F09-3126067-10-xxx	F09-3139709-30-xxx	F09-3144226-20-xxx	F09-3148465-80-xxx
F09-3129010-20-xxx	F09-3139761-10-xxx	F09-3144267-30-xxx	F09-3148466-10-xxx
F09-3129010-30-xxx	F09-3139781-10-xxx	F09-3144267-50-xxx	F09-3148474-20-xxx
F09-3132535-20-xxx	F09-3139788-10-xxx	F09-3144267-60-xxx	F09-3148547-10-xxx
F09-3133571-30-xxx	F09-3139788-30-xxx	F09-3144308-20-xxx	F09-3148567-10-xxx
F09-3133571-30-xxx	F09-3139788-50-xxx	F09-3144337-10-xxx	F09-3148597-10-xxx
F09-3133639-30-xxx	F09-3139897-50-xxx	F09-3144404-20-xxx	F09-3148664-10-xxx
F09-3134044-10-xxx	F09-3139961-10-xxx	F09-3144462-10-xxx	F09-3148687-10-xxx
F09-3134863-40-xxx	F09-3140040-20-xxx	F09-3144465-10-xxx	F09-3148687-20-xxx
F09-3134870-10-xxx	F09-3140414-10-xxx	F09-3144465-30-xxx	F09-3148687-30-xxx
F09-3134885-20-xxx	F09-3140465-10-xxx	F09-3144659-10-xxx	F09-3148706-10-xxx
F09-3134885-40-xxx	F09-3140465-20-xxx	F09-3144659-20-xxx	F09-3148706-20-xxx
F09-3136073-20-xxx	F09-3140561-20-xxx	F09-3144896-10-xxx	F09-3148747-50-xxx
F09-3136073-30-xxx	F09-3140566-10-xxx	F09-3144919-10-xxx	F09-3148764-10-xxx
F09-3136073-40-xxx	F09-3140622-10-xxx	F09-3145005-20-xxx	F09-3149045-20-xxx
F09-3136509-30-xxx	F09-3140628-30-xxx	F09-3145535-20-xxx	F09-3149091-10-xxx
F09-3136554-80-xxx	F09-3140793-20-xxx	F09-3145535-60-xxx	F09-3149236-0-xxx

