



California  
Air Resources Board  
Compliance Division

# Advisory

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## Nozzle Malfunction

Number 26

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### Healy Vapor Recovery System Nozzle Malfunctions

#### THE PURPOSE OF THIS ADVISORY IS TO:

1. Help to identify malfunctions of the Healy Model 200 gasoline vapor recovery nozzle.
2. Help to get the malfunctioning nozzles repaired by Healy at no expense to gasoline retailers.
3. Prevent malfunctioning nozzles from causing difficult fuelings.

It has come to our attention that some of the Healy Gasoline Vapor Recovery System Nozzles (Model 200) are malfunctioning due to a separated vapor pressure regulator diaphragm. The malfunction may cause intermittent nozzle shut-offs during fueling, thereby making fueling more difficult.

There are two indications of a separated vapor pressure regulator diaphragm which do not require disassembling the nozzle to inspect the diaphragm. They are:

1. Difficult fueling which cannot be attributed to any other cause.
2. Not being able to hear a vacuum or "hissing" sound from a nozzle when it is attached to a dispenser which is energized but is not dispensing fuel. When a nozzle is removed from the dispenser, the dispenser is energized, and the trigger on the nozzle is slightly depressed (less than 1/8", but not enough to dispense fuel), a continuous vacuum sound should be heard. If you cannot hear this sound, there may be a malfunction in the vacuum diaphragm.

***CAUTION: DO NOT HOLD THE NOZZLE TO YOUR EAR! HOLD THE NOZZLE OVER A PAIL TO CATCH ANY GASOLINE SPILLED WHILE YOU LISTEN FOR THE VACUUM SOUND.***

#### WHAT TO DO IF YOU THINK THAT YOU HAVE FOUND A MALFUNCTIONING DIAPHRAGM:

Contact Jack Healy, or his representative, of Cambridge Engineering at (818) 505-0733. Cambridge Engineering will have the nozzle repaired by a qualified technician or the nozzle will be exchanged. There will not be a charge for this repair.

For answers to your questions, call the Air Resources Board Compliance Division at (800) 952-5588 or (916) 322-SMOG. If no one answers, please leave a message on our recorder.

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