



Peter M. Rooney
Secretary for
Environmental
Protection

Air Resources Board

John D. Dunlap, III, Chairman
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Pete Wilson
Governor

April 24, 1998

Donald L. Leininger, P.E.
Technical Liaison Manager
OPW Fueling Components
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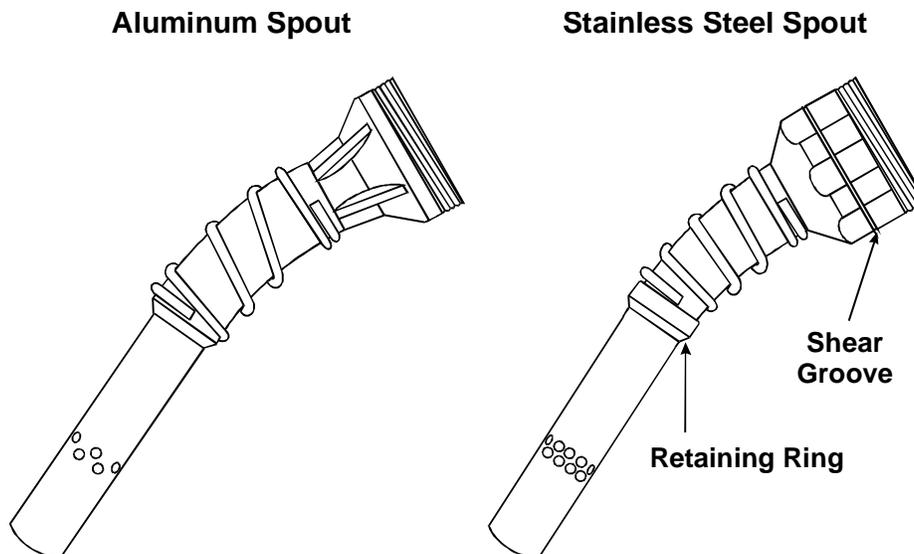
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Dear Mr. Leininger:

Approval of Modifications with the Stainless Steel Spout

This is in response to your request for California Air Resources Board (CARB) approval to carry out modifications on the stainless steel spout assembly used with the OPW 11VAI bootless series vapor recovery nozzles. These particular changes involve the addition of a stainless steel retaining ring and the relocation of the shear groove on the spout nut.

The retaining ring will be crimped on at the spout tip end of the anchor spring in order to prevent the spring from being dislodged, while the shear groove will be placed further away from the threads of the spout nut. An illustration of these alterations with the stainless steel spout configuration, along with an aluminum spout configuration, is provided below.



Field conversions of OPW 11VAI type bootless nozzles from an aluminum to a modified stainless steel spout must also include replacement of the spout adapter located inside the nozzle body.

Based on an engineering evaluation of the stainless steel spout, I find that the inclusion of a retaining ring for the anchor spring and the relocation of the shear groove on the spout nut will not adversely affect the performance of the OPW 11VAI series Phase II Vapor Recovery Nozzles. Therefore, these modifications with the stainless steel spout assembly are approved for use with the OPW 11VAI series Phase II Vapor Recovery Nozzles.

If you have any questions or wish to discuss this matter further, please call Paul Thalken at (916) 445-0383 or Laura McKinney at (916) 327-1525.

Sincerely,

INTERNET VERSION

James J. Morgester, Chief
Compliance Division

cc:

Mr. Jim Johnston, Chairman,
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Lynn LaBarber
CARB Compliance Assistance Section