

RAVEN

AEROSTAR

Aerostar International, Inc.

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AEROSTAR MAINTENANCE BULLETIN 06-11-002

Date of Issue: June 9, 2011

Subject: Rework and repair of pilot light vapor converter (HP2-update and HP3 burners)

Discussion: Previous to this maintenance bulletin, the only maintenance that was available for the pilot light vapor converter on the HP2-update and HP3 burners was as required in the Airworthiness Limitations section or the Aerostar Instructions for Continued Airworthiness (ACAI) page 3-8:

"At intervals not to exceed 100 hours or 12 calendar months, whichever expires first, the pilot light vapor converter must be removed, cleaned, lubricated, reassembled, and tested for proper operation.

The pilot light orifice must be inspected to insure that it is not obstructed. Replace if needed."

In addition, Paragraph 5.2.6 details the cleaning as well as "o"ring replacement and re-lubrication of the vapor converter and a replacement piston.

If another issue existed with damage to the vapor converter, the orifice became permanently stuck, or the operation was not correct, the only other option was to replace the vapor converter. Complete new vapor converters are no longer available as well as replacement pistons. Instead, replacement parts are available for both ends of the vapor converter body, the round rubber end of the piston, shim washer as well as the "o"rings already available for replacement. This means only two components do not have replacement parts: 1) the piston; 2) the spring.

Action: To ensure that a vapor converter that requires replacement parts other than the replacement of "o"rings or the stem seal (51034-16 "o"ring, Regulator (small), 51034-17 "o"ring, Regulator (large), 53287 Seal, Regulator Stem) is functioning per the original Aerostar requirements for a new vapor converter, the vapor converter requiring repair must be sent to Aerostar for the installation of replacement parts and testing to verify operation.

Procedure: If a pilot light vapor converter is damaged or fails to operate properly, remove the complete vapor converter from the burner and send the vapor converter, orifice and pilot head to Aerostar for repair, replacement parts and testing.

If you have any questions concerning this bulletin, please contact Aerostar Intl., Inc. Hot Air Balloon customer service at (605) 331-3500 or mail@aerostar.com .

Replacement Parts for Vapor Converter

51017-43	Washer, S.S. 0.620 +/- .005 X 0.381 +/- .005 X 0.015 +/- .002
53285	Regulator Body, Female
53286	Regulator Body, Male
53287	Seal, Regulator Stem
51034-16	“o”ring, Regulator (small)
51034-17	“o”ring, Regulator (large)