

AHDA1W Atlantes Discharge Assembly (Internal Vented Loop)

THE FOLLOWING ARE CAUTIONARY STATEMENTS THAT MUST BE READ AND FOLLOWED DURING BOTH INSTALLATION AND OPERATION

WARNING: *Raritan Engineering Company, Inc. recommends that a qualified person install this product. Equipment damage, injury to personnel or death could result from improper installation. Raritan Engineering Company, Inc. accepts no responsibility or liability for damage to equipment, or injury or death to personnel that may result from improper installation or operation of this product.*

WARNING: **HAZARD OF FLOODING** - *Danger of flooding if installed improperly. Always shut off the seacocks before leaving the boat unattended.*

WARNING: **DANGER OF SUFFOCATION** - *Check valve vent must be run outside of cabin area. If vented loop check-valve is not installed according to recommendations it is possible for sewage gases to flow through a dysfunctional vented loop check valve and displace the air in the living space.*

The AHDA1W Internal Vented Loop allows water to be retained in the bowl of the Atlantes marine toilet when installed **above waterline**.

CAUTION: The AHDA1W is **ONLY** for use with **above waterline** installations. This product is **NOT** intended as a backflow prevention device for below waterline installations.

INSTALLATION

WARNING: Hazard of Shock
Disconnect power before proceeding.

WARNING: Hazard of Flooding
Shut off seacocks and turn off water at source.

Flush Lever Toilets (A5 Models): Set jumper J1 on circuit board to position "A" (see Fig. #1). This will cause the inlet pump to continue running for a few more seconds after discharge pump has stopped.

Wall Switch Flush Control Toilets (A6 Models): Set jumper (1-2) on back of wall switch to "ON" position (see Fig. #2). This will cause the inlet pump to continue running for a few more seconds after discharge pump has stopped.

Fig. #1 Jumper Settings for (A5 Models)

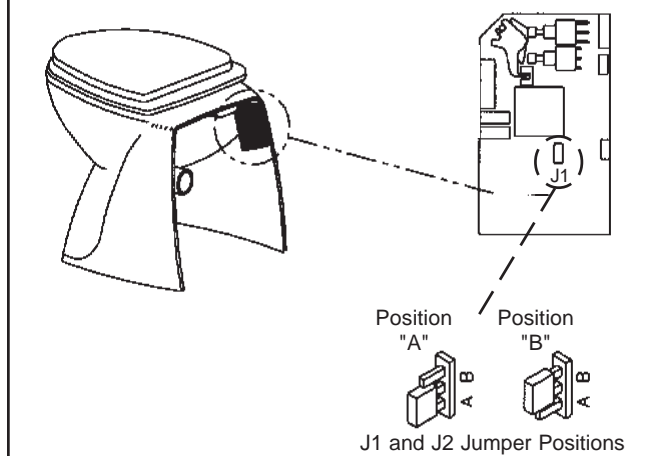
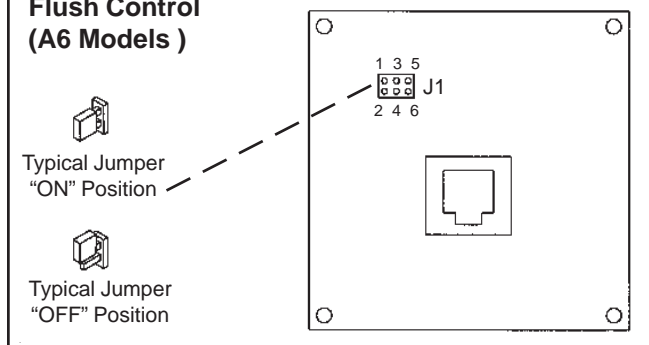


Fig. #2 J1 Jumper Settings for Wall Switch Flush Control (A6 Models)



INSTALLATION OF INTERNAL VENTED LOOP

IMPORTANT: The Atlantes must have an 90 degree discharge to install the AHDA1W Internal Vented Loop.

Carefully connect 1/4" tubing to vented loop check valve hose barb. Route hose to an outside vent fitting.

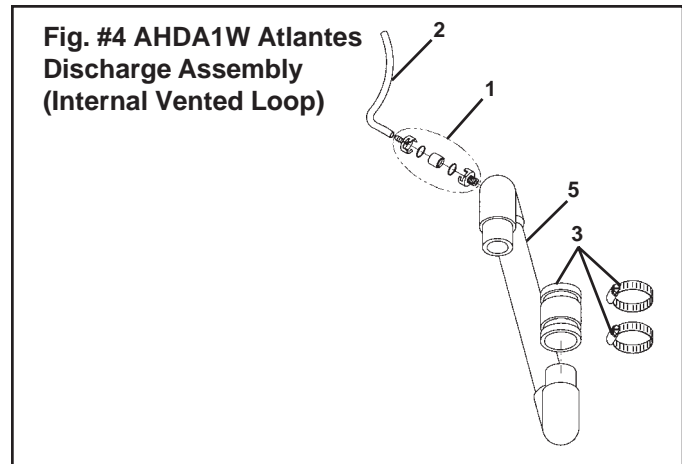
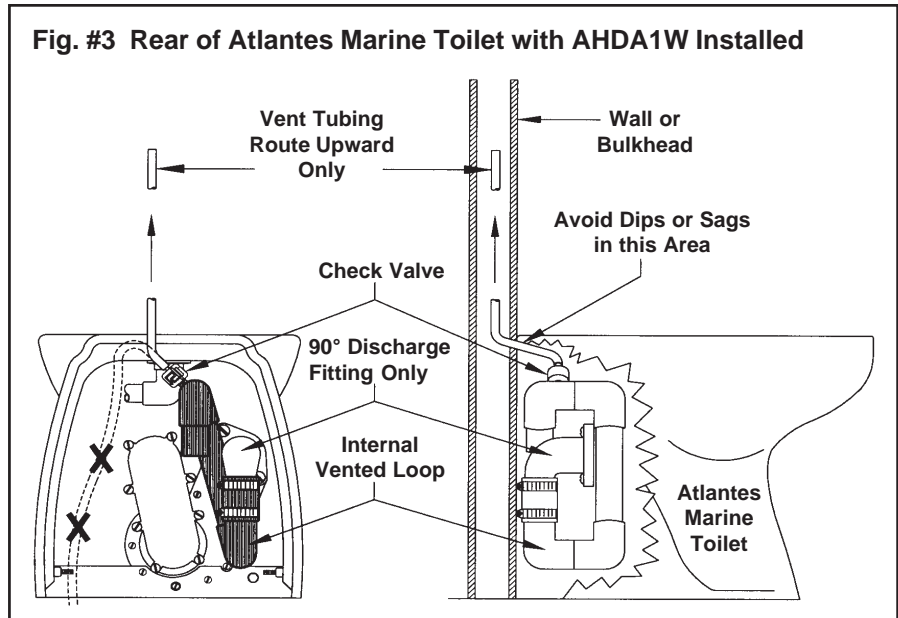
IMPORTANT: Avoid any downhill turns with tubing.

Install internal loop by placing hose end over the Atlantes discharge elbow and tightening hose clamp as shown in Fig. #3. Sanitation hose (1 1/2" [3.8cm]) is connected to free end.

NOTE: After Internal Vented Loop is installed flush toilet several times to achieve the desired water level.

MAINTENANCE AND REPLACEMENT PARTS

The vented loop check valve is self-cleaning. Replacement parts may be identified using the diagram (Fig. #4), parts list and description included.



| Atlantes Discharge Assembly Complete (AHDA1W) | | |
|---|-----------|--|
| Item | Part # | Description |
| 1 | VLV | Vented Loop Check Valve |
| 2 | 31-305 | 1/4" I.D. Tubing, 10 Ft. Long |
| 3 | PLCF1-2EP | 1 1/2" I.D. Hose, 3 1/2" Long with (2) Stainless Steel Hose Clamps |
| 4 | C254 | Cross slit Joker Valve - all "A5" models (not shown) |
| 5 | AHDA1 | Vented Loop Tubing |



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