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CAUTION:

Nautilus P1 System is designed for compartment use only and should not be used on any exterior application where continuous exposure to external elements exits.





IMPORTANT!!











PUMP SWITCH

B&B PN 104-005-00005 (white) & 104-005-00010 (black)

1. Remove (10) perimeter screws on flange of Nautilus panel to gain access to back side.



2. Disconnect power from back of pump switch.



3. On back of switch, compress locking fingers on top. Push top side of switch through panel.



4. On back of switch, compress bottom locking fingers. Push bottom side of switch through panel.







PUMP SWITCH

B&B PN 104-005-00005 (white) & 104-005-00010 (black)

- 5. Remove switch.
- <text>

7. Connect power to new pump switch.



8. Test pump switch and make sure it lights up when pump is in <u>on</u> position.







PUMP SWITCH

B&B PN 104-005-00005 (white) & 104-005-00010 (black)

9. Reinstall Nautilus panel in convenience center and secure with (10) screws.





COAX CONNECTOR

(B&B PN 104-005-00032)

1. Remove (10) perimeter screws on flange of Nautilus panel to gain access to back side.



2. Remove coax line attached to back of coax connector which you wish to replace.



3. From front side of panel, use a pair of pliers to firmly grasp coax connector.



4. Wiggle connector back and forth while pulling to remove. Some unnecessary force may be required.

5. Press new connector into vacated hole with your thumb.



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COAX CONNECTOR

(B&B PN 104-005-00032)

6. Reconnect coax line to back side of coax connector.



7. Reinstall Nautilus panel in convenience center and secure with (10) screws.







CITY WATER CONNECTION INLET

(B&B PN 301-036-00017 white)

1. Remove (10) perimeter screws on flange of Nautilus panel to gain access to back side.



2. Unscrew plumbing line connected to back of "WATER INLET."



3. On back of panel, insert thin flat head screwdriver under "WATER INLET" retainer clip.



4. Using screwdriver, lift retainer clip up.







CITY WATER CONNECTION INLET

(B&B PN 301-036-00017 white)







CITY WATER CONNECTION INLET

(B&B PN 301-036-00017 white)







CITY WATER CONNECTION INLET

(B&B PN 301-036-00017 white)

 While holding inlet body in place, slide retainer clip into 2nd line of grooves on inlet body.



- **<u>NOTE</u>**: Retainer clip will make a clicking sound when it locks into place.
- 15. Screw plumbing line onto **"WATER INLET."** Hand tighten + ¼ turn.



*Do not over tighten as it may result in stress cracking.

14. Check to make sure coupler easily turns around check valve and dust cover strap.



16. Test system to make sure plumbing connections are free of leaks.



17. Reinstall Nautilus panel in convenience center and secure with (10) screws.





BALL VALVE – BLACK HANDLE

(B&B PN 501-008-00007)

1. Remove (10) perimeter screws on flange of Nautilus panel to gain access to back side.



 On back side of panel, unscrew plumbing line connected to ball valve end labeled "TO PUMP INLET."



 On back side of panel, unscrew plumbing line connected to ball valve end labeled "IN FROM TANK."



4. On front side of panel, remove phillips-head screw in center of black handle.



Important! Save the screw. You will need to use it on replacement valve.





BALL VALVE – BLACK HANDLE

(B&B PN 501-008-00007)

5. Remove black handle.



<u>Important!</u> Save the handle. You will need to use it on replacement valve.

7. Ball valve can now be separated from panel.



On front side of panel, remove (2) phillips-head screws that hold ball valve in place.



<u>*Important!*</u> Save the screws. You will need to use them on replacement valve.

8. Insert new ball valve in location vacated by old valve.







BALL VALVE – BLACK HANDLE

(B&B PN 501-008-00007)

9. Secure ball valve in place with (2) phillips-head screws. Image: Constant of the second stress *Do not over tighten as it may result in stress	<u>IMPORTANT!</u> To ensure ball valve will work as intended, handle orientation is critical when any valve is replaced. Please refer to Handle Rotation Verification chart on last page.
cracking.	
10. Place black handle on valve stem so it is facing right.	 10b. If handle does not turn clockwise, remove handle & reinstall it in down position. Handle should rotate counterclockwise to right facing position. 10c. Once proper rotation is established, secure black handle with phillips-head screw.
10a. Handle will turn clockwise to down position if installed correctly.	*Do not over tighten as it may result in stress cracking.



BALL VALVE – BLACK HANDLE

(B&B PN 501-008-00007)

 Screw plumbing line running from (Fresh Water Tank) onto ball valve end labeled "IN FROM TANK" Hand tighten + ¼ turn.



*Do not over tighten as it may result in stress cracking.

 Screw plumbing line running to (Pump In) onto ball valve end labeled "TO PUMP INLET." Hand tighten + ¼ turn.



*Do not over tighten as it may result in stress cracking.

13. Test system to make sure plumbing connections are free of leaks.
Image: Second second





SINGLE DIVERTER VALVE – RED HANDLE

(B&B PN 501-008-00008)

1. Remove (10) perimeter screws on flange of Nautilus panel to gain access to back side.



2. On back side of panel, unscrew plumbing line connected to diverter valve end labeled "HOT WATER OUT/LINE."



 On back side of panel, unscrew plumbing line connected to diverter valve end labeled "COLD LINE SUPPLY."



4. On back side of panel, unscrew plumbing line connected to diverter valve end labeled "TO H2O HEATER."







SINGLE DIVERTER VALVE – RED HANDLE

(B&B PN 501-008-00008)

5. On front side of panel, remove phillips-head screw in center of red handle.



<u>IMPORTANT</u>! Save the screw. You will need to use it on replacement valve.

7. On front side of panel, remove (2) phillips-head screws that hold diverter valve in place.



<u>*IMPORTANT!*</u> Save the screws. You will need to use them on replacement valve.

6. Remove red handle.



<u>IMPORTANT!</u> Save the handle. You will need to use it on replacement valve.

8. Diverter valve can now be separated from panel.







SINGLE DIVERTER VALVE – RED HANDLE

(B&B PN 501-008-00008)

9. Insert new diverter valve in location vacated by old diverter valve.



IMPORTANT!

To ensure diverter valve will work as intended, handle orientation is critical when any valve is replaced. Please refer to Handle Rotation Verification chart on last page. 10. Secure in place with (2) phillips-head screws.



*Do not over tighten as it may result in stress cracking.

11. Place red handle on valve stem so it is facing left.



11a. Handle will turn clockwise to up position if installed correctly.





SINGLE DIVERTER VALVE – RED HANDLE

(B&B PN 501-008-00008)

- 11b. If handle does not turn clockwise, remove handle & reinstall it in up position. Handle should rotate counterclockwise to left facing position.
- 11c. Once proper rotation is established, secure red handle with phillips-head screw.



*Do not over tighten as it may result in stress cracking.

 Screw (Cold Water Supply) plumbing line onto diverter valve end labeled "COLD LINE SUPPLY." Hand tighten + ¼ turn.



*Do not over tighten as it may result in stress cracking.

 Screw (Hot H2O Heater In) plumbing line onto diverter valve end labeled "TO H2O HEATER." Hand tighten + ¼ turn.



*Do not over tighten as it may result in stress cracking.

14. Screw (Hot H2O Heater Out) plumbing line onto diverter valve end labeled "HOT WATER OUT/LINE." Hand tighten + 1/4 turn.



*Do not over tighten as it may result in stress cracking.





SINGLE DIVERTER VALVE – RED HANDLE

(B&B PN 501-008-00008)

15. Test system to make sure plumbing connections are free of leaks.
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SINGLE DIVERTER VALVE – GREEN HANDLE

(B&B PN 501-008-00008)

1. Remove (10) perimeter screws on flange of Nautilus panel to gain access to back side.



2. On back side of panel, unscrew plumbing line connected to diverter valve end labeled "TANK FILL PUMP."



 On back side of panel, unscrew plumbing line connected to diverter valve end labeled "PRESSURE FROM PUMP."



 On back side of panel, unscrew plumbing line connected to diverter valve end labeled "FIXTURES (PUMP)."







SINGLE DIVERTER VALVE – GREEN HANDLE

(B&B PN 501-008-00008)

5. On front side of panel, remove phillips-head screw in center of green handle.



<u>IMPORTANT</u>! Save the screw. You will need to use it on replacement valve.

7. On front side of panel, remove (2) phillips-head screws that hold diverter valve in place.



<u>IMPORTANT!</u> Save the screws. You will need to use them on replacement valve.

6. Remove green handle.



<u>IMPORTANT!</u> Save the handle. You will need to use it on replacement valve.

8. Diverter valve can now be separated from panel.







SINGLE DIVERTER VALVE – GREEN HANDLE

(B&B PN 501-008-00008)

9. Insert new diverter valve in location vacated by old diverter valve.



IMPORTANT!

To ensure diverter valve will work as intended, handle orientation is critical when any valve is replaced. Please refer to Handle Rotation Verification chart on last page. 10. Secure in place with (2) phillips-head screws.



*Do not over tighten as it may result in stress cracking.

11. Place green handle on valve stem so it is facing up.



11a. Handle will turn clockwise to right facing position if installed correctly.





SINGLE DIVERTER VALVE – GREEN HANDLE

(B&B PN 501-008-00008)

- 11b. If handle does not turn clockwise, remove handle & reinstall it in right facing position. Handle should rotate counterclockwise to up position.
- 11c. Once proper rotation is established secure green handle with phillips-head screw.



*Do not over tighten as it may result in stress cracking.

 Screw (Pump Out) plumbing line onto diverter valve end labeled "PRESSURE FROM PUMP." Hand tighten + ¼ turn.



*Do not over tighten as it may result in stress cracking.

 Screw (Cold Water Supply) plumbing line onto diverter valve end labeled "FIXTURES (PUMP)." Hand tighten + ¼ turn.



*Do not over tighten as it may result in stress cracking.

 Screw (Fresh Tank In) plumbing line onto diverter valve end labeled "TANK FILL (PUMP)." Hand tighten + ¼ turn.



*Do not over tighten as it may result in stress cracking.





SINGLE DIVERTER VALVE – GREEN HANDLE

(B&B PN 501-008-00008)

15. Test system to make sure plumbing connections are free of leaks.
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DUAL DIVERTER VALVE – BLUE & WHITE HANDLES

(B&B PN 501-008-00009)

1. Remove (10) perimeter screws on flange of Nautilus panel to gain access to back side.



 On back side of panel, unscrew plumbing line connected to diverter valve end labeled "WATER INLET."



 On back side of panel, unscrew plumbing line connected to diverter valve end labeled "TO PUMP INLET."



 On back side of panel, unscrew plumbing line connected to diverter valve end labeled "TANK FILL (CITY)."







DUAL DIVERTER VALVE – BLUE & WHITE HANDLES

(B&B PN 501-008-00009)

 On back side of panel, unscrew plumbing line connected to diverter valve end labeled "CITY TO FIXTURES."



7. Remove blue handle.



<u>IMPORTANT!</u> Save the handle. You will need to use it on replacement valve.

6. On front side of panel, remove phillips-head screw in center of blue handle.



<u>IMPORTANT!</u> Save the screw. You will need to use it on replacement valve.

8. On front side of panel, remove phillips-head screw in center of white handle.



<u>IMPORTANT!</u> Save the screw. You will need to use it on replacement valve.





DUAL DIVERTER VALVE – BLUE & WHITE HANDLES

(B&B PN 501-008-00009)

9. Remove white handle.

<u>IMPORTANT!</u> Save the handle. You will need to use it on replacement valve.

11. Dual diverter valve can now be separated from panel.



10. On front side of panel, remove (4) phillipshead screws that hold the dual diverter valve in place.



<u>IMPORTANT!</u> Save the screws. You will need to use them on replacement valve.

12. Insert new dual diverter valve in location vacated by old dual diverter valve.







DUAL DIVERTER VALVE – BLUE & WHITE HANDLES

(B&B PN 501-008-00009)

 13. Secure dual diverter valve in place with (4) phillips-head screws. 14. If the provide the provide the phillips of the phillips o	<u>IMPORTANT!</u> To ensure diverter valve will work as intended, handle orientation is critical when any valve is replaced. Please refer to Handle Rotation Verification chart on last page.
14. Place white handle on valve stem on left side of panel so it is facing right.	 14b. If handle does not turn clockwise, remove handle & reinstall it in down facing position. Handle should rotate counterclockwise to right facing position. 14c. Once proper rotation is established, secure white handle with phillips-head screw.
14a. Handle will turn clockwise to down facing position if installed correctly.	*Do not over tighten as it may result in stress cracking.





DUAL DIVERTER VALVE – BLUE & WHITE HANDLES

(B&B PN 501-008-00009)

15. Place blue handle on valve stem on right side of panel so it is facing down.



- 15a. Handle will turn clockwise to left facing position if installed correctly.
- Screw (Cold Water Supply) plumbing line onto diverter valve end labeled "CITY TO FIXTURES." Hand-tighten +¼ turn.



*Do not over tighten as it may result in stress cracking.

- 15b. If handle does not turn clockwise, remove handle & reinstall it in left facing position. Handle should rotate counterclockwise to down facing position.
- 15c. Once proper rotation is established, secure blue handle with phillips-head screw.



*Do not over tighten as it may result in stress cracking.

 Screw (Fresh Tank In) plumbing line tank onto diverter valve end labeled "TANK FILL (CITY)." Hand tighten + ¼ turn.



*Do not over tighten as it may result in stress cracking.





SINGLE DIVERTER VALVE – BLUE & WHITE HANDLES

(B&B PN 501-008-00009)

 Screw plumbing line coming from city water inlet (or filter) onto diverter valve end labeled "WATER INLET." Hand tighten + ¼ turn.



*Do not over tighten as it may result in stress cracking.

 Screw (Pump In) plumbing line onto diverter valve end labeled "TO PUMP INLET." Hand tighten + ¼ turn.



*Do not over tighten as it may result in stress cracking.

20. Test system to make sure plumbing connections are free of leaks.
Image: Second second





SHOWER HEAD

(B&B PN 105-005-00006 white)

1. At union of shower head and hose, loosen plastic coupler on shower hose until they can be separated.



2. Washer sandwiched between hose and head will be reused on replacement.



3. With washer in place, gently screw shower hose coupler onto threads of new shower head and hand tighten.



*Do not over tighten as it may result in stress cracking.

4. Run water through shower to make sure it operates properly.





SHOWER HOSE

(B&B PN 105-003-00004 white)

1. At union of shower head and hose, loosen plastic coupler on shower hose until they can be separated.



2. At union of shower hose and faucet, loosen plastic coupler on shower hose until they can be separated.



3. With new washer installed, place coupler from one end of new shower hose onto faucet threads and hand tighten.



*Do not over tighten as it may result in stress cracking.

4. With new washer installed, place shower hose coupler onto shower head threads and hand tighten.



*Do not over tighten as it may result in stress cracking.

5. Run water through shower to make sure it operates properly.





SHOWER FAUCET

(B&B PN 105-003-00009 white)

1. Remove (10) perimeter screws on flange of Nautilus panel to gain access to back side.



3. On back side of panel, unscrew plumbing line connected to faucet end labeled "**HOT.**"



2. On back side of panel, unscrew plumbing line connected to faucet end labeled "COLD."



4. On back side of panel, loosen and remove plastic nut holding "**COLD**" side of faucet in place.







SHOWER FAUCET

(B&B PN 105-003-00009 white)

5. On back side of panel, loosen and remove plastic nut holding **"HOT"** side of faucet in place.



6. Faucet can now be removed from front side of panel.



7. At union of shower hose and faucet, loosen plastic coupler on shower hose until they can be separated.



8. Washer sandwiched between shower hose and faucet will be reused on replacement.







SHOWER FAUCET

(B&B PN 105-003-00009 white)

9. With washer in place, locate shower hose coupler onto threads of new faucet and hand tighten.



*Do not over tighten as it may result in stress cracking.

11. On back side of panel, thread plastic nut onto **"HOT"** side of of new faucet and hand tighten.



*Do not over tighten as it may result in stress cracking.

10. Insert new faucet into vacated slot.



12. On back side of panel, thread plastic nut onto "COLD" side of of new faucet and hand tighten.



*Do not over tighten as it may result in stress cracking.





SHOWER FAUCET

(B&B PN 105-003-00009 white)

 Screw (Cold Water Supply) plumbing line onto faucet valve end labeled "COLD." Hand tighten + ¼ turn.



*Do not over tighten as it may result in stress cracking.

 Screw (Hot Water Supply) plumbing line onto faucet valve end labeled "HOT." Hand tighten + ¼ turn.



*Do not over tighten as it may result in stress cracking.

- 15. Run water through shower to make sure it operates properly.
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- Reinstall Nautilus panel in convenience center and secure with (10) screws.





QUICK CONNECT SHOWER FAUCET

B&B PN 105-005-00002 (black) & 105-005-00005 (white)

 Remove (10) perimeter screws on flange of Nautilus panel to gain access to back side.



2. On back side of panel, unscrew plumbing line connected to faucet end labeled "COLD."



3. On back side of panel, unscrew plumbing line connected to faucet end labeled **"HOT."**



4. On back side of panel, loosen and remove plastic nut holding "COLD" side of faucet in place.







QUICK CONNECT SHOWER FAUCET

B&B PN 105-005-00002 (black) & 105-005-00005 (white)

5. On back side of panel, loosen and remove plastic nut holding **"HOT"** side of faucet in place.



7. Insert new faucet into vacated slot.



6. Faucet can now be removed from front side of panel.



8. On back side of panel, thread plastic nut onto **"HOT"** side of of new faucet and hand tighten.



*Do not over tighten as it may result in stress cracking.





QUICK CONNECT SHOWER FAUCET

B&B PN 105-005-00002 (black) & 105-005-00005 (white)

9. On back side of panel, thread plastic nut onto "COLD" side of of new faucet and hand tighten.



*Do not over tighten as it may result in stress cracking.

 Screw (Hot Water Supply) plumbing line onto faucet valve end labeled "HOT." Hand tighten + ¼ turn.



*Do not over tighten as it may result in stress cracking.

 Screw (Cold Water Supply) plumbing line onto faucet valve end labeled "COLD." Hand tighten + ¼ turn.



*Do not over tighten as it may result in stress cracking.

12. Run water through shower to make sure it operates properly.



13. Reinstall Nautilus panel in convenience center and secure with (10) screws.





HANDLE ROTATION VERIFICATION



