



# **cDX FIRST STAGE**

## **SERVICE PROCEDURE**

This cDX Service Procedure conveys a list of components and service procedures that reflect the cDX as it was configured at the time of this writing.

Doc. OC.01.02.0008

Last Revised 02/19/20

## SPECIFICATIONS

### TORQUES

P/N 9842.4 Receiver	80 – 100 in-lbs (9 – 11.3 N-m)
P/N 8373 End Cap	23 – 25 ft-lbs (31.2 – 33.9 N-m) or metal to metal contact, whichever comes first.
P/N 9859 Yoke Retainer	23 – 25 ft-lbs (31.2 – 33.9 N-m)
P/N 6740 DIN Filter Housing	23 – 25 ft-lbs (31.2 – 33.9 N-m)
P/N 4544.200 DIN Filter Retainer	120 – 140 in-lbs (13.6 – 15.8 N-m)
P/N 3462 HP Port Plugs	35 – 40 in-lbs (4 – 4.5 N-m)
P/N 3463 LP Port Plugs	35 – 40 in-lbs (4 – 4.5 N-m)
LP Hose	35 – 40 in-lbs (4 – 4.5 N-m)

### INTERMEDIATE PRESSURE

Preferred	138 psi (9.5 bar)
Acceptable	134 – 142 psi (9.2 – 9.8 bar)

## TOOLS REQUIRED

### STANDARD TOOLS

Inch Pound Torque Wrench  
(Adjustable up to 150 in-lbs, 1/4" to 3/8" adapter)  
Foot Pound Torque Wrench  
(Adjustable up to 25 ft-lbs, 1/4" drive extension)  
5/32" Hex Key  
1/4" Hex Drive Socket  
3/8" Drive Socket Wrench  
9/16" Open End Wrench  
5/8" Open End Wrench  
5/16" Hex Key  
Soft Jawed Vise  
Magnifier  
1" Thin Wall Socket  
13/16" Deep Socket  
Ultrasonic Cleaner with Blue Gold

### SPECIALTY TOOLS

P/N 40.6536.2 HP Seat Tool  
P/N 40.8538 End Cap Tool  
P/N 40.9311 Filter Circlip Pliers  
P/N 40.9520 O-ring Tool Kit

## SERVICE BULLETINS AND QUALITY ALERTS

OC.01.03.0001 Service Bulletin – First Stage Seat and HP Poppet Performance Upgrade  
OC.01.06.0006 Quality Alert – First Stage Airflow Restriction at Low Supply Pressures

This cDX Service Procedure conveys a list of components and service procedures that reflect the cDX as it was configured at the time of this writing.

Doc. OC.01.02.0008

## TROUBLESHOOTING

SYMPTOMS	POSSIBLE CAUSE	TREATMENT
Restricted airflow and inhalation resistance through complete system.	<ol style="list-style-type: none"> <li>1. Cylinder valve not completely opened.</li> <li>2. Cylinder valve requires service.</li> <li>3. Filter 3545 or 4546 is contaminated.</li> </ol>	<ol style="list-style-type: none"> <li>1. Open valve completely.</li> <li>2. Connect regulator to a different cylinder.</li> <li>3. Replace with new and perform a complete service.</li> </ol>
Air leakage detected from beneath the adjustment cup 6518, inside the end cap 8373.	<ol style="list-style-type: none"> <li>1. End cap 8373 is loose.</li> <li>2. Diaphragm 01.000031 is worn or damaged.</li> <li>3. Seating surface inside body 9841.4 is damaged.</li> </ol>	<ol style="list-style-type: none"> <li>1. Tighten end cap onto body, using prescribed torque value in Reassembly Procedure.</li> <li>2. Replace with new.</li> <li>3. Replace body with new.</li> </ol>
Air leakage detected from receiver P/N 9842.4.	<ol style="list-style-type: none"> <li>1. Receiver O-ring 6510 is damaged or worn.</li> <li>2. Seating surface inside the body 9841.4 is damaged.</li> <li>3. Seating surface on the receiver 9842.4 is damaged.</li> </ol>	<ol style="list-style-type: none"> <li>1. Replace with new.</li> <li>2. Replace with new.</li> <li>3. Replace with new.</li> </ol>
Insufficient intermediate pressure.	<ol style="list-style-type: none"> <li>1. End cap 8373 is loose.</li> <li>2. First stage improperly adjusted.</li> <li>3. Diaphragm spring 6717 is weakened or damaged.</li> <li>4. Seating surface of body 9841.4 beneath diaphragm 01.000031 is damaged.</li> </ol>	<ol style="list-style-type: none"> <li>1. Tighten end cap onto body, using prescribed torque value in Reassembly Procedure.</li> <li>2. Readjust according to the procedure specified in Final Adjustment Procedure.</li> <li>3. Replace with new.</li> <li>4. Replace body with new.</li> </ol>
Excessive intermediate pressure / Intermediate pressure creeps.	<ol style="list-style-type: none"> <li>1. First stage improperly adjusted.</li> <li>2. Seat P/N 6494 is damaged or worn.</li> <li>3. HP seat O-ring P/N V2.010 or poppet O-ring V2.007.90 is damaged or worn.</li> <li>4. Seating surface of Seat 6494, receiver P/N 9842.4, HP poppet 6495, body 9841.4 is damaged.</li> <li>5. Spring 6512 is weakened or damaged.</li> </ol>	<ol style="list-style-type: none"> <li>1. Readjust according to Final Adjustment Procedure.</li> <li>2. Replace with new.</li> <li>3. Replace with new.</li> <li>4. Replace with new.</li> <li>5. Replace with new.</li> </ol>

This cDX Service Procedure conveys a list of components and service procedures that reflect the cDX as it was configured at the time of this writing.

Doc. OC.01.02.0008

## DISASSEMBLY PROCEDURE

NOTE: Be sure to check and record the Intermediate Pressure and perform a leak detection test prior to disassembling the Regulator. Review the Troubleshooting Section to gain a better idea of which internal parts may be worn, and to better advise your customer of the service that is needed.

1. Before disassembling the first stage, remove the low-pressure hoses and the high-pressure hose(s) with appropriate sized wrenches
2. Remove and replace the O-rings now on all these items.

Note: LP hoses supplied with your Oceanic regulator use a 3.903 o-ring found in your service kit.

3. Secure the body 9841.4 in a soft-jawed or well-padded vise

CAUTION: Tighten the vise only as needed to hold the First Stage secure, and DO NOT over-tighten. Doing so will result in permanent damage, rendering it inoperable.

4. Yoke Connector Disassembly
  - A. Remove the knob 9853 from the yoke 9851.3.
  - B. Apply a 1" thin wall socket, 1/4" extension, 1/4" to 3/8" adapter, and wrench to yoke retainer 9859, and turn counterclockwise to remove (Fig. 1). DO NOT use impact to loosen.
  - C. Remove yoke retainer 9859, yoke 9851.3 and dust cap 9852.
  - D. Using a circlip pliers, remove and discard the retaining ring 3530 (Fig. 2). DO NOT attempt to reuse.
  - E. Remove filter 3545 from yoke retainer 9859 and discard the filter (Fig. 2). DO NOT attempt to reuse.
  - F. Using an O-ring pick, remove O-rings V2.013 and V2.011 from yoke retainer 9859 and discard the O-ring (Fig 2). DO NOT attempt to reuse.
  - G. Remove dust cap 9852 from body 9841.4.



Fig. 1



Fig. 2

This cDX Service Procedure conveys a list of components and service procedures that reflect the cDX as it was configured at the time of this writing.

Doc. OC.01.02.0008

5. DIN Connector Disassembly

- A. Using a 1/4" hex driver, turn DIN retainer 4544.200 in a counterclockwise direction and loosen it to remove (Fig. 3).
- B. Remove and discard the retainer O-ring 3.904 and DIN face O-ring 6374 and discard (Fig. 4). DO NOT attempt to reuse.



Fig. 3



Fig. 4

- C. Remove the filter 4546 and filter O-ring V2.011 from the DIN filter housing 6740 and discard the filter and O-ring (Fig. 5). DO NOT attempt to reuse.
- D. Lift the DIN wheel 8584.07.300 straight off the DIN filter housing 6740 (Fig. 6).



Fig. 5



Fig. 6

- E. Using a 13/16" deep socket, turn the DIN filter housing 6740 in a counterclockwise direction to remove it from the body 9841.4 (Fig. 7). Remove O-ring V2.011 from DIN filter housing 6740 and discard O-ring (Fig. 8). DO NOT attempt to reuse O-ring.



Fig. 7



Fig. 8

F. Remove 9854 dust cap from body 9841.4.

6. Using a 1/4" hex driver, turn receiver 9842.4 in a counterclockwise direction and loosen it to remove (Fig. 9).
7. Remove the label frame 9850 from the body 9841.4.



Fig. 9

8. Remove the HP poppet 6495 from receiver 9842.4 (Fig. 10)

Note: Old configurations will have the seat 6490 in place of the new HP Poppet. If this is the case with your regulator, discard seat 6490 and replace with the new HP poppet 6495 found in your service kit during reassembly.

9. Remove the spring 6512 (Fig. 11). Using a magnifier, closely examine the spring for any signs of corrosion. Discard if found and DO NOT attempt to reuse.

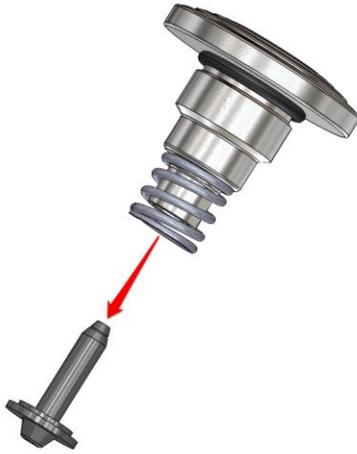


Fig. 10



Fig. 11

10. Using care not to scratch or damage the receiver 9842.4, remove and discard the HP poppet O-ring V2.007.90 from inside the receiver 9842.4 (Fig. 12).

11. Remove and discard the receiver O-ring 6510 (Fig. 13)



Fig. 12



Fig. 13

12. Turn the environmental cap 9858 counterclockwise by hand to loosen and remove it (Fig. 14).

13. Remove the environmental diaphragm 8374.07 from the environmental cap 9858 (Fig. 15). Avoid damage by not prying it out. Instead, use compressed air or tap the environmental cap 9858 on the work counter lightly to free the environmental diaphragm 8374.07 and discard.



Fig. 14

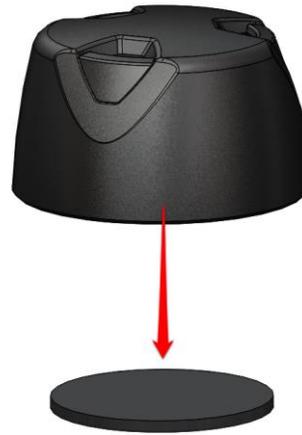


Fig. 15

14. Lift the environmental ring 8371 and transfer piston 8372 off the end cap 8373. Remove and discard the environmental O-ring 3302 (Fig. 16). DO NOT attempt to reuse O-ring 3302. Inspect the transfer piston 8372 for any signs of wear or deterioration. Discard if found.
15. Apply a 5/16" Hex Key to the adjustment cup 6518 and turn counterclockwise to remove it (Fig. 17).
16. Remove the washer 6524 and diaphragm spring 6717. Inspect the washer 6524 for any signs of wear or distortion (Fig. 18). Discard if found.



Fig. 16



Fig. 17



Fig. 18

17. Using a magnifier, inspect the diaphragm spring 6717 for any signs of corrosion. Discard if found, and DO NOT attempt to reuse.
18. Secure the body 9841.4 in a soft-jawed or well-padded vise

**CAUTION:** Tighten the vise only as needed to hold the First Stage secure, and DO NOT over-tighten. Doing so will result in permanent damage, rendering it inoperable.

19. Apply a 3/8" socket drive wrench with Oceanic End Cap Tool 40.8538 to the end cap 8373 (Fig. 19). Turn the end cap 8373 counterclockwise to remove it from the body 9841.4 (Fig. 20).

This cDX Service Procedure conveys a list of components and service procedures that reflect the cDX as it was configured at the time of this writing.

Doc. OC.01.02.0008

20. Remove environmental seal O-ring 3302 and discard (Fig. 21).



Fig. 19



Fig. 20

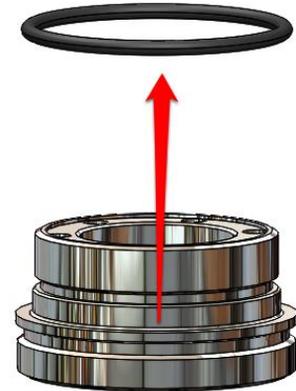


Fig. 21

21. Lift out the diaphragm plate 7007 and inspect it for signs of wear or distortion (Fig. 22). Discard if found.

22. Remove the diaphragm 01.000031 from the body 9841.4 by covering the Receiver opening in the body 9841.4 with the palm of your hand and directing short blasts of low pressure air through an open LP Port. Lift the diaphragm 01.000031 out carefully and discard, regardless of its condition, and DO NOT attempt to reuse it (Fig. 23).

**CAUTION:** DO NOT attempt to remove the DIAPHRAGM 01.000031 with the use of a metallic instrument. Doing so will seriously damage the brass seating surface of the BODY 9841.4.

23. Using a 5/32" hex key, remove the HP plugs 3462 and LP plugs 3463. Remove all O-rings and discard (Fig. 24)



Fig. 22



Fig. 23



Fig. 24

24. Remove the body 9841.4 from the vise and remove the button pin 8168 by pressing in on the shaft with your finger (Fig. 25.1). Check for any signs of wear, distortion, or corrosion. Discard if found.

**WARNING:** The button pin 8168 has been modified to include flow slots on the bottom there is also an "S" on the head of the pin for identification purposes (Fig. 25.2). If you find an old black

oxide pin in the regulator you must discard immediately and replace with the new pin. Failing to do so can result in a regulator that does not function properly and can lead to injury or death.



Fig. 25.1

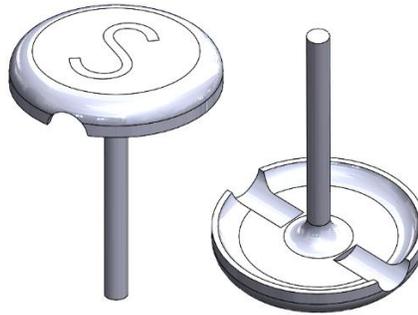


Fig. 25.2

25. From the LP side of the body 9841.4, gently push the seat 6494 with the larger post of the seat tool 40.6536.2 (Fig. 26). The seat 6494 should fall out of the HP side of the body. Discard the seat 6494 and the installed O-ring V2.010.

Note: Old configurations will have the cone seat 8170 in place of the new seat 6494. If this is the case with your regulator, discard cone seat 8170 and replace with the new seat 6494 found in your service kit during reassembly.

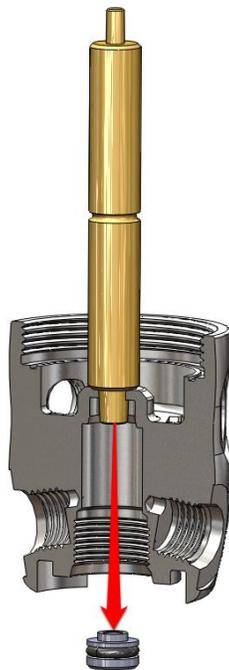


Fig. 26

## REASSEMBLY PROCEDURE

NOTE: Prior to reassembly, it is necessary to inspect all parts, both new and those that are being reused. Check to ensure that O-RINGS are clean and supple, and that every part and component has been thoroughly cleaned.

NOTE: In previous service procedures the LP diaphragm side of the regulator was assembled prior to the HP valve side. With the advent of the new seat 6494 and HP poppet 6495, the HP valve side shall now be assembled prior to the LP diaphragm side of the regulator.

WARNING: Use only genuine Oceanic parts, subassemblies, and components whenever assembling Oceanic products. DO NOT attempt to substitute any Oceanic part with another manufacturer's, regardless of any similarity in shape, size, or appearance. Doing so may render the product unsafe and could result in serious injury or death of the user.

NOTE: For units serviced with YOKE connectors perform step 16, for units serviced with DIN connectors perform step 17.

1. Lubricate and install the HP seat O-ring V2.010 onto the seat 6494 (Fig. 27) and place the sealing edge of the seat 6494 down onto the smaller end of a clean HP Seat Tool 40.6536.2. Use care not to damage the seating surface of the seat 6494 (Fig. 28)
2. Guide the HP cone/tool assembly into the HP chamber of the body 9841.4, taking care to properly align the seat 6494 with the recess in the HP chamber. Carefully press the seat 6494 completely into place and withdraw the tool, pulling it straight out (Fig. 29).

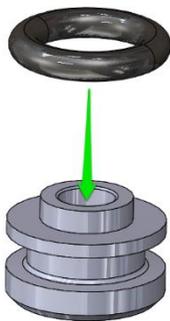


Fig. 27

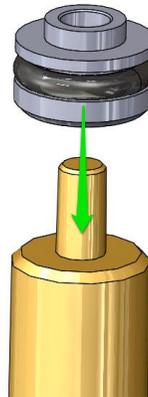


Fig. 28



Fig. 29

3. Lightly lubricate and install the receiver O-ring 6510 onto the receiver 9842.4 and the HP poppet O-ring V2.007.90 into the inner bore of the receiver 9842.4 (Fig. 30). Lightly lubricate the threads of the receiver 9842.4.
4. Apply a very light film of lubricant to both ends of the spring 6512 and the lower 1/4" of the shaft of the HP poppet 6495. Install the spring 6512 onto the end of the receiver 9842.4 (Fig. 31).
5. Carefully guide the shaft of the HP poppet 6495 so that it passes through the spring 6512 and into the HP poppet O-ring V2.007.90 in the inner bore of the receiver 9842.4 (Fig. 32).

This cDX Service Procedure conveys a list of components and service procedures that reflect the cDX as it was configured at the time of this writing.

Doc. OC.01.02.0008



Fig. 30



Fig. 31



Fig. 32

6. Secure the first stage body 9841.4 in a soft jawed or well-padded vise, with the threaded HP inlet bore facing straight up.

**CAUTION:** Tighten the vise only as needed to hold the First Stage secure, and **DO NOT** overtighten. Doing so will result in permanent damage, rendering it inoperable.

7. Install the label frame 9850 on body 9841.4.
8. Turn the receiver 9842.4 clockwise in the HP inlet bore of body 9841.4 to engage the threads. Then, using a 1/4" hex driver, torque the receiver 9842.4 to 80 – 100 in-lbs ((9 – 11.3 N-m) (Fig. 33).

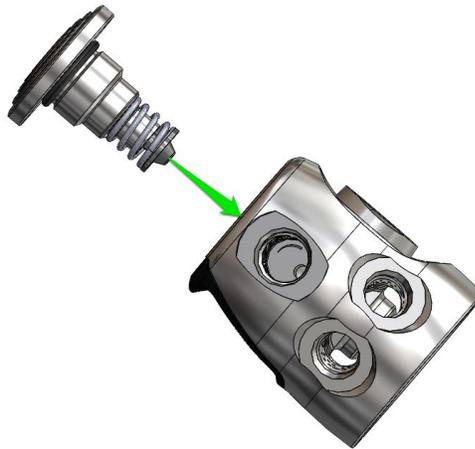


Fig. 33

9. Place the stem of the button pin 8168 directly into the center hole in the body 9841.4, ensuring that it enters without any restriction (Fig. 34.1).

**WARNING:** The button pin 8168 has been modified to include flow slots on the bottom (there is also an “S” on the head of the pin for identification purposes (Fig. 34.2). If you find an old black oxide pin in the regulator you must discard immediately and replace with the new pin. Failing to do so can result in a regulator that does not function properly and can lead to injury or death.



Fig. 34.1

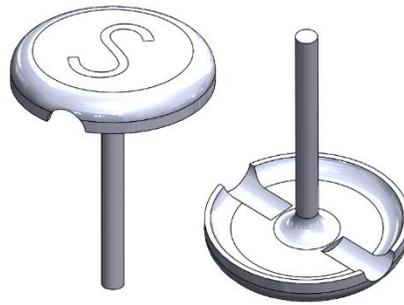


Fig. 34.2

10. Position the diaphragm 01.000031 flat, directly over the opening of the body 9841.4. Gently push the edges of the diaphragm 01.000031 down inside the internal threads of the body 9841.4, one thread at a time. rotate the body 9841.4 while doing this, to facilitate an even seating of the diaphragm 01.000031, and closely inspect it to ensure it is well seated at the base of the threads (Fig. 35).

**CAUTION:** DO NOT force the DIAPHRAGM 01.000031 into the BODY 9841.4 in a manner that will damage either the Lip or Surface of the DIAPHRAGM 01.000031, or the Threads of the BODY 9841.4. The use of a sharp instrument, such as a screwdriver, is to be strictly avoided.

11. Place the diaphragm plate 7007 into the body 9841.4 on top of the diaphragm 01.000031 with the collar facing up (Fig. 36).
12. Thread the end cap 8373 into the body 9841.4 turning it clockwise by hand until secure.
13. While holding the body 9841.4 secure in a soft jawed or well-padded vise, use a torque wrench with Oceanic End Cap Tool 40.8538 to tighten the end cap 8373 into the body 9841.4 to a torque of 23 - 25 ft-lbs (31.2 - 33.9 N-m) (Fig. 37).

**CAUTION:** Tighten the vise only as needed to hold the First Stage secure, and DO NOT overtighten. Doing so will result in permanent damage, rendering it inoperable.



Fig. 35



Fig. 36



Fig. 37

This cDX Service Procedure conveys a list of components and service procedures that reflect the cDX as it was configured at the time of this writing.

Doc. OC.01.02.0008

14. Apply a very light film of lubricant to both ends of the diaphragm spring 6717 and insert it down through the end cap 8587 on to the diaphragm plate 7007 (Fig. 38).
15. Place the spring washer 6524 directly onto the upper end of the diaphragm spring 6717 and install the adjustment cup 6518 into the end cap 8587. Using a 5/16" hex key, turn the adjustment cup 6518 clockwise until only 2 threads are showing (Fig. 39).



Fig. 38



Fig. 39

#### 16. Yoke Connector Reassembly

- A. Lightly lubricate and install filter O-ring V2.013 and O-ring V2.011 in yoke retainer 9859. Install filter 3545 in yoke retainer 9859. Using circlip pliers, install retaining ring 3530 in yoke retainer 9859 (Fig. 40).
- B. Install dust cap 9852 on body 9841.4.
- C. Lightly lubricate the threads of yoke retainer 9859 and insert the threaded end of the retainer through yoke 9851.3 (Fig. 41).
- D. Insert the threaded end of yoke retainer 9859 into body 9841.4. Ensure the threads of retainer 9859 seat properly in body 9841.4 and turn the retainer clockwise until hand tight (Fig. 42).



Fig. 40



Fig. 41



Fig. 42

- E. Secure body 9841.4 in a soft jawed or well-padded vise. Apply a 1" thin wall socket, 1/4" extension, 1/4" to 3/8" adapter, and wrench to the yoke retainer and turn clockwise to a torque of 23 - 25 ft-lbs. (31.2 - 33.9 N-m) (Fig. 43).

**CAUTION:** Tighten the vise only as needed to hold the First Stage secure, and **DO NOT** overtighten. Doing so will result in permanent damage, rendering it inoperable.

F. Thread yoke knob 9853 into yoke 9851.3 by hand (Fig. 44).



Fig. 43



Fig. 44

### 17. DIN Connector Reassembly

G. Lightly lubricate and install O-ring V2.011 in DIN filter housing 6740 (Fig. 45).

H. Install dust cap 9854 on body 9841.4.

I. Lightly lubricate the threads of DIN filter housing 6740. Insert the threaded end of DIN filter housing 6740 into body 9841.4 and turn the DIN filter housing clockwise until hand tight (Fig. 46).

J. While holding the body 9841.4 secure in a soft jawed or well-padded vise, use a 13/16" deep socket to turn the DIN filter housing 6740 in a clockwise direction and torque to 23 – 25 ft-lbs (31.2 – 33.9 N-m).

**CAUTION:** Tighten the vise only as needed to hold the First Stage secure, and **DO NOT** overtighten. Doing so will result in permanent damage, rendering it inoperable.



Fig. 45

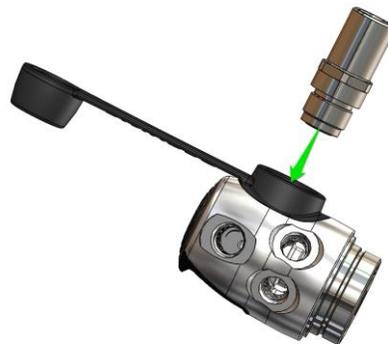


Fig. 46

K. Install the DIN wheel 8584.07.300 onto DIN filter housing 6740 (Fig. 47).

L. Install DIN filter 4546 in DIN filter housing 6740. Lightly lubricate filter O-ring V2.011 and install in DIN filter housing 6740 (Fig. 48)

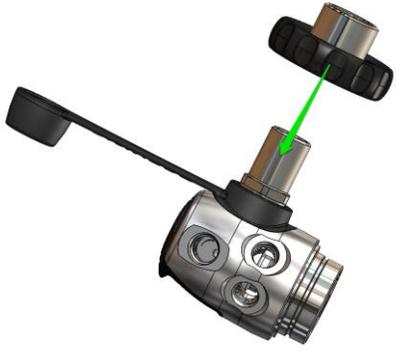


Fig. 47

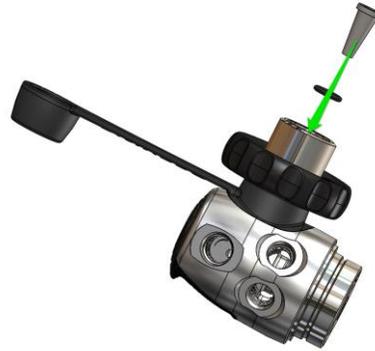


Fig. 48

- A. Lightly lubricate and install DIN retainer O-ring 3.904 on DIN retainer 4544.200. Install the DIN face O-ring 6374 on DIN retainer 4544.200 (Fig. 49).
- B. Threading clockwise, install the DIN retainer 4544.200 in DIN filter housing 6740. Tighten with a 1/4" hex driver to a torque of 120 to 140 in-lbs. (13.6 - 15.8 N-m) (Fig. 50).

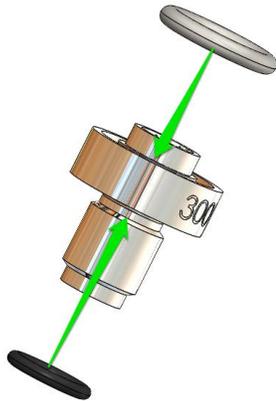


Fig. 49

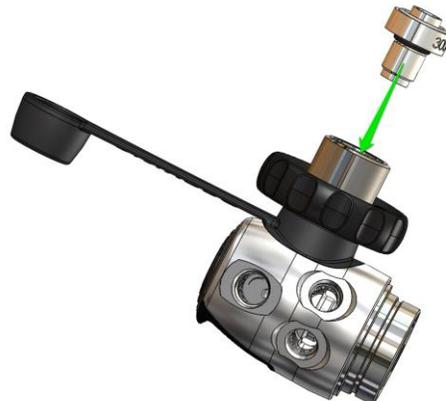


Fig. 50

18. Lubricate and install port plug O-rings 3.903/3.904 onto the plugs 3462/3463. While holding the body 9841.4 secure, install the plugs 3462/3463 into the body 9841.4 and tightening clockwise with a 5/32" hex key driver to a torque of 35 - 40 in-lbs. (4 - 4.5 N-m).
19. Lubricate and install all hose O-rings onto hoses and install the hoses into the body 9841.4. While holding the body 9841.4 secure, tighten the low pressure second stage hose(s) clockwise with a 9/16" open end wrench, the high-pressure hose(s) with a 5/8" open end wrench, and the low-pressure Inflator Hose(s) with a 9/16" open end wrench to a torque of 35-40 in-lbs. (4-4.5 N-m).

**CAUTION:** Be certain not to install any low-pressure Hose into a high-pressure PORT via an adaptor.

**NOTE:** Proceed to the Final Adjustment Section before installing the ENVIRONMENTAL END CAP 9858.

## FINAL ADJUSTMENT

1. Prior to connecting a hose to the first stage LP port, turn on the air and allow for air to pass straight through the open port plug to remove any debris that may have found its way into the regulator.
2. Connect a recently calibrated low-pressure test gauge to a low-pressure hose. Then connect the first stage with second stage and low-pressure test gauge to a pure breathing gas source of 3000 psi (206.8 bar). Slowly open the supply valve to pressurize the regulator and purge the second stage several times.
3. Adjust the intermediate pressure, if necessary, to read 137 to 139 PSI (9.4-9.6 bar) by turning the adjustment cup 6518 clock-wise to increase the pressure or counterclockwise to decrease it.
4. Submerge pressurized regulator in water and check for leaks. This must be done prior to the reassembly of the environmental cap.

NOTE: Turn the ADJUSTMENT CUP 6518 no more than 1/8 of a turn at a time, pausing to purge the second stage several times to gain an accurate reading of the intermediate pressure before adjusting further.

NOTE: Ensure that the intermediate pressure holds stable at 137 TO 139 PSI (9.4-9.6 bar) and does not creep or fluctuate more than 5 psi after the second stage has been purged several times. If creeping over 5 psi is detected, refer to the Troubleshooting Section to determine possible cause and treatment.

## ENVIRONMENTAL CAP COMPONENT REASSEMBLY

1. After adjusting the first stage as outlined in the Final Adjustment section, Install the environmental seal components while regulator is still pressurized.
2. Lightly lubricate and install the environmental O-ring 3302 onto the base of the end cap 8587
3. Place the environmental ring 8371 into the groove on the top of the end cap 8587 (Fig. 51).
4. Place the stem of the transfer piston 8372 into the opening of the adjustment cup 6518. Then drop the transfer piston 8372 into the environmental ring 8371 (Fig. 51).
5. Place the environmental diaphragm 8374.07 flat inside the Environmental end cap 8587 (Fig. 52). Install the Environmental end cap 8587, threading it clockwise by hand until fully seated, onto the end cap 8587 (Fig. 53). DO NOT use any tools to tighten.



Fig. 51



Fig. 52

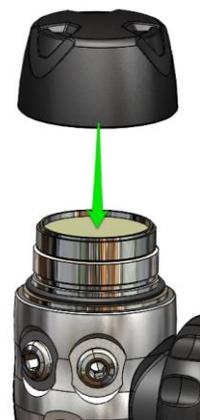


Fig. 53

This cDX Service Procedure conveys a list of components and service procedures that reflect the cDX as it was configured at the time of this writing.

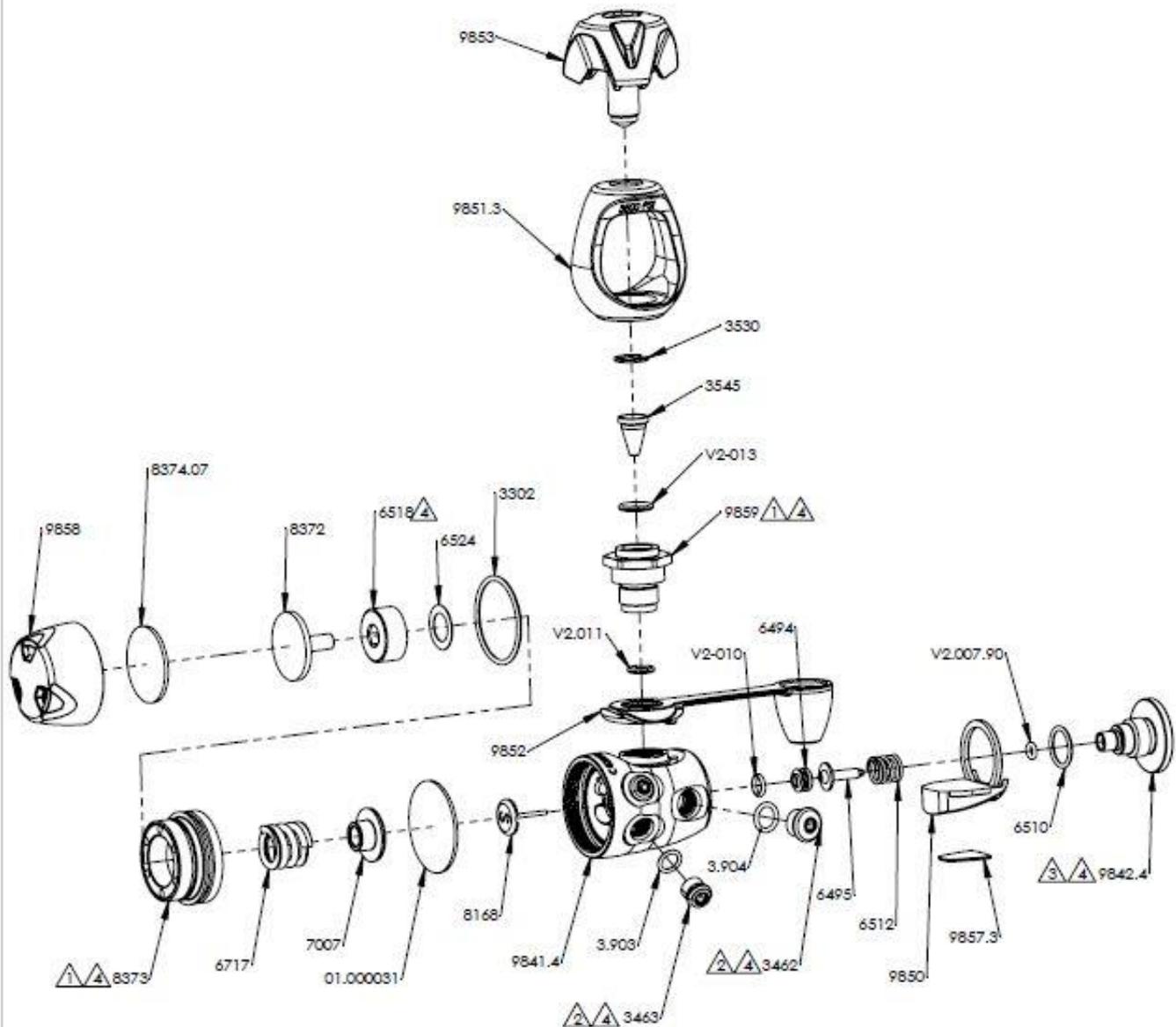
Doc. OC.01.02.0008

# SERVICE SCHEMATIC

LAST REVISED 02/19/20

# OCEANIC

PART NUMBER 9840.3 CDX YOKE



## NOTES:

- ① TORQUE TO 23 - 25 ft-lbs
- ② TORQUE TO 35 - 40 in-lbs
- ③ TORQUE TO 80 - 100 in-lbs
- ④ LUBRICATE THREADS USING CHRISTO-LUBE MCG#129N
- 5. LUBRICATE ALL O-RINGS USING CHRISTO-LUBE MCG#129N
- 6. IP TO BE SET TO 134-142 PSI WHEN SUPPLY PRESSURE IS 500-3000 PSI

FOR THE MOST UP TO DATE SERVICE SCHEMATIC, PLEASE VISIT [HUISHOUTDOORS.COM/DATABANK](http://HUISHOUTDOORS.COM/DATABANK)

HUISH OUTDOORS, 3585 Cadillac Ave. Costa Mesa, CA 92626 p.714.375.1433

CONFIDENTIAL PROPERTY OF HUISH OUTDOORS.

This cDX Service Procedure conveys a list of components and service procedures that reflect the cDX as it was configured at the time of this writing.

Doc. OC.01.02.0008

Last Revised 02/19/20

9840.3 CDX YOKE BOM		
PART NUMBER	DESCRIPTION	QTY
9841.4	Body CDX (Satin)	1
9858	END CAP ENVIRONMENTAL	1
8374.07	DIAPHRAGM ENVIRONMENTAL (BLACK)	1
8372	TRANSFER PISTON ENVIRONMENTAL	1
6518	ADJUSTMENT CUP	1
6524	WASHER	1
3302	O-ring 33mm X 2mm	1
8373	END CAP DIAPHRAGM	1
6717	SPRING DIAPHRAGM	1
7007	PLATE DIAPHRAGM	1
1.000031	MAIN DIAPHRAGM	1
8168	BUTTON PIN	1
3463	PLUG LP	3
3.903	O-RING	3
3462	PLUG HP	2
3.904	O-RING	2
V2-010	ORING VITON	1
6494	HP Seat (Short)	1
6495	HP POPPET	1
6512	SPRING	1
9850	Label Frame	1
9857.3	CDX Label	1
V2.007.90	O-RING	1
6510	O-RING EPDM	1
9842.4	RECEIVER (SATIN)	1
9852	DUST CAP YOKE	1
V2.011	ORING VITON	1
9859	YOKE RETAINER SHORT	1
V2-013	ORING VITON	1
3545	FILTER	1
3530	Retaining Clip	1
9851.3	YOKE MACHINED 2016 (BEAD BLAST)	1
9853	Yoke Knob	1

This cDX Service Procedure conveys a list of components and service procedures that reflect the cDX as it was configured at the time of this writing.

Doc. OC.01.02.0008

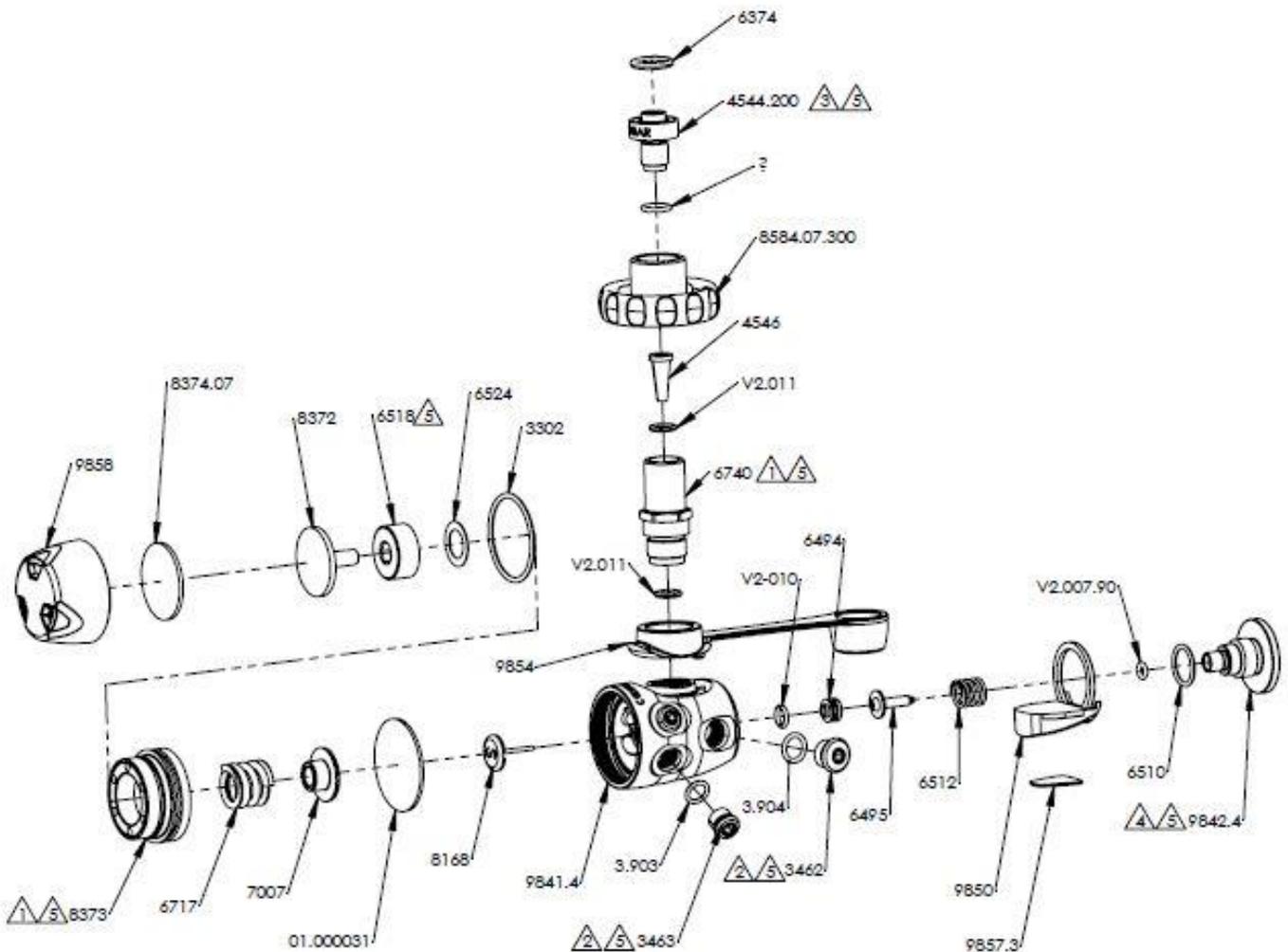
Last Revised 02/19/20

# SERVICE SCHEMATIC

LAST REVISED 02/19/20

# OCEANIC

PART NUMBER 9840.4 CDX DIN



## NOTES:

- 1 TORQUE TO 23 - 25 ft-lbs
- 2 TORQUE TO 35 - 40 in-lbs
- 3 TORQUE TO 140 in-lbs
- 4 TORQUE TO 80 - 100 in-lbs
- 5 LUBRICATE THREADS USING CHRISTO-LUBE MCG#129N
6. LUBRICATE ALL O-RINGS USING CHRISTO-LUBE MCG#129N
7. IP TO BE SET TO 134-142 PSI WHEN SUPPLY PRESSURE IS 500-3000 PSI

**FOR THE MOST UP TO DATE SERVICE SCHEMATIC, PLEASE VISIT [HUISHOUTDOORS.COM/DATABANK](http://HUISHOUTDOORS.COM/DATABANK)**

**HUISH OUTDOORS, 3585 Cadillac Ave. Costa Mesa, CA 92626 p.714.375.1433**

**CONFIDENTIAL PROPERTY OF HUISH OUTDOORS.**

This cDX Service Procedure conveys a list of components and service procedures that reflect the cDX as it was configured at the time of this writing.

Doc. OC.01.02.0008

Last Revised 02/19/20

9840.4 CDX DIN BOM		
PART NUMBER	DESCRIPTION	QTY
9841.4	Body CDX (Satin)	1
9858	END CAP ENVIRONMENTAL	1
8374.07	DIAPHRAGM ENVIRONMENTAL (BLACK)	1
8372	TRANSFER PISTON ENVIRONMENTAL	1
6518	ADJUSTMENT CUP	1
6524	WASHER	1
3302	O-ring 33mm X 2mm	1
8373	END CAP DIAPHRAGM	1
6717	SPRING DIAPHRAGM	1
7007	PLATE DIAPHRAGM	1
1.000031	MAIN DIAPHRAGM	1
8168	BUTTON PIN	1
3463	PLUG LP	3
3.903	O-RING	3
3462	PLUG HP	2
3.904	O-RING	3
V2-010	ORING VITON	1
6494	HP Seat (Short)	1
6495	HP POPPET	1
6512	SPRING	1
9850	Label Frame	1
9857.3	CDX Label	1
V2.007.90	O-RING	1
6510	O-RING EPDM	1
9842.4	RECEIVER (SATIN)	1
9854	DUST CAP DIN	1
V2.011	O-RING VITON	2
6740	HOUSING DIN FILTER	1
4546	DIN FILTER	1
8584.07.300	DIN WHEEL ASSY (BLACK)	1
4544.2	DIN FILTER RETAINER	1
6374	O-RING, 2-112	1

This cDX Service Procedure conveys a list of components and service procedures that reflect the cDX as it was configured at the time of this writing.

Doc. OC.01.02.0008

Last Revised 02/19/20