MEGALODON PRE DIVE CHECK LIST (APECS 2.5A CE)

				_ Date of p	re-dive:/	/		
ID: _		Se	ensor S/N: (1)		(2)	(3)		
Ī	BATTE	RY DATE	S INSTALLED	PRIMAR	Y	SECO	NDARY	
ials	Note:	Initial onl	y when task has be	Table 1 en performe	1.			
1	During a	ssembly in	spect all parts for d	irt deteriora	tion damage an	1 lubrication	1	
_ 2.	Charge C	D_2 and dilue	ent cylinders if nece	essary.	,			
_ 3.	Mount cy	linders and	d install O_2 and dilu	ent 1st stage	e assemblies if ne	cessary. An	alyze O ₂	<u>%</u> .
_ 4.	Analyze	e diluent a	and bailout/deco	cylinders.	Dil			
	(O_2/H)	IE) Bailo	out/deco 1	2	3			
_ 5.	Install B	C bladder	and install back pla	te assembly.				
_ 6.	Mount c	ounterlung	s to back plate asse	mbly. Inhale	e on right and exi	ale on left.	1	
_ /.	Install A	DV, low p	ressure supply hose	es to counter	lungs and secure	all hoses to	narness assy	Twith no oil
_ 0. 9	Install D	SV asseml	bly to counterlungs	icck varves a	na moumpiece.		v, fight to lef	i, with no an
10.	Record a	accumulate	d service time on C	O ₂ absorber	t: min. Ex	piration date	:	
11.	Fill scru	bber canist	er, if fresh scrubber	needed. (So	ofnolime 8-12 me	sh / 797)		
_ 12.	Install ga	as plenum	canister moisture p	ads and supp	ort stand. Circle:	STAND	ARD CAV	E MINI
_ 13.	Install C	O ₂ canister	r. Circle type: 5.5 R	adial / Axia	l, 4.0 MINI Radi	al / Axial, 8.	0 Radial.	
_ 14.	Inspect (CO_2 caniste	er mating O-rings o	n sensor car	nage lid.	domaco nom	lashina of V	011
_ 13. 16	Inspect s	ensor moist	ure pad and inspec	t sensor carr	iage orange o-rin	nor anage, nor	leaking of K	.0п.
- 10.	Install se	ensor carria	are pad and inspect	ck down wi	th carriage lid.	gs.		
18.	Positive	pressure te	st sensor carriage a	ssembly.				
_ 19.	Negative	e pressure t	est sensor carriage	assembly.				
_ 20.	Inspect 1	id assembl	y for waterproof in	tegrity (O-ri	ngs, and all fixed	component	s).	
_ 21.	Inspect b	oattery con	nectors and battery	housings.				
- 22. 22	Power of	n primary a	and secondary powers	er supplies.	Altitudo n	~/ft		
- 23. 24.	Conduct	air point c	alibration at ambie	nt air pressu	re. Note mv valu	es:		
F	rimary	S1:	S2:	S3:	Secondary	S1:	S2:	S3:
	Complete	e calibratio	n at maximum O ₂ i	n cylinder. N	Jote highest my	for O ₂ flush	•	
25	rimary	S1:	S2:	S3:	Secondary	S1:	S2:	S3:
-25. F								
25. F	Install lid	lassembly	to gas plenum cani	ster and late	h down			
- 25. F 26. 27.	Install lid	l assembly supply hos	to gas plenum cani se to O ₂ supply inta	ster and late ke.	h down.			
_ 25. _ F _ 26. _ 27. _ 28.	Install lid Install O ₂ Secure re	l assembly supply hos maining b	to gas plenum cani se to O ₂ supply inta reathing hoses to be	ster and late ke. ad assembly	h down. 7.			
25. F 26. 27. 27. 28. 29.	Install lid Install O ₂ Secure re Install H	l assembly supply hos maining b UD.	to gas plenum cani se to O_2 supply inta reathing hoses to be	ster and late ke. ad assembly	h down. 7.			
25. F 26. 27. 28. 29. 30.	Install lid Install O ₂ Secure re Install HI Inspect a	l assembly supply hos maining b UD. ll hand tigh	to gas plenum cani se to O_2 supply inta reathing hoses to he at fittings.	ster and late ke. ead assembly	h down. 7.			
25. F 26. 27. 28. 29. 30. 31.	Install lid Install O ₂ Secure re Install H Inspect a Close ver	l assembly supply hos maining b UD. Il hand tigh nt valve, pe	to gas plenum cani se to O_2 supply inta reathing hoses to he at fittings.	ster and late ke. ead assembly	h down. 7.			
25. 26. 27. 28. 29. 30. 31. 32.	Install lid Install O ₂ Secure re Install HI Inspect a Close ver Perform	l assembly supply hos emaining be UD. Il hand tigh nt valve, pe negative pi	to gas plenum cani se to O ₂ supply inta reathing hoses to he at fittings. erform positive pres- ressure test (30 secc	ster and late ke. cad assembly ssure test. ond test).	h down. 7.			
25. F 26. 27. 28. 29. 30. 31. 32. 33. 34	Install lid Install O ₂ Secure re Install HI Inspect a Close ver Perform Slowly o	l assembly supply hos maining by UD. Il hand tigh nt valve, pe negative pr pen both o	to gas plenum cani se to O ₂ supply inta reathing hoses to he at fittings. erform positive pres essure test (30 seco xygen and diluent g motio diluent burnous	ster and latc ke. cad assembly ssure test. ond test). gas supplies.	h down. 7.	-IP gauge fl	uctuation	
25. F 26. 27. 28. 29. 30. 31. 32. 33. 34. 35	Install lid Install O ₂ Secure re Install H Inspect a Close ver Perform Slowly o Verify O	I assembly supply hose emaining by UD. Il hand tight nt valve, per negative pr pen both or $_2$ and autor int to 0.5 a	to gas plenum cani se to O ₂ supply inta reathing hoses to he at fittings. erform positive pres essure test (30 seco xygen and diluent g natic diluent bypas tm(har), breathe on	ster and latc ke. ead assembly ssure test. as supplies. s valve opera it then liste	h down. /. ntion. Watch for 1	HP gauge flu	ictuation.	laved inform
25. F 26. 27. 28. 29. 30. 31. 32. 33. 33. 5. be	Install lid Install O ₂ Secure re Install H Inspect a Close veri Perform f Slowly o Verify O Set setpo	I assembly supply hose maining by UD. Il hand tight nt valve, per negative pr pen both o $_2$ and autor int to 0.5 a ndsets and	to gas plenum cani se to O ₂ supply inta reathing hoses to he at fittings. erform positive press ressure test (30 seco xygen and diluent g natic diluent bypass tm(bar), breathe on HUD. Injections sh	ster and latc ke. ad assembly soure test. ond test). gas supplies. s valve opera it, then liste ould cease v	h down. /. ntion. Watch for 1 n for oxygen injç /hen the setooint	HP gauge flu ctions and d is reached. I	uctuation. compare disp Note: Primar	layed inform v handset ha
25. F 26. 27. 28. 29. 30. 31. 31. 32. 33. 34. 35. be ch	Install lid Install O ₂ Secure re Install H Inspect a Close ver Perform F Slowly o Verify O Set setpo tween har	I assembly supply hose maining by UD. Il hand tigh nt valve, per negative pr pen both o 2 and autor int to 0.5 a udsets and splayed in	to gas plenum cani se to O ₂ supply inta reathing hoses to he at fittings. erform positive press ressure test (30 seco xygen and diluent g natic diluent bypass tm(bar), breathe on HUD. Injections sh the lower corner w	ster and latc ke. ad assembly soure test. ond test). as supplies. s valve opera- it, then liste ould cease w nile injecting	h down. 7. ntion. Watch for 1 n for oxygen inje /hen the setpoint 5.	HP gauge flu ctions and c is reached. 1	actuation. compare disp Note: Primar	layed inform y handset ha
25. F 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. be ch 36.	Install lid Install O ₂ Secure re Install HI Inspect a Close ver Perform Slowly o Verify O Set setpo Set setpo (Optional	I assembly supply hose maining by UD. Il hand tight to valve, per negative pr pen both o $_2$ and autor int to 0.5 a ndsets and splayed in I) Perform	to gas plenum cani se to O ₂ supply inta reathing hoses to he at fittings. erform positive pres ressure test (30 secc xygen and diluent g natic diluent bypass tm(bar), breathe on HUD. Injections sh the lower corner wl reverse O ₂ flush un	ster and latc ke. ad assembly soure test. ond test). gas supplies. s valve opera- it, then liste ould cease v nile injecting til max PO ₂	h down. , , n for oxygen injo , hen the setpoint , achieved (should	HP gauge flu ections and c is reached. I	ictuation. compare disp Note: Primar	layed inform y handset ha).
25. F 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. be ch 36. 37.	Install lid Install lid Install O ₂ Secure re Install HI Inspect a Close ver Perform 1 Slowly o Verify O Set setpo tween har aracter di (Optional Record c	I assembly supply hose emaining by UD. II hand tigh nt valve, penegative pr pen both o 2 and autor int to 0.5 a dostets and splayed in I) Perform ylinder pre	to gas plenum cani se to O ₂ supply inta reathing hoses to he at fittings. erform positive pres- ressure test (30 secc xygen and diluent g natic diluent bypass; tm(bar), breathe on HUD. Injections sh the lower corner wh reverse O ₂ flush un ssures O ₂ :	ster and latc ke. ead assembly ssure test. ond test). gas supplies. s valve opera it, then liste ould cease v nile injecting Lil max PO2 Diluent:	h down. , , n for oxygen injo hen the setpoint , achieved (should (PSI/B	HP gauge flu ections and c is reached. I match cylin AR)	actuation. compare disp Note: Primar ader contents	layed inform y handset ha).
25. F 26. 27. 28. 29. 30. 31. 31. 32. 33. 34. 35. be ch 36. 37. 37. 38. 38. 38. 37. 37. 38. 38. 37. 37. 37. 38. 38. 38. 38. 38. 38. 38. 38	Install Joint Install Joint Install Joint Install Joint Install Joint Install Joint Install High Inspect a Close ver Perform Install High Slowly of Verify O. Set setpo tween har aracter distribution of the control of Con	I assembly supply hos- emaining b UD. II hand tight th valve, penegative pr pen both o 2 and autor int to 0.5 a addsets and splayed in I) Perform ylinder pre and diluen	to gas plenum cani se to O ₂ supply inta reathing hoses to he at fittings. erform positive pres- essure test (30 secc xygen and diluent g natic diluent bypass; tm(bar), breathe on HUD. Injections sh the lower corner wh reverse O ₂ flush un ssures O ₂ :	ster and latc ke. ead assembly ssure test. as supplies. s valve opera it, then liste ould cease v nile injecting til max PO ₂ nten recon	h down. , , n for oxygen inje , hen the setpoint , achieved (should (PSI/B rd pressures O ₂ : 	HP gauge flu ections and c is reached. 1 match cylir AR) Dilu	ictuation. compare disp Note: Primar inder contents	layed inform y handset ha). (PSI/BAR)
25.5 F 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. be ch 36. 37. 38. 38. 39. 4. 38. 38. 4. 4. 38. 38. 38. 38. 38. 37. 38. 37. 37. 37. 38. 39. 39. 39. 39. 30. 30. 30. 30. 30. 30. 30. 30	Install lid Install O2 Secure re Install HI Inspect a Close ver Perform 1 Slowly o Verify O Set setpo tween har aracter dis (Optional Record c Close O2 Verify PI	l assembly supply hos- maining b: UD. Il hand tigh nt valve, penegative pi pen both o 2 and autor int to 0.5 a ddsets and splayed in 1) Perform and diluen RIMARY i remainder	to gas plenum cani se to O ₂ supply inta reathing hoses to he at fittings. erform positive pres- ressure test (30 secc xygen and diluent g natic diluent bypass; tm(bar), breathe on HUD. Injections sh the lower corner wi reverse O ₂ flush un ssures O ₂ : t valves. Wait 2 mi to load voltage	ster and latc ke. ead assembly ssure test. as supplies. s valve opera it, then liste ould cease w nile injecting til max PO ₂ Diluent: n. then recor cf nlower	h down. , , , h for oxygen injo hen the setpoint , achieved (should , rd pressures O ₂ : , tage , tage , tage , , , , , , , , , , , , ,	HP gauge flu ections and c is reached. 1 match cylin AR) Dilu ECONDAR	ictuation. compare disp Note: Primar inder contents ent: Y No-Load v	layed inform y handset has). (PSI/BAR) roltage Co & back-o

41.Note: If the performance of any of the above tasks is in question or the performance/operation

- of the CCR is in question, do not dive the CCR! Consult the operation manual or call ISC.
- 42. Remarks (continue on rear in remarks section if insufficient space).
- Diver:

MEGALODON POST DIVE CHECK LIST (APECS 2.5A CE)

Date of post-dive://	
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Post dive start time: _____ Stop time: _____

Initials Note: Initial only when task has been performed.

1	Rinse	CCR i	n fresh	water
 1.	Runse	CURI	n nesn	water

- 2. Record cylinder pressures O₂, _____PSI/BAR Diluent: _____ PSI/BAR
- 3. Close valves on O₂ and diluent cylinders then bleed down system via bypass valves.
- _____ 4. Disconnect all L.P. hoses.
- 5. Remove DSV assembly from counterlungs and gas plenum canister. Disinfect and rinse.
- _____6. Disinfect counterlungs and rinse. Hang to dry upside down.
- _____7. Remove back plate assembly and BC.
- _____ 8. Remove first stage assemblies from gas supplies.
- 9. Remove lid assembly from gas plenum canister. Install dust caps on the lid hose couplings.
- _____10. Remove scrubber canister and moisture pads and dry. Mark scrubber time on canister label.
- 11. Remove sensor moisture pads and wring out. Hang to dry.
 - ____ 12. Wipe down lid assembly and set down so sensors face down.
- 13. Remove and fill O₂ and diluent cylinders.
- 14. Record accumulated CO₂ scrubber absorption time in Table 2.
- _____ 15. If scrubber absorbent service time expired, remove scrubber and dump.
 - If scrubber absorbent service time remains, store intact in air tight container.
- _____16. Record battery operational time in Table 2.
- 10. Record barry operational mine in Table 2.
 17. Log PRIMARY no load voltage ______ SECONDARY No-Load voltage ______. Replace
 batteries BEFORE THE NEXT DIVE if batteries are at 5.4 volts or less. DO NOT DIVE with low batteries.
 - _____18. Power off the primary and secondary electronics.

Accumulated Time: (Minutes)	Previous (Min)	This Dive (Min)	Total Used (Min)	Time Allowed (Min)	Time Remaining (Min)
Primary Battery (ISC Approved Alkaline 7.5v, 2850mAh)				4200	
Secondary Battery (ISC Approved Alkaline 7.5v, 2850mAh)				6000	
CO ₂ Canister Type: Radial, 5.5lb/2.4kg				180	

Table 2

Diver: _____

Remarks:

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