

Chapter 5.0 Appendix

5.1 Emergency Procedures

The following are general recommended emergency procedures. However, it is up to the individual diver and dive supervisor to make judgements under specific conditions on how to best cope with particular situations.

Problem	Action		
	Diver	Topside (Tender)	
1) Loss of communications	Revert to line pull signals and abort the dive	Revert to line pull signals and have diver abort the dive.	
	Diver	KMACS 5 Operator	
2) Loss of primary air supply (LP compressor in use)	Shifts to EGS and notifies topsides on EGS Diver checks to insure the umbilical is clear and stands by to abort when instructed.	Shifts to KMACS 5 HP supply and regulator system and notifies diver to secure EGS at side block and test breathing on surface supply, abort dive.	
	KMACS 5 Operator		
3) Loss of primary air supply (HP in use)	Notifies diver to shift to EGS, check umbilical clear, and standby to leave the bottom		
	Diver	KMACS 5 Operator	Supervisor
4) Diver's umbilical severed.	Shift to EGS, check umbilical clear then surface slowly if ascent line is available otherwise standby to surface with assistance of the standby diver.	Secure air to the severed umbilical. Insure standby divers supply is not compromised.	Deploys standby diver with tag line to assist in recovering and surfacing the diver with the severed umbilical.
5) Pneumo will not operate.	a) Dive hose should be marked with colored tape every 10 feet. Take depth readings from this. (will only be approximate) b) Diver's personal depth gauge can provide back up.		

5.2 Communications Wiring Schematics

If your KMACS has communications, refer to the radio manual, P/N 100-400 Two-Diver Air Intercom user guide.

5.3 Exploded Views & Parts Lists

The following parts are not shown on the blow apart drawing and are listed for reference only.

Location	Part #	Description	Qty
Not Shown	420-100	Case, KMACS 5	1
Not Shown	415-030	Battery Charger Assembly	1

* The following parts in the interior plumbing require the use of Conical Seals, # 455-135.
The conical seals are provided with the items listed below.

Location	Part #	Description
28	405-105	High Pressure Inlet Tube (blue)
31	405-105	High Pressure Inlet Tube (orange)
39	405-106	High Pressure Regulator Inlet Tube

KMACS 5 DIVE LOG

Diver: _____ Date: _____

KMACS 5 Operator: _____

Dive Location: _____

Weather Conditions: _____

Purpose of Dive: _____

Low Pressure Air Source Pressure: _____

High Pressure Air Source Pressure: _____

Cylinder #	Start	Finish
1	_____	_____
2	_____	_____
3	_____	_____
4	_____	_____
5	_____	_____
6	_____	_____

Dive Times:

Diver Left Surface: _____

Diver Reached Bottom: _____

Diver Left Bottom: _____

Maximum Depth: _____

Diver Reached Surface: _____

Total Bottom Time: _____

Repetitive Group: _____

Decompression Required?: Y N

Decompression Schedule: _____

Diver's Signature _____ KMACS 5 Operator _____

