



IMPERIAL



1409 SERIES

IMMERSION SUIT

MAINTENANCE GUIDE





STEP 1

Check closures on storage bag as well as the general condition of the bag for ease of removal of the suit (A). Ensure that donning instructions are legible (B). Be sure that the bag and size are correct for that particular suit (C).



STEP 2

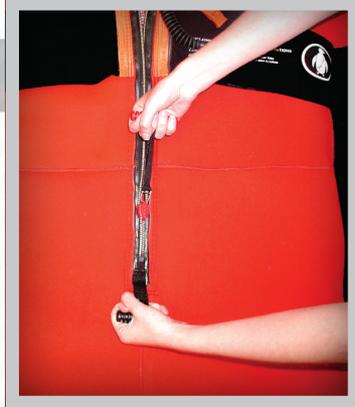
Lay the suit on a flat, clean surface. Make sure that the suit is dry, inside and out. Visually check suit for damage. Contact an authorized Imperial Immersion Suit service station if your immersion suit becomes ripped, torn, punctured, burned by chemicals and/or heat, or has seam leaks.

STEP 3

Check zipper for ease of operation by sliding it up and down the entire length of the zipper.

If the zipper is not functioning correctly, the suit must be returned to Survitec for thorough inspection, repair and/or replacement. Visually inspect the front and back of the zipper for any signs of corrosion and loose or missing teeth.

Check the zipper slider pull cord for damage and proper attachment to the slide mechanism.



STEP 4

Apply beeswax to the front and back of the zipper.

Slide the zipper up and down 3 times to work in the beeswax. There should NEVER be a build-up of wax between the zipper teeth. Use a nylon brush to remove excess wax.



STEP 5

Check the retro-reflective tape and replace if loose, dull or damaged. Ideally this should be adhered by a certified Imperial Immersion Suits service station.





STEP 6

Check whistle (D) and PFD light (E) for proper operation. Check PFD light battery for expiration. Replace battery if expired. Replace entire PFD light if it is expired or if the unit is suspected of being faulty.



STEP 7

Check high-rider ring for obvious damage and ensure that it is properly attached to the suit. Check inflation hose for any deterioration and/or leaks. See that the lock screw is in the open position (F).



STEP 8

The high-rider inflation ring should be inflated and tested for leaks using one of the following methods listed below:

1. Inflate the ring, then immerse in water (or spray with soapy water), looking carefully for any escaping bubbles (G). If any bubbles are escaping, the high-rider ring must be replaced.
2. Inflate and let stand for at least 24 hours. Check for firmness. If any deflation has occurred, the high-rider ring must be replaced.

STEP 9

Cleaning your immersion suit should only be done if necessary. The suit should NEVER be cleaned or exposed to any kind of solvents or similar cleaners. The immersion suit should be washed with common household soap or mild detergents and rinsed thoroughly with plenty of fresh water. Stains can be removed by gently scrubbing with a soft nylon brush.



STEP 10

After cleaning, turn the suit inside-out and hang on a large sturdy hanger (common wardrobe hangers will not support the suit). Be careful not to expose the suit to direct sunlight or heating apparatus. When the inside of the suit is completely dry, turn the suit back to its original position, return to hanger and wait until dry.



STEP 11

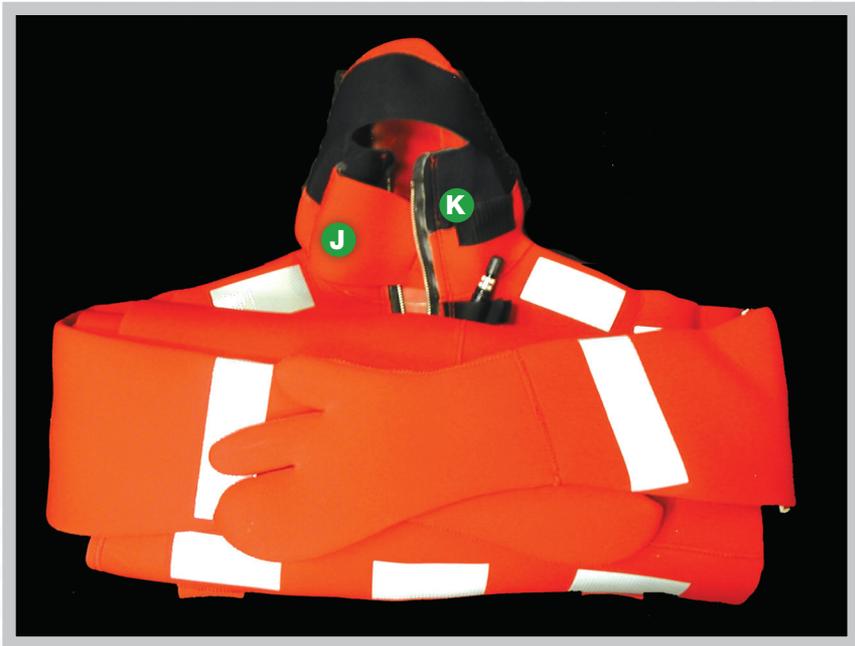
Lay suit out on a flat, clean surface with the arms spread out (H). Make sure the zipper is open, leaving about 1 inch (2.5cm) unzipped at the bottom as shown (I). This is to allow the zipper to avoid any clothing that may get caught in the zipper while donning the suit.



STEP 12

Repack the immersion suit following this procedure:

1. Roll suit feet-first (over) all the way to the chin area.
2. Tuck the face flap (J) into the hood (K).
3. Fold the arms over the rolled-up body of the suit.
4. Fold the hood over the rolled up suit, and place in storage bag.
5. Snap all bag closures.
6. Store in a clean, dry accessible area in case of emergency. Make sure that the suit does not get crushed or compressed in stowage, as this may result in a loss of buoyancy.



**5 EASY
STEPS TO
DON SUIT**



Suit Size:	Adult	Intermediate	Jumbo	Child
Height Range:	4'11" - 6'3" (1.52m - 1.9m)	4-11" - 5'10" (1.47m - 1.77m)	Over 6'3" (Over 1.9m)	3'3" - 4'2" (.99m - 1.27m)
Weight Range:	110 - 330 lbs (50 - 150kg)	110 - 180 lbs (50 - 80kg)	Over 220 (Over 100kg)	44-110 (19.96-50kg)

**Ship's
Registry**

USA

USA

Approvals:	USCG/SOLAS Approval No. 161.171/208/0	USCG/SOLAS Approval No. 160.171/210/0	USCG/SOLAS Approval No. 161.171/209/0	USCG Approval No. 160.171/4/0
	80-1409-A	80-1409-O	80-1409-J	80-1409-C
	80-1409-A-3	80-1409-O-3	80-1409-J-3	n/a



Suit Storage Bag Part #

80-I-0201

80-I-0200

80-I-0204

80-I-0202



THE

ORIGINAL IMMERSION SUITS



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SCMG003A REV01222014