

COOLING SYSTEM INSTRUCTION NOTE

CONGRATULATIONS ON YOUR PURCHASE OF STAND 21 COOLING WATER SYSTEM!

ALL LEVELS OF DRIVERS IN VERY HOT COCKPIT USE STAND 21 COOLING WATER SYSTEM. IT ENABLES TO MAINTAIN YOUR BODY AND CORE TEMPERATURE TO BE MORE COMFORTABLE, SAFE AND MENTALLY ALERT. IT HELPS TO PREVENT HEAT EXHAUSTION AND HEAT STROKE.

YOUR STAND 21 COOLING WATER SYSTEM KIT INCLUDES:

- 1 COOLING BOX
- 2 ANTI RETURN VALVES
- 1 X 2,4 METER (8 FEET) INSULATED WATER HOSE WITH QUICK DISCONNECTS
- 1 HIGH PRESSURE PUMP 12 V 2.0 A
- 1 FLOW REGULATOR
- 1 RIGID BASE WITH STRAP
- DRY WEIGHT WITH RIGID BASE: 3.6 KG (7.92 LBS)
- DIMENSIONS: L = 41 X 26 W X 32 H CM (15.5 L X 10.5 W X 13 H INCHES)

FIREPROOF TURTLENECK UNDERWEAR IS SOLD SEPARATELY. PLEASE ENSURE YOU BOUGHT IT WITH YOUR KIT. IF NOT, CONTACT YOUR STAND 21 SALES POINT.



WHY IS IT SO IMPORTANT TO COOL DOWN THE BODY?

THIS PRODUCT BELONGS TO OUR MEDIAL HEAT STRESS PROGRAM TO OPTIMISE YOUR DRIVING PERFORMANCE DURING DRIVING EFFORT.

ABOVE 25°C (77°F), THE HUMAN BODY NEEDS TO LOOSE EXTRA HEAT THAT IS WHY WEARING A BREATHABLE SUIT IS CRUCIAL. FROM 40°C (104 F) THE THERMAL EXCHANGE WITH AMBIENT SURROUNDINGS BECOMES MORE AND MORE DIFFICULT AND THE DRIVER SLOWLY ASPHYXIATES.

THAT IS WHY YOU NEED TO USE A GLOBAL CONCEPT (STRETCHABLE SUIT, AIR FORCE HELMET...) TO GET UNMATCHED ADVANTAGE.

IF YOU HAVE ANY QUESTIONS, PLEASE CALL YOUR STAND 21 OFFICE. WE WILL BE PLEASED TO HELP YOU.

FEEL FREE TO WATCH HEAT STRESS VIDEO ON WWW.STAND21.FR

INSTALLATION INSTRUCTIONS COOLING UNIT + SUPPORT

1. SELECT MOUNTING TRAY LOCATION AND PERMANENTLY ATTACH THE TRAY TO THE RACECAR WITH ANY APPROPRIATE HARDWARE (NOT PROVIDED). PLACE COOLING UNIT INTO THE MOUNTING TRAY.
2. THREAD THE TIE DOWN STRAP THROUGH ONE OF THE TWO SLOTS PROVIDED ON THE COOLING UNIT, THEN RUN THE STRAP DOWN THROUGH THE SLOT ON THE SAME SIDE OF THE MOUNTING TRAY. RUN THE STRAP LENGTHWISE UNDER THE COOLING UNIT BETWEEN THE MOUNTING TRAY AND COOLING UNIT, THROUGH THE SLOT ON THE OTHER SIDE OF THE MOUNTING TRAY AND UP THROUGH THE SLOT IN THE TOP OF THE COOLING UNIT.
3. USE THE CLAMP PROVIDED ON THE STRAP TO SECURE THE COOLING UNIT TO THE TRAY. THE COOLING UNIT AND MOUNTING TRAY WERE PACKAGED THIS WAY FROM THE FACTORY PRIOR TO SHIPPING TO ILLUSTRATE PROPER PLACEMENT OF TIE-DOWN STRAP.

NOTE: ENSURE THAT THE 2.4 METER (8 FEET) WATER HOSE CAN REACH THE DRIVER. DO NOT ALLOW THE HOSE TO COME INTO CONTACT WITH ANY HOT METALS AS THIS MAY DAMAGE THE HOSE.

COOLING UNIT ONLY

1. MOUNT THE COOLING UNIT AT A CONVENIENCE PLACE IN THE RACECAR USING YOUR OWN FABRICATED MOUNTING TRAY OR BY STRAPPING THE COOLING UNIT DIRECTLY TO THE RACE CAR WITH EYE HOOKS AND RATCHET TRAPS.
2. WIRE THE COOLER INTO A TOGGLE SWITCH OR THE FLOW REGULATOR
BROWN WIRE = POSITIVE BLACK WIRE = NEGATIVE CONNECTION

NOTE: DO NOT ALLOW THE COOLING UNIT TO COME INTO CONTACT WITH ANY HOT METALS AS THIS MAY DAMAGE THE UNIT. FOR DRIVER SAFETY, BEFORE USING THE SYSTEM, ENSURE THAT THE COOLING UNIT CAN BE SECURELY FASTENED TO THE RACECAR AND THAT IT WILL NOT BREAK LOOSE IN THE EVEN OF A CRASH.

INSTALLATION FOR USE

1. PUT 2 LITERS (1/2 GALLON) OF WATER INTO THE COOLING UNIT. FILL THE UNIT BLOCK ICE (PREFERABLE) OR CUBED ICE TO THE TOP OF THE UNIT.
2. PUT ON YOUR COOLING UNDERWEAR NEXT TO YOUR SKIN WITH THE TUBING FACING OUT. PUT ON YOUR DRIVER'S SUIT AND ROUTE THE HOSES OUTSIDE OF YOUR SUIT VIA THE SIDE POCKET OR FRONT ZIPPER.
3. CONNECT HOSE TO COOLING UNIT AND COOLING UNDERWEAR. LISTEN FOR AN AUDIBLE "CLICK" THAT ENSURES A GOOD CONNECTION. TURN THE UNIT ON.
4. TO USE "QUICK DISCONNECT" FEATURE, JUST DRAW IN ONE SHOT

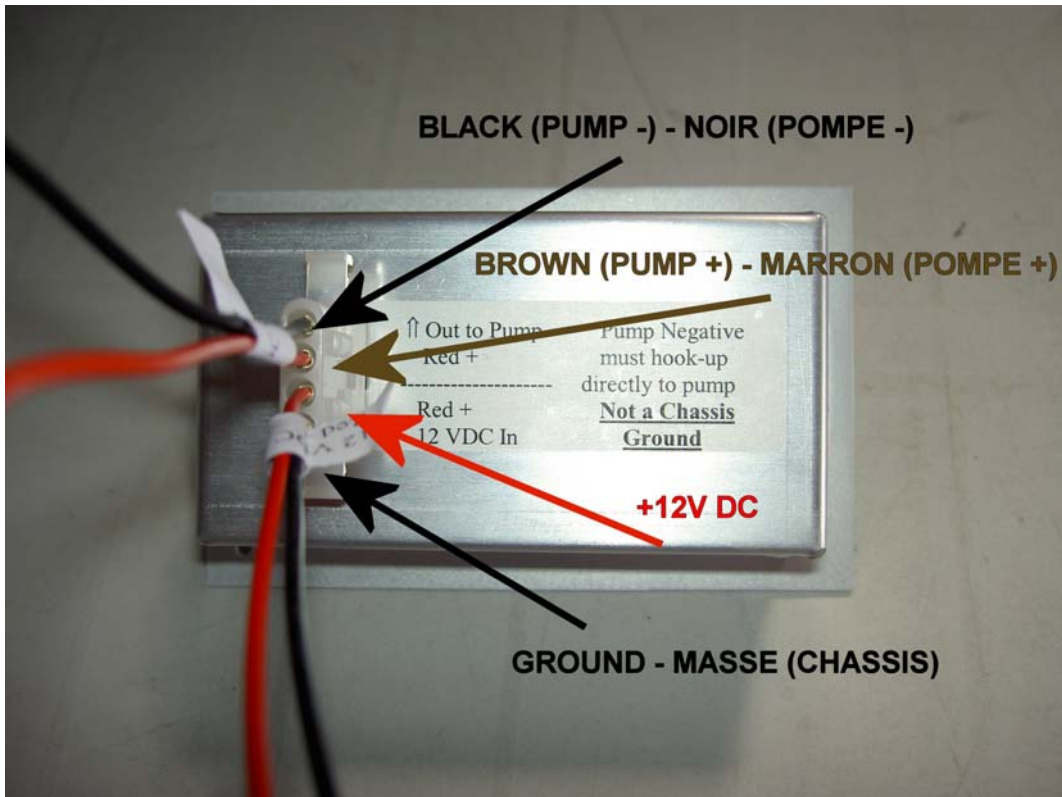
TROUBLE SHOOTING

1. **LEAKS:** CHECK TO SEE IF ALL FITTINGS ARE PROPERLY CONNECTED. LISTEN FOR AUDIBLE "CLICK"
2. **NO PUMPING:** RECHECK ELECTRICAL CONNECTIONS
3. **WATER NOT FLOWING:** CHECK THE HOSES TO BE SURE THAT YOUR SEAT BELT OR HARNESS IS NOT CRIMPING THE TUBING. IF THE PUMP IS RUNNING BUT NOT PUMPING WATER, ADD 1 EXTRA LITRE OF WATER (1/4 GALLON).

MAINTENANCE

1. **COOLING UNDERWEAR:** TURN THE SHIRT INSIDE OUT AND WASH IN WASHING MACHINE ON THE GENTLE CYCLE IN WARM OR COLD WATER.
2. TO PREVENT SCUM BUILD UP AND ALGAE GROWTH, ONCE PER MONTH OR BEFORE LONG TERM STORAGE, ADD 227 GRAMS (8 OZ) OF RUBBING ALCOHOL TO THE COOLING UNIT WITH 2 LITRES (1/2 GALLON) OF WATER AND CIRCULATE THROUGH THE HOSE AND SHIRT.

WIRING DIAGRAM



QUICK START

