



## **ROBOSUIT™ INSTALLATION INSTRUCTIONS FOR THE STAUBLI RX-SERIES ROBOT**

PRIOR TO INSTALLING THE ROBOSUIT™, CLEAN THE ROBOT SURFACE--ESPECIALLY IF THE ROBOT HAS BEEN IN OPERATION WITHOUT ANY EFFECTIVE PROTECTION.

1. DISCONNECT ANYTHING THAT WILL INTERFERE WITH INSTALLATION.
2. MOVE THE ARM TO ITS HOME POSITION.
3. OPEN ALL SEAMS.
4. EACH SUIT IS MADE UP OF FOUR (4) PIECES PLUS AN OPTIONAL SKIRT FOR THE RISER. IF YOU HAVE FIVE (5) PIECES, PROCEED WITH STEP 5; OTHERWISE, BEGIN WITH STEP 6.
5. INSTALL THE SKIRT WITH THE VELCRO PANEL REMOVED. PASS THE CABLES AND AIR LINES THROUGH THE "GOOSENECK" OPENING, AND CONNECT TO THE ROBOT. CLOSE THE ZIPPER AND SECURE THE VELCRO PANEL.
6. INSTALL THE LOWER ARM PIECE (JOINT 2 HAS A LARGER DIAMETER THAN JOINT 3). ONCE THE JOINTS ARE ALIGNED, CLOSE THE VELCRO SEAM. RECHECK JOINT ALIGNMENT FOR FIT.
7. INSTALL THE BASE COVER. THIS IS THE LARGER OF THE TWO BOX SHAPED PIECES. MAKE SURE THE JOINT 2 PLASTIC COLLAR OVERLAPS THE LOWER-ARM FLANGE. CLOSE THE VELCRO FLAP.
8. INSTALL THE SHOULDER PIECE. ENSURE THAT THE PLASTIC COLLAR IS OVERLAPPING THE JOINT 3 (LOWER ARM) FLANGE AND VELCRO FLAP.
9. INSTALL THE UPPER ARM. ORIENT THE PIECE SO THAT THE ZIPPER FACES THE SIDE. AIR LINES TO THE UPPER ARM CAN BE ATTACHED THROUGH THE VELCRO PANEL ONCE IT IS CUT TO ACCOMMODATE THE AIR LINE. THE COVER MAY BE CLAMPED TO THE ARM AT THE JOINT 6 CUFF AND IN FRONT OF JOINT 4 (IF DESIRED). CLOSE THE ZIPPER AND SECURE THE PANEL.
10. WITH THE PENDANT IN JOINT MODE, SLOWLY MOVE ALL AXES (J1 THROUGH J6) AT NO MORE THAN 25% SPEED). OBSERVE THE ARM FOR ANY SUIT MISALIGNMENT. SILICONE OR WD-40 MAY BE USED TO LUBRICATE THE J2 AND J3 OVERLAPS (IF DESIRED).

SHOULD YOU HAVE ANY QUESTIONS, PLEASE CALL ROBOWORLD.