



## **ROBOSUIT™ INSTALLATION INSTRUCTIONS FOR THE KR500 ROBOT**

PRIOR TO INSTALLING THE ROBOSUIT™, CLEAN THE ROBOT SURFACE IF THE ROBOT HAS BEEN IN OPERATION WITHOUT ANY EFFECTIVE PROTECTION. REMOVE FORK LIFT PICK POINTS, IF STILL ATTACHED TO THE ROBOT, AND DISCONNECT ANY ATTACHMENTS THAT WILL INTERFERE WITH INSTALLATION. PLEASE NOTE, THE ROBOSUIT(TM) IS INTENDED TO COVER THE ROBOT ONLY. ANY EXTERNAL VALVE PACKS, J-BOXES, OR CABLES/HOSES, ARE NOT INTENDED TO BE COVERED BY THE SUIT. THESE ITEMS MUST BE CONNECTED THROUGH THE SUIT. THE END-OF-ARM TOOLING DOES NOT NEED TO BE REMOVED. MOVE THE ARM TO ITS "HOME" POSITION. PRIOR TO INSTALLING THE SUIT, REMOVE THE FLEXIBLE CONDUIT THAT IS ATTACHED TO THE ROBOT. IT WILL BE RE-ATTACHED THROUGH THE SUIT.

EACH SUIT IS MADE UP OF FOUR (4) PIECES; WRIST/UPPER ARM, SHOULDER, LOWER ARM AND A VELCROED JOINT THREE COVER STRIP. IDENTIFY THEM AND OPEN ALL ZIPPERS AND VELCRO SEAMS. IF YOU HAVE PURCHASED A BASE COVER, THAT WILL BE AN ADDITIONAL PIECE AND CAN BE INSTALLED AT ANY TIME.

1. INSTALL THE WRIST/UPPER ARM PIECE WITH THE VELCRO ON THE BOTTOM. ALIGN AND CLOSE THE VELCRO FOLDS. SECURE THE WRIST CUFFS BEHIND THE TOOL FLANGE AND IN FRONT OF JOINT 4 WITH THE SUPPLIED CLAMPS (OPTIONAL).
2. MOVE THE ROBOT SO THAT THE HARD STOP AT JOINT THREE IS OUTSIDE THE ARM PIT. INSTALL THE SHOULDER PIECE WITH THE CABLE COVER "GOOSENECK" ON TOP TO BE JOINED TO THE MATCHING "GOOSENECK VELCRO" ON THE LOWER ARM PIECE (STEP # 3). MAKE SURE THE JOINT 3 CUFF CLEARS THE HARD STOP AND CLOSURES AROUND THE SHOULDER SIDE OF J3 WITH THE ATTACHED ADHESIVE BACKED VELCRO. THE SHOULDER PIECE ARM CUFF OVERLAPS THE WRIST/UPPER ARM COVER AT JOINT 4. HARDWARE CONNECTIONS TO THE ROBOT CAN BE MADE THROUGH CUSTOMIZED VELCRO ATTACHED ACCESS PANELS THAT COVER THE ROBOT'S MOUNTING HOLES.
3. INSTALL THE LOWER ARM PIECE MAKING SURE THE BALANCING UNIT IS ALIGNED WITH THE MATING SUIT PIECE. INSIDE THE SUIT, AT THE JOINT-3 END, (ATOP THE ARM) ARE VELCRO PADS. SECURE THE MATING ADHESIVE BACKED VELCRO TO THE ROBOT AT THE APPROPRIATE SPOT TO ENSURE A GOOD SUIT FIT. THE RUBBER HARD STOP MUST BE OUTSIDE THE SUIT. CLOSE THE ZIPPER AND VELCRO SEAMS. CLOSE THE "GOOSENECKS" AROUND THE CONDUIT ENTRY AND EXIT POINTS. THE COVER STRIP FOR JOINT THREE CAN NOW BE ATTACHED TO THE EXPOSED VELCRO AT THE TOP OF THE ARM IF ADDITIONAL JOINT THREE PROTECTION IS REQUIRED.
4. THE FLEXIBLE CONDUIT BRACKETS CAN NOW BE RE-ATTACHED THROUGH THE VELCROED SUIT PANELS. SLOWLY MOVE THE ROBOT ARM TO CHECK FOR FIT AND OBSTRUCTIONS.

SHOULD YOU HAVE ANY QUESTIONS, PLEASE CONTACT ROBOWORLD.