



ROBOSUIT® INSTALLATION INSTRUCTIONS FOR THE KUKA KR360/480/500/600 ROBOT

PRIOR TO INSTALLING THE ROBOSUIT®, CLEAN THE ROBOT SURFACES IF THE ROBOT HAS BEEN IN OPERATION WITHOUT ANY EFFECTIVE PROTECTION.

THE ROBOSUIT IS INTENDED TO COVER THE ROBOT ONLY. REMOVE ANY EXTERNAL VALVE PACKS, J-BOXES, BRACKETS OR CABLES/HOSES THAT ARE NOT PART OF THE BARE OEM ROBOT. ACCESSORIES MAY BE RECONNECTED THROUGH THE SUIT FOLLOWING INSTALLATION. NOTE: END-OF-ARM TOOLING DOES NOT NEED TO BE REMOVED.

MOVE THE ARM TO ITS "HOME" POSITION.

EACH SUIT IS MADE UP OF FOUR (4) PIECES; WRIST/UPPER ARM, SHOULDER, LOWER ARM AND A STATIONARY BASE COVER. IDENTIFY EACH AND OPEN ALL ZIPPERS AND VELCRO SEAMS.

1. INSTALL THE WRIST/UPPER ARM PIECE WITH THE VELCRO SEAM ORIENTED TOWARD THE BOTTOM OF THE TORQUE TUBE. THE J4 RING SHOULD BE ORIENTED TOWARD THE SHOULDER OF THE ROBOT. ALIGN AND CLOSE THE VELCRO FOLDS. SECURE THE WRIST CUFFS BEHIND THE TOOL FLANGE AND IN FRONT OF JOINT 4 WITH SUPPLIED CLAMPS (OPTIONAL).
2. ROTATE JOINT 3 SO THAT THE POLYURETHANE HARD STOP IS LOCKED OUTSIDE OF THE ARM PIT. INSTALL THE SHOULDER PIECE WITH THE CABLE COVER "GOOSENECK" ON TOP AND THE PLASTIC J4 RING FACING THE WRIST. MAKE SURE THE JOINT 3 CUFF CLEARS THE CAST METAL HARD STOP AND CLOSURES AROUND THE SHOULDER-SIDE OF J3. THE SHOULDER PIECE CONNECTS TO THE WRIST/UPPER ARM COVER VIA A RING AT J4. HARDWARE CONNECTIONS TO THE ROBOT CAN BE MADE THROUGH VELCRO ATTACHED ACCESS PANELS THAT COVER THE ROBOT'S PERIPHERAL MOUNTING PAD LOCATIONS.
3. INSTALL THE LOWER ARM PIECE MAKING CERTAIN THAT THE BALANCING UNIT IS ALIGNED WITH THE MATING POCKET IN THE SUIT AND THE J2 BELLOWS LIE FLAT. SECURE THE MATING ADHESIVE BACKED VELCRO AT JOINT 3, (ATOP THE ARM) TO THE ROBOT. THE POLYURETHANE HARD STOP MUST BE OUTSIDE THE SUIT. CLOSE THE ZIPPER AND VELCRO SEAMS. ATTACH VELCRO AROUND THE CONDUIT ENTRY AND EXIT POINTS. THE CABLE COVER CAN NOW BE ATTACHED TO THE EXPOSED VELCRO AT THE TOP OF THE ARM.
4. INSTALL THE STATIONARY BASE COVER (IF ORDERED).

IF YOU HAVE ANY QUESTIONS, PLEASE CONTACT US AT THE PHONE NUMBERS PROVIDED BELOW.