



ROBOSUIT™ INSTALLATION INSTRUCTIONS FOR THE MOTOMAN K10 ROBOT

PRIOR TO INSTALLING THE ROBOSUIT™, CLEAN THE ROBOT SURFACE IF THE ROBOT HAS BEEN IN OPERATION WITHOUT ANY EFFECTIVE PROTECTION. DISCONNECT ANYTHING THAT WILL INTERFERE WITH INSTALLATION. NORMALLY, END-OF-ARM TOOLING DOESN'T INTERFERE. IF PRACTICAL, MOVE THE ROBOT TO THE "HOME" POSITION.

1. OPEN ALL SUIT ZIPPERS AND VELCRO SEAMS.
2. IF YOU PURCHASED A BASE COVER, INSTALL IT FIRST. IT IS CONTOURED TO THE BASE SHAPE WHERE THE CONNECTORS ATTACH AND IS HELD IN POSITION WITH A WEB BELT WHICH LOOPS AROUND THE BASE CASTING.
3. INSTALL THE LOWER ARM PIECE. ENSURE BELLOWS (ACORDIAN-STYLE FOLDS) ARE PROPERLY ORIENTED, AND THAT THE 2ND AND 3RD AXIS MOTORS ARE POSITIONED UNDERNEATH THE CORRESPONDING SUIT POCKETS. INSIDE EACH POCKET YOU WILL FIND A STRAP FOR SECURING THE SUIT TO THE ROBOT. PASS THE STRAPS BETWEEN THE MOTORS AND CABLES AND PULL TO TIGHTEN. ZIPPER THE LOWER ARM CLOSED. IF YOUR SUIT HAS A BELT, LOOP THE BELT AROUND THE LOWER PORTION OF THE ROBOT, AND TIGHTEN. ENSURE EXCESS BELT MATERIAL IS REMOVED/SECURED.
4. IF YOUR ROBOT HAS A COUNTERWEIGHT, MAKE SURE IT IS POSITIONED IN THE BELLOWED POCKET AND ADJUST THE SUSPENDER AT THE SHOULDER TO PREVENT THE BOTTOM FROM SNAGGING OR FROM BEING CAUGHT BETWEEN THE COUNTERWEIGHT AND LINK ROD. A SKIRT BAND IS INCLUDED THAT WRAPS AROUND THE ROTATING BASE IF NEEDED.
5. INSTALL THE UPPER ARM PIECE. ORIENT THE TOOL FLANGE PERPENDICULAR TO THE ARM. THE ZIPPER ON THE SUIT PIECE MAY BE POSITIONED ALONG THE BOTTOM OR TOP. CLAMP THE UPPER ARM PIECE BEHIND THE TOOL FLANGE. THE UPPER ARM PIECE OVERLAYS THE LOWER ARM PIECE. MAKE CERTAIN THE CLAMP DOESN'T INTERFERE WITH FLANGE ROTATION. THE SUIT PIECE CAN ALSO BE CLAMPED APPROXIMATELY 4-INCHES IN FRONT OF THE "R" AXIS. SNAP THE ZIPPER TAB.
6. ATTACH ALL TOOLING AND RECONNECT ANY ELECTRIC/PNEUMATIC LINES THAT WERE DISCONNECTED. IF YOUR SUIT WAS CUSTOMIZED, VELCRO PANELS HAVE BEEN INCORPORATED TO ACCESS INTEGRATED CONNECTIONS. CAREFULLY CUT INTO THEM AS NEEDED. "CROSSHAIR" CUTS ARE RECOMMENDED.
7. ENSURE THAT BOTH "UL" LIGHTS ARE VISIBLE. CLEAR THE WORK-ENVELOPE OF ANY OBJECTS THAT MAY SNAG THE SUIT.
8. MOVE THE ROBOT SLOWLY THROUGH ITS WORK ENVELOPE BEFORE PUTTING IT INTO PRODUCTION.

SHOULD YOU HAVE ANY QUESTIONS, PLEASE CONTACT ROBOWORLD.