



ROBOSUIT™ INSTALLATION INSTRUCTIONS FOR THE MOTOMAN K60 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. MOVE THE ROBOT TO THE "HOME" POSITION IF POSSIBLE.

1. OPEN ALL ZIPPERS AND VELCRO SEAMS.
2. IF YOU PURCHASED A BASE COVER, INSTALL IT NOW. IT IS HELD IN POSITION WITH A WEB BELT THAT LOOPS AROUND THE ROBOT'S BASE CASTING.
3. INSTALL THE LOWER ARM PIECE. MAKE SURE THE BELLOWS (ACCORDIAN-STYLE FOLDS) ARE IN PROPER POSITION AND THAT THE 2ND AND 3RD AXIS MOTORS SIT WITHIN THE TWO POCKETS OF THE LOWER ARM. INSIDE THESE POCKETS, STRAPS ARE USED TO SECURE THE SUIT TO THE ROBOT. PASS THE STRAPS BETWEEN THE MOTORS AND CABLES AND PULL THE STRAP TIGHT. ZIPPER THE SUIT CLOSED. IF YOUR SUIT HAS A BELT, LOOP THE BELT AROUND THE BOTTOM AND TIGHTEN IT. MAKE CERTAIN ANY EXCESS BELT MATERIAL IS REMOVED/SECURED.
4. IF YOUR ROBOT HAS A COUNTERWEIGHT, POSITION THEM WITHIN THE BELLOWS POCKET OF THE LOWER ARM, AND ADJUST THE SUSPENDER AT THE SHOULDER TO PREVENT THE BELLOWS FROM SNAGGING OR FROM BEING CAUGHT BETWEEN THE COUNTERWEIGHT AND ITS LINK ROD. A SKIRT BAND IS INCLUDED THAT WRAPS AROUND THE ROTATING BASE IF NEEDED.
5. ORIENT THE TOOL FLANGE PERPENDICULAR TO THE ARM. INSTALL THE UPPER ARM COVER. THE ZIPPER MAY BE POSITIONED ON THE TOP OR BOTTOM. CLAMP THE UPPER ARM PIECE BEHIND THE TOOL-FLANGE. ENSURE THE CLAMP DOESN'T INTERFERE WITH FLANGE ROTATION. THE UPPER ARM PIECE OVERLAYS THE LOWER ARM PIECE AND WILL ROTATE WITH THE UPPER ARM. THE SUIT PIECE CAN ALSO BE CLAMPED APPROXIMATELY 4 INCHES IN FRONT OF THE "R" AXIS. CLOSE THE ZIPPER AND SNAP THE BUTTON.
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. MAKE SURE THE UL LIGHTS ARE VISIBLE. CLEAR THE CELL AREA BEFORE PUTTING THE ROBOT INTO MOTION. MOVE THE ROBOT SLOWLY THROUGH THE WORK ENVELOPE BEFORE PLACING (BACK) INTO PRODUCTION.

SHOULD YOU HAVE ANY QUESTIONS, PLEASE CONTACT ROBOWORLD.