



ROBOSUIT™ INSTALLATION INSTRUCTIONS FOR THE MOTOMAN SK-SERIES 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.

1. MOVE THE ROBOT TO THE “HOME” POSITION IF POSSIBLE.
2. OPEN ALL ZIPPERS AND VELCRO SEAMS ON THE SUIT.
3. IF YOU PURCHASED A BASE COVER, INSTALL IT FIRST. IT IS HELD IN POSITION WITH A WEB BELT WHICH LOOPS AROUND THE BASE CASTING.
4. INSTALL THE LOWER ARM PIECE. ENSURE THE BELLOWS (ACCORDIAN-STYLE FOLDS) ARE IN PROPER POSITION. THE 2ND AND 3RD AXIS MOTORS ARE DESIGNED TO FIT INTO POCKETS INSIDE THE LOWER ARM. WITHIN EACH POCKET YOU WILL FIND STRAPS FOR SECURING THE SUIT TO THE ROBOT. PASS THE STRAPS BETWEEN THE MOTORS AND CABLES AND PULL TIGHT.
5. IF YOUR ROBOT HAS A COUNTERWEIGHT, POSITIONED IT WITHIN THE BELLOWS POCKET AND ADJUST THE SUSPENDER AT THE SHOULDER TO PREVENT THE BOTTOM FROM SAGGING OR FROM BECOMING CAUGHT BETWEEN THE COUNTERWEIGHT AND ITS LINK ROD. A SKIRT BAND IS INCLUDED THAT MAY BE WRAPPED AROUND THE ROTATING BASE (AS NEEDED).
6. ZIPPER THE LOWER ARM CLOSED. IF THE LOWER ARM FEATURES A BELT, LOOP THE BELT AROUND THE BOTTOM CIRCUMFERENCE OF THE LOWER ARM, AND TIGHTEN. ENSURE ANY EXCESS BELT MATERIAL IS REMOVED/SECURED.
7. INSTALL THE UPPER ARM PIECE. POSITION THE TOOL FLANGE PERPENDICULAR TO THE ARM. THE ZIPPER MAY BE OREIENATED ALONG THE TOP OR BOTTOM OF THE UPPER ARM. CLAMP THE UPPER ARM PIECE BEHIND THE FLANGE. MAKE CERTAIN 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 MAY ALSO BE CLAMPED APPROXIMATELY 4-INCHES IN FRONT OF THE "R" AXIS. CLOSE THE ZIPPER AND SNAP THE BUTTON CLOSED.
8. ATTACH TOOLING AND RECONNECT ANY ELECTRIC/PNEUMATIC LINES THAT WERE DISCONNECTED. VELCRO PANELS HAVE BEEN INCORPORATED TO ACCESS INTEGRATED CONNECTIONS. CAREFULLY CUT THEM USING "CROSSHAIR" CUTS (AS NEEDED).
9. MAKE SURE UL LIGHTS ARE VISIBLE, AND THERE ARE NO OBJECTS WITHIN THE WORKING ENVELOPE OF THE ROBOT BEFORE PUTTING IT INTO MOTION. MOVE THE ROBOT SLOWLY BEFORE PUTTING IT INTO PRODUCTION.

SHOULD YOU HAVE ANY QUESTIONS, PLEASE CONTACT ROBOWORLD.