



ROBOSUIT™ INSTALLATION INSTRUCTIONS FOR THE FANUC LR Mate-Series ROBOT

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

1. DISCONNECT ANYTHING THAT WILL INTERFERE WITH INSTALLATION. NORMALLY, END-OF-ARM TOOLING DOESN'T INTERFERE.
2. MOVE THE ROBOT TO THE "HOME" POSITION IF POSSIBLE.
3. OPEN ALL ZIPPERS AND VELCRO SEAMS.
4. INSTALL THE LOWER ARM PIECE FIRST. MAKE SURE THE BELLOWS (ACCORDIAN-STYLE FOLDS IN THE SUIT) ARE IN PROPER POSITION. IF YOUR SUIT HAS A BELT OR CLAMP, LOOP THE BELT AROUND THE BOTTOM.
5. ATTACH THE UPPER ARM TO THE ALUMINUM JOINT AND CLAMP IT SO THAT THERE IS ABOUT 1/8 INCH CLEARANCE TO ACCOMADATE THE PLASTIC RING ON THE LOWER ARM PIECE (LATER). MAKE SURE THE WORM-DRIVE DOESN'T RUB ANY PART OF THE PLASTIC.
6. POSITIONING THE TOOL FLANGE PERPENDICULAR TO THE ARM. INSTALL THE UPPER ARM PIECE WITH THE VELCRO SEAM FACING UPWARD. CLAMP THE UPPER ARM J4 RING PIECE IN FRONT OF THE JOINT (APPROXIMATELY 2-INCHES). THE JACK SCREWS WILL CLAMP THE RING TO THE SIDES OF THE UPPER ARM -DO NOT OVER TIGHTEN OR PUNCTURE THE PLASTIC ARM. THE RING WILL ROTATE WITH THE UPPER ARM. THE SUIT PIECE CAN ALSO BE CLAMPED BEHIND THE TOOL FLANGE. CLOSE ALL SEAMS AND SNAP THE BUTTONS. MAKE CERTAIN THE PLASTIC RING DOES NOT RUB THE CLAMP THAT HOLDS THE UPPER ARM PIECE.
7. ATTACH ALL TOOLING AND RECONNECT ALL ELECTRIC/PNEUMATIC LINES THAT WERE DISCONNECTED. VELCRO PANELS HAVE BEEN PROVIDED TO ACCESS INTEGRATED CONNECTIONS. CAREFULLY CUT INTO THEM AS NEEDED. "CROSSHAIR" INCISIONS ARE RECOMMENDED.
8. MAKE SURE THE UL LIGHTS ARE VISIBLE. CLEAR THE CELL OF ANY TOOLS, LADDERS OR OBJECTS FOR THE SUIT TO SNAG OR RUB AGAINST. MOVE THE ROBOT SLOWLY THROUGH THE WORK ENVELOPE BEFORE PLACING IT INTO PRODUCTION.

SHOULD YOU HAVE ANY QUESTIONS, PLEASE CONTACT ROBOWORLD.