



ROBOSUIT™ INSTALLATION INSTRUCTIONS FOR THE M-16i 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.
2. IF YOU ARE INSTALLING ROTARY SLIP JOINTS, DO SO BEFORE PROCEEDING.
3. TO INSTALL THE BASE ENCLOSURE, REMOVE THE TWO-PIECE TOP AND PLACE THE TUB OVER THE ARM MAKING SURE THE FIRST AXIS IS CENTERED WITHIN THE SLIP JOINT OPENING. RE-ASSEMBLE THE COVER AND SLIP JOINT. ATTACH THE FLANGE JOINT NEXT. THE TOOL FLANGE MOUNTING HOLES ARE REPLICATED TO INSURE TOOLING MOUNTING COMPATIBILITY. INSTALL J4 JOINT IN FRONT OF THE AXIS, CAREFULLY ADJUSTING THE "JACK SCREWS" TO PREVENT BINDING. THE UPPER ARM SUIT PIECE WILL CLAMP TO THE ALUMINUM TRACK; THE LOWER ARM SUIT PIECE WILL CLAMP TO THE ROTATING NYLON RING.
4. OPEN ALL SUIT ZIPPERS AND VELCRO SEAMS.
5. POSITION THE TOOL FLANGE PERPENDICULAR TO THE ARM. DRAPE THE LOWER ARM SUIT PIECE OVER THE ROBOT. MAKE SURE THE BELLOWS (ACCORDIAN-STYLE FOLDS) ARE PROPERLY ORIENTED AROUND J2 (WAIST). IF THE SUIT HAS A BELT OR CLAMP, POSITION IT AROUND THE BOTTOM OF THE ROTATING BASE (JOINT).
6. CLOSE THE ZIPPERS AND VELCRO SEAMS ACROSS THE BOTTOM OF THE ARM. CLAMP THE UPPER ARM PIECE BEHIND THE FLANGE (IF NO ROTARY JOINT) OR ON THE SLIP JOINT'S NYLON RING ATTACHED TO THE FLANGE. ENSURE THE CLAMP DOESN'T INTERFERE WITH FLANGE ROTATION OR WRIST PITCH. SNAP THE ZIPPER TABS AND BELT.
7. ATTACH ALL TOOLING AND RECONNECT ALL ELECTRIC/PNEUMATIC LINES THAT WERE DISCONNECTED. VELCRO PANELS HAVE BEEN INCORPORATED TO ACCESS INTEGRATED CONNECTIONS. CAREFULLY CUT INTO THEM AS NEEDED. "CROSSHAIR" INCISIONS ARE RECOMMENDED.
8. CLEAR THE WORK AREA BEFORE PUTTING THE ROBOT INTO MOTION. MOVE THE ROBOT SLOWLY THROUGH THE WORK ENVELOPE BEFORE PLACING THE ROBOT INTO PRODUCTION.

SHOULD YOU HAVE ANY QUESTIONS, PLEASE CONTACT ROBOWORLD.