



ROBOSUIT™ INSTALLATION INSTRUCTIONS FOR THE M6i 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 CONTAINER OVER THE ARM MAKING SURE THE FIRST AXIS IS CENTERED IN THE JOINT OPENING. REASSEMBLE THE COVER AND SLIP JOINT. ATTACH THE FLANGE JOINT NEXT. THE TOOL FLANGE MOUNTING HOLES ARE REPLICATED TO INSURE TOOLING MOUNTING COMPATIBILITY. INSTALL THE 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 ZIPPERS AND VELCRO SEAMS.
5. DRAPE THE LOWER ARM SUIT PIECE OVER THE ROBOT. ENSURE THE BELLOWS (ACCORDIAN-STYLE FOLDS IN THE SUIT) ARE PROPERLY ORIENTED AROUND THE WAIST (J2). IF YOUR SUIT HAS A BELT OR CLAMP, POSITION IT AROUND THE BOTIOM OF THE ROTATING BASE (JOINT).
6. POSITIONING THE TOOL FLANGE PERPENDICULAR TO THE UPPER ARM. INSTALL THE UPPER ARM WITH THE ZIPPERS AND VELCRO SEAMS ALONG THE BOTTOM OF THE ARM. CLAMP THE UPPER ARM PIECE BEHIND THE FLANGE IF THERE IS NO ROTARY JOINT OR ON THE SLIP JOINT'S NYLON RING ATTACHED TO THE FLANGE. MAKE CERTAIN 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 ALLOW ACCESS TO INTEGRATED CONNECTIONS. CAREFULLY CUT INTO THEM AS NEEDED. "CROSSHAIR" CUTS ARE RECOMMENDED.
8. MAKE SURE THERE ARE NO OBJECTS FOR THE SUIT TO SNAG BEFORE PUTIING THE ROBOT INTO MOTION. MOVE THE ROBOT SLOWLY THROUGH THE WORK ENVELOPE BEFORE PLACING IT INTO PRODUCTION.

SHOULD YOU HAVE ANY QUESTIONS, PLEASE CONTACT ROBOWORLD.