



ROBOSUIT INSTALLATION INSTRUCTIONS FOR THE ABB IRB-6400/6400R 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 IF THE ROBOT'S FLANGE IS FACE-OUT. IF POSSIBLE, PLACE THE ROBOT IN IT'S SYNC ALIGNED (HOME) POSITION.

OPEN ALL ZIPPERS.

REMOVE THE SYNC PLATE AT AXIS ONE TO PREVENT IT FROM TEARING THE SUIT. STORE IT IN A CONVENIENT PLACE FOR USE WHEN THE ROBOT MUST BE "ZEROED-OUT."

1. INSTALL THE STATIONARY BASE COVER IF ONE HAS BEEN SUPPLIED. IF THE ROBOT HAS PORTABLE HARD STOPS AROUND THE BASE, REMOVE THE PARTS AND REINSTALL THROUGH THE COVER.
2. INSTALL THE UPPER ARM PIECE FIRST WITH THE ZIPPER ON THE BOTTOM. POSITIONING THE TOOL FLANGE PERPENDICULAR TO THE ARM WILL FACILITATE INSTALLATION. CLAMP THE UPPER ARM PIECE BEHIND THE FLANGE IF THERE IS A POSSIBILITY THE SUIT COULD SLIP OFF THE FLANGE AND INTERFERE WITH THE TOOLING. THE UPPER ARM PIECE UNDERLAYS THE LOWER ARM PIECE AND WILL ROTATE WITH THE UPPER ARM. MAKE CERTAIN THE CLAMP DOESN'T INTERFERE WITH FLANGE ROTATION. THE SUIT PIECE CAN ALSO BE CLAMPED APPROXIMATELY 12 INCHES IN FRONT OF THE 4TH AXIS. SNAP THE ZIPPER TAB. NOTE: SOME ARM SUITS ARE TWO PIECE. IF YOUR'S IS, THERE ARE SNAPS AND VELCRO BEHIND THE WRIST AND AT THE FRONT END OF THE LINEAR ARM PIECES. THESE TWO PIECES MUST BE CONNECTED.
3. INSTALL THE LOWER ARM PIECE NEXT. MAKE SURE THE BELLOWS (FOLDS IN THE SUIT) ARE IN PROPER POSITION AND THAT THE 2ND AND 3RD AXIS MOTORS ARE INTO THE TWO POCKETS. SNAP THE POCKET BELTS SNUGLY AROUND THE MOTORS AVOIDING THE MOTOR CABLES. ZIPPER THE SUIT CLOSED. CLOSE THE SNAP BAND BENEATH THE FIRST AXIS STATIONARY HARD STOP AND CLOSE THE SKIRT ZIPPER AROUND THE PORTABLE HARD STOP (IRB6400 ONLY). LOOP THE BELT SNUGLY AROUND THE BOTTOM. TAKE UP THE EXCESS BELT MATERIAL THROUGH THE LOOPS. MAKE SURE THE ROBOT'S COUNTERWEIGHT IS INSIDE THE BELLOWED POCKET AND ADJUST THE TOP SUSPENDERS TO PREVENT SNAGGING THE BASE OR THE HARD STOP.

ATTACH ALL TOOLING AND RECONNECT ALL ELECTRIC/PNEUMATIC LINES THAT WERE DISCONNECTED. VELCRO PANELS HAVE BEEN INCORPORATED TO ACCESS THE ROBOT. CAREFULLY MAKE "CROSS HAIR" CUTS AS NEEDED FOR BOLTS, CONNECTORS AND AIR LINES.

MAKE SURE THERE ARE NO OBJECTS IN THE CELL BEFORE MOVING THE ROBOT. SLOWLY MOVE THE ROBOT ONE AXIS AT A TIME BEGINNING WITH THE WRIST (AXIS 6) AND ENDING AT THE BASE (AXIS 1).

SHOULD YOU HAVE ANY QUESTIONS, PLEASE CONTACT ROBOWORLD, LLC AT (513) 633-2585.