



ROBOSUIT™ INSTALLATION INSTRUCTIONS FOR THE ABB IRB-2600 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. OPEN ALL ZIPPERS.
2. INSTALL THE LOWER ARM PIECE FIRST. 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. AROUND THE MOTOR P.OCKETS ARE BELTS. LOOP THEM AROUND THE MOTORS AND SNAP THEM TIGHTLY CLOSED. ZIPPER THE SUIT CLOSED AND LOOP THE BELT AROUND THE BOTTOM SNUGLY.
3. INSTALLTHE GLASS RODS ON EACH SIDE OF THE SUIT PIECE, BELOW THE LAST BELLOW ABOVE THE MOTOR POCKETS, BY GOING THROUGH THE ROD LOOP AND INTO THE ROD END POCKETS (OPTIONAL).
4. INSTALL THE UPPER ARM PIECE NEXT WITH THE ZIPPER ON THE BOTTOM. POSITIONING THE TOOL FLANGE PERPENDCCULAR TO THE ARM WI LL FACI LITATE 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 OVERLAYS 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 4 INCHES IN FRONT OF THE 4TH AXIS. SNAP THE ZIPPER TAB.
5. AITACH ALL TOOLING AND RECONNECT ALL ELECTRIC/PNEUMATIC LINES THAT WERE DISCONNECTED. IF YOUR SUIT WAS CUSTOMIZED, VELCRO PANELS HAVE BEEN INCORPORATED TO ACCESS THE ROBOT. CAREFULLY CUT INTO THEM AS NEEDED.
6. MAKE SURE THERE ARE NO OBJECTS FOR THE SUIT TO SNAG BEFORE PUTTING THE ROBOT INTO MOTION. SLOWLY MOVE THE ROBOT ONE AXIS AT A TIME BEGINNING WITH THE WRIST (AXIS 6) AND ENDING AT THE BASE (AXIS 1) WHILE CHECKING FOR ANY FIT PROBLEMS.

PLEASE CONTACT ROBOWORLD IF YOU HAVE ANY QUESTIONS.