ROBOSUIT INSTALLATION INSTRUCTIONS FOR THE ABB IRB-660 ROBOT

PRIOR TO INSTALLING THE ROBOSUTT, CLEAN THE ROBOT SURFACE IF THE ROBOT HAS BEEN TN 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 SUJT) ARE IN PROPER POSITION AND THAT THE 2ND AND 3RD AXIS MOTORS ARE INTO THE TWO POCKETS. INSIDE THE MOTOR POCKETS ARE BELTS.   LOOP THEM AROUND THE MOTORS   AND SNAP THEM TIGHTLY CLOSED. ZIPPER THE SIBT CLOSED AND LOOP THE TWO ELASTIC BELTS AROUND THE BOTTOM OF THE TWO REAR MOTORS.   INSTALLTHE GLASS RODS ON EACH SIDE OF THE SIBT PIECE, BELOW THE LAST BELLOW ABOVE THE MOTOR POCKETS, BY GOING THROUGH THE ROD LOOP AND INTO THE ROD END POCKETS (OPTIONAL).

3. INSTALL THE UPPER ARM PIECE NEXT WITH THE ZIPPER ON THE BOTTOM. CLOSE THE ZIPPER ANDSNAP THE ZIPPER TAB. 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. MAKE CERTAIN THE CLAMP DOESN'T INTERFERE WITH FLANGE ROTATION. THE UPPER ARM PIECE OVERLAYS THE LOWER ARM PIECE. THE SUIT PIECES CAN ALSO BE CLAMPED TOGETHER SINCE TH'ERE IS NO 4TH AXIS.

4. ATTACH 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 WHERE AITACHMENTS HAVE TO BE MADE. CAREFULLY CUT "CROSS-HAIRS" INTO THEM AS NEEDED FOR BOLTS OR CONNECTORS.

5. 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 5) AND ENDING AT THE BASE (AXIS 1) WHILE CHECKING FOR ANY FIT PROBLEMS.

SHOULD YOU HAVE ANY QUESTIONS, PLEASE CONTACT ROBOWORLD