



ROBOSUIT™ INSTALLATION INSTRUCTIONS FOR THE ABB IRB 7600 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.

MOVE THE ARM TO ITS "HOME" POSITION. END-OF-ARM TOOLING DOES NOT NEED TO BE REMOVED. VALVE PACKS AND EXTERNAL CONNECTIONS MUST BE REMOVED AND RE-CONNECTED THROUGH THE SUIT.

EACH SUIT IS MADE UP OF THREE (3) PIECES; WRIST/UPPER ARM, SHOULDER AND LOWER ARM. IDENTIFY THEM AND OPEN ALL ZIPPERS AND VELCRO SEAMS.

1. INSTALL THE WRIST/UPPER ARM PIECE WITH THE VELCRO ON BOTTOM OR TOP. ALIGN AND CLOSE THE VELCRO FOLDS. SECURE THE WRIST CUFFS BEHIND THE TOOL FLANGE AND IN FRONT OF JOINT 4 WITH THE SUPPLIED CLAMPS (OPTIONAL).
2. INSTALL THE SHOULDER PIECE. JOIN THE CABLE COVER "GOOSENECK" ON THE SHOULDER TO THE MATCHING "GOOSENECK" ON THE LOWER ARM PIECE. MAKE SURE THE JOINT 3 CUFF CLEARS THE HARD STOP AND CLOSURES AROUND J3. ENSURE J3 FREELY ROTATES. OVERLAP THE UPPER ARM COVER AT JOINT 4. CONNECTIONS TO THE ROBOT CAN BE MADE THROUGH THE VELCRO ATTACHED ACCESS PANELS USING "CROSSHAIR" CUTS IN THE COVERS THEMSELVES.
3. PRIOR TO INSTALLING THE LOWER ARM/ PIECE, REMOVE THE TWO BRACKETS THAT SECURE THE FLEXIBLE CONDUIT TO THE ARM. THE BRACKETS WILL BE RE-ATTACHED THROUGH THE TWO VELCROED SUIT PANELS. MAKE SURE THE BALANCING UNIT IS ALIGNED WITH THE MATING SUIT PIECE. INSIDE THE SUIT, AT THE BALANCING UNIT END AND TOP OF THE ARM, ARE VELCRO PADS. SECURE THE MATING ADHESIVE BACKED VELCRO TO THE ROBOT AT THE APPROPRIATE SPOT TO INSURE A GOOD LOWER ARM FIT. CLOSE THE ZIPPER AND VELCRO SEAMS. CLOSE THE "GOOSENECKS" AROUND THE CONDUIT ENTRY AND EXIT POINTS. (NOTE: THE FOLDS AT THE WAIST (J2) ARE STABILIZED WITH ELASTIC ROPE. ADJUST IF REQUIRED.)
4. SLOWLY MOVE THE ROBOT ARM TO CHECK FOR FIT AND OBSTRUCTIONS.

SHOULD YOU HAVE ANY QUESTIONS, PLEASE CONTACT ROBOWORLD