



## **ROBOSUIT INSTALLATION INSTRUCTIONS FOR THE ABB IRB 140 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.

1. OPEN ALL ZIPPERS AND VELCRO.
2. EACH SUIT IS MADE UP OF THREE (3) PIECES PLUS AN OPTIONAL COVER FOR THE BASE. IF YOU HAVE FOUR (4) PIECES, PROCEED WITH STEP 1; OTHERWISE, BEGIN WITH STEP 2.
  1. INSTALL THE COVER AROUND THE BASE AND SECURE THE VEL'CRO BELT AROUND THE CONNECTORS.
  2. INSTALL THE LOWER ARM PIECE. THIS IS THE LARGEST PIECE. JOINT 3 HAS A VELCRO SEAM ON THE REAR AND A DRIP-FLANGE THAT WILL UNDERLAY THE SHOULDER PIECE. MAKE SURE THE JOINT 2 MOTOR IS IN THE SUIT CHANNEL. CLOSE THE ZIPPER/VELCRO SEAMS AND TIGHTEN THE WEB NYLON BUCKLE BELT AROUND THE BASE
  3. INSTALL THE SHOULDER PIECE WITH THE HARD STOP OUTSIDE THE SUIT. MAKE SURE THE JOINT-3 COLLAR DOES NOT INTERFERE WITH THE LOWER ARM PIECE. ELECTRICAL OR PNEUMATIC CONNECTIONS TO THE ARM CAN BE MADE THROUGH "CROSSHAIR" CUTS IN THE SUIT, IF DESIRED. AVOID CUTTING STITCHES.
  4. INSTALL THE UPPER ARM PIECE WITH THE ZIPPER ON THE BOTTOM. CLOSE THE ZIPPER/VELCRO SEAM AND SECURE THE WRIST CUFF BEHIND THE TOOL FLANGE.
3. SLOWLY MOVE THE ROBOT ARM TO CHECK FOR FIT AND POSSIBLE INTERFERENCE.

SHOULD YOU HAVE ANY QUESTIONS, PLEASE CONTACT ROBOWORLD.

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