



## **ROBOSUIT™ INSTALLATION INSTRUCTIONS FOR THE ABB IRB 6640 ROBOT**

PRIOR TO INSTALLING THE ROBOSUIT™, CLEAN THE ROBOT SURFACE IF THE ROBOT HAS BEEN IN OPERATION WITHOUT ANY EFFECTIVE PROTECTION. REMOVE FORK LIFT PICK POINTS, IF STILL ATTACHED TO THE ROBOT, AND DISCONNECT ANY ATTACHMENTS THAT WILL INTERFERE WITH INSTALLATION. PLEASE NOTE, THE ROBOSUIT IS INTENDED TO COVER THE ROBOT ONLY. ANY EXTERNAL VALVE PACKS, J-BOXES, OR CABLES/HOSES, ARE NOT INTENDED TO BE COVERED BY THE SUIT. THESE ITEMS MUST BE RE-CONNECTED THROUGH THE SUIT. THE END-OF-ARM TOOLING DOES NOT NEED TO BE REMOVED. MOVE THE ARM TO ITS "HOME" POSITION.

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. IF YOU HAVE PURCHASED A BASE COVER, THAT WILL BE AN ADDITIONAL PIECE.

1. INSTALL THE SHOULDER PIECE WITH THE VELCRO PANEL ON TOP FOR ACCESS TO MOUNTING PLATE. MAKE SURE THE JOINT 3 CUFF CLEARS THE HARD STOP AND CLOSSES AROUND J3 AND IS FREE TO ROTATE. IT WILL BE OVERLAPPED BY THE UPPER ARM COVER AT JOINT 4. ONE HOSE CLAMP IS PROVIDED TO STABILIZE THE SHOULDER PIECE THAT WILL BE OVERLAPPED BY THE WRIST PIECE.
1. 2. 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. SECURE THE MATING ADHESIVE BACKED VELCRO TO THE ROBOT AT THE TOP OF THE LOWER ARM TO ENSURE A GOOD SUIT 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.)
2. INSTALL THE WRIST/UPPER ARM PIECE WITH THE ZIPPER I VELCRO ON THE BOTTOM. 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).
3. SLOWLY MOVE THE ROBOT ARM TO CHECK FOR FIT AND OBSTRUCTIONS.

IF YOU HAVE ANY QUESTIONS, PLEASE CONTACT ROBOWORLD.