



## **ROBOSUIT™ INSTALLATION INSTRUCTIONS FOR THE ABB IRB-3000 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. IF THE LIFTING EYE BOLTS ARE ATTACHED, REMOVE THEM.

1. OPEN ALL ZIPPERS.
2. INSTALL THE LOWER ARM PIECE FIRST. MAKE SURE THE BELLOWS (FOLDS IN THE SUIT) ARE IN PROPER POSITION THEN ZIPPER THE SUIT CLOSED AND CLAMP THE SUIT ABOUT TWO (2) INCHES BEHIND THE FOURTH (4TH) AXIS. USE A 9/32 INCH SOCKET/RATCHET DRIVE BUT DON'T OVER TIGHTEN THE CLAMP. INSTALL THE BUCKLE BELT THROUGH THE LOOPS AT THE BOTTOM. THE BELT MUST BE AROUND THE ROTATING BASE. MAKE SURE THERE AREN'T ANY OBJECTS THAT CAN SNAG THE SUIT OR BELT AROUND THE BASE.
3. INSTALL THE UPPER ARM PIECE NEXT WITH THE ZIPPER ON THE BOTTOM. HAVING THE TOOL FLANGE PERPENDICULAR TO THE ARM WILL FACILITATE INSTALLATION. CLAMP THE UPPER ARM PIECE BEHIND THE FLANGE AND ABOUT TWO (2) INCHES AHEAD OF THE FOURTH (4TH) AXIS. THE UPPER ARM PIECE OVERLAPS THE LOWER ARM PIECE AND WILL ROTATE WITH THE UPPER ARM. MAKE CERTAIN THE CLAMPS DON'T INTERFERE WITH ARM MOVEMENT.
4. WITH YOUR FINGER, LOCATE THE TWO TAPPED HOLES FOR THE EYE BOLTS. USING A SHARP KNIFE OR RAZOR, MAKE TWO (2) SMALL "CROSS-HAIR" CUTS ABOVE EACH HOLE AND INSTALL THE EYE BOLTS OR TWELVE (12) MM HEX BOLTS (SUPPLIED) TO STABILIZE THE SUIT. THE BOLTS SHOULD ONLY BE SNUG TIGHT. THE CUTS WILL NOT PROPAGATE AND SHOULD ONLY BE LARGE ENOUGH TO ALLOW THE BOLTS TO PASS THROUGH.
5. REATTACH 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.

SHOULD YOU HAVE ANY QUESTIONS, PLEASE CONTACT ROBOWORLD.