



ROBOSUIT™ INSTALLATION INSTRUCTIONS FOR THE FANUC M-900/600/350 ROBOT

PRIOR TO INSTALLING THE ROBOSUIT™, CLEAN THE ROBOT SURFACE IF THE ROBOT HAS BEEN IN OPERATION WITHOUT ANY EFFECTIVE PROTECTION.

1. DISCONNECT ANYTHING THAT WILL INTERFERE WITH INSTALLATION. NORMALLY, END-OF-ARM TOOLING DOES NOT INTERFERE.
2. OPEN ALL ZIPPERS AND VELCRO SEAMS.
3. IF YOU RECEIVED THREE SUIT PIECES, LOCATE THE BASE COVER AND INSTALL IT FIRST. LOCATE THE CABLE FLAP OVER THE ELECTRICAL CONNECTORS AND CLOSE THE SEAM. OTHER CONNECTIONS TO THE BASE MUST BE MADE THROUGH THE COVE.
4. INSTALL THE LOWER ARM PIECE NEXT. VELCRO HAS BEEN SUPPLIED TO SECURE THE SKIRT OF THE LOWER ARM TO THE FIRST-AXIS (J1) FLANGE. CLEAN THE FLANGE SURFACE AND ATTACH THE VELCRO. MAKE SURE THE BELLOWS (ACCORDIAN-STYLE FOLDS IN THE SUIT) ARE PROPERLY ORIENTED, AND THAT THE 2ND AND 3RD AXIS MOTORS FIT INTO THE TWO POCKETS OF THE SUIT. INSIDE BOTH POCKETS YOU WILL FIND BELTS. SECURE THEM AROUND THE MOTORS (BETWEEN THE MOTOR AND THE CABLES). ZIPPER THE LOWER ARM CLOSED, AND REMOVE THE VELCRO ATTACHED PANEL OVER THE REAR VENT BELOW THE COUNTERWEIGHT FOLDS (KEEP THIS PANEL CLOSED/COVERED IF THE SUIT IS BEING PRESURIZED, HEATED OR COOLED).
5. POSITIONING THE TOOL FLANGE PERPENDICULAR TO THE UPPER ARM. INSTALL THE WRIST PIECE NEXT WITH THE SEAM FACING DOWNWARD. CLAMP THE PIECE BEHIND THE TOOL FLANGE IF THERE IS A POSSIBILITY THAT THE SUIT COULD SLIP OFF THE FLANGE AND INTERFERE WITH THE TOOLING. THE WRIST PIECE UNDERLAYS THE UPPER ARM AT J4. MAKE CERTAIN THE CLAMP DOESN'T INTERFERE WITH FLANGE ROTATION. THE SUIT PIECE CAN ALSO BE CLAMPED APPROXIMATELY 12-INCHES BEHIND THE 4TH AXIS. DO NOT CLAMP THE AXIS-4 (J4) MATERIAL TOGETHER. ENSURE J4 ROTATES FREELY.
6. ATTACH ALL TOOLING AND RECONNECT ALL ELECTRIC/PNEUMATIC LINES THAT WERE DISCONNECTED. VELCRO PANELS HAVE BEEN INCORPORATED TO ACCESS CONNECTIONS TO THE ROBOT. CAREFULLY CUT INTO THEM AS NEEDED, AND PASS ANY CABLES THROUGH THESE PANEL INCISIONS.
7. CLEAR THE CELL OF ANY TOOLS/LADDERS/OBJECTS THAT MAY SNAG THE SUIT BEFORE PUTTING THE ROBOT INTO MOTION.
8. ADJUST THE COUNTERWEIGHT POCKET STRAPS ON THE BACK OF THE ROBOT. THE BELLOWS SHOULD BE SUSPENDED JUST ENOUGH TO PREVENT TRIPPING THE J1 LIMIT SWITCH WHEN ROTATING ABOUT AXIS-1.

SHOULD YOU HAVE ANY QUESTIONS, PLEASE CONTACT ROBOWORLD.