



ROBOSUIT™ INSTALLATION INSTRUCTIONS FOR THE FANUC S420-SERIES ROBOT

PRIOR TO INSTALLING THE ROBOSUIT™, CLEAN THE ROBOT SURFACE, ESPECIALLY 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 EACH PIECE'S ZIPPERS AND VELCRO SEAMS.
3. IF YOU RECEIVED THREE SUIT PIECES, LOCATE THE BASE COVER AND INSTALL IT FIRST. POSITION THE CABLE FLAP OVER THE CONNECTORS AND CLOSE THE SEAM. ANY OTHER CONNECTIONS TO THE BASE MUST BE MADE THROUGH THE COVER.
4. INSTALL THE LOWER ARM PIECE. ENSURE THE BELLOWS (ACCORDIAN-STYLE FOLDS IN THE SUIT) ARE PROPERLY ORIENTED, AND THAT THE 2ND AND 3RD AXIS MOTORS FIT INTO THE POCKETS PROVIDED. SECURE THE BELTS INSIDE EACH MOTOR-POCKET TO THE MOTORS (BETWEEN THE MOTOR AND THE CABLES). ZIPPER THE LOWER-ARM CLOSED. LOOP THE BELT AROUND THE BOTTOM OF THE LOWER ARM (OPTIONAL).
5. INSTALL THE UPPER ARM PIECE. POSITION THE TOOL FLANGE PERPENDICULAR TO THE UPPER ARM. THE UPPER-ARM IS DESIGNED TO ROTATE WITH THE LOWER ARM. ****NOTE: THE UPPER ARM PIECE OVERLAYS THE LOWER ARM.** DRAPE THE UPPER-ARM OVER THE ROBOT, SO THAT THE ZIPPER FACES DOWN. CLAMP THE UPPER ARM PIECE BEHIND THE TOOL FLANGE. MAKE CERTAIN THE CLAMP DOESN'T INTERFERE WITH FLANGE ROTATION. THE SUIT MAY ALSO BE CLAMPED APPROXIMATELY 12 INCHES IN FRONT OF (DISTAL TO) THE 4TH AXIS. SNAP THE ZIPPER BUTTON.
6. ATTACH ALL TOOLING AND RECONNECT ELECTRIC/PNEUMATIC LINES. VELCRO PANELS HAVE BEEN INCORPORATED SO AS TO ALLOW ACCESS TO THE ROBOT. CAREFULLY CUT INTO THEM AS NEEDED.
7. CLEAR THE CELL OF ANY TOOLS, LADDERS OR OBJECTS.
8. SLOWLY MOVE EACH AXIS OF THE ROBOT TO ENSURE FIT/FUNCTION.

SHOULD YOU HAVE ANY QUESTIONS, PLEASE CONTACT ROBOWORLD.