



ROBOSUIT™ INSTALLATION INSTRUCTIONS FOR THE FANUC 410iB ROBOT

PRIOR TO INSTALLING THE ROBOSUIT, CLEAN THE ROBOT SURFACE, PARTICULARLY IF THE ROBOT HAS BEEN IN OPERATION WITHOUT ANY EFFECTIVE PROTECTION. DISCONNECT ANYTHING THAT WILL INTERFERE WITH INSTALLATION. NORMALLY, END-OF-ARM TOOLING DOESN'T INTERFERE. MOVE THE ROBOT TO THE "HOME" POSITION IF POSSIBLE.

A. PEDESTAL SUIT PIECE

1. OPEN THE SKIRT ZIPPER.
2. HANG THE SKIRT ON THE FOUR (4) CORNERS OF THE PEDESTAL MAKING SURE THE AIR INTAKE AND EXHAUST PANELS ARE PROPERLY LOCATED OVER THE CONTROLLER DOOR.
3. CLOSE THE ZIPPER.

B. ARM SUIT PIECE

1. OPEN ALL ZIPPERS.
2. PLACE THE SECOND (2ND.) AXIS SERVO MOTOR POCKET OVER THE MOTOR AND PUSH THE BALANCE OF THE SUIT PIECE THROUGH THE LOWER ARM/LOWER LINKAGE OPENING.
3. POSITION THE VELCRO LINED OPENING AROUND THE BASE OF THE LOWER LINKAGE JOINT AND CLOSE THE ZIPPER TO KEEP IT IN PLACE.
4. MOVING UP THE LOWER ARM, PLACE THE SUIT PIECE AROUND THE THIRD (3RD) AXIS GEAR BOX, THEN AROUND THE UPPER ARM AND THE FOURTH (4TH) AXIS GEAR BOX. NOTE: THE LINKAGE WILL OVERLAP THE ARM AT THE THIRD (3RD) AND FOURTH (4TH) AXIS CUFFS.
5. CLOSE AND SNAP ALL ZIPPERS. THE THIRD (3RD.) AXIS CUFF ZIPPER SHOULD BE CLOSED LAST AND NOT COVER THE "DOG."
6. POSITION ALL FOLDS (BELLOWS) TO PERMIT UNRESTRICTED FLEXING WHEN THE ROBOT MOVES.

C. LINKAGE SUIT PIECE

1. OPEN ALL ZIPPERS.
2. PLACE THE THIRD (3RD) AXIS SERVO MOTOR POCKET OVER THE MOTOR AND COVER THE LOWER AND UPPER LINKAGES.
3. ALIGN AND SECURE THE BOTTOM OF THE LINKAGE PIECE TO THE ARM AT THE VELCRO STRIPS.
4. POSITION THE UPPER LINK ROD FOLDS IN FRONT OF AND BEHIND THE THIRD (3RD.) AND FOURTH (4TH.) AXIS JOINTS RESPECTIVELY. NOTE: THE FOLDS SHOULD NOT COVER THE ROTATIONAL JOINTS. THEY SHOULD BE ON THE CONNECTING LINK ROD.
5. CLOSE AND SNAP ALL ZIPPERS. THE THIRD (3RD.) AND FOURTH (4TH.) AXIS CUFFS WILL OVERLAP THE ARM SUIT PIECE.
6. ATTACH THE SUPPLIED PIPE CLAMP AROUND THE CUFF AT THE END OF THE ARM (OPTIONAL).

SLOWLY (25% SPEED) MOVE THE ROBOT THROUGH THE LIMIT OF THE WORK ENVELOPE WHILE CHECKING THE FIT. THE ROBOSUIT HAS BEEN DESIGNED AND TESTED FOR UNRESTRICTED WORK ENVELOPE OPERATION WHEN PROPERLY INSTALLED.