



## **ROBOSUIT™ INSTALLATION INSTRUCTIONS FOR THE MOTOMAN NY300 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. NORMALLY, END-OF-ARM TOOLING DOESN'T INTERFERE.

1. MOVE THE ROBOT TO THE "HOME" POSITION.
2. OPEN ALL ZIPPERS AND VELCRO SEAMS ON YOUR SUIT COMPONENTS.
3. IF YOU PURCHASED A BASE COVER, YOU MAY INSTALL IT FIRST. IT IS HELD IN POSITION WITH A WEB BELT WHICH LOOPS AROUND THE BASE CASTING.
4. INSTALL THE LOWER ARM PIECE. MAKE SURE THE BELLOWS (ACCORDIAN-STYLE FOLDS) ARE ORIENTED IN THE PROPER POSITION. PLACE THE 2ND AND 3RD AXIS MOTORS INTO THE TWO POCKETS OF THE LOWER ARM. STRAPS INSIDE THESE POCKETS ARE USED TO SECURE THE SUIT TO THE ROBOT. PASS THE STRAPS BETWEEN THE MOTORS AND CABLES, AND TIGHTEN.
5. IF YOUR ROBOT HAS A COUNTERWEIGHT MAKE SURE IT IS POSITIONED IN THE BELLOWED POCKET. ADJUST THE SUSPENDER AT THE SHOULDER TO PREVENT THE BOTTOM FROM SNAGGING OR THE SUIT FROM BEING CAUGHT BETWEEN THE COUNTERWEIGHT AND ITS LINK ROD. IF NEEDED, A SKIRT BAND IS INCLUDED TO WRAP AROUND THE ROTATING BASE.
6. ZIPPER THE LOWER ARM CLOSED. IF YOUR SUIT FEATURES A BELT, LOOP IT AROUND THE BOTTOM OF THE LOWER ARM, AND TIGHTEN. ENSURE ANY EXCESS BELT MATERIAL IS REMOVED (OR SECURED).
7. ORIENT THE TOOL FLANGE PERPENDICULAR TO THE UPPER ARM. INSTALL THE UPPER ARM PIECE. THE ZIPPER MAY BE POSITIONED ALONG THE TOP OR BOTTOM OF THE UPPER ARM. CLAMP THE UPPER ARM PIECE BEHIND THE TOOL FLANGE. ENSURE THE CLAMP DOESN'T INTERFERE WITH FLANGE ROTATION. THE UPPER ARM PIECE OVERLAYS THE LOWER ARM PIECE, AND ROTATES WITH THE UPPER ARM. THE SUIT PIECE CAN ALSO BE CLAMPED APPROXIMATELY 4-INCHES IN FRONT OF THE "R" AXIS. ZIPPER THE UPPER ARM CLOSED, AND SNAP THE BUTTON.
8. ATTACH ALL TOOLING AND RECONNECT ANY ELECTRIC/PNEUMATIC LINES THAT WERE DISCONNECTED. VELCRO PANELS HAVE BEEN INCORPORATED TO ACCESS INTEGRATED CONNECTIONS. CAREFULLY CUT INTO THEM AS NEEDED. "CROSSHAIR" CUTS ARE RECOMMENDED.
9. ENSURE THE UL LIGHTS ARE VISIBLE. CLEAR THE CELL OF ANY OBJECTS BEFORE PUTTING THE ROBOT INTO MOTION. MOVE THE ROBOT SLOWLY THROUGH THE WORK ENVELOPE BEFORE PUTTING IT (BACK) INTO PRODUCTION.

SHOULD YOU HAVE ANY QUESTIONS, PLEASE CONTACT ROBOWORLD.