



## **ROBOSUIT® INSTALLATION INSTRUCTIONS FOR THE MOTOMAN MPL160 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.

OPEN ALL ZIPPERS AND VELCRO SEAMS.

REMOVE THE FIRST AXIS SYNC MARKER THAT IS FASTENED TO THE STATIONARY BASE TO PREVENT TEARING THE SUIT WHEN APPROCHING THE JOINT ONE LIMIT. STORE IN A SAFE PLACE FOR FUTURE NEED.

THE SUIT HAS EITHER A CONNECTOR BOX COVER OR STATIONARY BASE COVER. INSTALL IT FIRST. THE BASE COVER IS CONTOURED TO THE BASE SHAPE AND OVERHANGS THE CABLE CONNECTORS. THE BOX COVER IS HELD IN POSITION WITH A DRAW STRING THAT LOOPS AROUND THE BOX.

INSTALL THE UPPER AND LOWER ARM COVERS NEXT. MAKE SURE THE CONVOLUTIONS (FOLDS IN THE SUIT) ARE IN PROPER POSITION AND THAT THE 2ND AND 3RD AXIS MOTORS ARE INTO THE TWO POCKETS. CLOSE ALL ZIPPERS AND VELCRO SEAMS.

INSTALL THE LINKAGE COVER. THE LINKAGE PIECE OVERLAYS THE MAIN-ARM PIECES.

ATTACH TOOLING AND RECONNECT ANY ELECTRIC/PNEUMATIC LINES THAT WERE DISCONNECTED. IF YOUR SUIT WAS CUSTOMIZED, VELCRO PANELS HAVE BEEN INCORPORATED TO ACCESS INTEGRATED CONNECTIONS. CAREFULLY CUT INTO THEM AS NEEDED. "CROSSHAIR" CUTS ARE RECOMMENDED.

MAKE SURE THERE ARE NO OBJECTS FOR THE SUIT TO SNAG UPON. ENSURE THE UL LIGHTS ARE VISIBLE PRIOR TO MOVING THE ROBOT.

JOG THE ROBOT SLOWLY THROUGH ITS WORK ENVELOPE BEFORE PLACING INTO FULL SPEED PRODUCTION MODE.