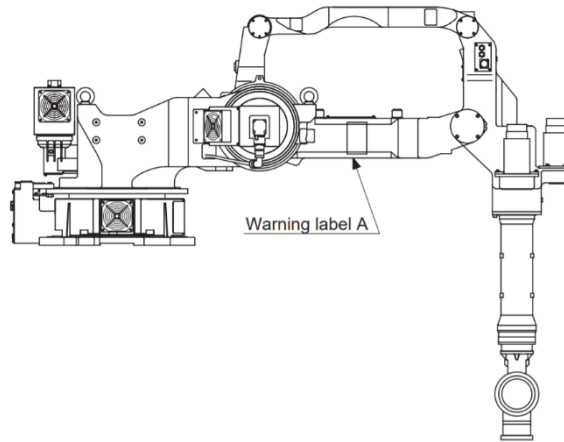


ROBOSUIT® INSTALLATION INSTRUCTIONS FOR THE MOTOMAN EPH130R ROBOT

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

THIS SUIT FITS A BARE ROBOT. DISCONNECT ANYTHING THAT WILL INTERFERE WITH INSTALLATION (LIFTING LUGS/EYE-BOLTS, BRACKETS, LINES, ACCESSORIES, ETC.). THESE MUST BE RE-INSTALLED OVER THE SUITED ROBOT.

MOVE THE ARM TO POSITION SHOWN BELOW:

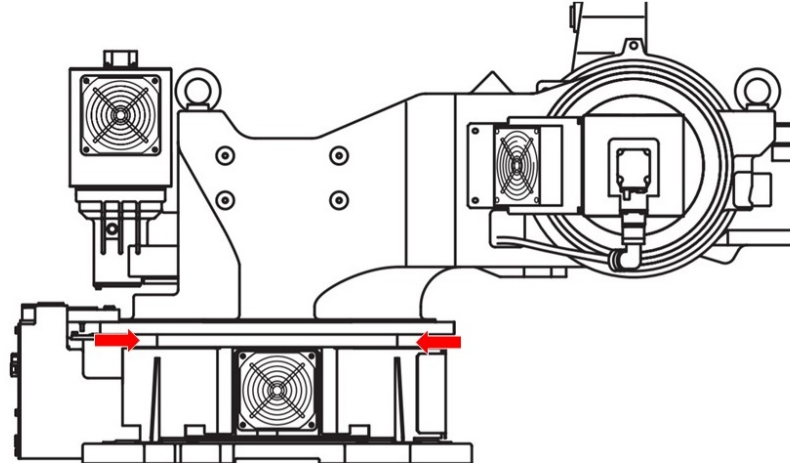


YOUR SUIT CONSISTS OF THREE (3) PIECES: STATIONARY BASE, LOWER-ARM/SHOULLDER, AND A WRIST COVER.

1. REMOVE THE S-AXIS SYNCH MARKER FROM THE ROBOT. POSITION THE STATIONARY BASE COVER WITH THE CABLING CANOPY TOWARD THE REAR. OPEN THE SEAM AND SNAPS.



- WRAP BASE COVER AROUND STATIONARY BASE CASTING, FITTING THE S-AXIS CUFF INTO THE GAP SHOWN BELOW. FEED S-AXIS LIMIT STOP THROUGH WINDOW AT REAR. CLOSE SEAMS/SNAPS:



- LOCATE THE WRIST COVER AND SNAP-ON BLAST PANEL. OPEN THE ZIPPER AND VELCRO SEAMS. INSTALL THE WRIST WITH THE RED PORTION FACING THE END-OF-ARM-TOOLING. ORIENT THE COVER WITH THE ZIPPER FACING THE ROBOT. CLOSE ZIPPER AND VELCRO ON BELLOWS. CLAMP THE RED CUFF AT THE T-AXIS CASTING USING CLAMP PROVIDED. DO NOT CLAMP ON THE ROTATING TOOL FLANGE. THE INTERLOCKING RING AT REAR WILL MATE TO THE LOWER-ARM OF THE SUIT IN THE NEXT STEP.



- LOCATE THE LOWER ARM PIECE. THIS IS THE LARGEST COMPONENT. OPEN ALL ZIPPERS/VELCRO SEAMS. UNHOOK SHOCK CORD. START BY OVERLAPPING THE WRIST RING. DRAPE COVER OVER THE SHOULDER MOTOR TRIO, AND OVER LINK ROD. ORIENT POCKETS IN SUIT AROUND L-AXIS MOTORS.

5. BEGINNING AT WRIST-END, START CLOSING ZIPPERS AND VELCRO SEAMS.
6. THE BOTTOM OF THE LOWER-ARM WRAPS AROUND THE CIRCULAR CASTING ABOVE S-AXIS. POSITION THE ELASTIC SHOCK CORD INTO THE SAME GAP THAT THE STATIONARY BASE COVER IS WRAPPED AROUND. RECONNECT BOTH ENDS OF THE CORD USING THE COBRA SNAP PROVIDED. CINCH THE CORD JUST ENOUGH THAT IT CANNOT BE LIFTED OUT OF THE GAP. CLOSE ANY REMAINING ZIPPERS/VELCRO SEAMS.



CIRCUMFERENCE OF LOWER ARM. NOTE SHOCK CORD, LOOPS AND COBRA SNAP (BEHIND ZIPPER)

7. REINSTALL ANY ACCESSORIES THROUGH THE SUIT.
8. SLOWLY MOVE THE ROBOT ARM TO ALLOW SUIT TO SETTLE/ALIGN. CHECK FOR FIT AND/OR ANY OBSTRUCTIONS.

SHOULD YOU HAVE ANY QUESTIONS, PLEASE CONTACT ROBOWORLD.