



## ROBOSUIT™ INSTALLATION INSTRUCTIONS FOR THE MOTOMAN HP20 ROBOT / VIPER S1700

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.

**WARNING!** SYNC MARKS MUST BE REMOVED OR REVERSED PRIOR TO INSTALLATION. IF THE SYNC MARKS WILL REMAIN ON THE ROBOT, THE CORNERS AND EDGES MUST BE FILED TO A ROUND PROFILE, AND MUST BE DULL TO THE TOUCH. FAILURE TO DO SO WILL TEAR THE SUIT—WHICH IS NOT COVERED UNDER WARRANTY.

EACH SUIT IS MADE UP OF THREE (3) PIECES. UPPER ARM/WRIST, LOWER ARM AND SHOULDER.

1. MOVE THE ARM TO ITS HOME POSITION, AND REMOVE THE LIFTING EYE BOLTS.
2. OPEN ALL SUIT ZIPPERS AND VELCRO SEAMS.
3. PLACE ONE PIECE OF (PROVIDED) VELCRO TAPE ON THE TOP OF THE LOWER ARM AT JOINT 3. PLACE THE SECOND PIECE OF VELCRO AT THE REAR OF THE ROTATING BASE FLANGE AT JOINT 1.
4. INSTALL THE UPPER ARM/WRIST PIECE WITH THE ZIPPER ON THE UNDERSIDE (BOTTOM). ALIGN AND COMPLETELY CLOSE THE VELCRO SEAMS--THEN ZIPPER CLOSED. THE SHOULDER PIECE WILL OVERLAP THIS PIECE. SECURE SUIT BEHIND THE TOOL FLANGE WITH SUPPLIED CLAMP.
5. INSTALL THE LOWER ARM PIECE NEXT. THIS IS THE LARGEST PIECE, AND FEATURES A NYLON BELT. JOG J3 FORWARD 20-30-DEGREES TO FACILITATE INSTALLATION. CLOSE ALL VELCRO SEAMS THEN CLOSE ZIPPERS. TIGHTEN THE NYLON BELT AROUND THE BASE. CUT OFF EXCESS BELT MATERIAL- AND BURN/MELT CUT EDGE TO PREVENT FRAYING) ENSURE EXCESS BELT MATERIAL DOES NOT HANG FROM THE SUIT.
6. INSTALL THE SHOULDER PIECE. POSITION THE SHOULDER SO THAT IT OVERLAPS THE UPPER ARM PIECE AND THE LOWER ARM PIECE. BE SURE TO KEEP THE RIGID PVC TOUGH.
7. THE HOSE COVER (SEPARATE PIECE) IS INSTALLED LAST.
8. SLOWLY MOVE THE ROBOT ARM TO CHECK FOR FIT AND OBSTRUCTIONS.

SHOULD YOU HAVE ANY QUESTIONS, PLEASE CONTACT ROBOWORLD.