



## **ROBOSUIT™ INSTALLATION INSTRUCTIONS FOR THE MOTOMAN YS-SERIES ROBOT**

PRIOR TO INSTALLING THE ROBOSUIT™, CLEAN THE ROBOT SURFACE IF THE ROBOT HAS BEEN IN OPERATION WITHOUT ANY EFFECTIVE PROTECTION. PORTIONS OF THIS SUIT REQUIRE VELCRO BE ATTACHED DIRECTLY TO THE CASTING OF THE ROBOT. HAVE ALCOHOL (OR OTHER SUITABLE SOLVENT) AVAILABLE TO REMOVE OILY RESIDUE IN SELECT AREAS.

1. DISCONNECT ANYTHING THAT WILL INTERFERE WITH INSTALLATION (TOOLING, AIR LINES, BRACKETS, VALVE PACKS, ETC.)
2. MOVE THE UPPER ARM TO ITS FULLY EXTENDED POSITION.
3. OPEN ALL VELCRO AND ZIPPERED SEAMS ON EACH OF THE THREE PIECES. NOTE THE LOCATIONS OF VELCRO TAPE ON THE INSIDE OF THE BASE-COVER AND ON THE INSIDE OF THE LOWER-ARM COVER.
4. BEGIN BY INSTALLING THE BASE COVER. NOTE THE LOCATION OF THE VELCRO TAPE ON THE INSIDE OF THE COVER. ORIENT THE BASE COVER SO THAT THE CIRCULAR CUFF FACES "UP" (TOWARD AXIS-1 (J1)). PASS CABLES AND AIR LINES THROUGH THE PROVIDED OPENING. SEPARATE THE SECTIONS OF VELCRO TAPE INSIDE THE SUIT. REMOVE THE ADHESIVE BACKING FROM THE TAPE, AND ATTACH IT TO THE CASTING SO THAT IT MATES TO THE VELCRO SEWN TO THE INSIDE OF THE COVER. CLOSE THE VELCRO SEAM AND SECURE THE VELCRO TO THE CASTING. THE "GOOSENECK" OPENING AT THE BACK WILL CONNECT THE CABLE WRAP TO THE UPPER ARM PIECE ONCE THE SUIT IS INSTALLED.
5. INSTALL THE LOWER ARM PIECE. AGAIN, MATCH THE ADHESIVE VELCRO TO THE VELCRO ON THE INSIDE OF THE SUIT. ADHERE THE ADHESIVE-BACKED VELCRO TO THE CASTING TO HOLD THE SUIT PIECE IN PLACE (AT JOINT 2). CLOSE VELCRO SEAMS AND SNAPS.
6. INSTALL THE UPPER ARM COVER. OVERLAP THE CUFF OF THE LOWER ARM AT JOINT 2. UPPER ARM OVERLAYS LOWER ARM.
7. INSTALL THE CABLE COVER BETWEEN THE UPPER ARM AND BASE COVER.
8. SLOWLY MOVE ALL JOINTS (J1 THROUGH J4 @ 25% SPEED) OBSERVING THE ARM FOR ANY SUIT MISALIGNMENT.

IF YOU HAVE ANY QUESTIONS OR REQUIRE ASSISTANCE, PLEASE CALL ROBOWORLD