



ROBOSUIT™ INSTALLATION INSTRUCTIONS FOR THE FANUC M20iA AND ARCMATE 120iC SERIES ROBOT

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

1. REMOVE FORK LIFT PICK POINTS (EYE BOLTS), IF STILL ATTACHED TO THE ROBOT.
2. DISCONNECT ANY ATTACHMENTS THAT WILL INTERFERE WITH INSTALLATION. END-OF-ARM TOOLING DOES NOT NEED TO BE REMOVED. VALVE PACKS, J-BOX, HOSES AND EXTERNAL CONNECTIONS MUST BE REMOVED AND RE-CONNECTED THROUGH THE SUIT. MOVE THE ARM TO ITS "HOME" POSITION.
3. EACH SUIT IS MADE UP OF THREE (3) PIECES; WRIST/UPPER ARM, SHOULDER AND LOWER ARM. IDENTIFY THEM AND OPEN ALL ZIPPERS AND VELCRO SEAMS.
4. INSTALL THE SHOULDER PIECE WITH THE CABLE COVER "GOOSENECK" ON TOP ALIGNED TOWARD THE MATING VELCRO ON THE LOWER ARM PIECE (STEP 5). MAKE SURE THE JOINT 3 CUFF CLEARS THE HARD STOP AND CLOSURES AROUND J3 AND IS FREE TO ROTATE. CLOSE THE OTHER CUFF AROUND JOINT 4. ALL OEM MOUNTING LOCATIONS CAN BE ACCESSED THROUGH THE ARM, SHOULDER AND FRONT IF "CROSSHAIR" CUTS ARE CAREFULLY MADE TO THE VELCRO ATTACHED ACCESS PANELS OR THROUGH THE REAR CABLE ENTRY "GOOSENECK."
5. INSTALL THE LOWER ARM SUIT. LOCATE THE JOINT 3 OPENING AND BEGIN INSTALLING FROM THIS POINT WITH THE CUFF OVERLAYING THE SHOULDER CUFF. CLOSE THE ZIPPER AND VELCRO SEAMS AT THE CABLE GOOSENECK AND AT THE JOINT 2 BELLOWS. NOTE: THE FOLDS AT THE WAIST (J2) ARE STABILIZED WITH ELASTIC CORD--ADJUST IF REQUIRED. PLACE THE TUBE-SHAPED POCKET OVER THE HARD STOP AT AXIS 2 THEN ZIP TIE THE POCKET TO SECURE IN PLACE.
6. INSTALL THE WRIST/UPPER ARM PIECE WITH THE ZIPPER/VELCRO FACING DOWNWARD. ALIGN AND CLOSE THE VELCRO BELLOWS. SECURE THE CUFF BEHIND THE TOOL FLANGE, AND IN FRONT OF JOINT 4, WITH THE SUPPLIED CLAMPS. THE "GOOSENECK" CAN BE USED FOR CABLE EGRESS, COOLING, OR IT MAY BE CLAMPED CLOSED (IF NOT REQUIRED IN YOUR APPLICATION).
7. SLOWLY MOVE THE ROBOT ARM TO CHECK FOR FIT AND OBSTRUCTIONS.

SHOULD YOU HAVE ANY QUESTIONS, PLEASE CONTACT ROBOWORLD.