



ROBOSUIT™ INSTALLATION INSTRUCTIONS FOR THE FANUC M20ia AND ARC MATE 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.
3. MOVE THE ARM TO ITS "HOME" POSITION.
4. 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.
5. INSTALL THE SHOULDER PIECE WITH THE CABLE COVER "GOOSENECK" ON TOP ORIENTED TOWARD THE MATCHING VELCRO ON THE LOWER ARM PIECE (STEP 6). MAKE SURE THE JOINT 3 CUFF CLEARS THE HARD STOP, CLOSURES AROUND J3, AND ROTATES FREELY. CLOSE THE CUFF AROUND JOINT 4. ALL OEM MOUNTING LOCATIONS CAN BE ACCESSED THROUGH THE ARM, SHOULDER AND FRONT IF "CROSSHAIR" CUTS ARE CAREFULLY MADE IN THE VELCRO ACCESS PANELS (OR THROUGH THE REAR CABLE ENTRY "GOOSENECK".)
6. INSTALL THE LOWER ARM. LOCATE THE JOINT 3 OPENING AND BEGIN INSTALLATION FROM THIS POINT. THE LOWER ARM CUFF OVERLAYS THE SHOULDER CUFF. CLOSE THE ZIPPER AND VELCRO SEAMS AT THE CABLE GOOSENECK AND AT THE JOINT 2 BELLOWS. NOTE: THE BELLOWS AT THE WAIST (J2) ARE STABILIZED WITH ELASTIC CORD. ADJUST AS REQUIRED. PLACE THE TUBULAR POCKET OVER THE HARD STOP AT AXIS 2 THEN ZIP TIE THE POCKET IN PLACE.
7. INSTALL THE WRIST/UPPER ARM PIECE WITH THE ZIPPER/VELCRO FACING DOWN. ALIGN AND CLOSE THE VELCRO FOLDS. SECURE THE WRIST 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.
8. SLOWLY MOVE THE ROBOT ARM TO CHECK FOR FIT AND OBSTRUCTIONS.

SHOULD YOU HAVE ANY QUESTIONS, PLEASE CONTACT ROBOWORLD.