



ROBOSUIT™ INSTALLATION INSTRUCTIONS FOR THE FANUC M20iD ROBOT (AND VARIANTS)

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 FIVE (5) PIECES; UPPER ARM, SHOULDER, LOWER ARM, J1 SERVOMOTOR COVER (TEFLON) AND STATIONARY BASE COVER. COMPONENTS ARE LABELLED ON THE MANUFACTURING TAG LOCATED INSIDE EACH COVER. IDENTIFY EACH AND OPEN ALL ZIPPERS AND VELCRO SEAMS.



4. INSTALL THE STATIONARY BASE COVER FIRST. WRAP THE COVER AROUND THE BASE CASTING ALIGNING IT AROUND THE CIRCULAR J1 CASTING. CLOSE THE VELCRO SEAM.
5. INSTALL THE J1 SERVOMOTOR COVER. IT IS COMPOSED OF GRAY TEFLON AND BLACK MESH.



6. IF YOUR ROBOSUIT WILL BE PRESSURIZED, INSTALL THE PRESSURIZATION BRACKET/BARB UTILIZING THE PERIPHERAL MOUNTING HOLES AT THE BACK OF THE LOWER ARM CASTING.



7. INSTALL THE SHOULDER COVER. THE LARGER PLASTIC RING FITS INTO THE GAP AT J3 (BE CERTAIN ONCE INSTALLED THAT THE RING CLEARS THE J3 HARDSTOPS ON THE ROBOT CASTING). THE SMALLER RING (OR TEFLON CUFF IF OPTIONED) IS ORIENTED ALONG THE UPPER ARM. CLOSE VELCRO & SNAPS AROUND OEM CABLING TO LOWER ARM. CLOSE REMAINING SEAMS.



8. INSTALL THE LOWER ARM COVER. ORIENT THE COVER SO THAT THE ZIPPER RUNS ALONG THE SIDE OF THE ARM (PARALLEL TO THE OEM CABLING). LOCATE THE PLASTIC JOINT 3 (RING) AND BEGIN INSTALLATION FROM THIS POINT BY INITIALLY LOOPING THE PLASTIC RING OVER AND AROUND



THE J3 RING OF THE SHOULDER FOR SUPPORT. MATE VELCRO ON RING. WRAP OEM CABLING, CONNECT CABLE COVER AT SHOULDER AND CLOSE REMAINING VELCRO & SNAP CLOSURES. THE LOWER ARM OVERLAPS THE STATIONARY BASE COVER IN THE PLANE OF J1.



9. INSTALL THE UPPER ARM PIECE. THE BELLOWS SHOULD BE POSITIONED OVER THE WRIST. THE J4 RING OVERLAPS THE SHOULDER J4 RING (TEFLON OVERLAP OVER THE SHOULDER CUFF (IF OPTIONED)). ROTATE THE SLEEVE SO THAT THE ZIPPER FACES DOWNWARD. ALIGN AND CLOSE THE VELCRO BELLOWS. SECURE THE UPPER ARM COVER USING THE CLAMP PROVIDED DISTAL TO J4 AND AT THE TOOL FLANGE (ON THE ROBOT YELLOW CASTING).





10. ALL OEM PERIPHERAL ACCESS LOCATIONS CAN BE ACCESSED THROUGH THE ARM, SHOULDER AND UPPER ARM IF INCISIONS ARE MADE THROUGH THE VELCRO ATTACHED PANELS.
11. SLOWLY MOVE THE ROBOT ARM TO ALLOW IT TO SETTLE/SEAT INTO POSITION.
12. CHECK FOR FIT AND OBSTRUCTIONS.

IF YOU HAVE ANY QUESTIONS, PLEASE CONTACT US.

