



ROBOSUIT™ INSTALLATION INSTRUCTIONS FOR THE FANUC R1000iA SERIES ROBOT

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

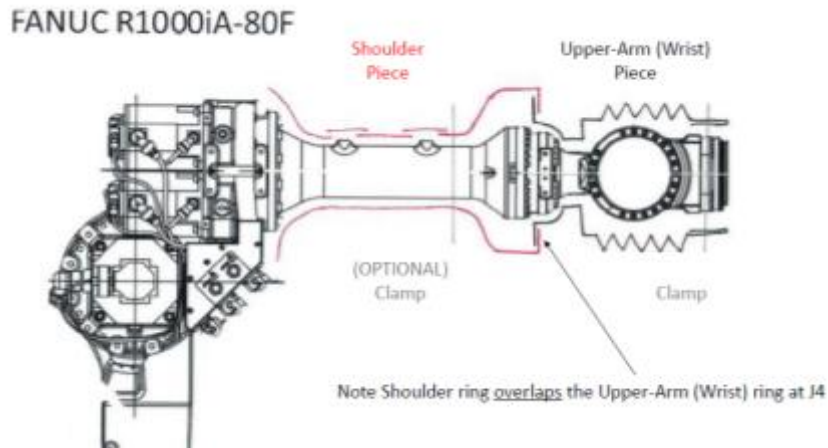
DISCONNECT ANYTHING THAT WILL INTERFERE WITH INSTALLATION. VALVE PACKS AND EXTERNAL CONNECTIONS MUST BE REMOVED AND RE-CONNECTED THROUGH THE SUIT. END-OF-ARM TOOLING NEED NOT BE REMOVED.

MOVE THE ARM TO ITS “HOME” POSITION.

A STANDARD SUIT IS COMPOSED OF THREE (3) PIECES; WRIST, SHOULDER/UPPER ARM AND LOWER ARM/BASE. IDENTIFY EACH AND OPEN ALL ZIPPERS AND VELCRO SEAMS.

IF YOU HAVE AN OPTIONAL STATIONARY BASE COVER (4TH PIECE), INSTALL IT NOW. MAKE SURE THE LIMIT SWITCH IS NOT DISABLED. THERE IS A POCKET SEWN INTO THE BASE COVER WHICH WILL SIT ATOP THIS LIMIT SWITCH

1. **INSTALL THE WRIST** PIECE WITH VELCRO SEAM FACING DOWNWARD. OPEN THE PLASTIC RING AND LOCATE TOWARD THE REAR OF GAP AT J4 (SEE FIGURE-1 BELOW). ALIGN AND CLOSE EACH VELCRO FOLD ALONG THE UNDERSIDE OF THE BELLOWS SECTION. CLOSE THE ZIPPER/VELCRO SEAMS. USING ONE CLAMP, SECURE THE WRIST CUFF TO THE J6 TOOL FLANGE (PROXIMAL TO THE ROTATIONAL PLANE).



(FIGURE-1)

2. **INSTALL THE LOWER ARM PIECE.** OPEN THE PLASTIC SLIP RING (AT J3), AND POSITION THE RING IN THE GAP AT J3. IT MUST REMAIN IN THE GAP (MEDIAL TO THE CABLE CLAMP ON THE SHOULDER). CLOSE THE RING. DRAPE THE BALANCE OF THE LOWER ARM AROUND THE ROBOT. BEGINNING NEAR THE RING, CLOSE THE ZIPPERS VELCRO SEAMS AND SNAPS.

(CONTINUED, PAGE-2)



3. **INSTALL THE SHOULDER/UPPER ARM** PIECE WITH THE CABLE COVER IN PLACE. THE RING AT J3 WILL MATE TO THE RING AT J3 ON THE LOWER ARM PIECE. MAKE SURE THE JOINT 3 PLASTIC SLIP RING OF THE SHOULDER OVERLAPS THE LOWER ARM RING. THE TORQUE TUBE SECTION OF THE UPPER ARM FEATURES A RING AT J4. THE SHOULDER RING OVERLAPS THE WRIST (SEE FIGURE-1 ABOVE). CLOSE THE UPPER ARM ZIPPERS.

4. **RECONNECT ANY HARDWARE**, DRESS PACKS, CABLE CLAMPS, (ETC.) TO THE ROBOT THROUGH THE VELCRO-ATTACHED ACCESS PANELS LOCATED ON THE UPPER ARM, SHOULDER AND FRONT PANELS (AS REQUIRED). MAKE "CROSSHAIR" CUTS INTO THESE ACCESS PANELS, REATTACH TO SUIT, AND PASS CONNECTING HARDWARE THROUGH THE PANELS.

5. SLOWLY **JOG THE ROBOT** TO CHECK FOR FIT AND OBSTRUCTIONS.

SHOULD YOU HAVE ANY QUESTIONS, PLEASE CONTACT ROBOWORLD AT THE TELEPHONE NUMBERS LISTED BELOW, OR AT INFO@ROBOWORLD.COM.

ROBOWORLD LLC; 01/15