



## **ROBOSUIT™ INSTALLATION INSTRUCTIONS FOR THE DENSO VS-SERIES ROBOT**

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

DISCONNECT ANYTHING THAT WILL INTERFERE WITH INSTALLATION.

MANEUVER THE ROBOT TO ITS HOME POSITION.

OPEN ALL SUIT SEAMS, ZIPPERS AND SNAPS.

EACH SUIT IS MADE UP OF THREE (3) PIECES. AN (OPTIONAL) BASE COVER FOR THE RISER MAY BE ORDERED.

1. INSTALL THE BASE COVER WITH THE VELCRO PANEL REMOVED. PASS THE CABLES AND AIR LINES THROUGH THE FLAP PROTECTED OPENING AND CONNECT TO THE ROBOT. CLOSE THE ZIPPER AND SECURE THE VELCRO PANEL.
2. INSTALL THE LOWER ARM PIECE (JOINT 2 HAS A LARGER DIAMETER THAN JOINT 3). CLOSE THE VELCRO SEAM. ENSURE BOTH JOINTS ARE ALIGNED. JOINT 3 FEATURES AN INTERIOR LOCK.
3. INSTALL THE SHOULDER PIECE. MAKE SURE THE PLASTIC COLLAR OVERLAPS THE JOINT 3 LOWER ARM FLANGE. THE COVER MAY BE CLAMPED TO THE ARM IN FRONT OF JOINT 4 (IF DESIRED). CLOSE THE ZIPPER AND SECURE THE PANEL.
4. WITH THE PENDANT IN JOINT MODE, SLOWLY MOVE ALL AXES (J1 THROUGH J6) AT NO MORE THAN 25% SPEED WHILE OBSERVING THE ARM FOR ANY SUIT MISALIGNMENT. SILICONE OR WD-40 MAY BE USED TO LUBRICATE THE J2 AND J3 OVERLAP IF DESIRED.

SHOULD YOU HAVE ANY QUESTIONS, PLEASE CALL ROBOWORLD.