Complex Fault Clearing (DCS Faults)

When a DCS fault has occurred, follow these steps to recover and get the robot back into production mode.

**Step 1)** Using the key from the AM office, unlock the teach pendant and controller black keys from the cage. At the controller use one of the black keys to turn the controller from **AUTO** mode to **T1**. Then turn the switch on the teach pendant from **OFF** to **ON**.

**Step 2)** Press the **MENU** button, scroll down to **NEXT** and press **ENTER.** Now scroll down to **SYSTEM** and cursor over to **DCS** using the **RIGHT ARROW** and press **ENTER**. If you do not see that option in the **MENU** press the **FCTN** button, arrow over to the **QUICK/ FULL MENU** and press **ENTER** to enable Full Menu access.

**Step 3)** Press the **NEXT** button and press **F5** for VIEW. This will give you a top down illustration of the robot and the affected DCS zone causing the fault.

**Step 4)** Once you are viewing the affected DCS zone you will need to press and hold the **DEADMAN** switch in the middle position, press and hold the **SHIFT** button and press and release the **RESET** button. **DO NOT** release the **SHIFT** button or the DCS fault will come back.

**Step 5)** At this point you will need to jog the robot in the opposite direction of the DCS fault meaning, if the DCS fault is in the LEFT work cell you will need to jog the robot in **+X** direction and the **–X** if the DCS fault is in the RIGHT work cell until the robot has left the affected DCS zone.

**Step 6)** Once the robot is clear and in a safe position, press the **SELECT** button and scroll to line 36 (**HOMING**) program and press **ENTER**. Depress and hold the **DEADMAN** switch in the middle position, press and hold the **SHIFT** button and press the **FWD** button to run the program. **DO NOT** release the **SHIFT** button or the **DEADMAN** switch until the robot is in the **HOME** position.

**STEP 7)** You can now return the controller to **AUTO MODE** and turn the teach pendant to the **OFF** position. Now press the **MACHINE RESET** button followed by the **CYCLE START** button. You may be prompted to press the **COMPLETE ASSIGNMENT** soft key on the **HMI** at this time. Press the soft key and the robot should return to its home position.