

8. To continue installing software, press 1, and then press ENTER. You will see a screen similar to the following:

```
*** BOOT MONITOR ***           UD
Base Version VX.XXP/XX [Release X]
Multiple load Personalities Exist
0 Existing Personality
1 LR Mate 200iD, LR HandlingTool

Select >
```

9. Select your robot mechanical unit, software.

Note: Multiple personalities might be on the FANUC-supplied USB load media. **Do not choose "Existing Personality."**

10. During the time the software is loading, depending on the robot and options, the system might pause to request additional information relating to the robot or any additional axes. For example, the system might ask for the mount angle of the robot, the J1 motion range, or the payload. Make the appropriate selections, and continue.

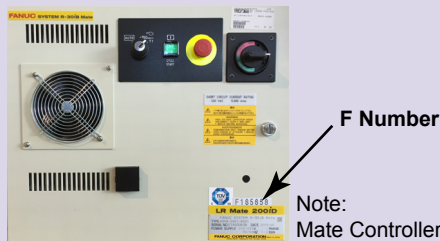
Note: It might take an additional 3-5 minutes to complete the software load after the robot library questions are completed.

At the end of software loading, you will see a screen similar to the following:

```
1/6
1 Robot No.: F345678
2 KAREL Prog in select menu: Yes
3 Remote device: UserPanel
4 intrinsically safe TP: NO
```

11. In the Robot No. field, press ENTER and type your robot's F Number. The F number is found near the controller nameplate.

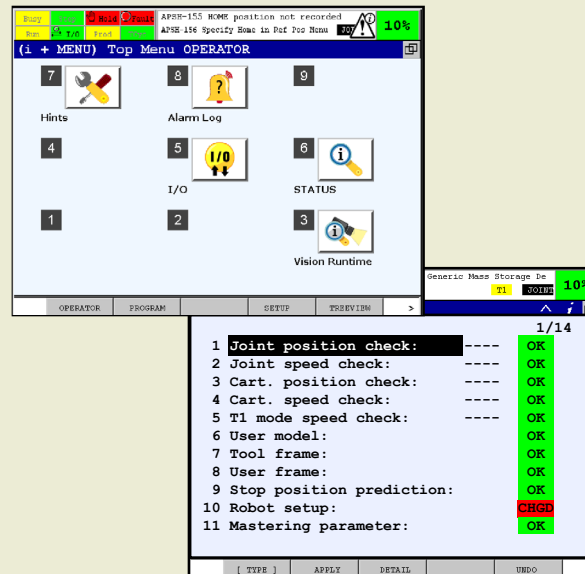
Note: To delete any existing characters in the field, hold the SHIFT key, and then press the right-arrow key.



12. Press FCTN, select START (COLD), and press ENTER.

Note: iPendant firmware may need to be updated when the Cold Start is initiated. If this occurs, do not power off while the firmware automatically updates.

13. When the Cold Start is complete, you will see a screen similar to one of the following two screens.



14. Enter the Mastering Counts. Locate the Factory Inspection Sheet you saved in step 2.

- Press MENU, then choose 0, NEXT, and select SYSTEM. Press F1 [TYPE], and select Variables.
- Move the cursor to \$DMR_GRP. (Hint: Shift-down arrow scrolls by page).
- Press ENTER twice.
- Move the cursor to \$MASTER_COUN, and press ENTER.
- Enter the master counts for all six robot axes as found on the Inspection Data Sheet.
- Press the Prev key, and then cursor to \$MASTER_DONE.
- Press F4, TRUE, to set this variable to TRUE if it is not already.
- Press F1, [TYPE], and select 3, Master/Cal.
- Select CALIBRATE, and then press F4, YES.

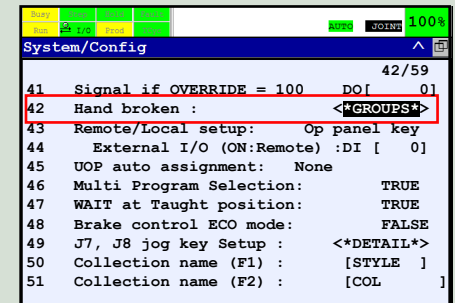
15. If your robot software includes DCS, you will need to apply the system changes as follows:

- Press MENU, then choose 0, NEXT.
- Select SYSTEM.
- Press F1, [TYPE] and then select DCS.
- Press F2, APPLY.
- Enter the default DCS code number (1111) or, if reloading DCS software, use safety administrator-supplied number.
- Press F4, OK.
- Cycle power as prompted.

Note: Depending on your robot and cell configuration, some alarms may need to be reset before the robot can be used. Some of these alarms are addressed in Steps 16 and 17. For more information on how to reset these and other alarms, refer to the **For more information** section of this guide (Page 1).

16. If this is a new robot that is not using a hand broken device for the End of Arm Tooling (EOAT), you must disable the hand broken check (error **SRVO-006 Hand Broken**). To do this:

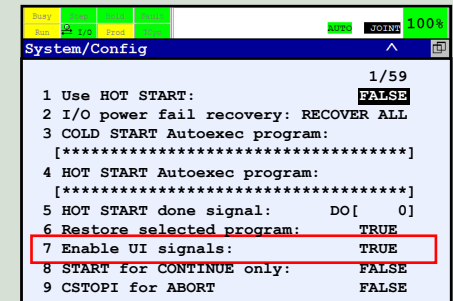
- Press MENU, select 0, NEXT, select SYSTEM, then choose F1 [TYPE], and then select Config.
- Use the teach pendant arrow keys to move the cursor to the Hand broken option, and press ENTER.
- Press F5, DISABLE to disable the hand broken error.
- Press the PREV key to return to the top-level menu.



e. Press RESET.

17. If a fault condition persists, the software might be looking for certain inputs. If this occurs you must either provide the necessary inputs, or disable User Operator Signals (UOPs). If you are not using UOPs, you can disable them as follows:

- Press MENU, select 0, NEXT, select SYSTEM, and then select CONFIG.
- Use the teach pendant arrow keys to move the cursor to the Enable UI signals option.



- Press F5, FALSE, to set the option to FALSE.
- Press RESET.

Software installation is now complete. The system is ready for any setup, specific to your application, that might be required.