



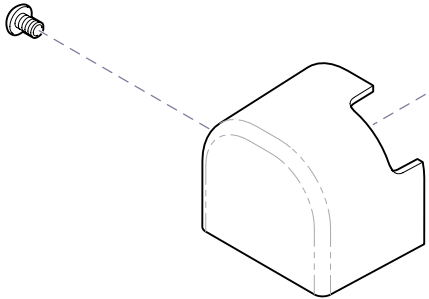
Position Sensor / Bracket Kits [002-0831-0x / 002-1247-0x]

Special Tools:
multimeter

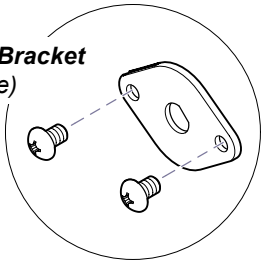
Attention
This guide applies to all variations of sensor / bracket kits.
(i.e. Sensor-only kit, Bracket-only kits, Bracket w/sensor kits)

Step 1: Move the corresponding function to its upper limit.
Example: If changing the back sensor, move the Back function all the way up.

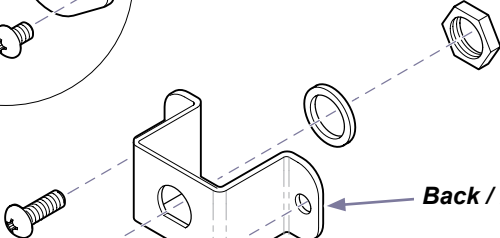
Step 2: Remove sensor cover
(or shrouds for base sensor).



**Base Sensor Bracket
(old-style)**



Step 4: Remove bracket / sensor.
Remove sensor from bracket.
Note: Old-style brackets (shown) should be discarded, and replaced with new-style (see next page).



**Back / Foot / Tilt Sensor Bracket
(old-style)**

Step 3: Tag wires, then disconnect sensor harness.



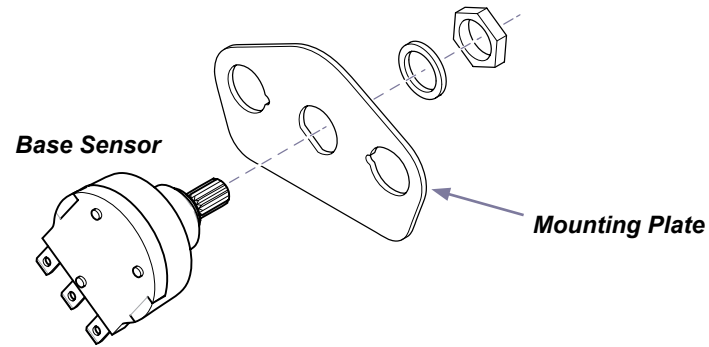
MA657100i

Step 5: Secure sensor to bracket.

To assemble BASE sensor to bracket...

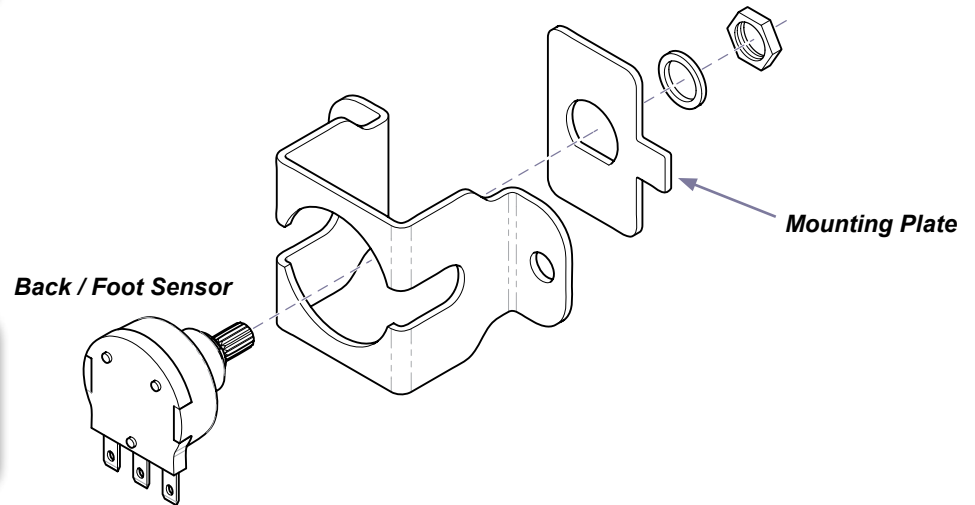
- A) Position sensor & mounting plate as shown.
- B) Secure with washer & nut.

Note: The sensor must be positioned as shown. If the angle of the sensor does not match the illustration, flip the mtg. plate over.



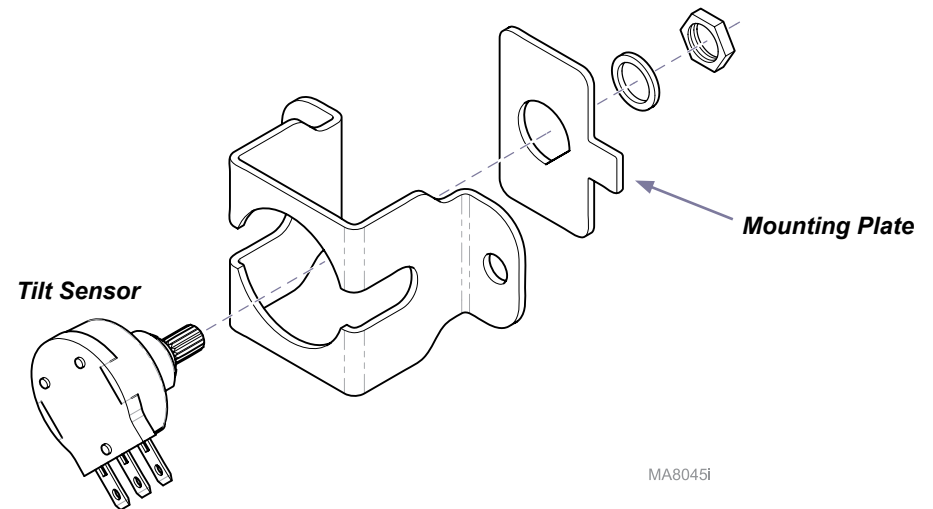
To assemble BACK / FOOT sensor to bracket...

- A) Position mounting plate in bracket as shown.
- B) Insert sensor thru bracket / mtg. plate.
- C) Secure with washer & nut.



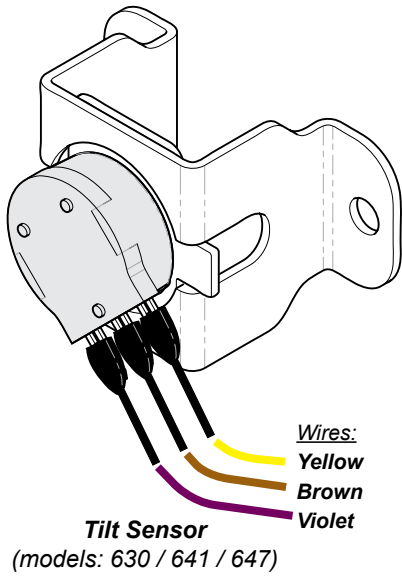
To assemble TILT sensor to bracket...

- A) Position mounting plate in bracket as shown.
- B) Insert sensor thru bracket / mtg. plate.
- C) Secure with washer & nut.

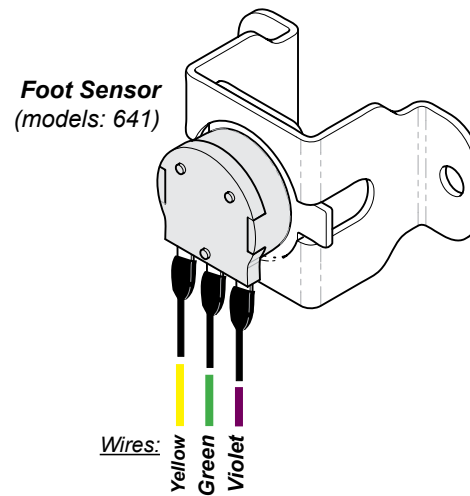
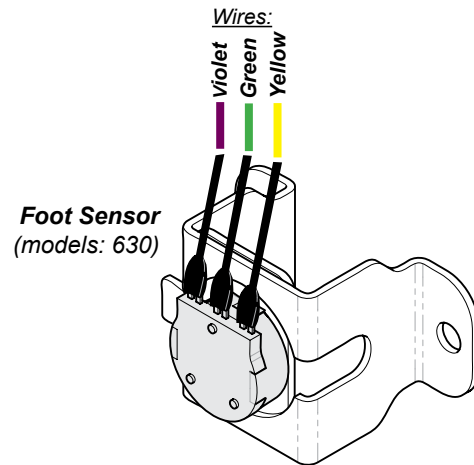
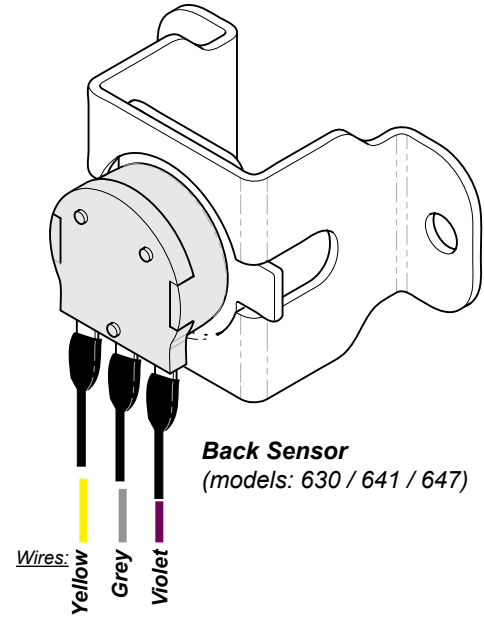
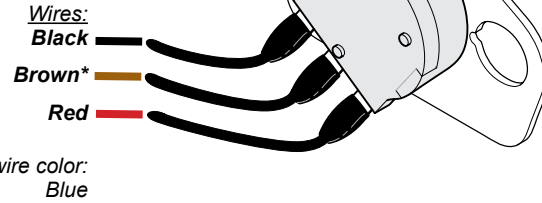


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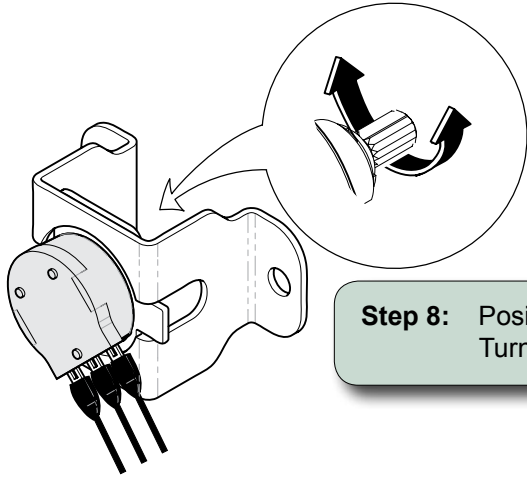
Step 6: Connect wire harness to proper terminals.



Base Sensor
(models: 630 / 641 / 647)

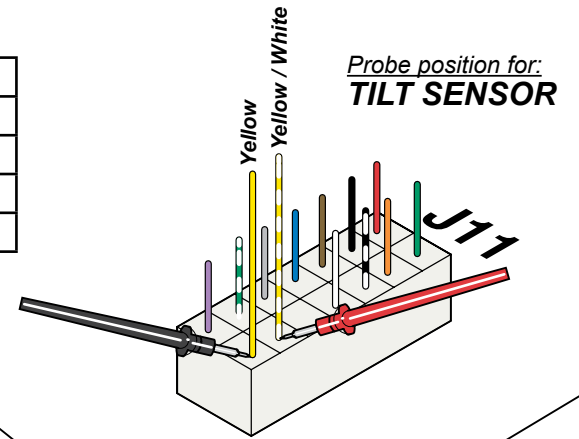


Step 7: Remove main PC board cover.
Place meter probes as shown to test desired sensor.

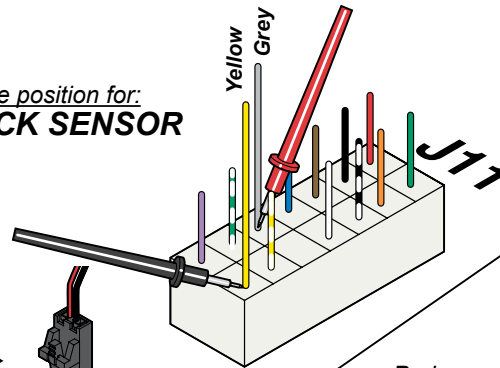


Sensor	Function Position	Voltage Reading
BASE	all the way UP	1.7 to 2.1 VDC
BACK	all the way UP	2.4 to 2.6 VDC
TILT	all the way DOWN	1.8 to 2.1 VDC
FOOT	all the way UP	2.4 to 2.6 VDC

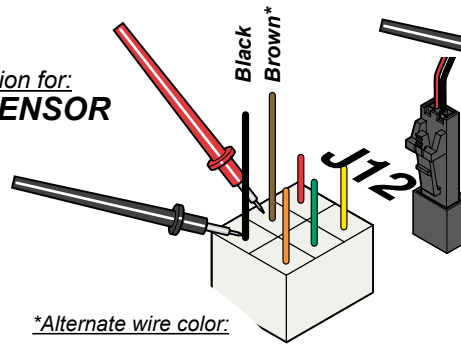
Step 8: Position table function as indicated in the chart.
Turn sensor knob until voltage reading is in the indicated range.



Probe position for:
BACK SENSOR

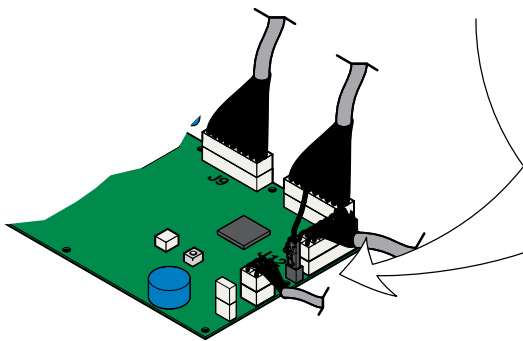
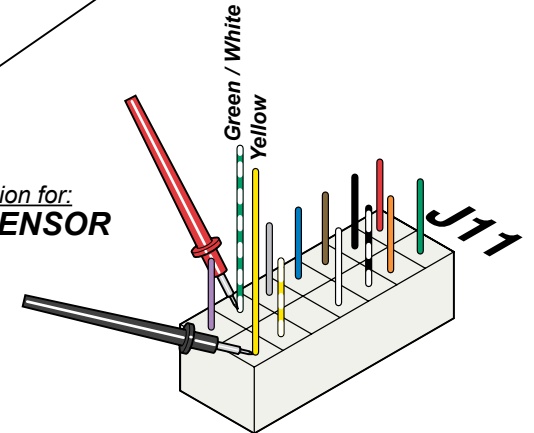


Probe position for:
BASE SENSOR



**Alternate wire color:*
Blue

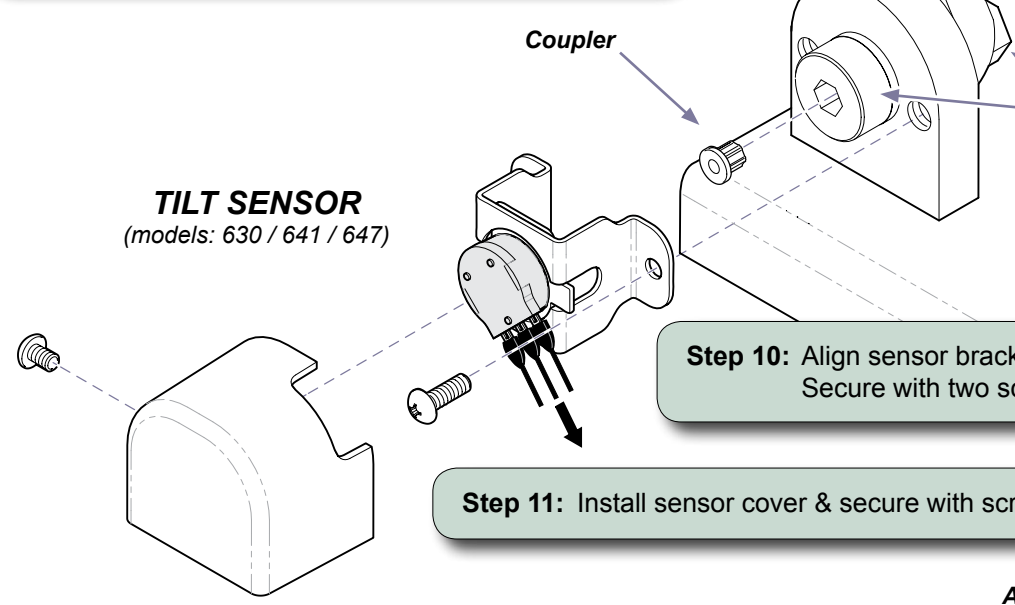
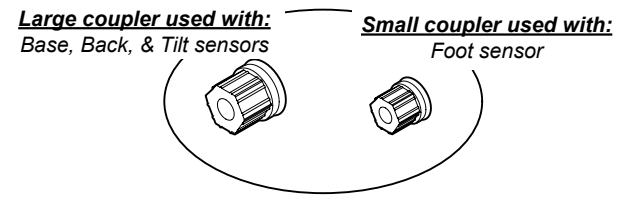
Probe position for:
FOOT SENSOR



MA8060i

Step 9: Remove old coupler.
Install **new** coupler.

*Note: Some kits include two couplers.
The large coupler is used for the Base / Back / & Tilt sensors.
The small coupler is used for the Foot sensor.*

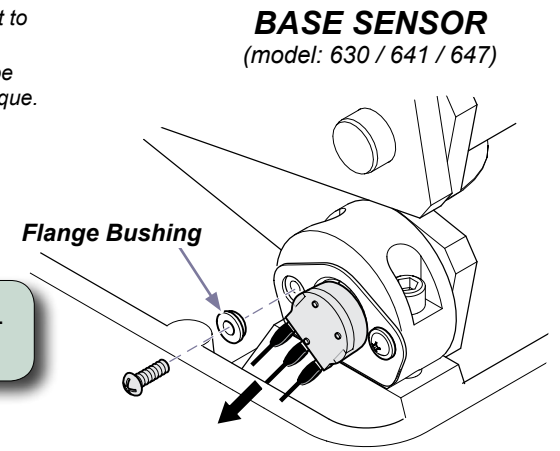


Step 10: Align sensor bracket with mounting holes.
Secure with two screws.

Step 11: Install sensor cover & secure with screws.

ATTENTION:

- Lock nut must be tight to 33 ft/lbs of torque.
- Shoulder bolts must be tight to 55 ft/lbs of torque.



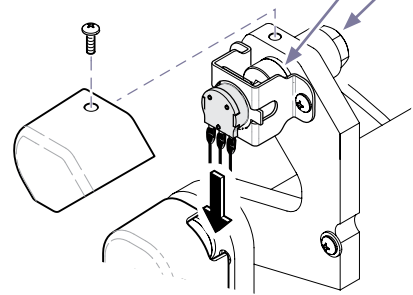
ATTENTION:

- Lock nut must be tight to 20 ft/lbs of torque.
- Shoulder bolts must be tight to 33 ft/lbs of torque.

BACK SENSOR
(models: 630 / 641 / 647)

ATTENTION:

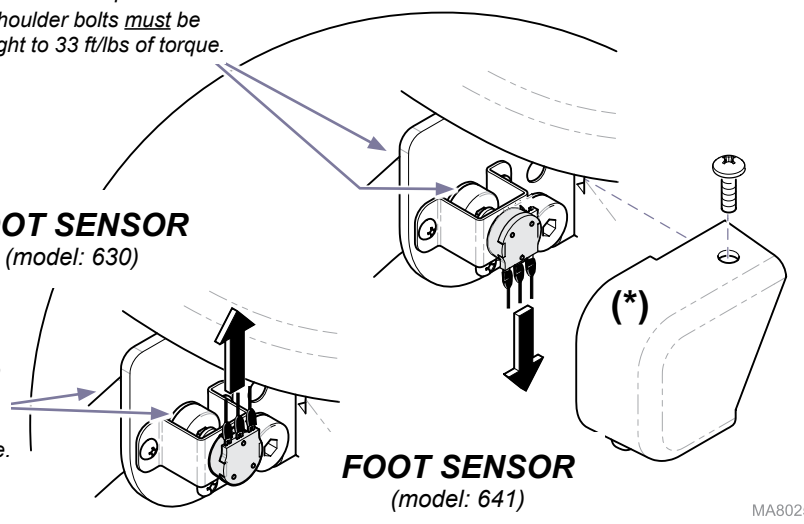
- Lock nut must be tight to 33 ft/lbs of torque.
- Shoulder bolts must be tight to 55 ft/lbs of torque.



FOOT SENSOR
(model: 630)

ATTENTION:

- Lock nut must be tight to 20 ft/lbs of torque.
- Shoulder bolts must be tight to 33 ft/lbs of torque.





Equipment Alert

Anytime a position sensor is removed, you **must** calibrate the PC board. Failure to do so will cause the table to malfunction.

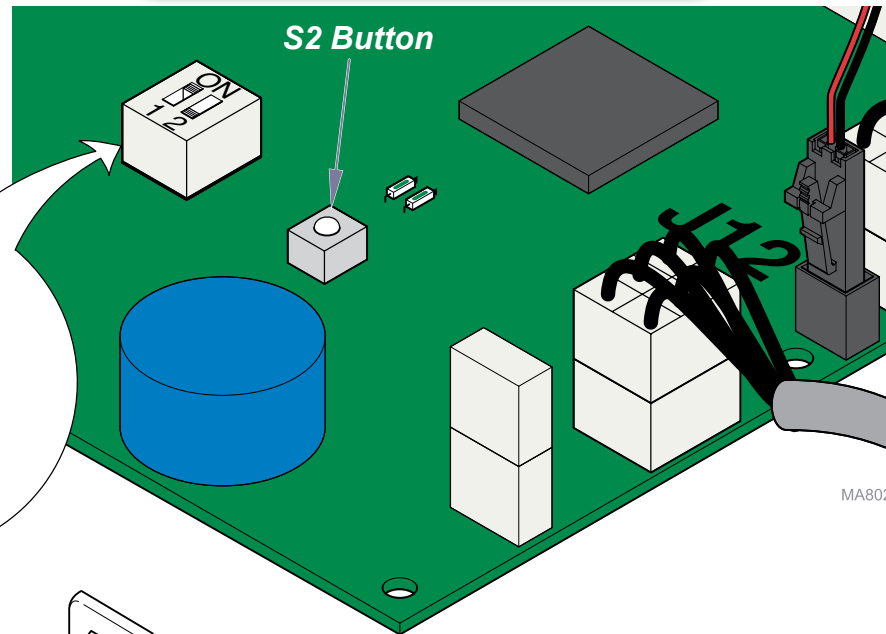
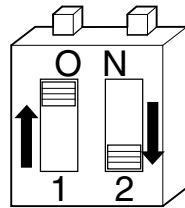
Step 12: Perform the **Calibration Procedure**.

Calibration Procedure

Step 3: Wait 5 seconds, then press S2 button.

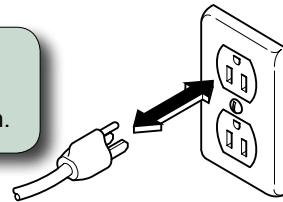
Calibration Procedure

Step 1: Move MODE SELECT switches:
Switch 1 - ON (up)
Switch 2 - OFF (down)



Calibration Procedure

Step 2: Unplug table (to reset PC board).
Wait 5 seconds, then plug table back in.



Calibration Procedure

Step 4: Move MODE SELECT switches back to original position.
Unplug table (to reset board).
Plug table in and check for proper operation.