

Devantech Sensor Turret Errata

We have just completed re-engineering the sensor turret so that it is more compact, and allows for easier on/off mounting of the servo. This sheet details the differences in the parts list and construction.

Use this errata with the accompanying Servo Sensor Turret documentation.

Step 1. Follow instructions as per the documentation. (Mounting hardware purchased separately.)

Step 2, 3. The bracket comes pre-assembled. These steps can be skipped.

Step 4. You may now do this step last.

Step 5. Skip.

Step 6. Place the #4 thin washer over one of the mounting holes on your ultrasonic sensor. The washer goes on side with the transducers. Insert a screw through the washer and board. On the other side, place a rubber grommet. Repeat the above for the other mounting hole. Finish by inserting the two screws through the module mounting plate. Secure with the two 4-40 nylon insert lock nuts. Note that the ultrasonic sensor board is design to "float" on the module mounting plate, cushioned by the two rubber grommets.

Finally, secure the turret to the servo. See Step 4 for details.

Revised Parts List

Servo

Quantity	Description
1	Servo with universal plug
1	Black servo horn screw

Bracket

1	Double-arm servo horn
1	ABS plastic servo horn mounting plate
1	ABS plastic sensor module mounting plate
2	Metal angle brackets
4	4-40 recessed hex nuts
4	4-40 x 1/4" machine screws
2	6-32 x 1/4" nylon machine screws
2	6-32 nylon hex nuts

Sensor Mounting Hardware (Ultrasonic)

2	4-40 x 1/2" steel machine screws
2	#4 washers (thin)
2	Rubber grommets
2	4-40 nylon insert locking hex nuts

Sensor Mounting Hardware (Infrared)

2	4-40 x 1/2" steel machine screws
2	#4 washers (thin)
2	4-40 hex nuts

(Optional) Servo Mounting Hardware

4	Nylon standoffs, tapped for 4-40 threads
8	4-40 x 1/2" steel machine screws
4	Washers (optional, use as needed)
1	Dual Lock strip