

What is not included: *These items will cost between \$30 and \$60 depending upon what you choose. [Everything can be purchased at Home Depot.]*

1. Hot glue (waterproofing connections)
2. Solder (we recommend 60/40 Rosin Core Solder in .032" (0.08mm) diameter)
3. Loctite or JB Weld (for attaching propellers)
4. PVC about 15 feet of ½", 4 feet of 2" PVC plus end caps and maybe 30 connectors (tees, elbow, etc.) ~ \$15 (if you would like to order colored PVC, we ordered it from Simplified Building Concepts. It is about \$1/foot, connectors are expensive. See <http://www.simplifiedbuilding.com/blog/color-furniture-grade-pvc-fittings-now-available/> It is a special order. Allow for extra time and patience if you order colored PVC.
5. If you chose to order colored PVC and connectors you will want sheet metal screws to hold the frame together. The colored PVC connections are a little loose. [Large Diameter (truss) Head Screw For Sheet Metal, 18-8 SS, Phillips, No. 6 Size, 1/4" Length] White PVC does not need screws.
6. Ballast. We used stainless steel threaded rod (SKU # 286884). This is an expensive option but will not rust. You could spend \$25 on this. But there are many other options such as spray painting rebar. We insert this into the bottom of the frame to add stability.
7. Brackets to hold PVC ballast if you use 2" PVC for buoyancy (you can buy them at Home Depot - SKU # 181747). They come in packages of 5. Large zip ties will work too.
8. Assorted cable ties (about 12 small ones are needed to secure cables in the control box, others and different sizes may be needed to secure other items)
9. No hydraulic tools for the ROV are included such as air tubing, syringes, etc.
10. No sensors: temperature or lights (however we include the cable (Cat 5e) in the kit to make it easy to add them to the ROV)
11. No shrouds for motors are included (we used NDS 4 in. Styrene Drain Grate Model # 9110 from Home Depot in the photo).