

EARTH



Environmental Engineering

Working solutions
for a better tomorrow

It is finally here! The E2010 Eco-friendly car wash kit by E3 is portable, fun and easy use! The innovative E2010 kit is designed to make washing cars more fun and safer for our environment. The kit is designed around three major components which include, four *Watershed innovations Hydra Barriers*, a *Ridgid Shop Vacuum*, and a *Pacific Hydrostar Submersible Pump*. The E2010 kit was designed using the most environmentally safe products we could find. Materials Such as Lead free hoses, reusable *Hydra barriers*, and Bio-degradable soaps are a few great examples of our commitment to produce an eco-friendly kit that will provide for an environmentally safe car wash!

The *Hydra Barriers* are constructed of robust vinyl material that provides an efficient barrier that is both easy to set up and store. The *Hydra Barriers* will be the first and most important items that are set up. Remove the *Ridgid Vacuum* lid and unroll the *Hydra barriers*.



Although they are industrial strength, remember to Place the *Hydra Barriers* in a convenient location out of the way of traffic and pedestrians. The Barriers work great for diverting water but can tear or break if used as a speed bump or misused other than directed. **The area in which the barriers are placed must be swept** of any and all debris including gravel, sticks, and leaves. Placement of the barriers should be towards the lowest point of

the parking lot or area in which you are working. Momentarily run the hose to see which way the dirty water will flow during the car wash. Once the low point is determined, place the *Hydra Barriers* reasonable spot on the ground, making a quarter-round or moon shaped barrier, butting the ends together as needed, to create an extended barrier, or collection area. Next, to fill the barriers, unscrew the cap and remove the plug. Screw hose to the *Hydra Barrier* and fill only two-thirds of the way with water. Remember to place the *Hydra Barriers* on the ground in place, before you fill them, to prevent any damage or tears to the barriers, **never drag the barriers**. Place the plug and the cap back on to the barrier and you are done. It is that easy! The kit consists of four *Hydra barriers*, each are six feet long, and can be butted together to make a water barrier of up twenty-four feet.

The *Ridgid Shop Vacuum* has a 5.0 horse powered motor and can hold up to 12 gallons of water which makes for a perfect component to this kit. If you have not already done so, remove the lid to start the set-up for the Vacuum. Clean



The E2010 product manual and set-up instructions

out of all cords, hoses and fittings found in the vacuum bucket, leaving the sump pump in place. **Never try to remove the Pump!** The sump pump should be the only component left in the bucket. Next, connect the vacuum hose to the inlet located on the same side as the On/Off switch. Be sure to place the vacuum and its cords on the outside of your barrier and on an uphill slope so that if any water does penetrate the barrier the cords will not get wet or be submerged in the water. **(Be sure that the plug stays dry and is never submerged in water, if it gets wet, unplug from the wall source, but never touch a plug with wet hands or if the plug itself is in water, this could result in serious injury!)**

Take the vacuum hose with attachment on the end and place it inside of the barrier facing the ground in the lowest most point of the barrier; this will be the spot where all of the water is collected.



The hoses provided with the kit are made lead free. Soft and Supple Swan products are made by the Colorite Plastics Co. right here in the US and we encourage you to use Eco-logical products such as this when you can find them. The short hose should be attached to the outlet on the vacuum and ran to a pervious area, such as a lawn, bushes, trees, or even a dirt area would work, but is not recommended. Extra hose can be attached for further distances, but we try to encourage you to **set up your carwash near a pervious area**. When finished, empty the Hydra Barriers and package everything back in the bucket the same way it was when before you took it all out. There are some delicate components, so rearrange the components as necessary so that the lid fits without having to force it on. If you have to force the lid on the bucket then you did not organize the components in the bucket correctly, in this case, or if you forgot how it all came out, please refer to the first picture in this brochure.

The E2010 **kit does not include bio-degradable car wash soap, sponge buckets, sponge(s) or the main hose for washing and rinsing the vehicle**. Bio-degradable soap is available in two very popular brands and found at any place that sells car washing soap. **Please use Bio-degradable soap only when washing cars!** The **kit does include a spray nozzle** to help regulate water, and all of the necessary components to reduce pollutants from entering our storm drains, which run to the nearest lakes and river, and the ocean. This kit not only provides a great sense of Environmental awareness, it will turn heads with its sleek design providing not only a clean car for them, a bigger budget for you and most importantly a great sense of eco-friendliness!

