Fish Finder Power Kit

Hobie® Kayaks w/ Transducer Cavity

Please read the instruction manual before using this product.

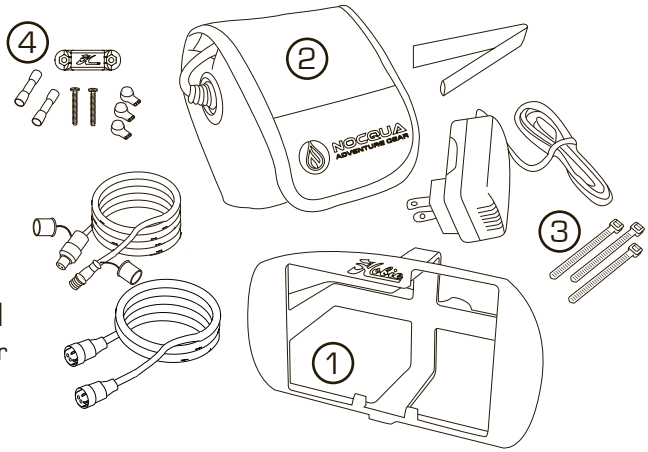
These instructions will guide you through the installation of the fish finder kit on your kayak. These are basic guidelines that will allow you to understand the kit, but keep in mind that all kayaks are slightly different and you can customize your installation in many ways.

Overview:

1. Review the contents and instructions
2. Mount the transducer
3. Run the transducer cable
4. Run the power cable and attach thru-hull plugs
5 Connect the power cable
7. Mount the battery holder and battery
8. Mount the fish finder head unit
9. Clean up and check connections
10. Charging instructions and maintenance

Parts

1. (1) 12V Battery Holder
2. (1) 12V Nocqua 10Ah Pro Power kit w/ 12' Component Cable and Wiring Components
3. (3) Wire Ties
4. Hobie Waterproof Wire Connectors



Tools Required

Phillips Screw Driver
3/8" Wrench
Pliers
Wire Stripping Tool
Heat Gun
*Some installations require a power drill with 1" or 1-3/8" hole saw

Downscan Transducers

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Review the contents of the kit and read the instructions before beginning the installation. The diagram shows all of the parts in this kit. Fish finder installation videos are available on Hobie's YouTube channel to help guide you through the installation process.

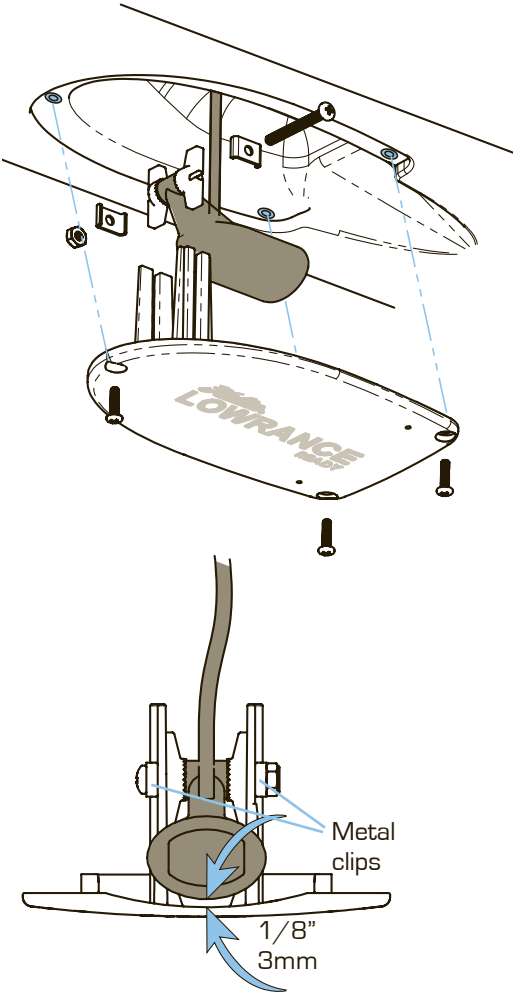
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Mount your transducer to the Lowrance Ready plate located on the underside of the kayak. You will need to remove the screws that attach the plate to the hull and then use the hardware that comes with your new Hobie kayak to install the transducer to the vertical mounting posts.

Note: Some transducers require the use of extension tabs or adapters to fit. Sidescan transducer installations on Passport or Lowrance Ready kayaks require an aftermarket mounting plate (see next page).

Once the transducer is installed, feed the transducer cable through the scupper hole and screw the plate back into place. You should now have the transducer cable accessible in the cockpit of the kayak.

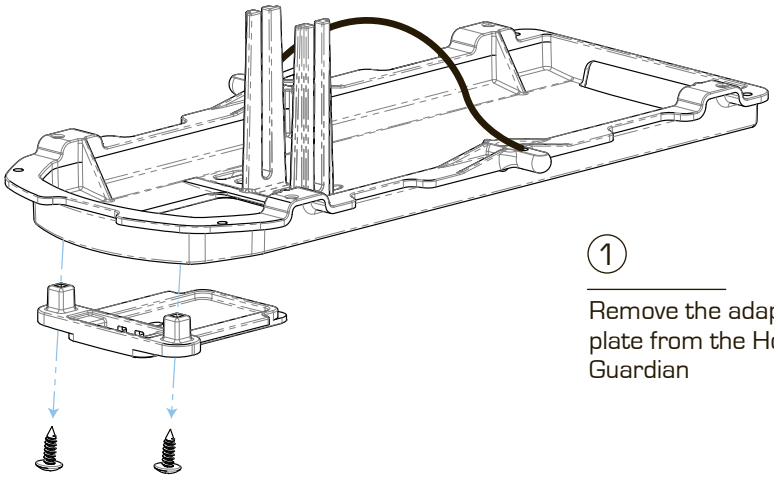
Note: Down imaging transducer installation on a Lowrance Ready, Guardian or Passport 12 kayaks follow the same steps.



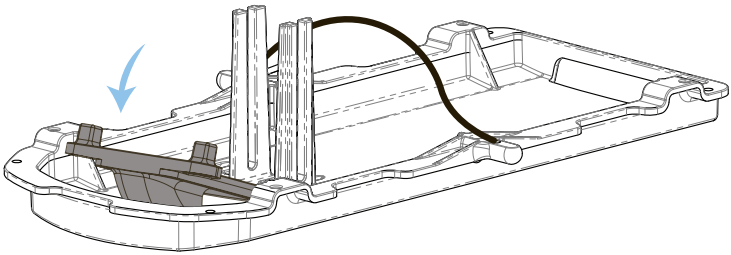
Side Imaging Transducers

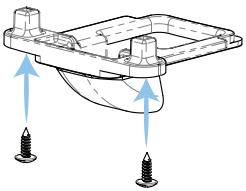
On Lowrance Ready kayaks, side scan transducer installation requires accessory plate (PN 72020220 suite TripleShot, PN 72020207 suits TotalScan)

On Passport 12, side scan transducer installation requires accessory plate (PN 72026219 fits TripleShot, PN 77800048 fits TotalScan).



① Remove the adapter plate from the Hobie Guardian

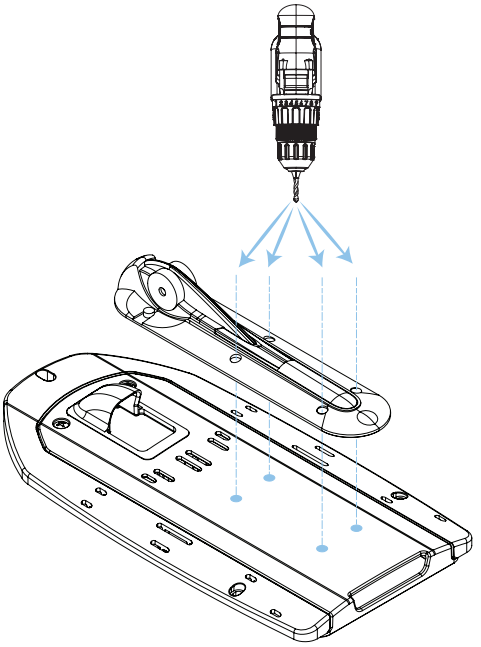




② Insert the transducer guard and install the fasteners from the bottom of the Guardian Plate.

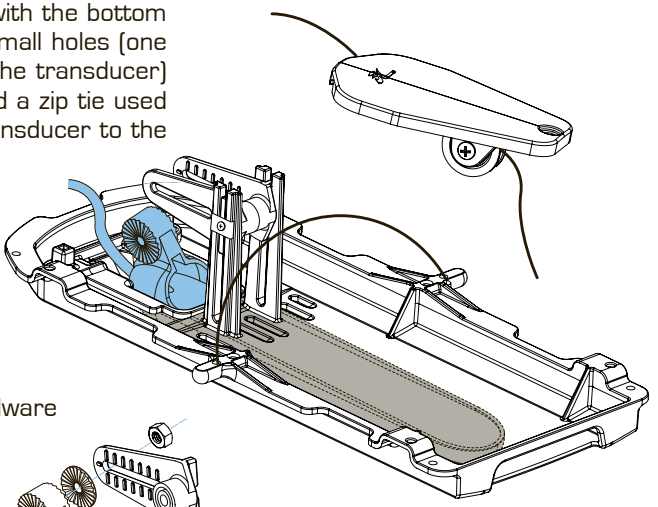
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For most side imaging transducers, we recommend using the mounting bracket included with your fish finder as a drill template for creating mounting holes in the Guardian plate.

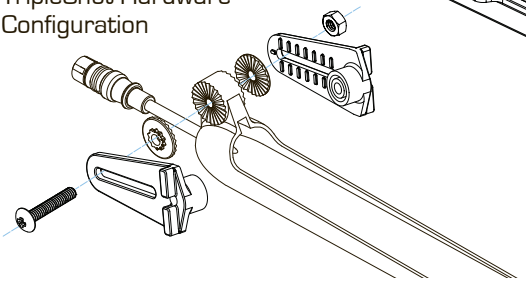


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Some side imaging transducers (ex. Lowrance TripleShot) will mount through the bottom of the transducer guard and to the post on the inside of the Guardian plate. For these units, refer to the "Skimmer" style Transducer installation. If the transducer is not sitting flush with the bottom of the shield, 2 small holes (one on each side of the transducer) can be drilled and a zip tie used to secure the transducer to the shield.

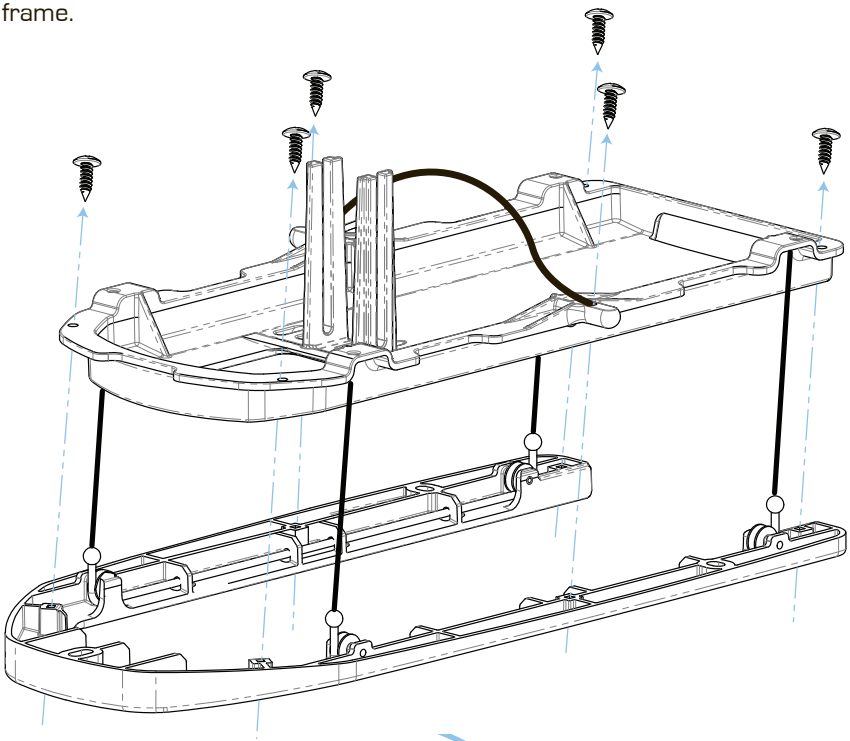


TripleShot Hardware Configuration



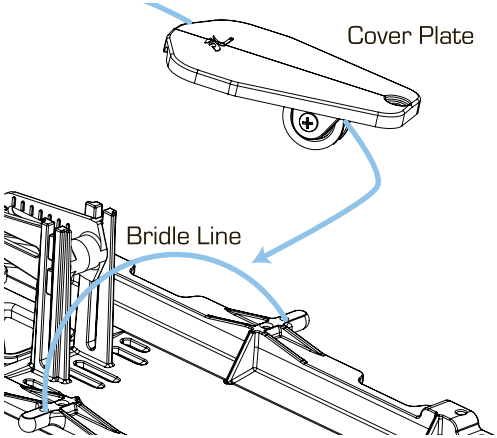
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After mounting your side imaging transducer to the Guardian plate, you can choose to activate its retraction feature. Remove the screws holding the mounting plate to the Guardian frame.



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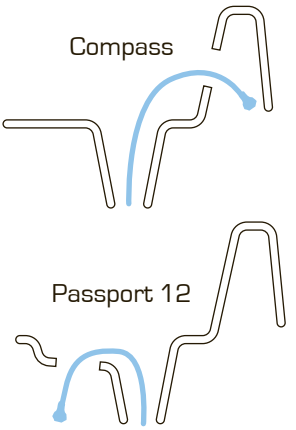
Untie knot securing the retraction line to the cover plate. Make sure the retraction line is routed over the top of the pulley from the wide end of the cover plate. Tie the retraction line to the center of the bridle line for up/down control.



Run the transducer cable

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On the Mirage Compass and Mirage Passport 12 models, use the appropriate sized hole saw to create an opening for your transducer cable thru-hull plug. A 1 3/8" hole is required for the 3-way plug, and a 1" hole is required for the 1-way plug. Compass thru-hull plug installs on the vertical fire wall above the transducer scupper hole; Passport 12 thru-hull plug installs in front of the transducer scupper hole, in the molded depression on the deck.



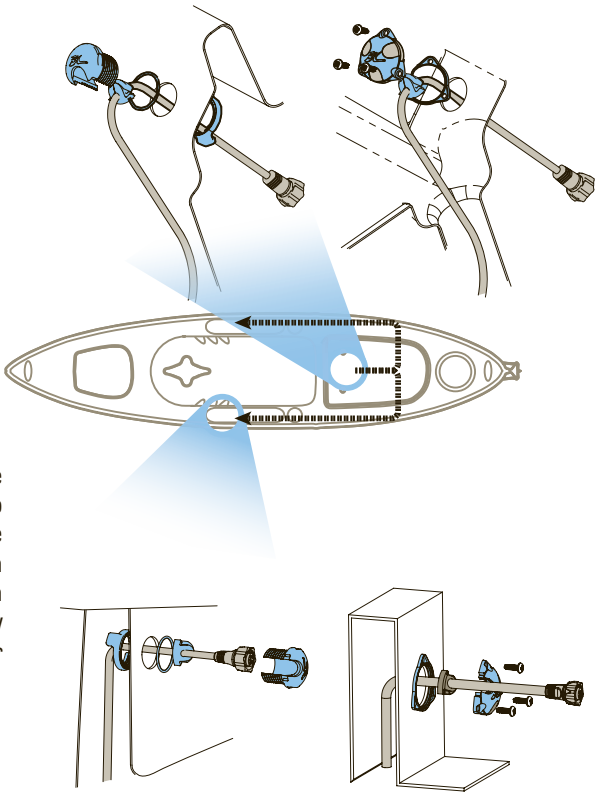
NOTE: Mirage Passport 12 owners must purchase install kit 72026217.

1a) Run the cable into the transducer cable thru-hull plug near the transducer scupper.

1b) Lead the cable through the inside of the hull and exit the cable out through the thru-hull fitting in the cockpit forward of the seat.. (See next page for details on installing thru-hull plugs).

1c) Most kayaks have plugs for the wire to exit on either side of the cockpit depending on your preferred screen location. Plugs may be installed in trays or mesh pockets.

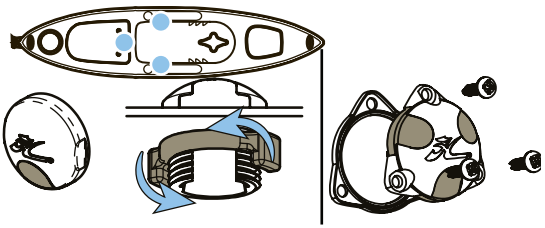
1d) Run the power cable (next step) before attaching the thru-hull plug.



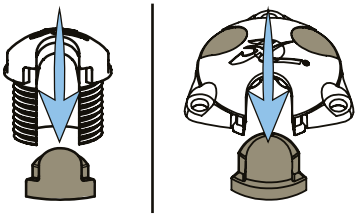
Run the power cable and attach thru-hull plug

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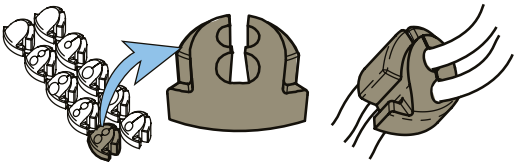
1a) Locate the thru-hull plug in front of the seat on either side of the cockpit and unscrew the nut on the inside of the kayak OR undo the screws on the 3-way plug, depending on your kayaks model and manufactured date.



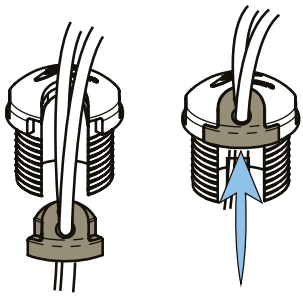
1b) Remove the solid rubber adapter(s) from the thru-hull plug.



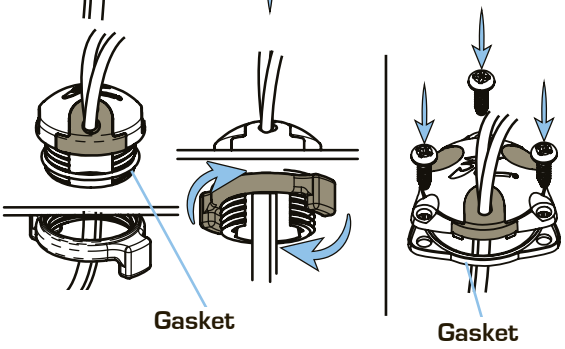
1c) Choose the rubber adapter for your cable size and insert the cable by opening the adapter along the slit. NOTE: Rubber adapters can be found packed with your new Hobie Kayak. For Passports, rubber adapters are included in fit kit 72026217.



1d) Press the rubber adapter with the cable installed into the plastic housing making sure it fits snugly.



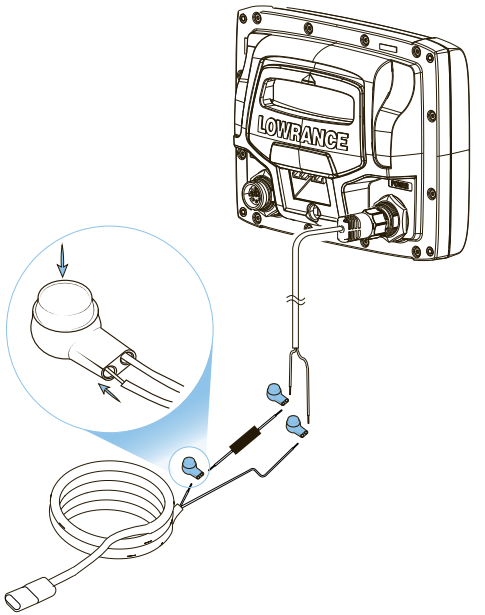
1e) Once all cables are run through the hull, fasten the thru-hull wire assembly to the hull using the nut **OR hand-tighten** the screws, making sure you have the gasket installed with the lip facing up toward the plastic housing.

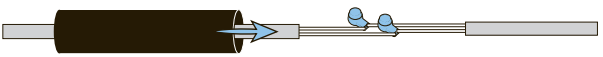


Connect the power cable

Locate the small red and black wires that are coming from the fish finder power cable. You will need to connect these to the open leads on teh Nocqua plug on both ends. If provided with a fuse, install the fuse box and fuse provided by Lowrance in the fish finder package before going on to the next step. Some fish finders come with fuses and some do not. You can use the wire connectors provided in Hobie Fish Finder Power Kits for most connections. Nacqua include two adhesive lined heat shrink butt connectors with the Pro Power Kit for your use as well.

NOTE: Before crimping the wires together you must slip the shrink tube over the cable ends because it won't fit over the end attachment fittings. Insert the red wire coming from the fish find power cable and the red wire from the Nacqua power cable into one of the orange/ clear waterproof connectors. You may opt to cut the heat shrink tubing in half to create two sections of heat shrink for bypassing the fuse box and covering all connections. Once the wires are installed all the way into the wire connector, depress the orange button with a pair of pliers. Depressing the orange button will pop a gel pack that insulates the wire from water. Repeat the same procedure with the black wires from the fish finder power cable and the pigtail wire.





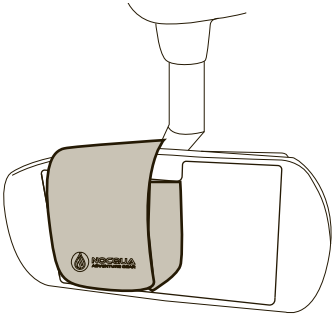
Slide the heat shrink tube over the connectors and apply heat to shrink the tube over the spliced connections.



Mount the battery holder and battery

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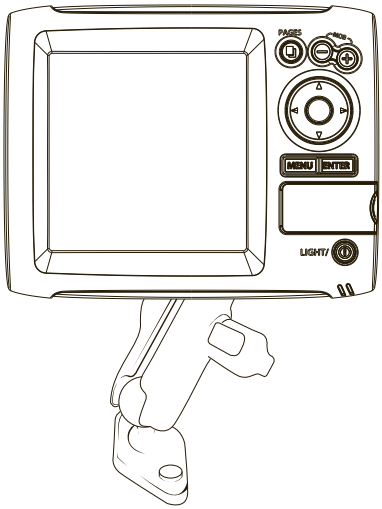
Select a mounting location on your kayak for the Nacqua battery. The best location for mounting the battery is either to the accessory/sail mounting tube inside the hull or resting in the lip of the 8" Twist and Seal Hatch (not compatible with some hatch locations). Depending on location, the Nocqua 12' component cable provides enough length to run fore or aft as needed.



Mount the fish finder screen

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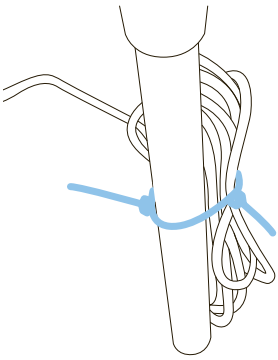
Decide on a preferred location for mounting your fish finder display screen to your kayak. You can follow instructions for using the mount included with your unit or choose the appropriate base and fish finder mount. RAM mounts are easily adjustable and allow for simple installation and removal of your fish finder. Contact your local Hobie dealer or view them online at **www.hobie.com**.



Clean Up and Check Connections

Bundle up any excess transducer cable and lightly wrap a zip tie around the bundle to keep it organized. **NOTE:** Do **NOT** cut the transducer cable to shorten it. This will cause the transducer to lose function. Excessive zip tie tension can also kink the transducer cable and compromise the function of the cable.

Zip tie the bundle of wire to something in the kayak such as the accessory/mast tube or scupper to keep it from moving around.



Charging instructions and maintenance

For charging and maintenance please reference battery care instructions on the inside of the box lid for your Nocqua Pro Power Kit



Hobie Cat Company
Holding Company
Oceanside, California, USA
1-800-HOBIE-49
hobiecat.com

Hobie Cat Australasia
Subsidiary
Huskisson, New South Wales, Australia
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