Although the Propel Drive is very dependable, never pedal out farther than you are willing to paddle back.
Your Propel comes shipped to you in this robust box to help prevent shipping damage and requires some assembly.

*The Propel Parts Bag includes:

1) 4mm Hex Wrench
1) 8mm Hex Wrench
2) Crank Arm Bolts
Assembly Instructions

Step 1. Install Thwart Tube

Retrieve your thwart tube from your kayak and insert the tube through one side of the thwart tube clamp.

Center the thwart tube on the thwart clamp.

Secure the thwart tube in place by tightening the 4 screws to 35 in/lbs (4Nm) of torque, utilizing the included 4mm hex wrench. The torque is correct when the rubber spacer just starts to bulge out. Do not over tighten these four screws. Over tightening will result in damage not covered under warranty.
2. Install the Left and Right Crankarms

The Crankarms on the Propel, like a bike, are Left and Right specific. The correct orientation of the Propel is with the prop facing you and the thwart away from you, as you would pedal it in your kayak.

There is a “L” and “R” laser etched into the Crankarms for reference.

Install the Crankarm bolts; starting them by hand and then tightening to 25 ft/lbs. or 300 in/lbs (35Nm) utilizing the included 8mm hex wrench.
3. Install your Propel™ in your Kayak

Set the aluminum thwart tube into the half round recesses located in front of the drive box. Push the slider latch forward to lock the tube in place. To remove the Propel™, push the slider latch backward to unlock the tube, repeat on opposite side.

4. Lock Propel™

Lower the Propel™ through the drive box. Lock the Propel™ in position with the slider latch installed on the front of your drive box. Replace the drive box cover.
Maintenance and Service

Much like the drive train of a bike, the Propel™ will require routine inspection and maintenance. We recommend maintenance every 6 months, or 100 hours of use, which ever comes first. The main purposes of these services are to ensure the internal gears of the unit remain properly lubricated and the covers remain tight and sealed. Failure to maintain these two key points may result in abnormal wearing of the gears and eventual failure of the unit. If you do not feel comfortable performing the prescribed maintenance, please contact the dealer in which you purchased your Propel™ kayak for assistance.

Cleaning of your Propel™

Spray off your Propel™ with a water hose after every use, especially after every use in saltwater. Do not use a high pressure car wash type sprayer.

Regular Maintenance Instructions

- Check Covers

The covers are threaded into the Propel™ frame. We use thread locker to ensure they do not come loose due to vibration and the rotational motion of the spindle. However, to ensure the proper function of the internal gears, it is important that the covers are completely flush to the frame. Visually inspect the top and bottom covers and, if necessary, use a spanner wrench with 3/16” pins to tighten. These covers should be inspected before every use. If the covers are loose, or have been removed, they should be reassembled using one drop of blue thread locker on the cap threads. Side covers get thread locker, lower cartridge does not.

Note: Operating the Propel™ with loose covers may result in damage to the gears that is not covered under warranty.
• Lubrication

Your Propel™ utilizes gears that have been specifically designed for the most efficient and quiet transmission of your pedaling power. In order to ensure the same smooth function from the day you first purchased your boat, the gears will require a small amount of lubrication. (If you do not have one, a lubrication kit can be purchased from your local dealer.)

NOTE: To avoid any internal contamination, rinse and wipe down your Propel before removing any components. Always lubricate your Propel in a clean and dry environment.

Lubricate Upper Gear Set

Remove grease port screw using a 3/16” hex wrench.

Use an extended nose grease gun to reach gears.

Inject 2 to 3 pumps of grease and replace grease port screw. Rotate crank arms slowly to apply grease throughout the gear assembly.
Lubricate Lower Gear Set

Remove the screw in the center of the propeller using a 4mm hex key. Pull the propeller straight out and off, then remove the shear pin. Next, remove the cartridge using a spanner wrench with 3/16” pins.

Grease the Propeller Gear on the cartridge with 2 pumps from the grease gun.

Grease the Lower Transmission Gear by inserting the extended nose grease gun and injecting 2 pumps onto the gear.

Return the cartridge to the main body. **Be careful of gear conflict during the replacement of the cartridge.** To avoid damage to gears tighten the cartridge by hand as you are slowly rotating the crank arm when you see the propeller spindle start to turn you can go ahead and tighten the cartridge.
Propel™ Kits

Kit # APRO002
Propel™ Easy Cruz Kit
- Propeller and Shear Pin Replacement Kit.
- Includes Propeller and 1 Drive Pin.

Kit # AKIT001
Propel™ Lubrication Kit
- For recommended maintenance of the Propel™ gear system.
- Includes 3.5 oz. of Teflon lubricant, pump with an extended nozzle, and 3/16” hex key to access fill port.
Propel™ Prop Indexer

Your Propel Pedal Drive includes a Prop Indexer which allows you to quickly and effectively lineup your prop to clear the drive box when approaching shallow water or when you need to remove the Propel from the kayak. Simply...

a. Unlock the slider latch in front of the drive box.
b. Remove the drive box cover.
c. Press the indexer down from the the top and allow the prop to make contact with the indexer (when spinning the pedals in a forward motion). You will feel when this contact occurs.
d. Once contact has occurred, lift the propel unit up.
Propel™ Maintenance Log

PURCHASE DATE: _________________    SERIAL#: ________________________

For maintenance videos, schematics and a full list of recommended maintenance tools, visit nativewatercraft.com/propel-maintenance/

DATE: MAINTENANCE PERFORMED:

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Two Year Limited Warranty

We take great pride in the Propel™ line of boats we produce. Your Propel™ is manufactured to stringent standards, built for endurance, and sold exclusively by our outstanding dealer network. We guarantee your new Propel™ against defects in workmanship and materials for two years from its purchase date.

For warranty to be valid, the original purchaser must have registered their kayak on the respective kayak brand's website (Native Watercraft, Liquidlogic or Hurricane) within two weeks of purchase.

To submit a warranty claim:

The warranty claim must be submitted to us by the dealer from which the Propel™ was originally purchased. In submitting the claim, the dealer will need:

- Serial Number of the Boat
- Serial Number of Propel™
- Proof of purchase
- Physical inspection of the Propel™ or pictures of the area in question

This warranty does not cover:

- Normal wear to the Propel™
- Damage caused by abuse or misuse
- Damage caused by failure to perform routine maintenance
- Failure due to improper transportation
- Issues resulting from modifications to the boat or Propel™ that were made by anyone other than a Native Watercraft, Liquidlogic or Hurricane Aquasports Authorized Dealer.
- Lubricating the Propel Drive with anything except Teflon grease lubricant will void the warranty.

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