



Old Town[®]

**PDL Lower Drive Unit O-Ring
Replacement Kit**

SAFETY CONSIDERATIONS



WARNING

Always have a personal flotation device and paddle with you when taking out a powered/pedal/paddle watercraft. Be especially careful when navigating in moving water, near dams, waterfalls, and/or hazardous water conditions.

NOTICE: The images in this document may not look the same as your product but your unit will function in a similar way.

CONTENTS

⚠ CAUTION

Before getting started, please read all instructions thoroughly to prevent injury.

ALWAYS WEAR SAFETY GLASSES WHEN HANDLING TOOLS AND EQUIPMENT.



PARTS

A.	3mm Hex Key / Allen Wrench	Part #	01.1316.0161	Qty	1
B.	4mm Hex Key / Allen Wrench	Part #	01.1316.0162	Qty	1
C.	Small Rubber O-Rings, Size 008	Part #	01.1316.0163	Qty	2
D.	Large Rubber O-Ring, Size 036	Part #	01.1316.0164	Qty	1
E.	Waterproof Grease	Part #	01.1316.0165	Qty	1
F.	Bolt, M5-0.8 x 30L	Part #	01.1316.0166	Qty	2
G.	Bolt, M6-1.0 x 16L	Part #	01.1316.0167	Qty	2
H.	Thread Locker	Part #	01.1316.0169	Qty	1

TOOLS REQUIRED

- 14mm Socket and Socket Wrench

INSTRUCTIONS

1

DISASSEMBLY OF PROP

Remove the PDL drive from your watercraft and place flat on a bench or table.



2

Using a 14mm socket or wrench, remove the prop nut. Set aside the prop nut and the washer until reassembly.



3

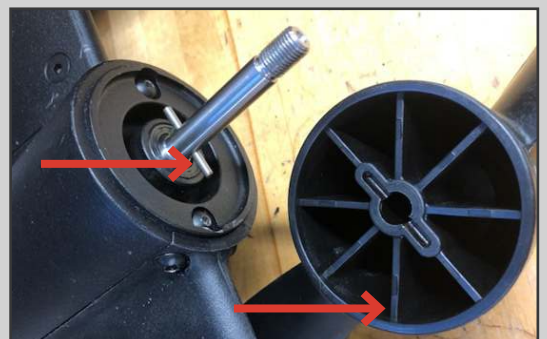
To remove the prop, grip one blade with each hand. Using your thumbs, push evenly against the end of the shaft until the prop pops free.



4

Remove the keeper pin and set aside.

NOTICE: Do not lose this pin as it will be used during reassembly.



INSTRUCTIONS

5

Using the 4mm hex/Allen wrench provided in your repair kit, remove the two hex screws on the bottom side of your PDL drive. Set aside the hex screws until reassembly.

NOTICE: Ensure the hex inserts in the heads of the screws are free of debris. Make sure the hex/Allen wrench is fully inserted into the insert to avoid stripping the hex inserts.



6

Using the 3mm hex/Allen wrench provided in your repair kit, remove the two hex screws on the end (shaft side) of your PDL drive. Set aside the hex screws until reassembly.

NOTICE: Ensure the hex inserts in the heads of the screws are free of debris. Make sure the hex/Allen wrench is fully inserted into the insert to avoid stripping the hex inserts.



7

At this point, the bearing-shaft assembly should slide out. You may need to apply a light amount of force to the shaft and wiggle the assembly out of place.

NOTICE: If the bearing-shaft assembly does not come out easily, try turning the pedals on your drive. There is a chance the gears may be sticking to one another.



8

Remove the o-ring from the groove on the pinion side of the bearing-shaft assembly. Check the groove for any debris and clean as needed.



INSTRUCTIONS

9

Take the large rubber o-ring and apply a generous amount of waterproof grease to the entire circumference of the o-ring. Insert the o-ring into the groove and ensure the o-ring is seated.

NOTICE: Keep the o-ring away from any sharp objects and tools. Avoid over stretching the o-ring.



10

Remove the o-rings from bearing-shaft assembly bolts and replace with the small o-rings provided. Use the grease packet to apply a generous amount of grease to the entire circumference of the o-ring. Slide the o-rings onto to the bolts and just under the bolt head.



11

Line up the bolt holes on the bearing-shaft assembly. Slide the assembly back into place until the bolt holes line up. You may need to wiggle the pedal to properly align the pinion and drive gears.



12

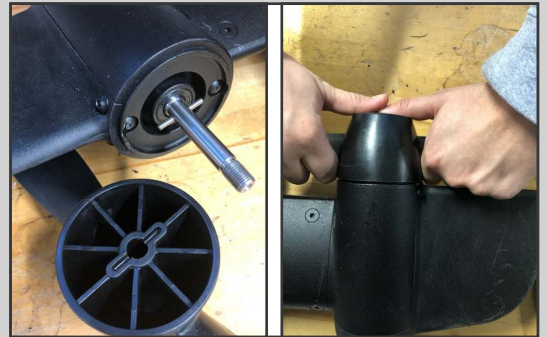
Apply red thread locker to the 4 hex screws. Reinstall the 4 hex screws to secure the bearing-shaft assembly. Firmly tighten the screws.



INSTRUCTIONS

13

Reinstall the prop pin. Align the prop pin with the groove in the rear of the prop and press the prop back into place.



14

Reinstall the prop washer and the prop nut. Tighten the prop nut until the prop shaft is even with the top of the prop nut.

