

# PWC KIT - Depth Finder - GTX, RXT and Wake PRO (2020 and up) and RXP-X (2018 and up)

Product: **Sea-Doo\_watercraft**

Project no: **487803570**

Instruction Sheet P/N: **487803570**

Revision no:

Revision date:

Item covered: **Depth Finder - GTX, RXT and Wake PRO (2020 and up) and RXP-X (2021 and up)**

The following symbols may be used in this document:



## WARNING

Indicates a hazardous situation which, if not avoided, could result in death or serious injury.



**CAUTION:** Indicates a hazard situation which, if not avoided, could result in minor or moderate injury.

**NOTICE** Indicates an instruction which, if not followed, could severely damage vehicle components or other property.



## WARNING

- This kit is designed for specific applicable models only (authorized BRP dealers will confirm model(s)). It is not recommended for units other than the one (those) for which it was sold.

- Should removal of a locking device (e.g. lock tabs, self-locking fasteners, etc.) be required when undergoing disassembly/assembly, always replace with a new one.

- Torque wrench tightening specifications must strictly be adhered to.



## WARNING

Some important safety information and/or operating instructions dedicated to the end user might be included in this instruction sheet. Make sure to give the kit part number as well as the instruction sheet included with this kit to the customer. Verify that the customer has access to all the information required for proper use of the accessory.

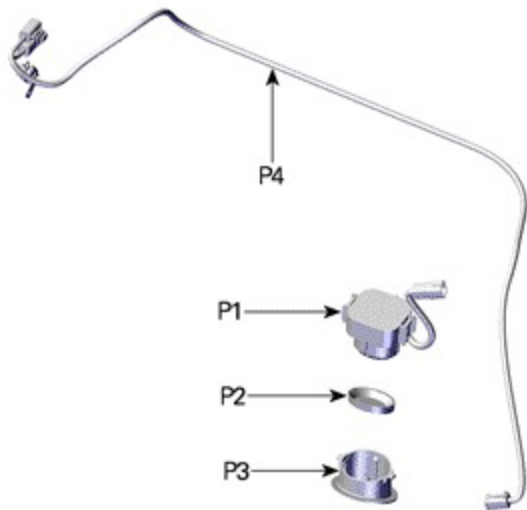
**NOTE: USE TIGHTENING TORQUES IN THE FOLLOWING TABLE IF NOT OTHERWISE SPECIFIED.**

### GRADE

	5.8	8.8	10.9	12.9
M4	1.8 ± 0.2 N•m (16 ± 2 lbf•in)	2.8 ± 0.2 N•m (25 ± 2 lbf•in)	3.8 ± 0.2 N•m (34 ± 2 lbf•in)	4.5 ± 0.5 N•m (40 ± 4 lbf•in)
M5	3.3 ± 0.2 N•m (29 ± 2 lbf•in)	5 ± 0.5 N•m (44 ± 4 lbf•in)	7.8 ± 0.7 N•m (69 ± 6 lbf•in)	9 ± 1 N•m (80 ± 9 lbf•in)
M6	7.5 ± 1 N•m (66 ± 9 lbf•in)	10 ± 2 N•m (89 ± 18 lbf•in)	12.8 ± 2.2 N•m (113 ± 19 lbf•in)	16 ± 2 N•m (142 ± 18 lbf•in)
M8	15.3 ± 1.7 N•m (135 ± 15 lbf•in)	24.5 ± 3.5 N•m (18 ± 3 lbf•ft)	31.5 ± 3.5 N•m (23 ± 3 lbf•ft)	40 ± 5 N•m (30 ± 4 lbf•ft)
M10	29 ± 3 N•m (21 ± 2 lbf•ft)	48 ± 6 N•m (35 ± 4 lbf•ft)	61 ± 9 N•m (45 ± 7 lbf•ft)	73 ± 7 N•m (54 ± 5 lbf•ft)
M12	52 ± 6 N•m (38 ± 4 lbf•ft)	85 ± 10 N•m (63 ± 7 lbf•ft)	105 ± 15 N•m (77 ± 11 lbf•ft)	128 ± 17 N•m (94 ± 13 lbf•ft)

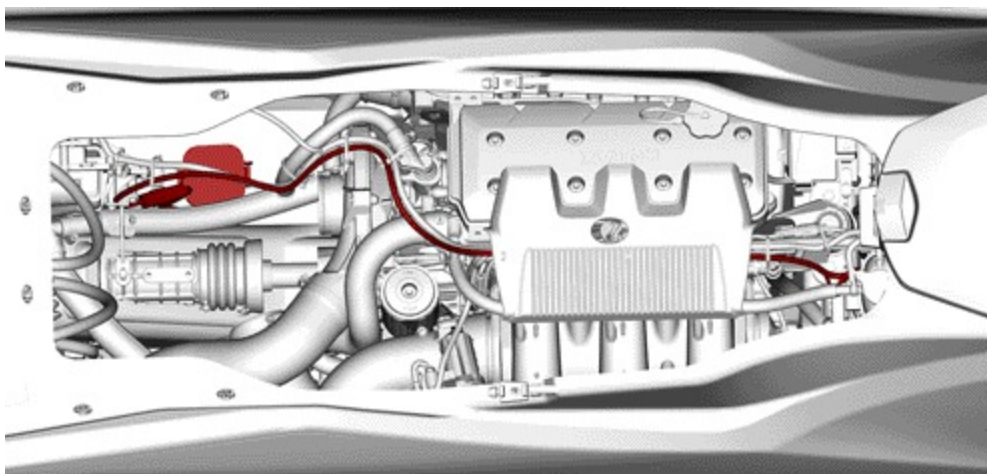
M14	85 ± 10 N•m (63 ± 7 lbf•ft)	135 ± 15 N•m (100 ± 11 lbf•ft)	170 ± 20 N•m (125 ± 15 lbf•ft)	200 ± 25 N•m (148 ± 18 lbf•ft)
M16	126 ± 14 N•m (93 ± 10 lbf•ft)	205 ± 25 N•m (151 ± 18 lbf•ft)	255 ± 30 N•m (188 ± 22 lbf•ft)	305 ± 35 N•m (225 ± 26 lbf•ft)
M18	170 ± 20 N•m (125 ± 15 lbf•ft)	273 ± 32 N•m (201 ± 24 lbf•ft)	330 ± 25 N•m (243 ± 18 lbf•ft)	413 ± 47 N•m (305 ± 35 lbf•ft)

The illustrations in this document show typical construction of the different assemblies and may not reproduce the full detail or exact shape of the parts; however, they represent parts that have the same or similar function. Installation time is approximately 1.0 hour.  
Some parts may be missing in the illustrations for clarity purposes.  
Parts to be installed



Item	Description	Part Number	QTY
P1	Depth Finder	278002954	1
P2	Gel Pad	293550042	1
P3	Depth Finder Base Support	278001994	1
P4	Wiring Harness	278003890	1
P5	Locking Tie (not shown)	414115200	10

Vehicle preparation  
NOTE: Refer to appropriate Shop Manual if required.  
1. Remove seat.  
2. Remove engine service cover.  
Installation Instructions  
Depth Finder Support Installation  
1. Locate area where depth finder is to be installed. See following illustrations.



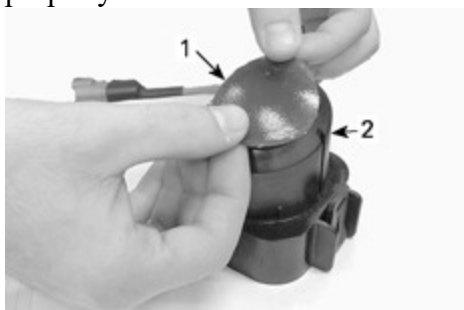
To reach depth finder installation location, remove the following components, if applicable to your vehicle model:

- Exhaust hose from engine or Front exhaust hose
- Exhaust
- Breather hose from engine air intake
- Rear engine air intake.

#### Depth Finder Preparation

1. Install gel pad on depth finder.
  - 1.1 Place the flat side of depth finder on a level surface.
  - 1.2 Clean the concave surface of depth finder.
  - 1.3 Remove both protectors from gel pad.
  - 1.4 Apply gel pad on depth finder.

**NOTICE** Make sure not to trap air between gel pad and depth finder. Otherwise, the device may not work properly.



1. Gel pad [P2]
2. Depth finder [P1]

#### Depth Finder Installation

#### service products

Isopropyl alcohol

To clean inside of hull

Marine grade epoxy glue

To glue depth finder support to inside of hull

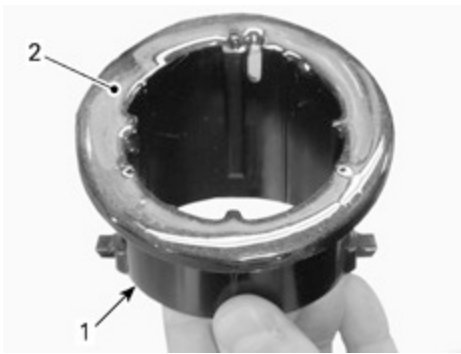
1. Clean inside of hull at depth finder support mounting area.
2. Prepare epoxy glue as per manufacturer instructions.



#### WARNING

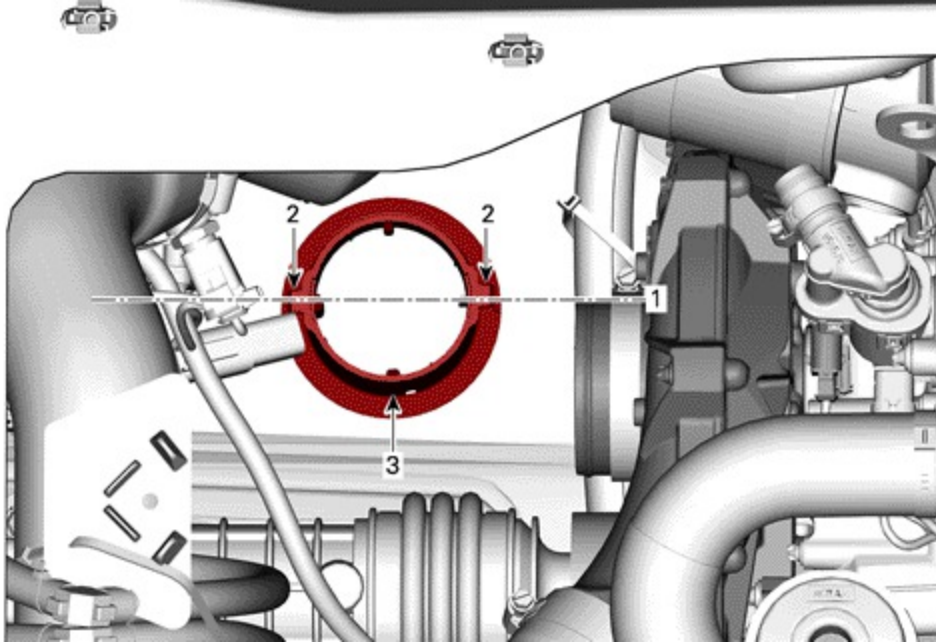
When mixing and applying epoxy glue, always refer to manufacturers instructions.

3. Apply generous amount of epoxy glue to base of depth finder support.



#### Depth finder support preparation

1. Top of depth finder support [P3]
2. Generous amount of epoxy glue applied here (bottom of support)

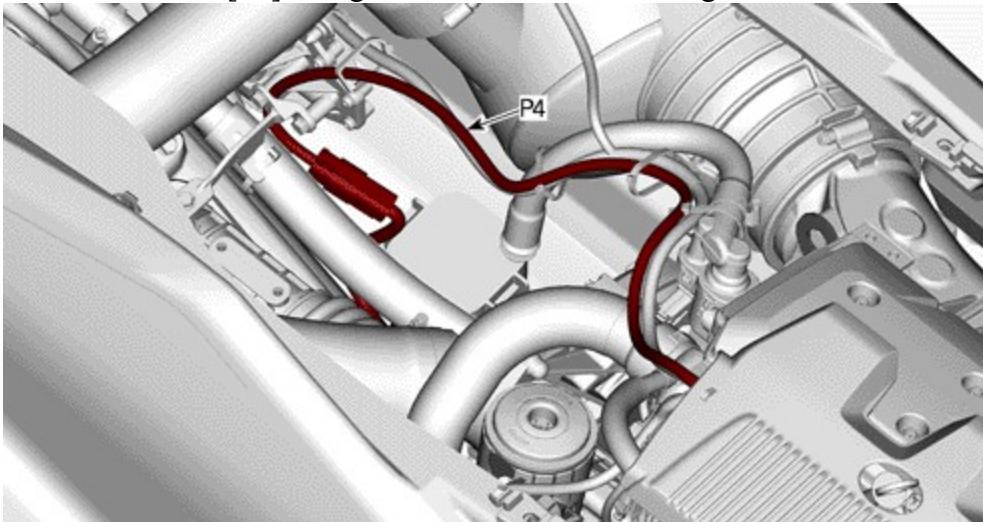


#### Depth finder support installation

1. Longitudinal axis of watercraft
2. Depth finder locking tabs
3. High side of depth finder support towards center of watercraft
4. Install depth finder support and allow sufficient time for epoxy glue to set before installing depth finder. Refer to epoxy glue manufacturer instructions.

#### Electrical Connections

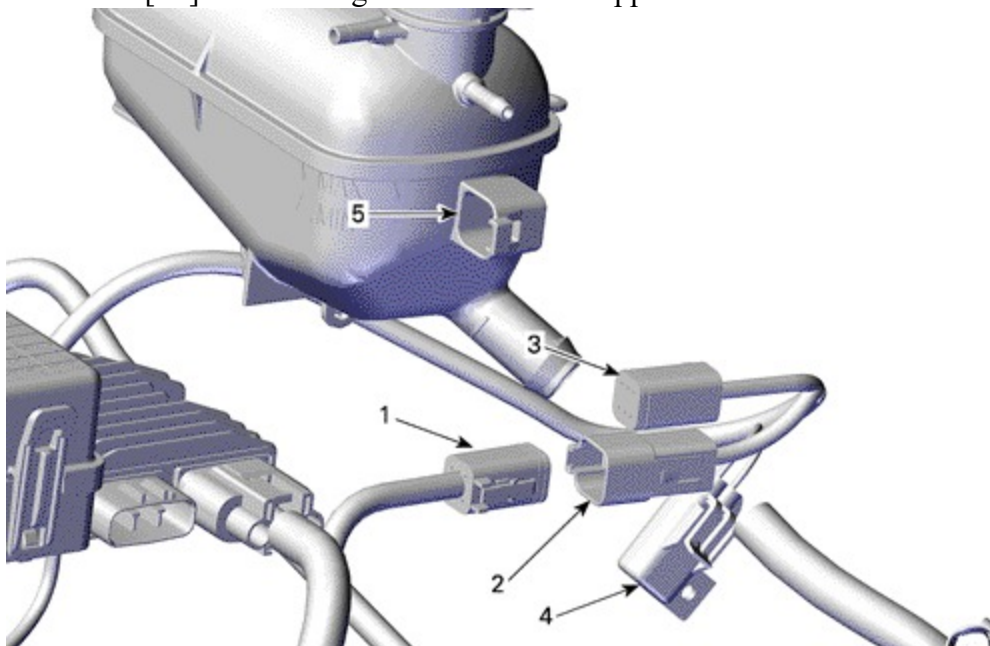
1. Install harness [P4] on right side of vehicle following the iBR harness.



2. Connect depth finder [P1] to harness [P4].

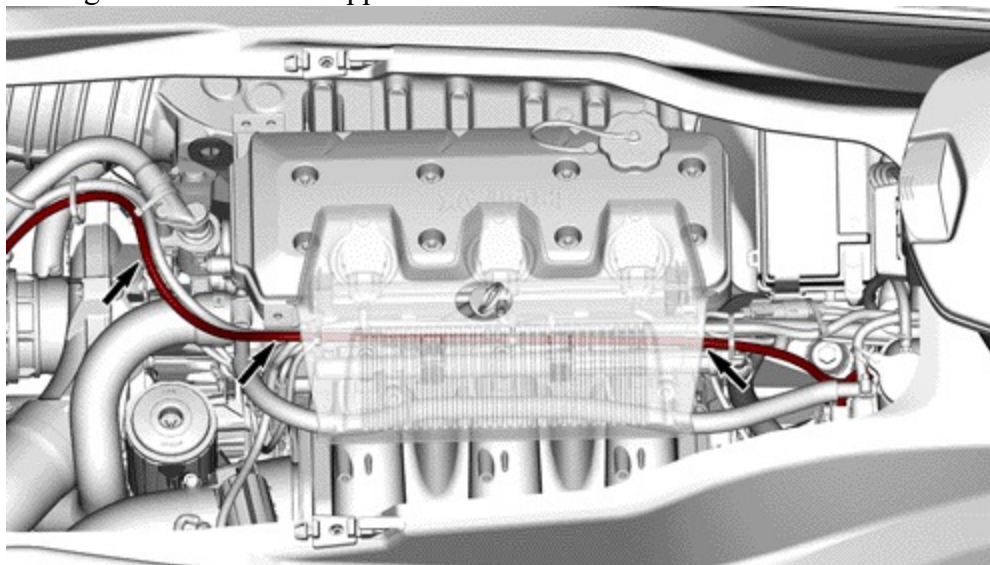


3. Connect other end of harness [P4] female connector to the diagnostic connector and connect male connector of harness [P4] into the diagnostic connector support.



typical - Parts removed for clarity

1. Vehicle diagnostic connector
2. Depth finder harness [P4] female connector
3. Depth finder harness [P4] male connector
4. Fuse holder
5. Diagnostic connector support



NOTE: Ensure harness is properly secured and no slack is present.  
dry testing of depth finder



#### WARNING

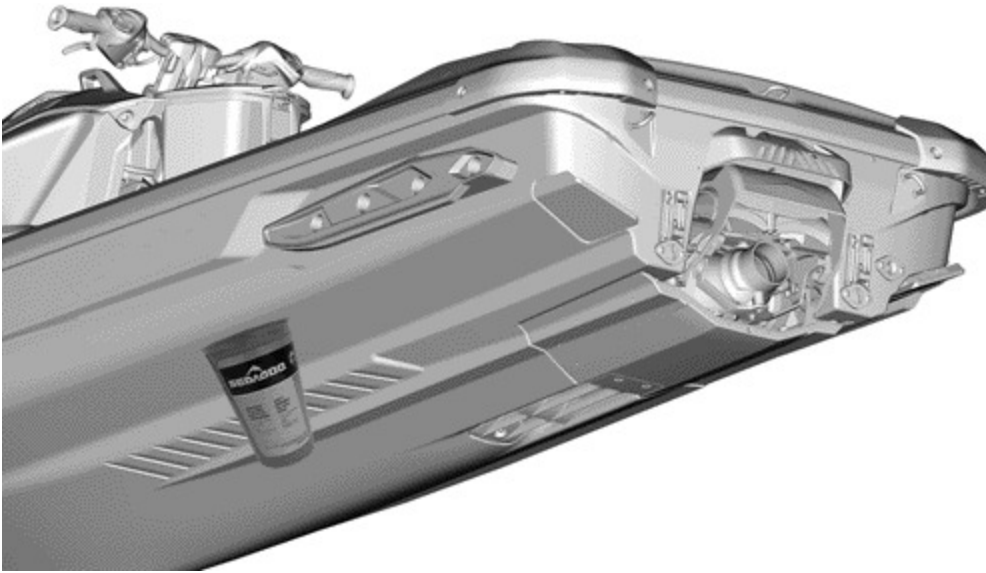
Never use the depth finder as a warning device to ride in shallow water. Use it as a navigation guide only. Not to be used to get precise navigation data.

1. You need a container (cup, glass or an empty watercraft safety equipment kit container without lid).
2. Install the tether cord on the engine cut-off switch.
3. Momentarily press the start button to energize the electrical system.
4. Use the arrows on the RH side controller to select Water Depth. The water depth icon will light.



Water Depth icon

5. Place the empty safety equipment container on lower hull directly beneath the depth sounder.



Please note that an empty metal container can also be used to perform this test.

The gauge should provide a reading. The reading may increase and decrease during the test however, the gauge will always provide a numerical depth indication if the depth finder is working properly.



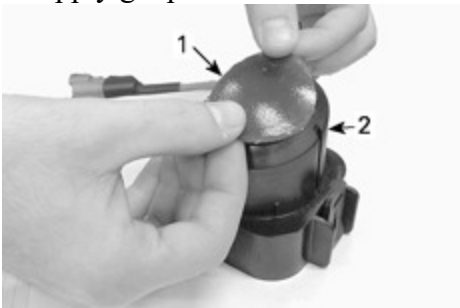
If depth finder provides a numerical indication as previously illustrated, no more action is required.

If depth finder provides an indication of only dashes (no numbers), there may be air trapped between the depth finder and the gel pad. If this is the case, the gel pad must be replaced.

#### REINSTALLATION OF DEPTH finder

If the gauge provided a bad reading, it is possible that there is an air gap between the base of the depth finder and the hull. Carry out the following steps.

1. Remove depth finder.
2. Remove gel pad from depth finder.
3. Thoroughly clean the area where the depth finder will be reinstalled.
4. Apply gel pad to the face of the depth finder so it covers the entire mating surface.



1. Gel pad [P2]
2. Depth finder [P1]
5. Reinstall depth finder.
6. Dry test depth finder to ensure you obtain a proper reading.

#### Depth Finder Troubleshooting

#### Depth finder TROUBLESHOOTING

##### SYMPTOM

Nothing is displayed in the information center

##### POSSIBLE CAUSE

Depth finder not connected.

##### REMEDY

Connect it properly.

**Depth finder TROUBLESHOOTING**

<b>SYMPTOM</b>	<b>POSSIBLE CAUSE</b>	<b>REMEDY</b>
<p>----- (ft or m) is displayed and Sensor is blinking after self test for 5 seconds</p> <p>Reinstall all removed components.</p>	12 V or ground wire open to depth finder.	Check fuse and wiring harnesses.
	Problem with the communication link wires.	Check WHITE/BLACK and WHITE/RED wires to CAN bus-bars in fuse box.
	Watercraft is not in water.	Launch watercraft in water and recheck.
	There is air between gel pad and depth finder or between depth finder and hull.	Remove depth finder. Replace gel pad.
	Depth finder is defective.	Try a new depth finder.