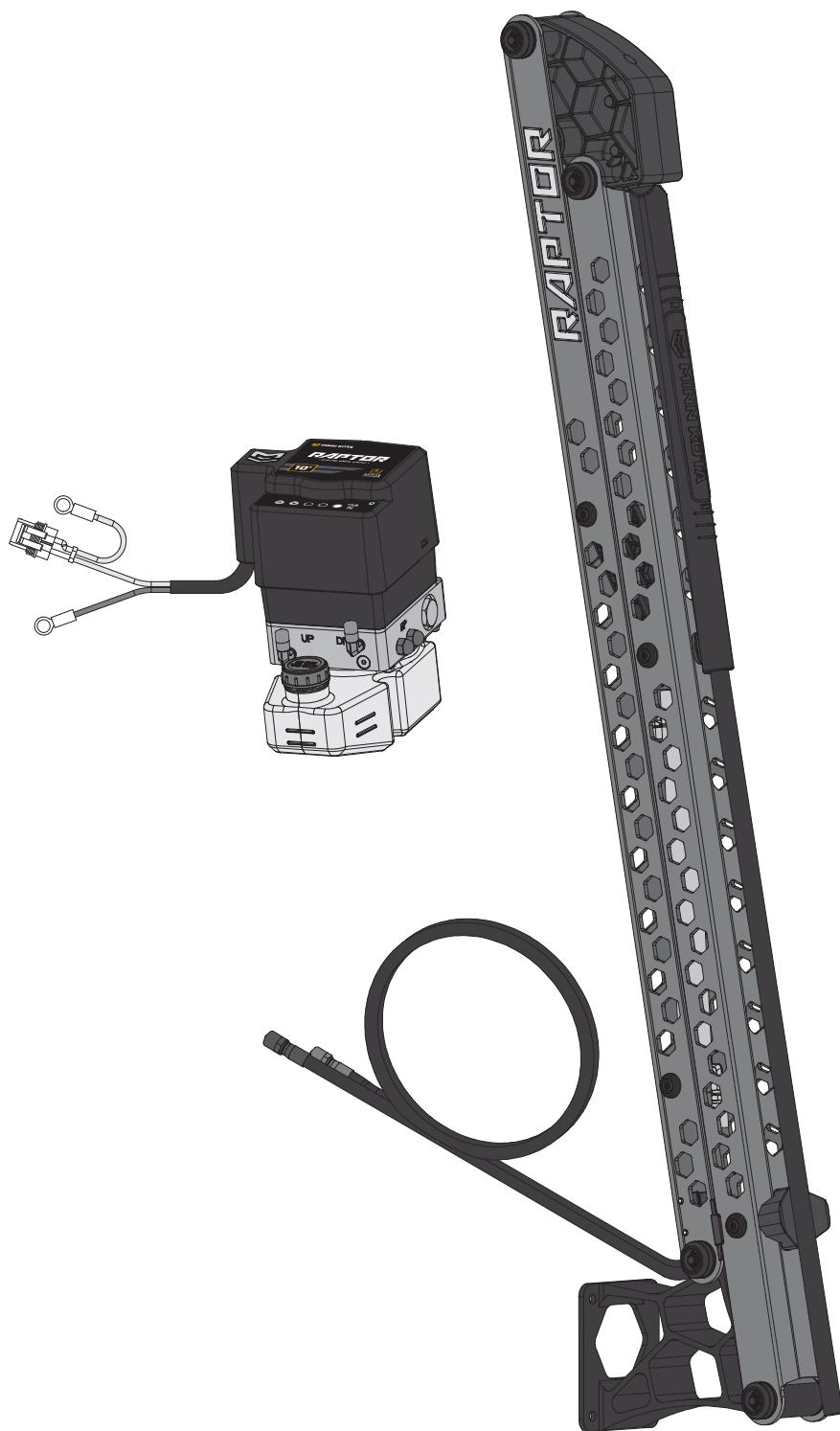




RAPTOR

SHALLOW WATER ANCHOR

Owner's Manual

INTRODUCTION

THANK YOU

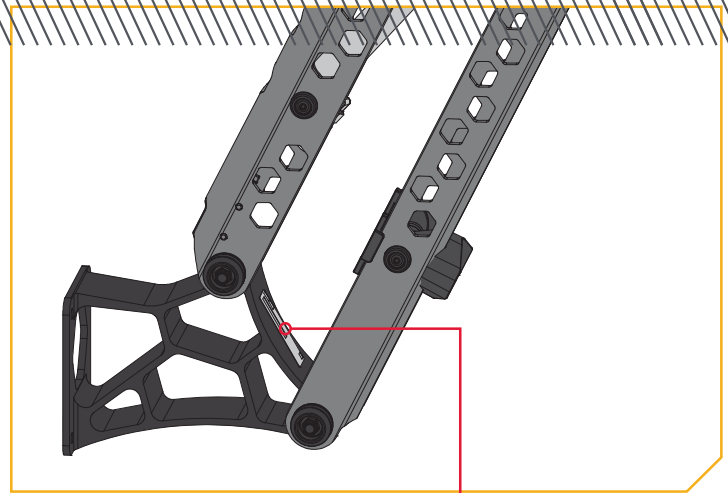
Thank you for purchasing the Minn Kota® Raptor shallow water anchor. This revolutionary shallow water anchor uses state-of-the-art technology to deliver unprecedented levels of boat control. Intuitive features and wireless control enable Raptor to accurately position your boat and improve your bait presentation. Raptor holds your boat in position so you can focus on fishing.

REGISTRATION

Remember to keep your receipt and immediately register your Raptor. To receive all the benefits of your product warranty, please fill out and mail the registration card. You may also register your product online at minnkotamotors.com.

SERIAL NUMBER

Your Minn Kota 11-character serial number is very important. It helps to determine the specific model and year of manufacture. When contacting Consumer Service or registering your product, you will need to know your product's serial number. We recommend that you write the serial number down so that you have it available for future reference.



NOTICE: The serial number on your Raptor is located on the mounting bracket beneath the Arm.



RAPTOR INFORMATION (For Consumer Reference Only)

Model: _____

Serial Number: _____

Purchase Date: _____

Store Where Purchased: _____

NOTICE: Do not return your Minn Kota product to your retailer. Your retailer is not authorized to repair or replace this unit. You may obtain service by: calling Minn Kota at (800) 227-6433; returning your Raptor to the Minn Kota Factory Service Center; sending or taking your product to any Minn Kota authorized service center. A list of authorized service centers is available on our website, at minnkotamotors.com. Please include proof of purchase, serial number and purchase date for warranty service with any of the above options.

TABLE OF CONTENTS

SAFETY CONSIDERATIONS	4
WARRANTY	5
KNOW YOUR BOAT	6
FEATURES	7
INSTALLATION	8
Installing the Raptor	8
Anchor Mounting Considerations	9
Hydraulic Pump Mounting Considerations	11
Installing the Raptor	14
Rotating the Pump Reservoir	17
Installing the Hydraulic Pump	19
Installing Hydraulic Hoses	23
Installing the Remote Bracket	28
BATTERY & WIRING INSTALLATION	29
Boat Rigging & Product Installation	29
Conductor Gauge and Circuit Breaker Sizing Table	29
Selecting the Correct Batteries	30
Connecting the Batteries	30
WIRING DIAGRAM	32
HYDRAULIC DIAGRAM	33
COMPLETING THE INSTALLATION	34
USING THE RAPTOR	38
Controlling the Raptor with the Indicator Panel	40
Controlling the Raptor with the Remote	43
PAIRING THE RAPTOR	48
THE RAPTOR APP	53
SERVICE & MAINTENANCE	61
COMPLIANCE STATEMENTS	73
PARTS DIAGRAM & PARTS LIST	75
NOTES	87

SAFETY CONSIDERATIONS

Please thoroughly read the user manual. Follow all instructions and heed all safety considerations. Use of this product is only permitted for persons that have read and understood these instructions. Minors may use this product only under adult supervision.

WARNING

You are responsible for the safe and prudent operation of your boat or vessel, and Raptor(s). This product does not relieve you from the responsibility of safe operation of your boat. It may be hazardous to operate your Raptor in rough or turbulent water conditions, such as fast currents or changing environmental conditions. Do not deploy your Raptor if these conditions are present, especially when the underwater topography is unknown. Failure to follow this warning may result in unexpected operation or failure of the Raptor to operate or anchor and could cause death or serious injury. You must avoid hazards to anchoring and always maintain a permanent watch so you can maintain proper control of your boat. You must always be prepared to regain manual control of your boat. Learn to operate your Minn Kota product in an area free from hazards and obstacles.

WARNING

The Raptor should be disconnected from the power source when it is not in use or is off the water for more than a month. When connecting the power-supply cables of the Raptor to the battery or power switch, ensure that they are not kinked or subject to chafe and route them in such a way that persons cannot trip over them. Before using the Raptor make sure that the insulation of the power cables is not damaged. Disregarding these safety precautions may result in electric shorts of battery(s) and/or the product. Always disconnect the Raptor from battery(s) before cleaning or checking the Raptor. In the event of unexpected operation, remove power leads from the battery. Avoid submerging the Pump Assembly as water may enter, considerable damage to the product can occur. This damage will not be covered by warranty. The constant noise pressure level of the Raptor during use is less than 70dB(A). The overall vibration level does not exceed 2,5 m/sec².

WARNING

Take care that neither you nor other persons approach the Raptor Spike too closely while operating, neither with body parts nor with objects. The Raptor is powerful and may endanger or injure you or others. While the Raptor is operating, watch out for persons swimming and for floating objects. Persons who lack the ability to run the Raptor or whose reactions are impaired by alcohol, drugs, medication, or other substances are not permitted to use this product.

CAUTION

Never leave the boat unattended with the Raptor as your only boat anchor. The Raptor is not intended to provide primary anchorage.

WARNING

It is recommended to only use Johnson Outdoors approved accessories with your Raptor. Using non-approved accessories including those used to mount or control your product may cause damage, unexpected operation and injury. Be sure to use the product and all approved accessories, including remotes, safely and in the manner directed to avoid accidental or unexpected operation. Keep all factory installed parts in place including motor, electronic and accessory covers, enclosures and guards. Failure to adhere to this warning may affect your warranty.

WARRANTY

WARRANTY ON RAPTOR SHALLOW WATER ANCHOR

Johnson Outdoors Marine Electronics, Inc. ("JOME") extends the following limited warranty to the original retail purchaser only. Warranty coverage is not transferable.

Minn Kota Limited Five-Year Warranty

Johnson Outdoors Marine Electronics, Inc. warrants to the original purchaser, that the purchaser's entire Minn Kota Raptor shallow water anchor's system, to include all mechanical, electrical, and hydraulic components, are free from defects in materials and workmanship appearing within five (5) years after the date of purchase. Johnson Outdoors Marine Electronics, Inc. will (at its option) either repair or replace free of charge, any mechanical, electrical, or hydraulic components found to be defective during the term of this warranty. Such repair or replacement shall be the sole and exclusive liability of Johnson Outdoors Marine Electronics, Inc. and the sole and exclusive remedy of the purchaser for breach of this warranty. The Raptor spike is covered by the five year warranty (plus parts and labor to install). After the five year warranty, the spike will be covered by the limited lifetime warranty (part only).

Minn Kota Limited Lifetime Warranty on the Spike

Johnson Outdoors Marine Electronics, Inc. warrants to the original purchaser that the spike of the purchaser's Minn Kota Raptor shallow water anchor is free from defects in materials and workmanship appearing within the original purchaser's lifetime. Johnson Outdoors Marine Electronics, Inc. will provide a new spike, free of charge, to replace any spike found to be defective more than five (5) years after the date of purchase. Providing a new spike shall be the sole and exclusive liability of Johnson Outdoors Marine Electronics, Inc. and the sole and exclusive remedy of the purchaser for breach of this warranty; and purchaser shall be responsible for installing, or for the cost of labor to install, any new spike provided by Johnson Outdoors Marine Electronics, Inc.

Terms and Conditions

These limited warranties do not apply to products used in saltwater (except the Chargers, Talon, Raptor and Riptide models) or commercially, nor do they cover normal wear and tear, blemishes that do not affect the operation of the product, or damage caused by accidents, abuse, alteration, modification, misuse or improper care or maintenance. **DAMAGE CAUSED BY THE USE OF OTHER REPLACEMENT PARTS NOT MEETING THE DESIGN SPECIFICATIONS OF THE ORIGINAL PARTS WILL NOT BE COVERED BY THIS LIMITED WARRANTY.** The cost of normal maintenance or replacement parts which are not defective are the responsibility of the purchaser.

Minn Kota Service Information

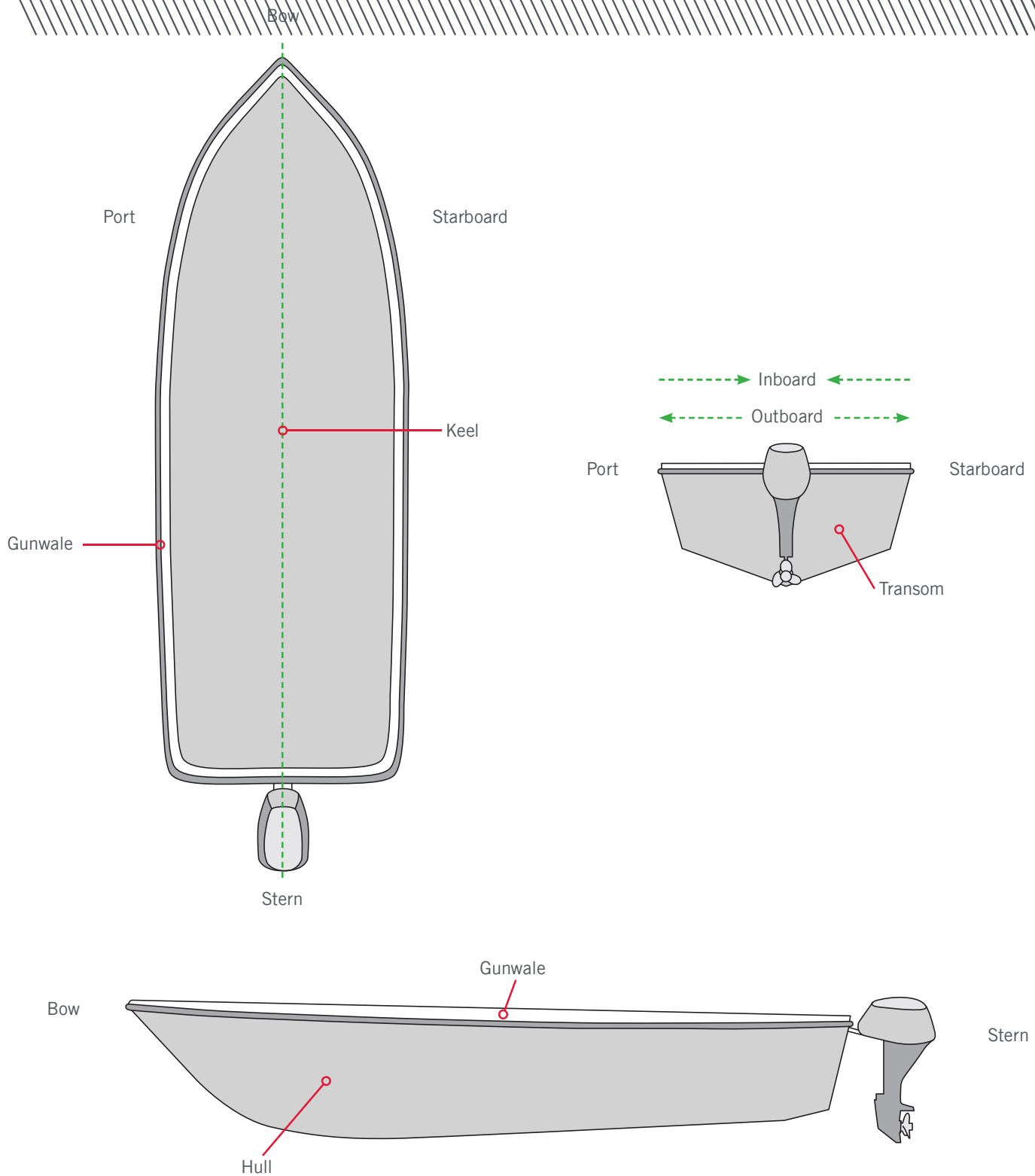
To obtain warranty service in the U.S., the product believed to be defective, and proof of original purchase (including the date of purchase), must be presented to a Minn Kota Authorized Service Center or to Minn Kota's factory service center in Mankato, MN. Any charges incurred for service calls, transportation or shipping/freight to/from the Minn Kota Authorized Service Center or factory, labor to haul out, remove, re-install or re-rig products removed for warranty service, or any other similar items are the sole and exclusive responsibility of the purchaser. Products purchased outside of the U.S. must be returned prepaid with proof of purchase (including the date of purchase and serial number) to any Authorized Minn Kota Service Center in the country of purchase. Warranty service can be arranged by contacting a Minn Kota Authorized Service Center or by contacting the factory at 1-800-227-6433 or email service@minnkotamotors.com. **Products repaired or replaced will be warranted for the remainder of the original warranty period [or for 90 days from the date of repair or replacement, whichever is longer]. For any product that is returned for warranty service that JOME finds to be not covered by or not in breach of this limited warranty, there will be a billing for services rendered at the prevailing posted labor rate and for a minimum of at least one hour.**

NOTICE: Do not return your Minn Kota product to your retailer. Your retailer is not authorized to repair or replace products.

NOTICE: THERE ARE NO EXPRESS WARRANTIES OTHER THAN THESE LIMITED WARRANTIES. IN NO EVENT SHALL ANY IMPLIED WARRANTIES INCLUDING ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR PARTICULAR PURPOSE, EXTEND BEYOND THE DURATION OF THE RELEVANT EXPRESS LIMITED WARRANTY. IN NO EVENT SHALL JOME BE LIABLE FOR PUNITIVE, INDIRECT, INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES. Without limiting the foregoing, JOME assumes no responsibility for loss of use of product, loss of time, inconvenience or other damage.

Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above limitations and/or exclusions may not apply to you. This warranty gives you specific legal rights and you may also have other legal rights which vary from state to state.

KNOW YOUR BOAT



FEATURES



NOTICE: Specifications subject to change without notice. This diagram is for reference only and may differ from your actual Raptor.

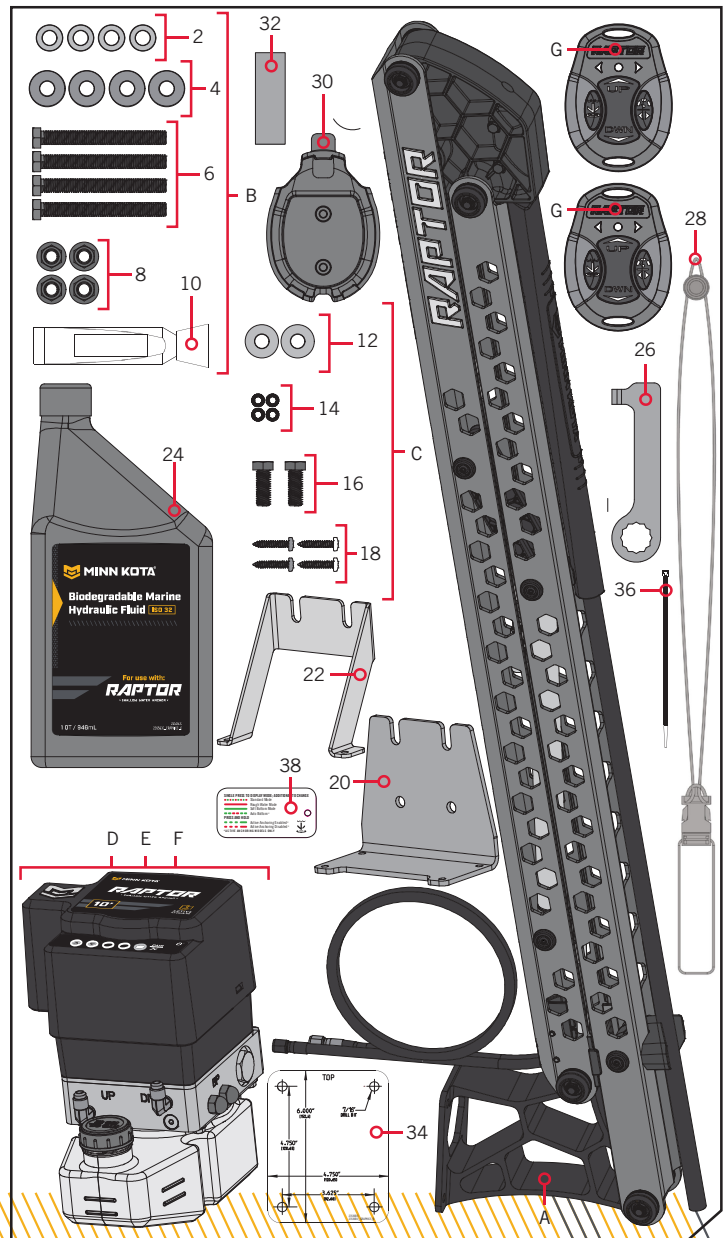
INSTALLATION

INSTALLING THE RAPTOR

Your new Raptor comes out of the box with the hardware you'll need to install it directly to the transom of your boat. If you have an irregularly shaped transom that cannot accept a direct mount, or you prefer to mount the Raptor with an adapter bracket for ease of mounting and removal, please visit minnkotamotors.com for details on our Raptor adapter brackets. For installation with a Raptor adapter bracket, refer to the installation instructions provided with the bracket. For compatible Raptor adapter brackets, to locate the nearest dealer, or for additional product support, please visit minnkotamotors.com. To install the Raptor directly to the boat, please follow the directions provided in these installation instructions. Please review the parts list, mounting considerations and tools needed for installation prior to getting started.

INSTALLATION PARTS LIST

Item / Assembly	Part #	Description	Qty.
A	✱	RAPTOR ASSEMBLY	1
B Items 2-10	2994943	BAG, ASM, RAPTOR HWD	1
2	2371758	WASHER-3/8 HD FLAT SS	4
4	2371759	WASHER-3/8 HD FENDER SS	4
6	2383421	SCREW-3/8-16X3 1/2 HHCS SS	4
8	2353102	NUT-3/8-16 FLANGE,NYLOK,SS	4
10	2378608	ANTI SEIZE TUBE, 4CC, TALON	1
C Items 12-18	2994944	BAG ASM, RAPTOR PUMP HDW	1
12	2351735	WASHER-3/8" BELLEVILLE SS	2
14	2351733	WASHER-#10 BELLEVILLE SERRATED	4
16	2353412	SCREW-3/8-16 X 1.0" HHCS SS	2
18	2353420	SCREW-#10-16X1.00 TY AB SS	4
20	2351933	BRACKET-MOUNTING, PUMP	1
22	2351934	BRACKET-REINFORCING	1
24	2357700	NRA-OIL-HYDRAULIC, QUART, RPTR	1
26	2358800	WRENCH-PRESSURE, RAPTOR	1
28	2390801	LANYARD, REMOTE	1
30	2371829	BRACKET,RMT DASH MNT HLDR	1
32	2375104	TAPE,MNTG,FOAM ULINE #S-10131	1
D	2774106	ASSEMBLY, MAIN PUMP STD 8' *8ft Standard*	1
E	2774105	ASSEMBLY, MAIN PUMP AA 8' *8ft AA*	1
F	2774107	ASSEMBLY, MAIN PUMP AA 10' *10ft AA*	1
G	2994156	TRANSMITTER ASM, RAPTOR	2
▲	2357141	INSTALL. INSTRUCTIONS,RPTR	1
▲	2357142	DISCLAIMER-DOWNLOAD,MANUAL	1
▲	2357140	MANUAL, RAPTOR ANCHOR	1
34	2358830	RAPTOR MOUNTING TEMPLATE	1
36	2376310	TIE WRAP	1
38	2354110	TAG, REMOTE, RAPTOR	1



✱ This part is included in an assembly and cannot be ordered individually.
▲ Not shown on Parts Diagram.