CORDED FOOT PEDAL

FOR TERROVA® & RIPTIDE® TERROVA

COMPATIBLE WITH TERROVA AND RIPTIDE TERROVA MOTORS MODEL YEAR 2017 AND AFTER

SAFETY CONSIDERATIONS

⚠ WARNING

You are responsible for the safe and prudent operation of your vessel. We have designed your Foot Pedal to be an accurate and reliable tool that will enhance boat operation and improve your ability to catch fish. This product does not relieve you from the responsibility for safe operation of your boat. You must avoid hazards to navigation and always maintain a permanent watch so you can respond to situations as they develop. You must always be prepared to regain manual control of your boat. Learn to operate your Foot Pedal in an area free from hazards and obstacles.

⚠ CAUTION

For safety reasons, disconnect the motor from the battery/batteries when the motor is not in use or while the battery/batteries are being charged. If the motor control is left on,and the Foot Pedal is accidentally engaged, and the propeller rotation is blocked, severe motor damage can result.

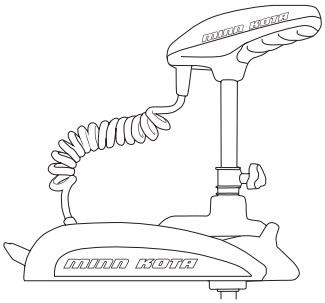
⚠ WARNING

Practice proper ergonomics when operating the foot pedal to prevent injury.

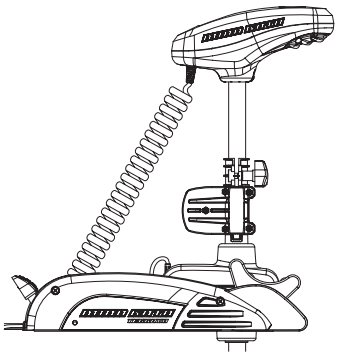
COMPATIBILITY

Compatible with Terrova and Riptide Terrova Motors Model Year 2017 and After

Refer to the motor images to ensure compatibility.



Terrova model year 2016 and earlier
that have round, black foot pedal plug



Terrova model year 2017 and after
that have round, black foot pedal plug

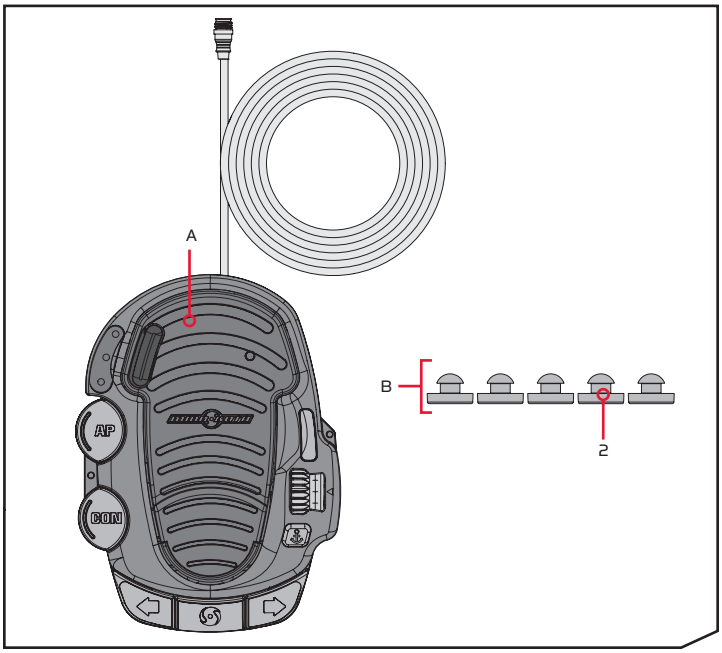
INSTALLATION

INSTALLING THE TERROVA & RIPTIDE TERROVA FOOT PEDAL

Your new Terrova Foot Pedal accessory comes with everything you'll need to directly install it on your trolling motor. These instructions are intended to show how to install your new Terrova Foot Pedal on a Terrova trolling motor. Please review the parts list and mounting considerations for installation prior to getting started.

INSTALLATION PARTS LIST

item / Assembly	Part #	Description	Qty.
A	2994721	FT PED ASY, TRV, W/SPOT LCK	1
B	2994859	BAG, ASY-TERROVA/V2, RUB BUMPERS	1
1	2377168 ▲	MANUAL-FOOT PEDAL TERROVA T2	1
2	2325110	PAD, FOOT PEDAL	5



▲ Not shown on Parts Diagram.

MOUNTING CONSIDERATIONS

Before installing your Terrova Foot Pedal, make sure that it is compatible with your motor. To review compatibility, please refer to the "Compatibility" section in this manual. When placing the Terrova Foot Pedal on your boat, select a location that will not obstruct boat operation and that is appropriate for trolling motor operation. Place the Terrova Foot Pedal in a foot pedal well on your boat if it has one, or any location where it will be free from water and debris.

INSTALLATION

Installing the Terrova and Riptide Terrova Foot Pedal

1

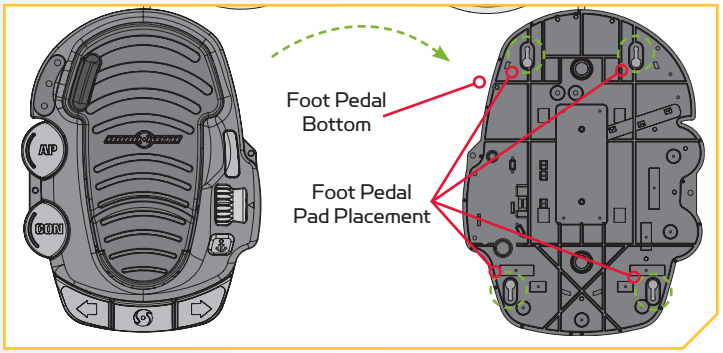
ITEM(S) NEEDED

#2 x 5

#A x 1

a. Take the Foot Pedal (Item #A) and turn it over. Put a Foot Pedal Pad (Item #2) in each of the pad locations.

NOTE: Adding the Foot Pedal pads is optional. The pads are recommended when using the Foot Pedal on non-carpeted surfaces.



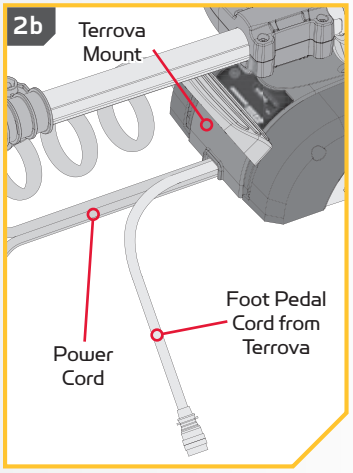
2

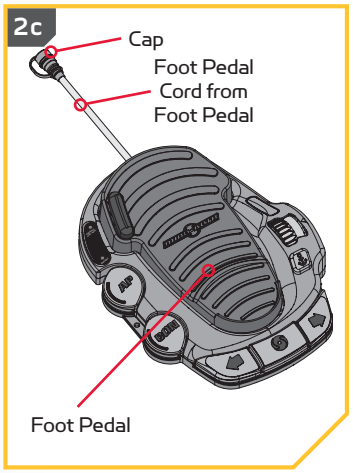
b. Locate the Foot Pedal Cord that exits the mount of the Terrova, next to the Power Cord.

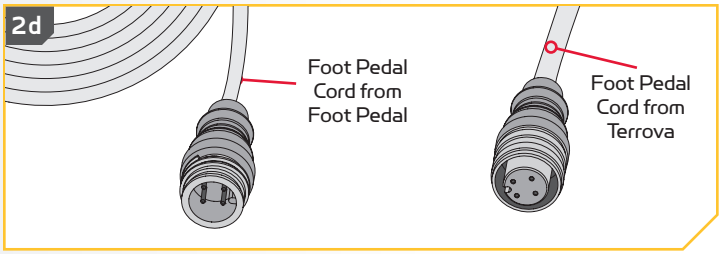
c. Unscrew the caps at the end of the Foot Pedal cords exiting the motor and the Foot Pedal.

d. Plug the cords together and make sure the connection is secure. Be sure to tighten the connector retaining nut.

NOTE: The connectors are keyed to prevent reversed installation.



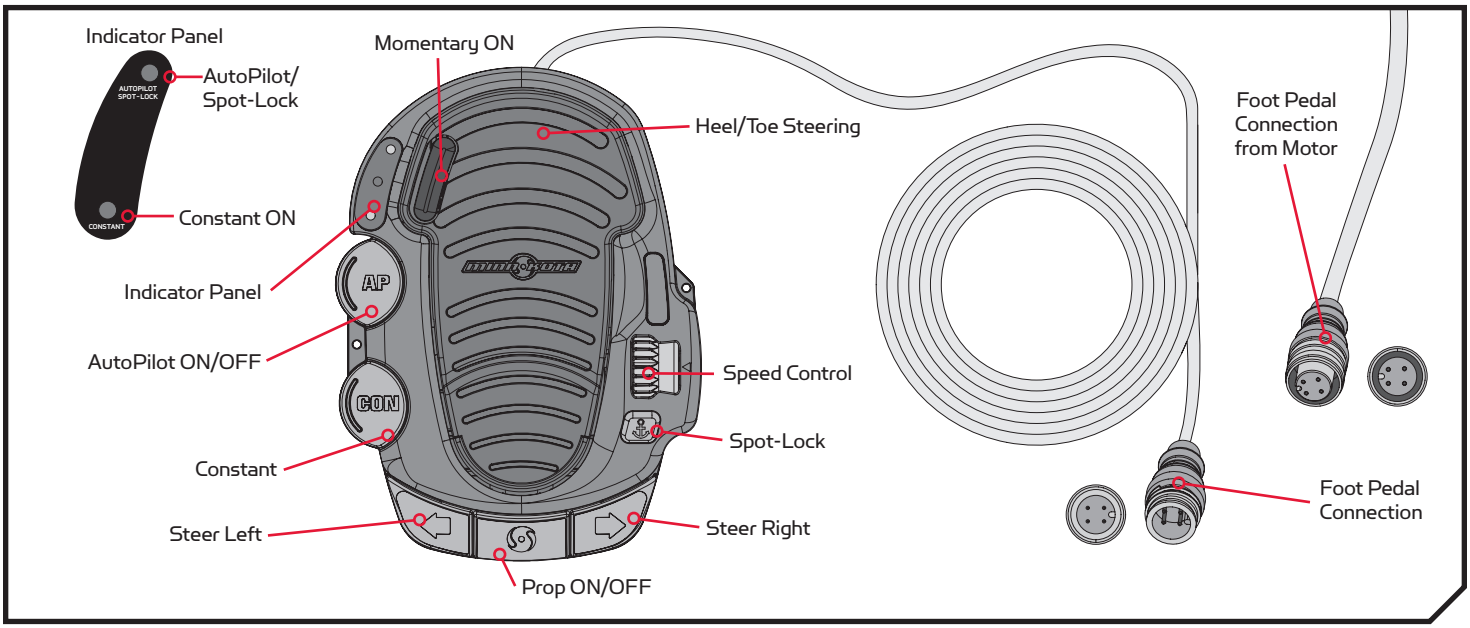




USING THE FOOT PEDAL

CONTROLLING SPEED & STEERING WITH THE FOOT PEDAL

The foot pedal is used to operate the motor, and controls on the foot pedal are easy to operate by either foot or hand. A light touch is all that is necessary. When equipped with the appropriate receiver, the motor can also be controlled by an i-Pilot or i-Pilot Link remote, as well as any compatible Minn Kota remote. Please refer to the i-Pilot, i-Pilot Link or compatible remote manual on how the remote controls the motor.



Motor Speed

The Speed Control knob is located on the right side of the Foot Pedal above the Spot-Lock button. Turn the Speed Knob forward to increase speed and backwards to decrease speed. The Speed Control knob can be set in a range from 0 to 10. Speed can also be adjusted using the remote.

Spot-Lock

The Spot-Lock button ⚓ is located on the bottom, right side of the Foot Pedal and is labeled with an anchor symbol. When the Spot-Lock button is pressed, the location of the motor is recorded to a temporary memory location. The blue light next to the Spot-Lock label on the Indicator Panel is illuminated when Spot-Lock is engaged. To engage Spot-Lock press the Spot-Lock button, to disengage, press the Spot-Lock button again. When engaging Spot-Lock, a tone will be emitted. When disengaging Spot-Lock with the Spot-Lock button, no tone will be emitted. Steering the motor with the Foot Pedal or adjusting the speed using the Speed Knob will cancel Spot-Lock and a High-Low, High-Low, High-Low tone will be emitted. Spot-Lock can also be controlled with the remote. For more specific directions on how to use Spot-Lock, please refer to either your motor manual, or the i-Pilot or i-Pilot Link Manual.

NOTE: The AutoPilot and Spot-Lock buttons on the Terrova Foot Pedal will only work if your Terrova motor comes with these features already installed on your motor. If your motor does not already have these features both buttons will be non-functioning.

WARNING

You are responsible for the safe and prudent operation of your vessel. We have designed the Terrova Foot Pedal to be an accurate and reliable tool that will enhance boat operation and improve your ability to catch fish. This product does not relieve you from the responsibility for safe operation of your boat. You must avoid hazards to navigation and always maintain a permanent watch so you can respond to situations as they develop. You must always be prepared to regain manual control of your boat. Learn to operate your Terrova in an area free from hazards and obstacles.

Practice proper ergonomics when operating the foot pedal to prevent injury.

Steer Right/Steer Left

The Steer Right and Steer Left buttons are located at the bottom of the Foot Pedal. They function to steer right and left. Holding the Steer Right or Steer Left buttons down will continue to steer the motor to the left or right. Small steering changes of less than one degree can be made by quickly tapping the Steer Right and Steer Left buttons. The position and direction of the Steering Head directly corresponds to the position of the motor. The direction of the motor can also be controlled with the remote.

CAUTION

The steering system is designed to turn your motor 360 degrees. Be careful to avoid over-wrapping the Coil Cord around the trolling motor Shaft. Over wrapping the coil cord will cause damage and prevent operation.

NOTE: The motor will not auto correct to drive straight when it encounters an obstruction.

Prop ON/OFF

The Prop ON/OFF button is located in the bottom, middle of the Foot Pedal. It functions to turn the Prop on and off. The Prop will turn on when pressure is applied and turn off when pressure to the button is removed. The Prop ON/OFF button functions very similar to the Momentary button.

Constant

The Constant button CON is located on the left side of the Foot Pedal, towards the bottom, right below the AutoPilot button. It functions to toggle the motor between Constant Motor Operation and Momentary Motor Operation. The green light CONSTANT on the Indicator Panel will be illuminated when the motor is in Constant Motor Operation. In Constant Mode, the propeller will continually run, regardless of whether or not force is being applied to the Momentary button or Prop ON/OFF button. While in Constant Motor Operation, the propeller will run continuously at the speed set by the Speed Control knob, or by the i-Pilot or i-Pilot Link remote.

If a propeller encounters an obstruction while either in Momentary or Constant Mode, while the propeller is running, the increased electrical current due to the obstruction will signal the motor to decrease the power to the propeller to prevent damage. If the current overload is detected for more than 20 seconds, the prop will be disabled to prevent damage to the motor. In this event, the operator can turn the prop back on after being sure that the obstruction has been cleared.

AutoPilot

The AutoPilot AP button is located in the middle, on the left side of the Foot Pedal. Pressing the AutoPilot button toggles the feature on and off for motor that are installed with this feature. The red light AUTOPILOT SPOT-LOCK on the Indicator Panel is illuminated when this feature is engaged. When AutoPilot is initiated from the Foot Pedal, the default AutoPilot mode is determined by the remote. AutoPilot can also be engaged and disengaged using the remote. For more specific directions on how to use AutoPilot, please refer to either your motor manual, or the i-Pilot or i-Pilot Link Manual. The AutoPilot Indicator on the Mount will also be illuminated when AutoPilot is engaged.

Momentary

In Momentary Motor Operation, the propeller will only run while downward force is applied to the Momentary button. The Momentary button is on the Toe End of the Heel/Toe Steering pedal. Applying downward pressure to the Momentary button will turn the propeller on. The motor will then run at the speed set by the Speed Knob or remote. Removing downward force to the Momentary button will turn the propeller off. No indicator light is associated with the Momentary button. The Momentary button functions very similar to the Prop ON/OFF button.

Heel/Toe Steering

Push the Toe End of the Foot Pedal down to turn right and push the Heel End of the Foot Pedal down to turn left. The position and direction of the Control Head directly corresponds to the position of the motor. You must use your foot on the pedal to control the steering direction during manual operation. The direction of the motor can also be controlled with the remote.

Steering in Reverse

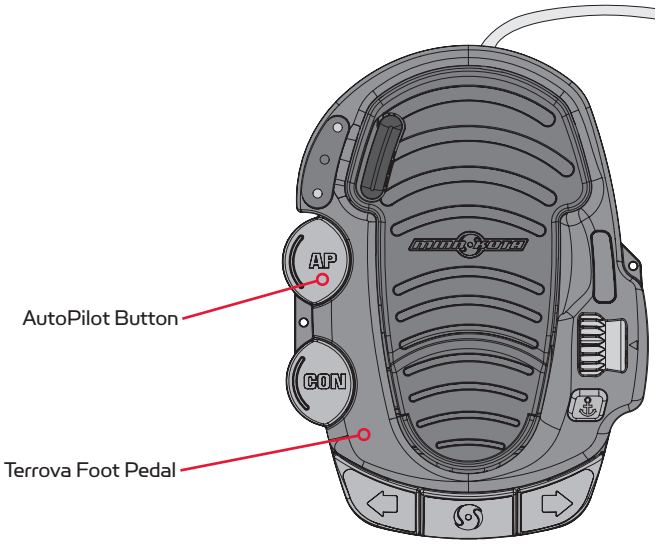
The propeller always turns in the forward direction. You can reverse the direction of thrust by turning the motor 180°.

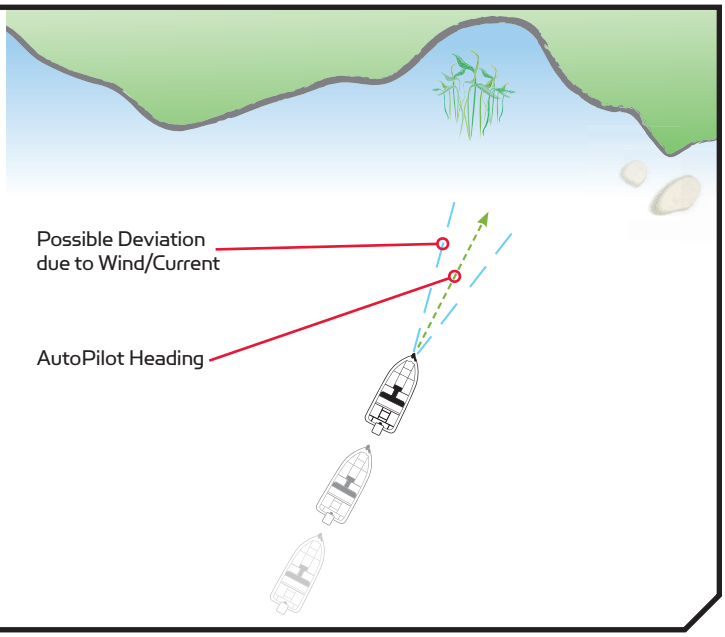
AUTOPILOT

AUTOPILOT™ CONTROLS

Your Terrova may be purchased with factory installed AutoPilot. The Minn Kota AutoPilot™ uses a magnetic compass and microprocessor chip to keep the trolling motor pointed in the direction you want to go. Each time the wind or water current moves the boat off course, the AutoPilot senses the change and steers itself back to the original heading. The AutoPilot direction is set every time a steering change is made. To change direction, steer until the Control Head points to the desired course. The AutoPilot will pull the bow of the boat around and correct automatically until the boat is moving in the direction you chose. If your motor is installed with AutoPilot, it may be controlled with the Foot Pedal, or if equipped with CoPilot receiver, the CoPilot remote, or i-Pilot or i-Pilot Link remote depending on your motor. Be sure to verify how AutoPilot is controlled on your motor if applicable. If your motor is installed with either i-Pilot or i-Pilot Link, please refer to the applicable owner's manual online for additional informaton on AutoPilot.

NOTE: The AutoPilot button on the Terrova Foot Pedal will only work if your Terrova motor comes with AutoPilot already installed on your motor. If your motor does not already have this feature this button will be non-functioning.





AutoPilot

AutoPilot uses an internal compass to provide heading lock. When AutoPilot is on, it keeps the motor pointed in the same compass direction. If a manual steering correction is made, AutoPilot locks onto the new compass heading to which the boat was steered. This method of heading tracking does not take into account external forces such as a side wind or currents, which can allow side drift.

⚠ CAUTION

This unit uses a magnetic compass to detect direction of travel. The compass can be adversely affected by magnets or large, ferrous metal objects near (within 12" of) the trolling motor control head.

Obstructions on the propeller may cause excessive vibration of the motor head. This vibration can cause the compass to wander and erratic steering to occur. Clear the obstruction to return the motor to normal operation.

This unit has an automatic steering shutdown for safety. In conditions where an obstruction prevents the trolling motor from turning, or in extremely windy conditions, the automatic steering may stop. Any steering input will reset the system to normal.

When AutoPilot is "on" and the trolling motor is pulled out of the water to the stow position, the steering motor will continue to run until the motor is stowed properly. Once the motor is stowed properly, AutoPilot will turn "off" and the AutoPilot Indicator will no longer be illuminated.

CONTROLLING AUTOPILOT

Toggle AutoPilot On/Off

When the AutoPilot is on and the trolling motor is pulled out of the water to the stow position, the steering motor will continue to run. Turn off AutoPilot to stop the motor. If AutoPilot is left on, the steering motor will shut off automatically after 10 seconds. The motor should not be stored in this condition for long periods as power is still being applied to all electronics. Always turn AutoPilot off and disconnect your motor from the battery when storing your boat.

1

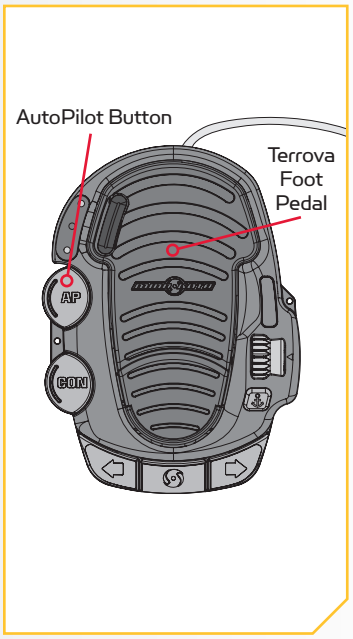
a. While the motor is running, AutoPilot can be turned on by pressing the AutoPilot button located on the Foot Pedal, CoPilot remote, or using either the i-Pilot or i-Pilot Link remote.

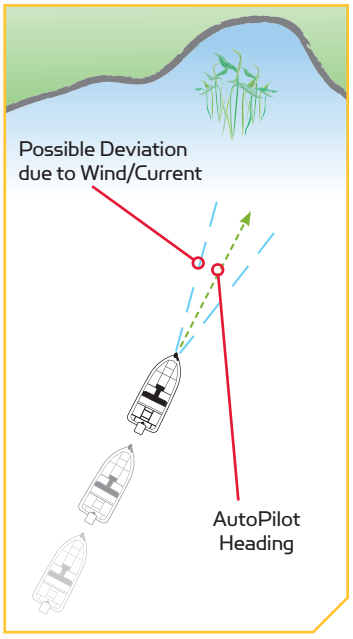
⚠ CAUTION

When the AutoPilot is on and the trolling motor is pulled out of the water to the stow position, the steering motor will continue to run. Turn off the AutoPilot switch to stop the motor. If the switch is left on, the steering motor will shut off automatically after 10 seconds. The motor should not be stored in this condition for long periods as power is still being applied to all electronics. Always turn the Autopilot switch off and disconnect your motor from the battery when storing your boat.

b. While AutoPilot is on, drive the boat as desired.

c. To turn AutoPilot off, press the AutoPilot button again.





NOTE: After steering to a new direction, there is a short delay before the direction is locked in to allow the compass to stabilize. When broad speed changes are made, the AutoPilot heading may change slightly. This is normal.

SPOT-LOCK

HOW SPOT-LOCK WORKS

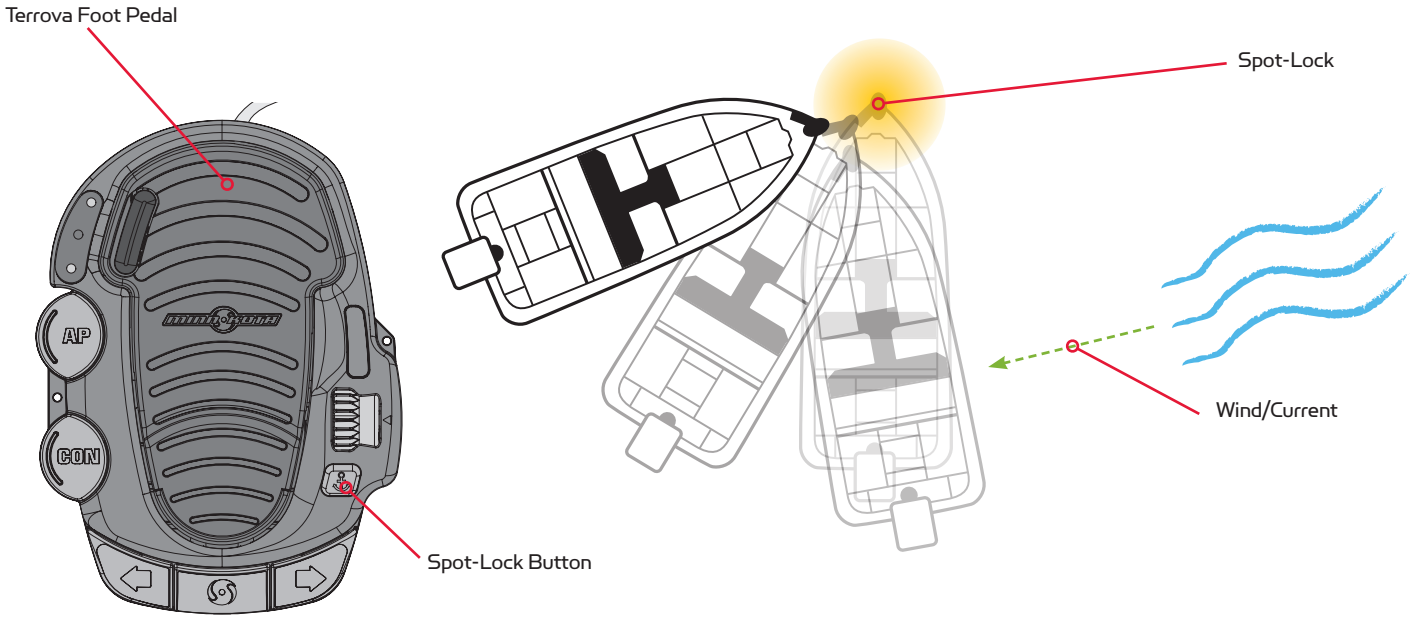
Spot-Lock uses a single point of reference that is recorded when the Spot-Lock button is pressed. The reference point is a set of GPS coordinates that are captured at the location of the motor at the moment the button is pressed. This point is recorded and can be saved into one of the Spot-Lock memory locations. Spot-Lock works by recognizing th GPS coordinates and will automatically navigate the boat to keep it at the Spot-Lock location. If i-Pilot Link sees the motor is not positioned at the Spot-Lock location, it will control motor speed and direction in an attempt to keep the motor on the Spot-Lock. For more specific directions on how to use Spot-Lock, please refer to either the i-Pilot or i-Pilot Link Manual.

NOTE: The Spot-Lock button on the Terrova Foot Pedal will only work if your Terrova motor comes with Spot-Lock already installed on your motor. If your motor does not already have this feature this button will be non-functioning.

NOTE: Spot-Lock is based on the location of the motor, not on the location or direction of the boat. Outside forces such as wind and current will cause the boat to move. Spot-Lock will navigate to maintain the motor on the Spot-Lock location regardless of the position of the boat.

⚠ WARNING

Watch for a turning propeller when working with Spot- Lock. The propeller will automatically turn on when Spot-Lock is engaged, even if the engagement is accidental. A turning propeller can cause injury. The propeller will turn "on" for Spot-Lock and regardless of the Prop Auto On setting used on the i-Pilot or i-Pilot Link navigational system.



CONTROLLING SPOT-LOCK

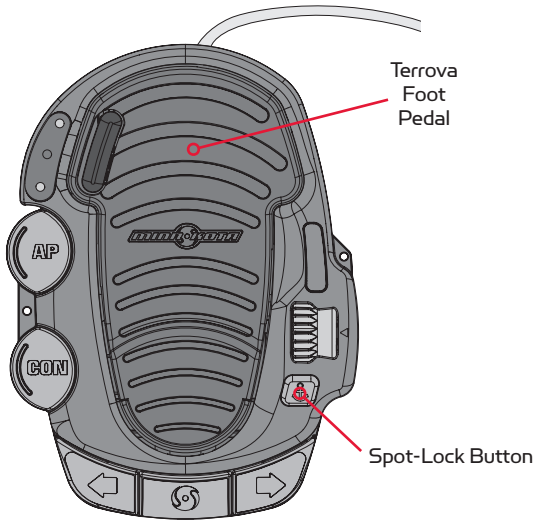
Toggle Spot-Lock On/Off

1

a. While the motor is running, Spot-Lock can be turned on by pressing the Spot-Lock button located on the Foot Pedal, a Micro Remote remote, or using either the i-Pilot or i-Pilot Link remote.

NOTE: If the Spot-Lock button is accidentally pressed, press the Spot-Lock button again to cancel Spot-Lock.

NOTE: Pressing any button on the foot pedal, or manually steering the motor with the foot pedal will disengage Spot-Lock. Manually steering or adjusting the Prop Speed with the Remote will also cancel Spot-Lock.



COMPLIANCE STATEMENTS

ENVIRONMENTAL COMPLIANCE STATEMENT

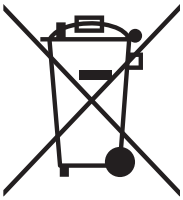
It is the intention of JOME to be a responsible corporate citizen, operating in compliance with known and applicable environmental regulations, and a good neighbor in the communities where we make or sell our products.

WEEE DIRECTIVE

EU Directive 2002/96/EC “Waste of Electrical and Electronic Equipment Directive (WEEE)” impacts most distributors, sellers, and manufacturers of consumer electronics in the European Union. The WEEE Directive requires the producer of consumer electronics to take responsibility for the management of waste from their products to achieve environmentally responsible disposal during the product life cycle.

WEEE compliance may not be required in your location for electrical & electronic equipment (EEE), nor may it be required for EEE designed and intended as fixed or temporary installation in transportation vehicles such as automobiles, aircraft, and boats. In some European Union member states, these vehicles are considered outside of the scope of the Directive, and EEE for those applications can be considered excluded from the WEEE Directive requirement.

This symbol (WEEE wheelie bin) on product indicates the product must not be disposed of with other household refuse. It must be disposed of and collected for recycling and recovery of waste EEE. Johnson Outdoors Inc. will mark all EEE products in accordance with the WEEE Directive. It is our goal to comply in the collection, treatment, recovery, and environmentally sound disposal of those products; however, these requirements do vary within European Union member states. For more information about where you should dispose of your waste equipment for recycling and recovery and/or your European Union member state requirements, please contact your dealer or distributor from which your product was purchased.



DISPOSAL

Minn Kota motors are not subject to the disposal regulations EAG-VO (electric devices directive) that implements the WEEE directive. Nevertheless never dispose of your Minn Kota motor in a garbage bin but at the proper place of collection of your local town council.

Never dispose of battery in a garbage bin. Comply with the disposal directions of the manufacturer or his representative and dispose of them at the proper place of collection of your local town council.

FCC COMPLIANCE

This device complies with Part 15 of the FCC rules.

Operation is subject to the following two conditions:

1. This device may not cause harmful interference.
2. This device must accept any interference that may be received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by Johnson Outdoors Marine Electronics, Inc. could void the user's authority to operate this equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. **If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:**

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

INDUSTRY CANADA COMPLIANCE

This product meets the applicable Industry Canada technical specifications. Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Changes or modifications not expressly approved by Johnson Outdoors Marine Electronics, Inc. could void the user's authority to operate this equipment.

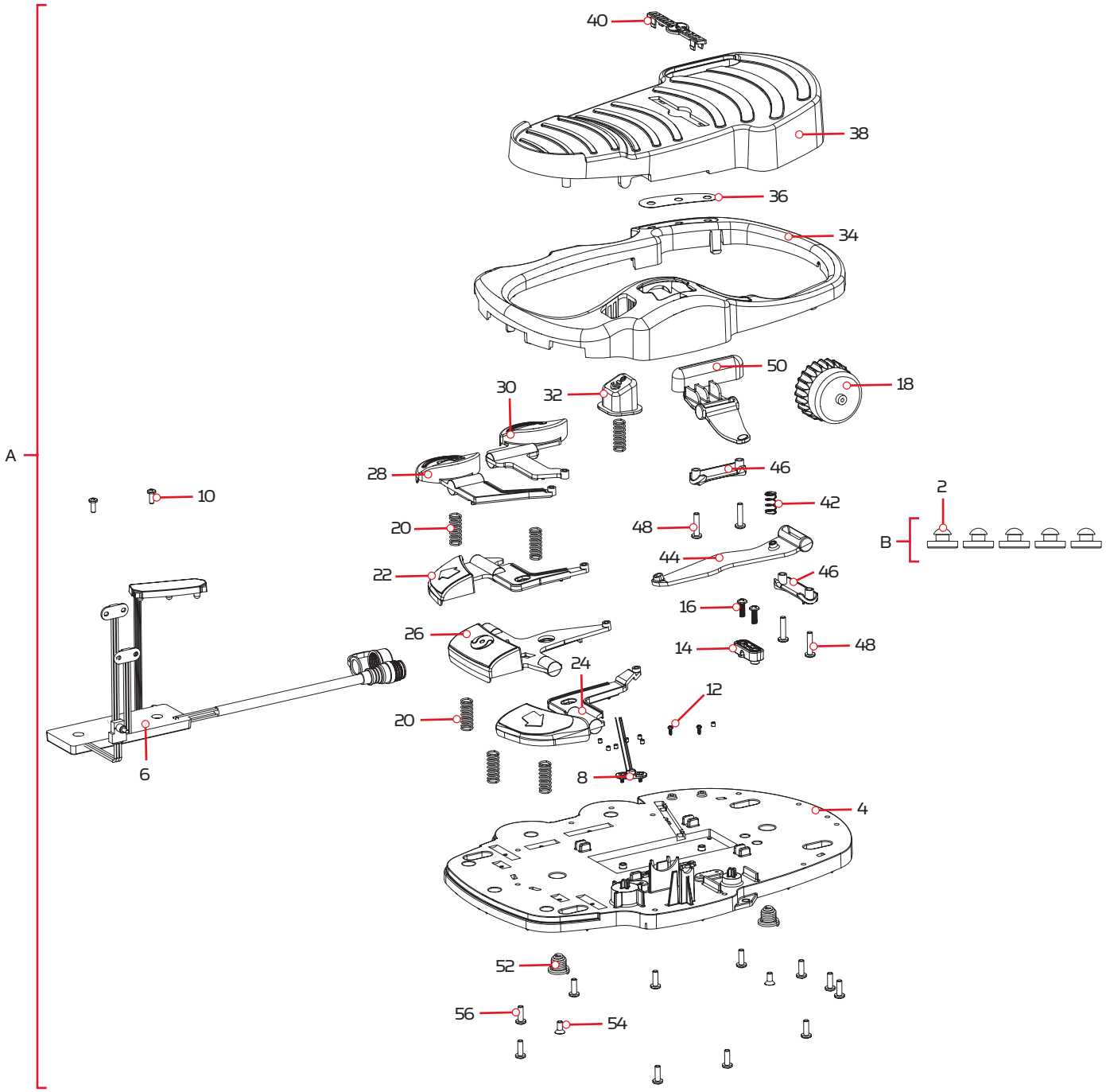
ENVIRONMENTAL RATINGS

Ambient operating temperature range: -10C to 50C
Ambient operating humidity range: 5% to 95%
Maximum operating altitude: 10,000 feet

PARTS DIAGRAM & PARTS LIST

TERROVA & RIPTIDE TERROVA FOOT PEDAL

Foot Pedal Parts Diagram



Foot Pedal Parts List

Assembly	Part #	Description	Quantity
A	2994721	FT PED ASY,TRV W/SPOT LCK	1
B	2994859	BAG ASY-TERROVA/V2,RUB.BUMPERS	1
Item	**Part #**	**Description**	**Quantity**
1	2377168 ▲	MANUAL-FOOT PEDAL TERROVA T2	1
2	2325110	PAD, FOOT PEDAL	5
4	2204500	BASE PLATE-ULTERRA / TERROVA	1
6	✖	MAIN ASSY, FOOT PEDAL, TERROVA	1
8	2373440	SCREW-#4-24 X 1/4 PHCR SS TY B	4
10	2332103	SCREW-#6-20 X 3/8 THD*(SS)	2
12	2302100	SCREW-#6-20 X 1/2 THD CUTS	2
14	2322900	STRAIN RELIEF, FOOT PEDAL	1
16	2372100	SCREW-#8-18 X 5/8 THD* (SS	2
18	2320100	KNOB-SPEED, FOOT PEDAL	1
20	2322704	SPRING, LARGE SHORT SS	6
22	2323730	BUTTON, LEFT STEER, TERROVA	1
24	2323731	BUTTON, RIGHT STEER, TERROVA	1
26	2323735	BUTTON, MOMENTARY, TERROVA	1
28	2323715	BUTTON,MOM/CON,FT PEDAL	1
30	2323725	BUTTON,AP,FT PEDAL	1
32	2203720	BUTTON, SPOT LOCK,ULTERRA/TRRV	1
34	2320206	NRES-COVER,HEEL TOE FT PED,TRV	1
36	2325655	DECAL, 3 INDICATORS, TERROVA	1
38	2324400	PEDAL,HEEL/TOE FOOT PEDAL	1
40	2326710	PLUG, FOOT PEDAL	1
42	2322714	SPRING SS	1
44	2328600	FLEX FINGER, FOOT PEDAL	1
46	2321300	CLAMP-LEFT, FT PEDAL	2
48	2223430	SCREW-#8x3/4 PPH,TYPE 25,SS	4
50	2323710	BUTTON,MOM LEFT,FT PEDAL	1
52	2322706	SPRING-BARREL SS	2
54	2323420	SCREW-#8-18 X 3/8" PFH SS TY B	2
56	2301310	SCREW-#8-18 X 1/2 (SS)*	11

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

RECOMMENDED ACCESSORIES

ON-BOARD & PORTABLE BATTERY CHARGERS

Stop buying new batteries and start taking care of the ones you've got. Many chargers can actually damage your battery over time – creating shorter run times and shorter overall life. Digitally controlled Minn Kota chargers are designed to provide the fastest charge that protect and extend battery life.

MK212PC

MK210D

MK110P

TALON SHALLOW WATER ANCHOR

Talon deploys faster, holds stronger and runs quieter than any other shallow water anchor. Available in depths up to 12' and bold color options including camo, it boasts an arsenal of features and innovations that no other anchor can touch:

- Vertical, Multi-Stage Deployment
- User-Selectable Anchoring Modes
- 2x Anchoring Force
- Fast Deploy
- Auto Up/Down
- Triple Debris Shields
- Built-In Wave Absorption
- Noise Dissipation
- Versatile Adjustments

MINN KOTA ACCESSORIES

We offer a wide variety of trolling motor accessories, including:

- 60-Amp Circuit Breaker
- Mounting Brackets
- Stabilizer Kits
- Extension Handles
- Battery Connectors
- Battery Boxes
- Quick Connect Plugs

Rely only on high-grade boat motors offered on our virtual shelves.