

OWNERS MANUAL

AVET REELS

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Congratulation on your purchase of Avet Reel. Avet Reels are high performance precision machined instruments that are simple to operate.

Before using your Avet Reel, please take a few moments to familiarize yourself with the setup, operating controls and basic care instructions. Avet reels are also available in True Left Hand retrieve models as well, being designed and machined mirrored to the right hand versions, not converted right hand models!

This Manual Covers.

Single Speed

SXJ, SX, MX, JX, LX, HX

Two Speed

SXJ, SX, MX, JX, LX, HX

Three Speed

HX

One Piece Rigid Frame

With the high output drag capabilities, and demanding durability required to land large aggressive saltwater fish, we had to engineer a frame that is up to task, Avet Reel bodies are machine with extreme precision and close tolerances from a solid billet of 6061-t6 marine/aircraft grade aluminum. The one piece frame construction gives Avet reels an incredible strength to weight ratio to withstand twisting and torque under pressure.

The Avedrag Dry Drag System

Avet reels feature space age carbon fiber drag plates. The carbon fiber drag plates are oversized (nearly the diameter of the spool), to provide the maximum surface area to provide a smooth, Powerful drag with minimal heat buildup and near zero wear. The drag system is operated by a single adjustable lever for simple worry free operation.

All Avet Raptor models feature our patented Dual Direct Drive Full Surface Caliper Brake System.

M.C Cast Control

The MC Cast Control or Magic cast is an adjustable magnetic anti-backlash cast control system using Avets patented Polar Amplification Technology to prevent line overrun and 'birds nests ' while casting. Unlike mechanical anti-backlash systems that add friction to the spool, the M.C Cast System doesn't make contact with spool at all, and only affects the spool when it spins at High speed, leaving the free-spool unaffected at low speed, it works by interrupting the magnetic field created by the spinning aluminum spool using an eddy current created by a powerful, patented adjustable intensity magnetic system. The M.C Cast is the most reliable and consistent cast control available, making the Avet M.C Reels the easiest reels to cast, even if you never cast a conventional style reel.

Stainless Steel Ball Bearings

All Avet Reels feature high quality rubber sealed stainless steel ball bearings for salt water Residence, smooth operation and superior free spooling

Precision Machined Gears

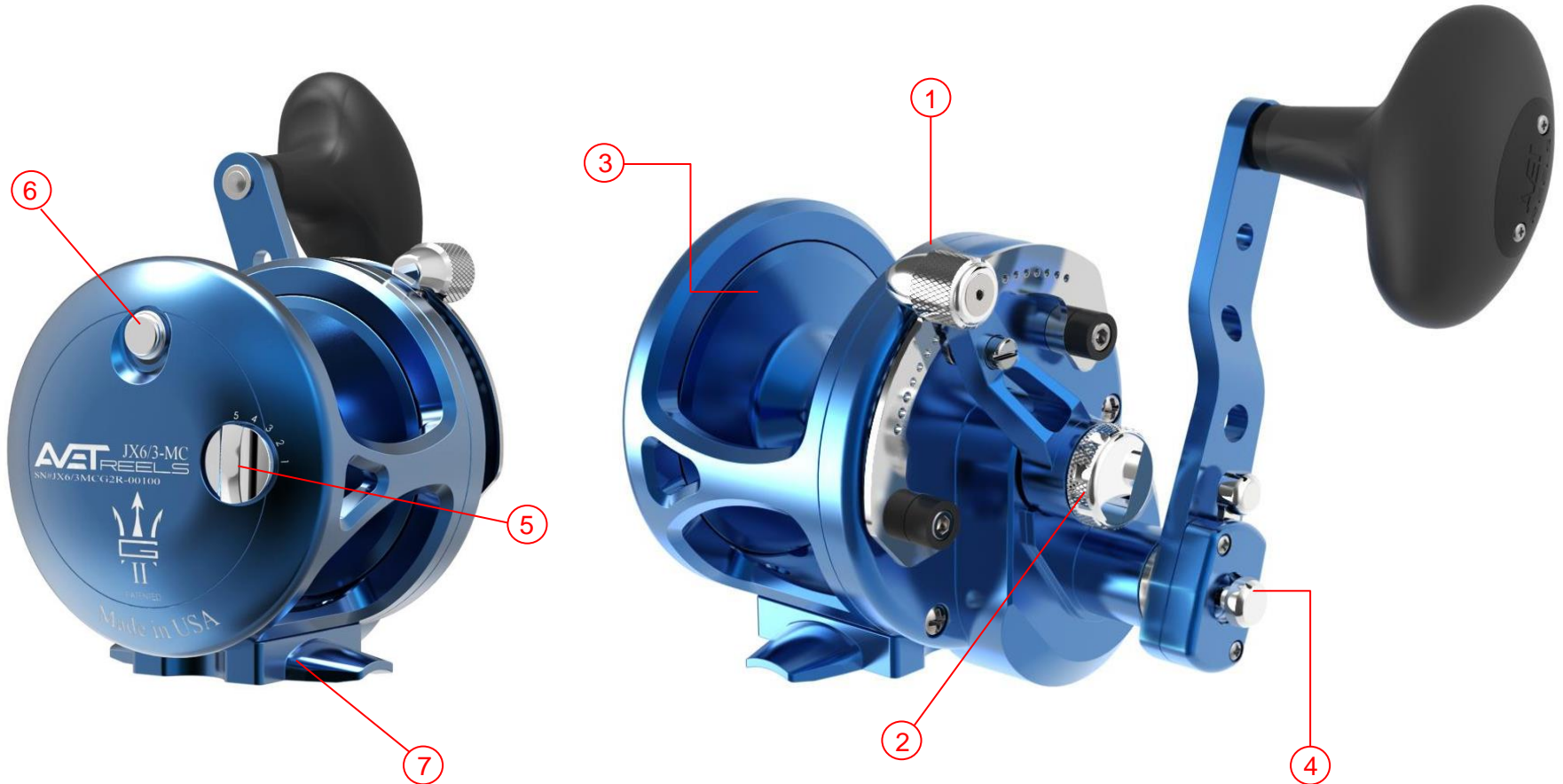
All Avet Reels models contain special, high quality gears made of stainless steel. All gears are Precision manufactured in our factory.

Stainless Steel Components

Avet Reels feature high quality stainless steel components, machined in house to our exacting Quality standards, on the same precision machinery as our spools and frames.

Large Line Capacity Spool

Avet spools are machined from solid billet 6061-T6 stock the same precision and quality as the Avet Frame. The spool offer extra large line capacities, while remaining lightweight for efficient Casting.



- 1. Lever
- 2. Drag Pre-set Knob
- 3. Spool

- 4. Pusher
- 5. M.C Cast Control
- 6. Clicker

- 7. Reel Mount (Reel Foot)

01. The lever Drag

As you move the Drag Lever back and forth, a series of firm detent “clicks” can be felt. Each detent position denotes a specific function or setting

SX – MX – JX/LX Models Without Glide Plate

With lever all the way back to the free position the drag system is disengaged allowing the spool to free-spin for casting or dropping your lure or bait. Advancing the Lever forward to the first detent lightly engages the drag to the bait setting, which is useful for allowing a live bait to swim, or letting line out while trolling without over running the line on the spool.

Advancing the Lever forward to the next detent is the strike position. The strike position is where the drag system is fully engaged and pre-set to the drag pressure appropriate for the line class that you choose to use on the reel. Advancing the Lever pass the strike position to the full position increases the drag to maximum pressure.

Moving the Lever back and forth from the bait position to the full position allows finely variable drag from light to heavy pressure.

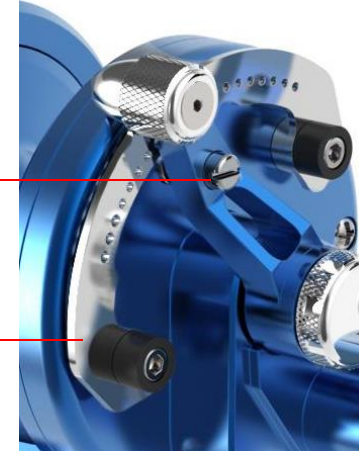


HX – Raptor and G2 with Glide Plate

The Lever works the same way as all of the other Avets, with the additional of ratcheting Glide Plate that the Lever rides on, and the strike stop button located on the Lever arm. The strike stop button stops the levers' advancement past the strike position to prevent accidental movement to the full drag position. Simply press the button down to move the lever forward into the full drag position. The bait position eliminated on these models.

Strike stop button

Glide Plate

**02. Pre-setting the Drag**

The Avet Lever drag system is designed to work by pre-setting the drag relative to the pound test (rated breaking strength) of the line you choose to use on the reel. The drag pre-set should be set So the drag slips at 25% to 30% of the lines rated strength when the lever is moved to the strike Position. This setting builds in a good safety margin to allow for weak links in your line, like frays, Nicks, knots and overall line wear, as well as line drag created from friction as the line travels through the rod guides. With the lever backed off to the free position, use the drag pre-set knob to adjust by turning it clockwise to increase pressure, and counter-clockwise to decrease it. Move the Drag lever to the strike position and test the drag pressure by pulling line from the spool using a Spring type, or digital fish scale. Back the lever off and adjust as necessary until the scale reads 25-30 % of the line test (Example: 20lb. test = 5-6 lbs. Of drag at strike). Always back the lever off to the free position when adjusting the pre-set knob. It is possible to damage the drag adjustment Mechanism if the knob is adjusted without the lever backed off. Always pre=set your drag to the weakest section of line you will be using. If you are using a leader or top-shot that is weaker than your main line, set the drag to the leader or top-shot.

03. Spooling Line

There are many different types of fishing line available to anglers today, ranging from nylon monofilament to super strong, ultra small diameter braided lines, Avet Reels are compatible with all of them!

Monofilament Line

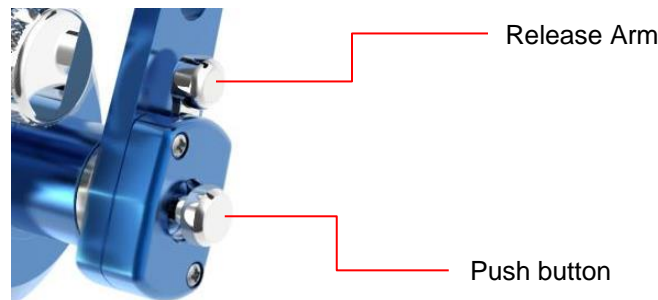
actual line capacity will vary depending on many facts such as brand, thickness, material, how tightly it's packed, etc. Be sure the line goes on your reel spool in the same direction that it comes off of the bulk spool to prevent line twist. How you tie the line to the spool is a matter of personal preference, but be sure to tie it around the spool arbor tightly. Load the line under plenty of tension and pack the spool firm and leave while winding. Fill the spool approximately 1/8" from the edge of the spool flange. For best performance keep your spool fully loaded. A full spool will make it easier and faster to recover line.

Braided line

The super-braided lines with extremely small diameter for their strength will dramatically increase line capacities. This can be a big advantage to anglers targeting hard fighting, long running fish due to their extreme strength to diameter ratios, but some special precautions should be used.

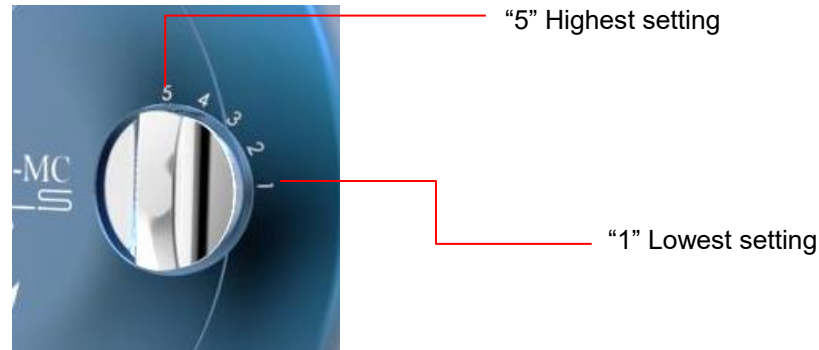
4. Shifting Gears

The simple yet reliable shift system that Avet has built into the two and three speed models is so easy to operate, that it becomes second nature almost immediately. The shift button is located on the center of the handle arm. To shift to high gear push the release arm located next to gear push button



5. M.C Cast Control

Turn the M.C knob to the maximum setting "5". While casting, hold the spool with your thumb, cast , and let the fly! While the lure is flying through the air, don't thumb the spinning spool, let the Magnet do its work. Just before the lure hits the water, stop the spool with your thumb. Repeat, And gradually reduce the adjustment setting with each cast. Once you see loose line forming on The spool while its spinning, increase the setting by one number. Casting lighter weights will Require higher setting, and heavier weights will use lower settings , you will quickly develop a "feel" for which settings work best for your style of casting, the type of rod you are using, different weights, and casting into head winders.

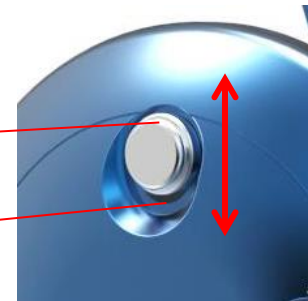


6. Alarm Clicker

Slide the clicker button down to engage the clicker alarm and slide it up to disengage. When the clicker is engaged it serves as a sound alarm when line is pulled from the reel. It is designed to use only as a warning signal, and should be disengaged while retrieving or fighting fish to prevent premature wear. The clicker is not designed to be used as a spool brake or an anti-over run device for kite fishing or other special techniques.)

Disengage

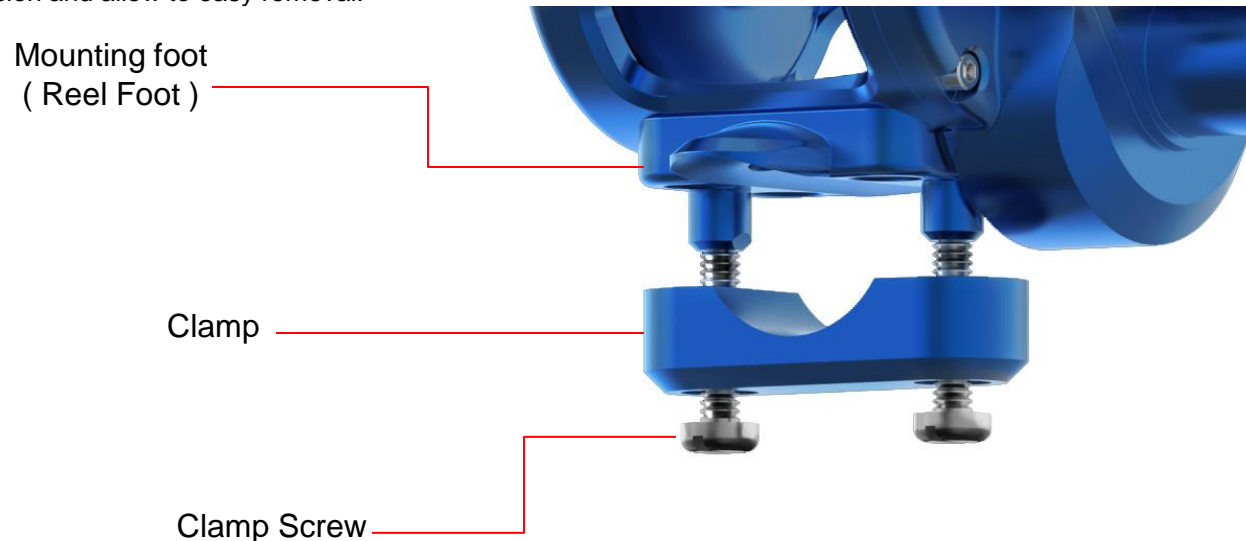
Engage



7. Mounting

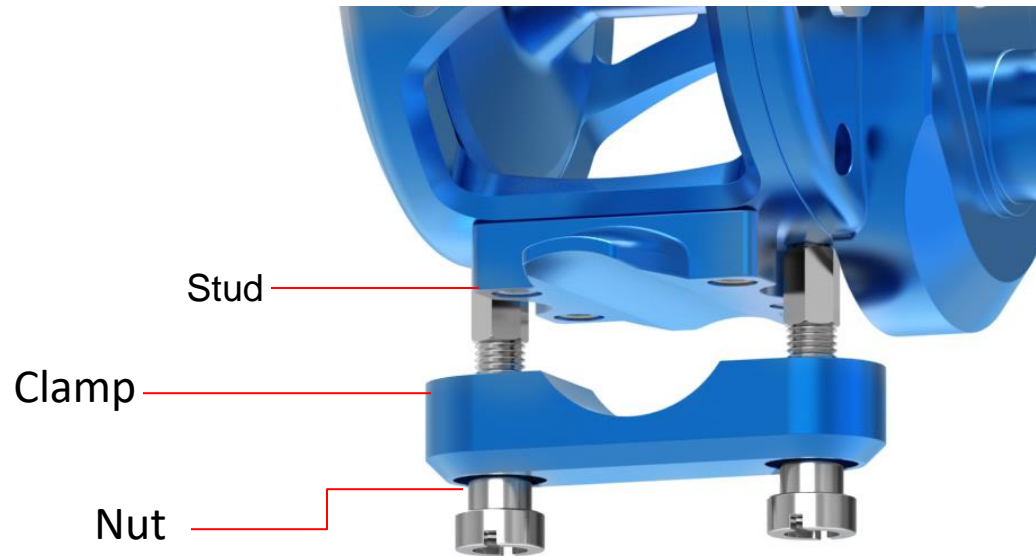
i.SX, MX MODELS

Slip the mounting foot (Reel Foot) into the hood pocket on the reel seat on your rod and tighten the locking nut securely. These smaller reel can be used with or without clamp if you have a trigger style seat because of the ergonomic shape of the seat you may not be able to use the clamp. Be sure the reel foot fits deep and securely into the rear pocket to avoid the possibility of the reel popping out under the load. (If it dose not fit securely on trigger seat, we offer a special shape foot designed specifically for trigger seat as an accessory). To mount the reel to a round body reel seat or to a rod without seat, place the reel on to the rod align the clamp holes to the threaded holes on mounting foot (reel foot) and install the clamp screws. Use a small amount of grease or on the threads to prevent the corrosion and allow to easy removal.



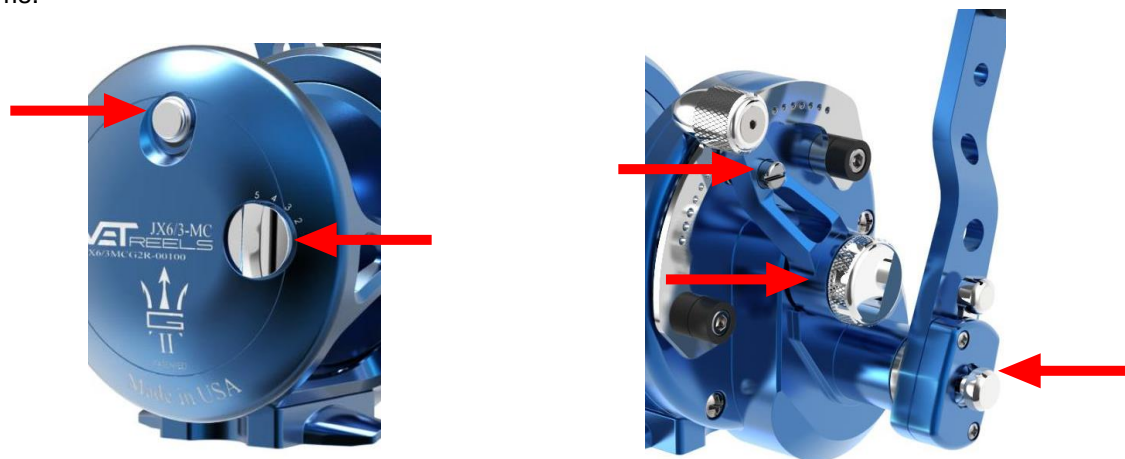
ii. JX, LX MODELS

Apply a small amount of lube or grease to the both side of the threads of mounting studs and shoulder nut threads, screw them in to the threaded holes on bottom of the reel and tighten securely with supplied wrench. Install the reel on to the reel seat on the rod (or position the reel on the rod handle for the seat less rods). Place the clamp over the studs, screw the nut on the studs, use the pronged end of the supplied wrench to securely tighten the nuts



We suggest removing the reel from aluminum reel seat and rinsing the reel, as well as reel seat, with fresh water after each salt water to avoid corrosion, and prevent the locknuts from sizing.

For maximum durability, reasonable care must be given for ultimate performance of the reel. After each fishing trip the reel should be cleaned. Rinse the reel in fresh water to remove accumulated salt deposits. Dry moisture from the reel and sparingly lube exposed mechanisms.



You should use a high quality spray lubricant sprayed on to rag to wipe down the outer surfaces of the reel to protect it and displace any moisture. do not spray lubricant directly on the reel. Spray lube at as a penetrating solvent which will dissolve and flush away the grease and lubricant. Your Avet reel should be stored in a cool and dry place, DO Not store in sealed plastic bag or airtight container as the reel may develop condensation. Always be sure to store reel with the lever drag in free position to release the pressure from various components of the reel, this will also allow the drag surface and internal parts if they are wet. Periodically examine your reel for loose screws or fittings and take action if necessary. We highly recommend to send you Avet reel for service to our service department once every season. (please check our website or call us for service fees) For self-service, use the part schematics listed in our web site. Select clean, well lit work area and proper tools. Organize the parts in order in which you remove them, don't rely just on your

memory. An old toothbrush, mineral sprits, denatured alcohol or common dish soap and water are safe alternatives to clean and degrease parts. When reassembling the reel, lubricate the frictional surfaces of moving parts using a high quality waterproof grease and such as the Avet Ultra Grease and Avet Lube. Do not over lubricate, as lube in the wrong places such as the drag surfaces can cause poor performance. Sparingly apply grease to high friction components like gear teeth, cam surfaces and clicker assembly. The spool bearings should be sparingly lubed with a high quality oil like Avet lube, with the excess bottle away to avoid flinging and contaminating the drag surface when the spool spins. The drag surface don't wear out on Avet reel, and only need replace in extreme cases. If the drag feels less than perfect, a simple cleaning will refurbish it to like new performance. Remove the bearing from the spool, run the spool and carbon drag surface under warm tap water, with drop of dish washing soap and a tooth brush, vigorously scrub the carbon surface to remove any contaminates. Hold the spool under the warm tap water and continue scrubbing until the foam disappears and blot dry with a paper towel. Never attempt to remove the carbon fiber drag from the spool (Raptor models are not attached), the drag it can only be replaced in our factory, using specialized fixture to insure perfect trueness. When final assembling your Avet reel, lubricating the screw threads and holes will make it easier to remove the next servicing, as we;; as insulating to prevent electrolysis and protect them from corrosion. Tighten the screws securely with a correct fitting screwdriver, but do not over tighten.

To Obtain Routine, Service or Non Warranty* Repair

Carefully package the reel, include a note with a brief, but detailed description of the service or repair you need, a daytime phone number to contact you. Please before sending you reel for service, call ahead to make sure it isn't something that can be handled without send the reel

* see warranty coverage on page 14

Avet reels warrants this product to be free from defects in materials and workmanship for a period of one year from the date of purchase. This warranty does not cover damage or malfunction caused by abuse, lack of maintenance, improper lubrication, sand, salt, or debris on or in the reel, normal expected wear, incorrect line spooling, use beyond the reel's recommended drag or line capabilities, bearings, or damage from accidents. If your reel has a defect within the terms of the warranty, you should contact us by phone: (818) 576- 9895, or e-mail: reels@avetreels.com before returning to the factory. To return the reel to us, ship it parcel post, return prepaid and insured, track-able, with a daytime phone number to contact you to:

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and we will repair or replace your reel at our option, without further cost to you. if, however we determine after inspection that the repair is not covered under the provisions of this warranty, you will be contacted, the reel repaired, and returned to you at a reasonable charge for labor and parts. All warranties, which may be implied by operation of law, including but not limited to warranties of merchantability and warranties of fitness for any particular purpose, shall be limited to one year from the date of purchase. In no event shall Avet reels be liable for consequential or special damages for breach of this warranty or any other warranty, which may be implied by law. Some states do not allow limitations on how long an implied warranty lasts. Some states do not allow the exclusion of consequential or special damages, so the above limitation and/or exclusion may not apply to you. This warranty gives you specific legal rights, and you may also have other rights, which vary from state to state. Avet reels warrants this product for USA customers only. For international customers, please check warranty service details with your local dealers