

# V-MAG™ 3

Fresh Water & Light Salt Water Baitcasting Reel



Thank you for purchasing the Ryobi V-MAG™3, one of the fine family of precision bait casting reels we produce.

## LIMITED 1-YEAR WARRANTY

RYOBI AMERICA CORPORATION ("RYOBI"), 1158 Tower Lane, Bensenville, Illinois, 60106, warrants to the original purchaser at retail that new Ryobi V-MAG™3 shall be free from defects in material and workmanship for a period of One (1) year from the date of purchase.

In the event of a malfunction or failure of your RYOBI fishing reel, simply return the fishing reel, properly packaged and postage prepaid to a RYOBI Factory Full Service Station. The location of the service center nearest you can be obtained by contacting the Service Representative at RYOBI at the above address. At the time of the request for warranty service, the purchaser must present proof of purchase documentation which includes the date of purchase (for example, a bill of sale). Upon confirmation that the malfunction or failure is a result of a defect covered by this warranty, RYOBI shall, within ninety (90) days after receipt of the fishing reel, at its option, repair or replace the defective fishing reel.

This warranty is limited to the original purchaser at retail and is not transferable. The warranty shall only cover defects arising under normal usage. RYOBI assumes no responsibility whatsoever for malfunctions, failures or defects resulting from misuse, abuse, neglect, alteration, modification, or repairs by other than RYOBI Factory Full Service Station. This warranty covers all fishing reels with the exception of beginner's and children's models and reels retailing for less than \$7.00. RYOBI makes no other warranties, representations or promises as to the quality or performance of its fishing reels other than those contained herein.

Any implied warranty granted under state law, including warranties of merchantability and fitness for a particular purpose, are limited in duration to the express warranty granted hereunder. RYOBI in no event shall be liable for direct, indirect, incidental or consequential damages. Some states do not allow limitations on how long an implied warranty lasts/or do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations and exclusions 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.

## ■ HOW THE V-MAG™3 WORKS

Introducing the V-MAG™3 ... The baitcast reel that combines our V-spool with a magnetic brake ... virtually eliminating backlash.

Here's how it works.

At the beginning of your cast, the snap action of the rod propels the lure forward.

The speed of the lure pulls the line off the spool causing the spool to rotate at a high rate of speed.

If the spool continues rotating at the same rate of speed as at the beginning of the cast ... You are headed for a backlash.

Casting with the V-MAG™3, featuring the Ryobi V-spool, the amount of line coming off the spool coincides with the natural slowing of the lure to reduce the possibility of backlash and provide maximum control of the cast.

In addition spool rotation is directly reduced in proportion to the pulling line speed by magnetic power

By combining our V-spool with magnetic brakes the V-MAG™3 does virtually eliminate backlash.

## ■ SPECIFICATION

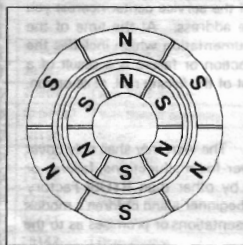
MODEL NO.	OILLESS BEARING	GEAR RATIO	WEIGHT	LINE CAPACITY
V-MAG™3	3	4.1 :	6.0oz./ 171g	120yds.—10 lb. 170m—0.25mm dia. 90yds.—12 lb. 110m—0.30mm dia. 80yds.—14 lb. 70m—0.35mm dia.

## ■ FEATURES

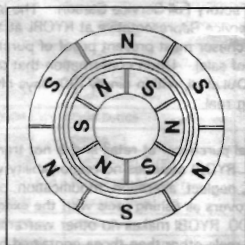
- 1 Fine adjustment of magnetic power is easily controlled by the magnetic control dial on the left side plate.

Magnetic power is eliminated on the 0 setting, and maximum on setting 10.

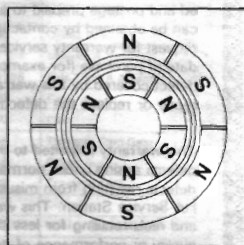
The following illustration shows the intensity of the magnetic field.



Setting the dial at 0.



Setting the dial at 5.



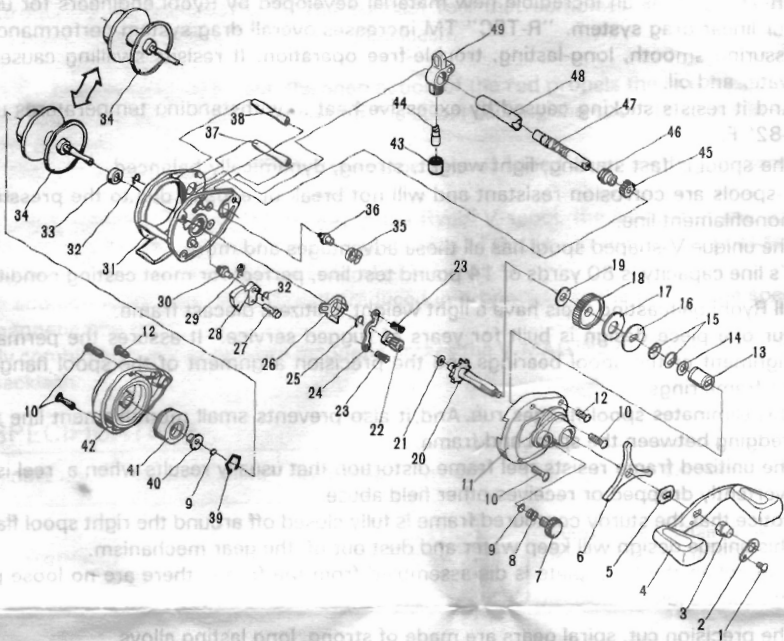
Setting the dial at 10.

- 2 With conventional baitcasting reels. It is necessary to exchange brake shoes according to the casting conditions.

Our V-MAG™3 can be simply adjusted to work smooth and quiet under any casting condition.

- 3** "R-TEC"™ is an incredible new material developed by Ryobi engineers for use in our linear drag system. "R-TEC"™ increases overall drag system performance by assuring smooth, long-lasting, trouble-free operation. It resists swelling caused by water and oil.  
And it resists sticking caused by excessive heat ... withstanding temperatures up to 482° F.
- 4** The spool is fast starting, light weight, strong, dynamically balanced.  
V-spools are corrosion resistant and will not break or expand due to the pressure of monofilament line.  
The unique V-shaped spool has all these advantages and more.  
It's line capacity is 80 yards of 14 pound test line, perfect for most casting conditions.
- 5** All Ryobi baitcasting reels have a light weight, unitized, diecast frame.  
Our one piece design is built for years of rugged service. It assures the permanent alignment of the spool bearings and the precision alignment of the spool flanges is the frame rings.  
This eliminates spool flanges rub. And, it also prevents small monofilament line from wedging between the spool and frame.  
The unitized frame resists reel frame distortion that usually results when a reel is inadvertently dropped or receives other field abuse.  
Notice that the sturdy contoured frame is fully closed off around the right spool flange. This unique design will keep water and dust out of the gear mechanism.  
Also, when the head plate is dis-assembled from the frame, there are no loose parts that can be lost.
- 6** The precision cut, spiral gears are made of strong, long lasting alloys.  
The gear train will give years of smooth, quiet service.
- 7** Three high quality, precision oilless bearings will serve for many years of trouble-free use.
- 8** The star drag is smooth, quiet and easily adjusted.
- 9** The level wind mechanism is automatically disengaged when the free spool button is depressed and automatically re-engaged when the handle is turned less than 22 degrees.
- 10** The level wind mechanism is designed with an elongated ceramic line guide that is positioned forward in the assembly. Doing so removes the necessity to center the line guide during casting.  
The forward position of the line guide allows the line to flow easily off the spool during a cast with minimal friction.  
The elongated ceramic slot is polished to reduce line friction.
- 11** The hard, contoured handle knobs have that extra length that allows you to comfortably change your finger grip while cranking.

# PARTS LIST



NO.	Parts No.	Name of Parts	No.	Parts No.	Name of Parts	No.	Parts No.	Name of Parts
1	20072	Retaining Plate Screw	18	08110	Main Gear	34	0206156	Spool Assembly (U)
2	39292A	Retaining Plate	19	27285	Washer	35	0233108	Anti-Reverse Claw Assembly
3	18054	Handle Retaining Nut	20	0248033	Ratchet Gear Assembly	36	19245	Anti-Reverse Claw Screw
4	0207179	Handle Assembly	21	27157	Adjusting Washer	37	12323	Support Pole B
5	27287	Spring Washer	22	0209116	Pinion Gear Assembly	38	12346	Support Pole C
6	07180	Star Drag	23	28362	Clutch Spring	39	42035	Retaining Ring
7	19246	Adjusting Screw	24	15207	Clutch Lever	40	38066	Oilless Bush
8	28365	Adjusting Spring	25	42009	Retaining Ring	41	0239354	Magnet A Assembly
9	39357	Brake Piece	26	14106	Clutch Cam	42	0204168	Side Plate A Assembly
10	20201	Side Plate Screw	27	23125	Push Button Pin	43	19167	Cap
11	0204167	Side Plate B Assembly	28	35041	Push Button	44	33100	Claw
12	20106	Screw	29	28360	Spring	45	10088	Traverse Cam Gear
13	17125	Drag Collar	30	19208	Push Button Screw	46	38048	Oilless Bush
14	27288	Washer	31	0203121A	Main Body Assembly	47	14108	Traverse Cam
15	27288	Drag Washer	32	42025	Retaining Ring	48	41095	Cover
16	26141	Drag Washer	33	38065	Oilless Bush	49	0239293	Holder Assembly
17	26142	Drag Washer	34	0206155	Spool Assembly (V)			



**RYOBI AMERICA CORP.**

1150 TOWER LANE, BENSenville  
ILLINOIS, 60106, U.S.A.  
PHONE (312) 766-1621



**RYOBI LIMITED**

3-15-1 SOTOKANDA CHIYODAKU  
TOKYO, JAPAN  
PHONE (03) 257-1511