

Maintenance

Never dry fire your bow. Shooting without an arrow on the string can cause damage to your bow, as well as injury, and voids your warranty.

The Zebra ZS Twist bowstrings should be periodically waxed. Check strings and cables for fraying damage. When changing bowstrings, make sure to use the correct size.

Your Mission bow requires no lubrication. All bushings are self-lubricating or have sealed ball bearings.

Do not alter your bow in any way. Doing so will void the warranty.

Use only a double-pull bow press. Damage caused by a single-pull press will not be covered under warranty.

Store your bow away from heat. Extreme heat may cause damage to strings, limbs and other parts and you will void your warranty.

Repairs and shipment

Please visit your **MISSION** retailer for all service and repair needs. All warranty returns will require a **Return Authorization (RA)** number which your retailers can obtain. This RA number must be clearly printed on the outside of the box. A package without an RA number will be refused delivery.

Warranty registration

To validate the limited lifetime warranty on your bow, it must be registered with **MISSION** upon purchase from your authorized **MISSION** retailer. If it is not registered through your retailer, you can register it online at www.missionarchery.com.

Limitation of Liability: MISSION ARCHERY SHALL NOT BE LIABLE FOR ANY SPECIAL OR CONSEQUENTIAL DAMAGES THAT RESULT FROM THE PERFORMANCE AND USE OF THE PRODUCTS, EVEN IF MISSION ARCHERY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. APPLICABLE LAW MAY NOT ALLOW THE LIMITATIONS OF EXCLUSION OF LIABILITY OR INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS OR EXCLUSION MAY NOT APPLY TO YOU.

Limited Lifetime Warranty: THIS MISSION BOW IS WARRANTED AGAINST DEFECTS IN MATERIALS AND WORKMANSHIP TO THE ORIGINAL OWNER, WHEN PURCHASED AT AN AUTHORIZED MISSION RETAILER, FOR THE LIFE OF THE ORIGINAL OWNER. THIS WARRANTY INCLUDES ALL BOW PARTS, EXCEPT THE STRING, BUSS CABLE, CABLE SLIDE, RUBBER STRING SUPPRESSORS, STRING GRUB, AND COSMETIC APPEARANCE (CHIPS, DINGS, SCRATCHES) CAUSED BY NORMAL USE AND WEAR. BOWS SENT BACK TO MATHEWS WITHOUT A PRE-ISSUED RETURN AUTHORIZATION NUMBER WILL BE REFUSED. ANY AND ALL WARRANTIES, WRITTEN OR IMPLIED, ARE VOID IF THERE ARE ANY ALTERATIONS TO THE BOW OR IF THE BOW WAS PURCHASED ON THE INTERNET.

NOTE: Mission reserves the right to make substitutions on warranty coverage for any reason, including but not limited to availability of parts and/or camo pattern.



Owners Manual

MISSION®
BY MATHEWS®

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WWW.MISSIONARCHERY.COM

919 River Road, Sparta WI 54656

Thank you for choosing a Mission® bow.



Whether on the range or in the field, you're sure to enjoy the exciting world of archery. Here are some important things to know about your bow:

Setting Up Draw Length:

MENACE, CRAZE and MANIAC

These bows feature a cam system that is fully adjustable. This will allow you to safely adjust the bow to meet your needs, without the use of a bow press. To adjust draw length, simply remove the allen screw from the module and rotate the draw module so the desired draw length hole aligns with the set screw hole. Reinsert mod set screw and snug the self locking screw into position by a quarter turn (DO NOT OVER TIGHTEN). Repeat this process on the second cam making sure the both modules are set in the same draw length position.

ENDEAVOR, VENTURE, VOYAGER and VOYAGER XT

These bows feature unique cams that are not interchangeable between models. You will have to change the entire cam to change the draw length. Please visit your local Mission archery retailer for more information. All strings and cables will remain the same on these models if you are changing cams.

Model	Cam	Let-Off (Approximate)
Craze	CZ-2	80%
Endeavor	EL	80%
Maniac	MA-2	77%
Menace	2CPW	70%
Venture/Voyager/VXT	Voyager	80%

Setting Up Draw Weight:

MISSION® bows have a very wide range of weight adjustability. Draw weight adjustments can be made by turning the limb bolt counter-clockwise using a 7/32" Allen wrench. It is important to adjust both limb bolts in equal amounts. Do not exceed the recommended turns out from the maximum draw weight. See adjustability charts for details.

Tuning Your Bow:

Tiller	Starting with both limbs fully tightened, simply back off an equal number of turns.
Nocking Point	We recommend that you start by affixing a nockpoint 1/16" above a line perpendicular to your arrow rest and fine-tune from there.
Center Shot	Position your arrow on the bowstring at the nockpoint. Visually align the bowstring with the center of the grip. The string should run true down the center of the arrow shaft. This is a good reference point to begin paper tuning. Note: A good starting point is 13/16" over from the riser to the center of the arrow shaft
Paper Tuning	A properly tuned bow will assure accurate arrow flight, especially when using broadheads. We recommend that you visit your retailer to "paper tune" your bow. Realize that perfect "bullet holes" require not only a tuned bow, but also good form.

Adjustability Charts

Voyager XT (Maximum turns = 4)

LIMB PEAK WEIGHTS LBS.	PEAK WEIGHT/LBS.	MIN. WEIGHT/LBS.	LBS PER TURN
70 LBS.	70	50	5
60 LBS.	60	42	4.5
50 LBS.	50	35	3.75

Voyager (Maximum turns = 4)

LIMB PEAK WEIGHTS LBS.	PEAK WEIGHT/LBS.	MIN. WEIGHT/LBS.	LBS PER TURN
70 LBS.	70	50	5
60 LBS.	60	42	4.5
50 LBS.	50	35	3.75

Venture (Maximum turns = 4)

LIMB PEAK WEIGHTS LBS.	PEAK WEIGHT/LBS.	MIN. WEIGHT/LBS.	LBS PER TURN
70 LBS.	70	50	5
60 LBS.	60	42	4.5
50 LBS.	50	35	3.75

Maniac (Maximum turns = 4)

LIMB WEIGHT LBS.		DRAW LENGTH / IN.								
		30"	29"	28"	27"	26"	25"	24"	23"	22"
70	PEAK WT.	74	72	72	71	70	68	66	63	59
	MIN. WT.	50	48	47	45	44	42	40	38	35
60	PEAK WT.	64	62	62	61	60	58	56	53	49
	MIN. WT.	42	40	39	37	36	34	32	30	27
50	PEAK WT.	54	52	52	51	50	48	46	43	39
	MIN. WT.	35	35	32	30	29	27	25	23	20

Endeavor (Maximum turns = 4)

LIMB PEAK WEIGHTS LBS.	PEAK WEIGHT/LBS.	MIN. WEIGHT/LBS.	LBS PER TURN
70 LBS.	70	50	5
60 LBS.	60	42	4.5
50 LBS.	50	35	3.75

Craze (Maximum turns = 9)

DRAW LENGTH INCHES	30"	29"	28"	27"	26"	25"	24"	23"	22"	21"	20"	19"
MAX. WT.	70	70	70	70	70	70	67	64	60	56	51	46
MIN. WT.	33	31	30	29	27	26	25	23	21	19	17	15

Menace (Maximum turns = 5)

DRAW LENGTH INCHES	30"	29"	28"	27"	26"	25"	24"	23"	22"	21"	20"	19"	18"	17"
PEAK WT.	52	51	50	49	48	47	46	45	43	40	37	33	29	24
MIN. WT.	36	35	34	33	32	31	30	29	27	25	22	20	18	16