

QUEST™

bowhunting

by
G™



2010
Owners Manual

2010 MODELS



PRIMAL

32"A/A
7-1/8"B.H.
332-FPS.....IBO
50-70#.....D.W.
80%.....Let-off
26-30"D.L.
92-5/8"String
35-5/16"Cable



HEAT

33"A/A
6-5/8"B.H.
330-FPS.....IBO
50-70#.....D.W.
80%.....Let-off
26.5-30.5" ...D.L.
93"String
35-7/16"Cable



SMOKE

33"A/A
7-1/8"B.H.
324-FPS.....IBO
50-70#.....D.W.
80%.....Let-off
26-30"D.L.
91-11/16" ...String
34-3/4"Cable



HAMMER

33"A/A
7-5/8"B.H.
314-FPS.....IBO
50-70#.....D.W.
80%.....Let-off
26.5-30.5" ...D.L.
87-13/16" ...String
32-15/16" ...Cable

INTRODUCTION

Congratulations on your purchase of a Quest bow!

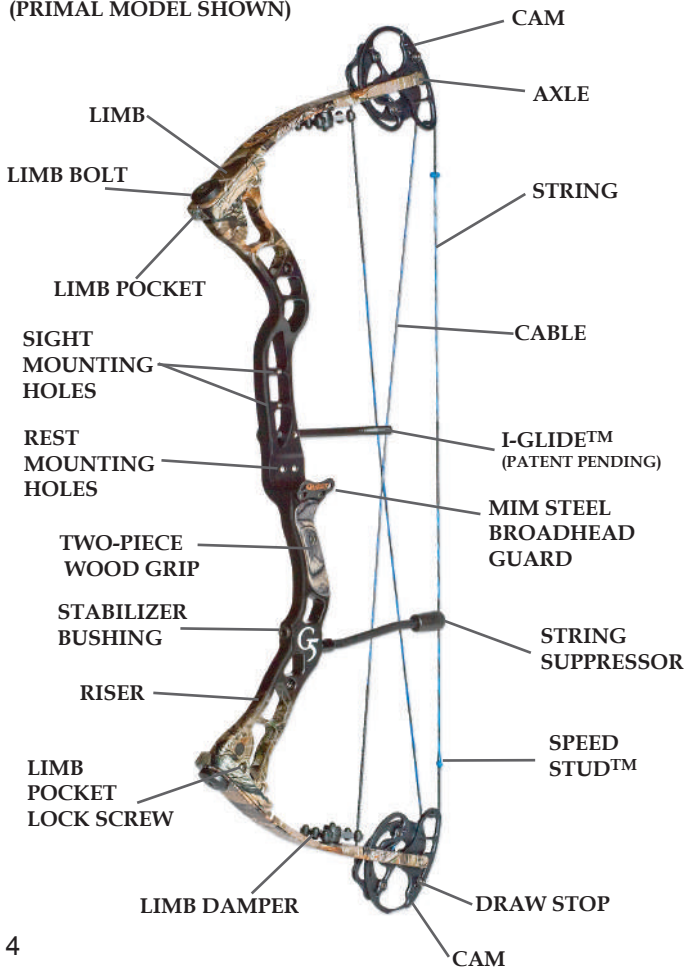
At Quest Bowhunting, we are committed to building the finest bowhunting bows utilizing the highest quality standards and leading technology at prices the average bowhunter can afford. With some basic maintenance this new bow can provide many years of dependable service.



QUEST BOWHUNTING
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BOW FEATURE'S

(PRIMAL MODEL SHOWN)



WARNING!!

YOU'RE RESPONSIBLE FOR ARCHERY SAFETY

NEVER "DRY FIRE" YOUR BOW! This means to draw and release the string and arrow. Firing a bow without an arrow to absorb the energy can cause severe damage to the bow, the shooter, and nearby persons. Let the string down slowly.

CAREFULLY INSPECT YOUR BOW BEFORE EVERY USE! Inspect your bow before every shooting session, inspecting the limbs, strings, cable(s), limb bolts, etc. If you notice any frayed or cut strings or cable(s) and/or cracks, or splintering limbs immediately cease use of the bow and contact your local pro shop.

ALWAYS BE SURE OF YOUR TARGET! Make sure there are no persons, buildings, vehicles, or livestock behind your target. Make sure to have proper backstop to properly stop arrows.

ALWAYS INSPECT YOUR ARROW! This means to inspect all your arrows, nocks, and fletching for cracks, bends, or anything that will compromise its safety. Use of cracked or damaged arrows will result in personal injury.

KEEP BOW FROM BEING EXPOSED TO EXCESSIVE HEAT OR DAMPNESS! Exposing the bow to excessive heat, such as, keeping the bow in a closed vehicle during sunny days can cause limb/string and cable(s) failure. Never store wet bow for prolonged periods.

ALWAYS BE SAFE! Make sure to know all warnings and abide by them. Never aim or shoot at a person. Never shoot straight up. Wear safety glasses while working on the bow. Be careful handling broadheads or anything sharp around the string and cable(s), cutting or nicking these can cause serious injury to you and others. Children **MUST** be supervised by a responsible adult.

SETTING UP YOUR BOW

YOUR LOCAL PRO SHOP IS THE BEST SOURCE FOR:

- Adjusting draw length, draw weight
- Replacing and/or servicing string and/or cables
- All aspects of bow tuning
- Proper arrow selection
- Proper selection and use of accessories

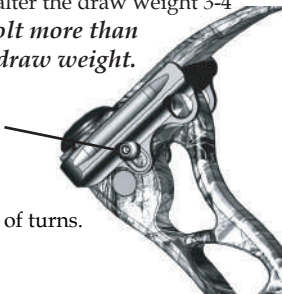
DRAW WEIGHT:

All Quest bows have 10 pound draw weight adjustment capability. For instance if you have a 60 pound bow than that bow is capable of 50-60 pound adjustment. To adjust the draw weight loosen the Limb Pocket Lock Screws first, using a 5/32" Allen wrench. Then use a 3/16" Allen wrench to adjust the Limb Bolts equally, by turning the Limb Bolt counterclockwise to decrease weight and clockwise to increase weight. Each full rotation of the Limb Bolt will alter the draw weight 3-4 pounds. *Never back out the Limb Bolt more than four full rotations from maximum draw weight.*

TILLER:

Setting the tiller is easily done by tightening the limb bolts completely and then backing them off an equal number of turns.

Limb
Pocket
Lock
Screw



CENTERSHOT:

Using the correct arrow size, we recommend starting with 13/16" from the riser to the center of the arrow shaft. You might need to fine-tune this during tuning.

BROADHEADS:

Most archers discover that they must make slight tuning adjustments when switching from field points to broadheads, both fixed and expandable, and even when using same weights. Broadheads can have different aerodynamics than field points and require slight adjustments in nocking point, centershot, and/or your sight. Always test your broadhead flight before going hunting to make sure of your arrow flight, no matter what kind of broadhead design/style.

SETTING UP YOUR BOW....

DRAW LENGTH/LET-OFF:

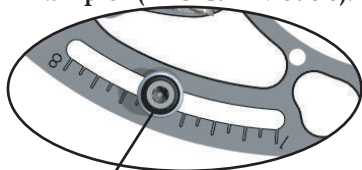
-QS and HPS CAMS; are mod based which means by simply un-screwing the two 8-32 flat head screws using a 3/32" Allen wrench and replacing the mod will adjust draw lengths. (No press is needed to do this.) Remember to replace the two screws and make sure to tighten them properly. (See Chart below for proper mod identification.)

-Draw stops on HPS CAMS; are used to micro-adjust draw length +3/8" from each mod's specified draw length and adjust let-off from 80% on down to 65%. Pushing the draw stop forward will result in less let-off and shorter draw length. (See Example 1 and chart below for proper draw stop placement.)

WARNING!!!

DO NOT DRAW HEAT/SMOKE BOWS WITHOUT DRAW STOP INSTALLED!

Example 1(HPS Cam Models):



Draw Stop in position 5.

QS CAM

Mod ID:	HAMMER Draw Length:
CR1	26"
CR2	26.5"
CR3	27"
CR4	27.5"
CR5	28"
CR6	28.5"
CR7	29"
CR8	29.5"
CR9	30"

HPS CAM

Mod ID:	HEAT Draw Length: (D.S. Position)	SMOKE Draw Length: (D.S. Position)	Draw Stop Position:
#10 or (HPS-26)	25.5"	26"	1.5
#9 or (HPS-26.5)	26"	26.5"	2
#8 or (HPS-27)	26.5"	27"	2.5
#7 or (HPS-27.5)	27"	27.5"	3.5
#6 or (HPS-28)	27.5"	28"	4
#5 or (HPS-28.5)	28"	28.5"	4.5
#4 or (HPS-29)	28.5"	29"	5
#3 or (HPS-29.5)	29"	29.5"	5.5
#2 or (HPS-30)	29.5"	30"	6
#1	30"	30.5"	6.5

SETTING UP YOUR BOW....

DRAW LENGTH/LET-OFF:

-SYNC CAMS; are mod based which means you can adjust the draw length without removing the cam/axle assembly from the limb. This is done by first relieving string/cable tension fully by means of a bow press. Remove the cables from their respective cable posts. Then un-screw the two Mod Screws using a 9/64" Allen wrench, and completely remove the Draw Stop Post and Screw using a 3/32" Allen wrench. This will allow you to freely remove the mod from the cam. (See Chart below for proper mod identification.) Finally you can reverse these order of operations to re-install the mod to the cam. Make sure to properly tighten the Mod Screws and Draw Stop Screw.

- To micro-adjust let-off by adjusting draw stops. Loosen Draw Stop Screw one full turn and sliding both upper and lower draw stops equally. Then re-tighten the screw.

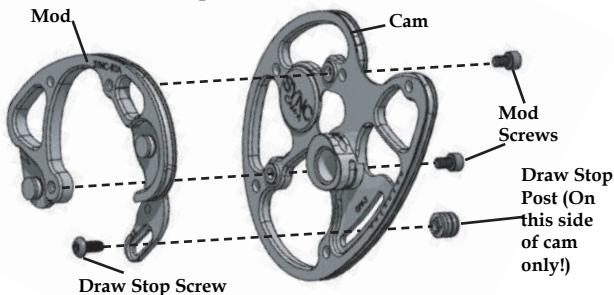
WARNING!!!

DO NOT DRAW PRIMAL BOWS WITHOUT DRAW STOPS PROPERLY INSTALLED!

SYNC CAM

Mod ID:	HAMMER Draw Length:
#1	30"
#2	29.5"
#3	29"
#4	28.5"
#5	28"
#6	27.5"
#7	27"
#8	26.5"

SYNC Cam & Mod Exploded View



BOW PRESS

Presses bow in two places

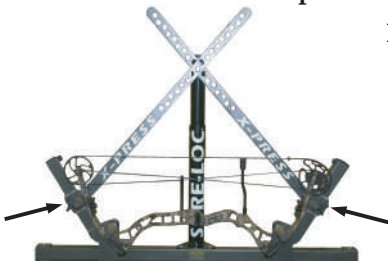


FIG. 1

Presses bow in two places

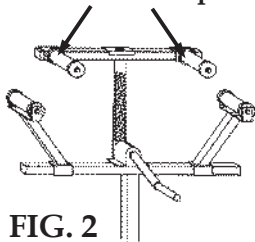
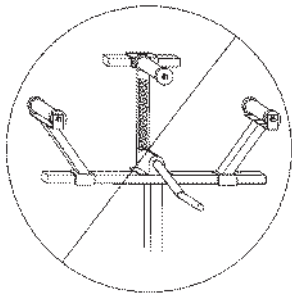


FIG. 2

Always use a double pull style press, like in figures 1 and 2, when working on your bow.



Never use a single pull style press, like in figure 3, where pressure is placed on the grip only!

WARNING!!
NEVER USE A SINGLE PULL PRESS!

MAINTAINING YOUR BOW

PERIODICALLY CHECK YOUR STRING CABLES:

Always check your bow for frayed strings and cables. Replace damaged strings and/or cables immediately. Also keep your Metrao strings waxed and maintained. If you replace the string and/or cables make sure to use the correct lengths and make sure to securely tie in the SPEED STUDS.

ECCENTRIC BUSHINGS/BEARINGS:

All Quest bows have self lubricating/sealed bearing systems and do not need to be lubricated.

I-GLIDE:

All Quest bows equipped with I-GLIDE technology, i.e. PRIMAL and HEAT models, utilize a state of the art technical ceramic material that will never wear out with normal use. Make sure to periodically check for cracks or chips in the "blue" ceramics that could cause premature string/cable wear. Replace I-Glide immediately if damaged.

SPEED STUD:

All Quest bows equipped with SPEED STUDS in the bowstring must be placed between the colored bow string strands and properly tied before shooting as shown below. **DO NOT FIRE A BOW WITHOUT THESE TIED SECURELY.**

STORAGE:

Do not store your Quest bow in areas that are subject to excessive heat such as a trunk of an automobile, attic or garage. Excessive heat can severely damage the limbs, strings, cables, and other bow parts and is not covered under the manufacturer's warranty.

After use in damp or wet environments, dry off the bow completely before storing.

BOW OWNER'S RECORD

Fill in the following personal bow record for your reference.

Bow Serial Number: _____

Bow Model: _____

Purchased From: _____

Purchase Date: _____

Draw Length: _____ Draw Weight: _____

String Length: _____ Cable(s) Length: _____

Important:

Save your sales receipt and serial number of your new bow. The sales receipt and serial number is your proof of date-of-purchase. This proof of date-of-purchase will be required should your bow ever need warranty service.

Please attach your sales receipt here for safekeeping

Notes:

LIMITED LIFETIME WARRANTY

Protections in the Quest Bowhunting Warranty:

The Quest Bowhunting Warranty protects the original owner against defects in the materials and workmanship if purchased from an authorized Quest Bowhunting retail location. Components of the bow included in the warranty:

- *Limbs
- *Riser
- *Eccentrics

Exclusions in the Quest Bowhunting Warranty:

This warranty is void if:

- *The Quest bow is purchased from an unauthorized Quest dealer
- *There is damage caused by abuse, mishandling, dry-firing, alteration or modification to the original product.

All cables, strings, bearings and rubber parts on the Quest bow are not covered under the Quest Bowhunting Warranty. This warranty is only valid to the original owner of the bow and is not transferable.

Activating your Quest Bowhunting Warranty:

Please mail both the completed warranty card received at purchase along with a copy of the sales receipt, within 30 days of your purchase.

Servicing your Quest Bow:

If you need repairs or have warranty issues with any Quest Bowhunting Bow, we ask you go through an authorized Quest Bowhunting retail store. The store's service technician will be able to coordinate any replacement or warranty parts with Quest Bowhunting.



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