

Installation instructions for Exmark Vantage with 48 " mowing deck.

Made by Harrison Specialties

Tools needed: jack, jack stands, carpenter square, speed square, drill, 3/8" bit, small pilot hole bit, small clamp, [2] 1/2" wrenches, 9/16" wrench, 9/16" socket, trouble light, marker, 1/8" Allen wrench, tape, center punch, drift punch, hammer, 2 pieces of 1/8" thick cardboard. [Picture A] Allow approximately 90 minutes.

Step 1 Unpackaged from 2 boxes:

21" roller (A), 2 turf striper bearings (B), 2 eccentric locking collars (C), 2 bearing mounting brackets (D), 2 mounting brackets (E), [4] 5/16" x 1 1/4 grade 8 bolts (F), [4] 5/16 locking nuts (G), [4] 3/8" x 1 1/4 grade 8 bolts (H), [4] 3/8" x 1 grade 8 bolts (I), [8] 3/8 locking nuts (J), [4] 3/8 lock washers (K) [4] 5/16 flat washers (L) See parts diagram for the location of these parts in the assembly.

Step 2 Mount turf striper bearing (B) to bearing mounting bracket (D) using [2] 5/16x1 1/4" bolts (F) and [2] 5/16" lock nuts (G).

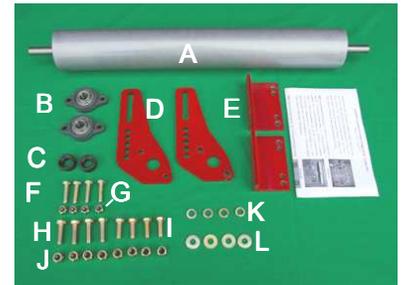
All parts are interchangeable for left or right. Repeat for the other bracket/bearing. [Picture #1] Tighten with 1/2" wrenches.

Step 3 Attach mounting bracket (E) to bearing mounting bracket (D) using [2] 3/8x1 1/4" bolts (H) and [2] 3/8" lock nuts (J). Use the threaded holes (wider spacing). Insert bolts (no need for the washers at this point) through the bearing brackets into the threaded holes in the mounting brackets using the bottom hole closest to the bearing.

[Picture #2] Snug bolt, don't over tighten. You will be removing these parts later, no need to use lock nuts. Repeat for other bracket. **Step 4** Slide the mounting bracket assemblies (B,D,E) on to each end of roller (A) with bearings to the outside. [Picture #3] Center the roller between the brackets leaving a 1/8" gap between bearing bolt and the roller. Measure distance between the top holes on the mounting brackets and make sure it is 20" on center.



Picture A



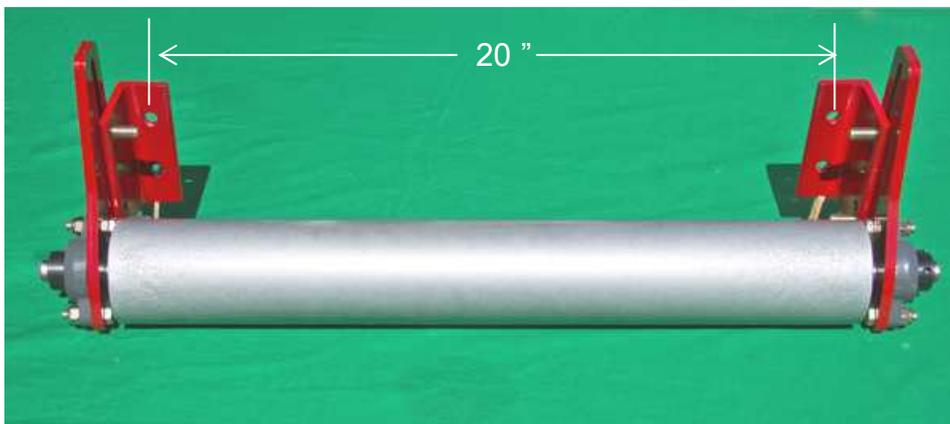
Picture B



Picture #1



Picture #2



Picture #3

Step 5 Slide a eccentric locking collar (C) onto each end with smooth side out. [Picture #4] Turn locking collar by hand in the direction that the roller will rotate. (toward brackets) To lock the collar, place a drift punch in the collar hole and strike in the direction of roller rotation. Tighten set screw with 1/8" Allen wrench.



Picture #4

Step 6 Slide striper assembly into place behind mower deck. (Raise front/back of mower or place mower deck in highest position to assist) After striper is in place on the floor, lower the deck until the bottom of the mower deck is flush with the bottom of the mounting brackets (E). Set mower brake. Center the striper assembly left and right between the rear tires keeping the assembly against the back of mower. (use shims or other stop to keep striper assembly from moving away from mower deck.) Mounting bracket will be 3/4" from Vantage deck bracket. [Picture #5] Visually inspect centering process by looking down inside back tires. [Picture #6] Mark the location of **only the top deck mounting hole** making sure that the striper assembly brackets are flush with the bottom of the mower deck. (Picture #7 shows the location of the holes that need to be marked.) Remove the striper assembly.



Picture #5

Step 7 Remove the rear tires to facilitate drilling. (raising rear of mower will also assist with this step) Note the safety precautions taken in pictures #8 and #9. **Important: verify that hole markings are 20" on center and 2-7/8" up from bottom of deck.** If not, repeat Step 6 to correct this. Use center punch to help start drill bit. A pilot hole may also assist the larger 3/8" drill bit. Drill out both top holes.



Picture #6



Picture #7



Picture #8,#9

Step 8 Remove mounting brackets (E) from bearing mounting brackets (D). Attach mounting bracket to back of deck using 3/8 x 1" bolts and locking nuts [G] . Use square to align bracket perpendicular to mower deck. [Picture #10] Use marker to draw down mounting bracket for reference. [Picture #11]

Adding a clamp to the bottom to the bracket will assist to keep alignment. **Bottom holes should be same as top holes 20" on center.** Drill 3/8" hole in bottom hole location with bracket attached. This will result in perfect hole alignment. Repeat drilling procedure for other mounting bracket. Add 3/8 x 1" bolts and locking nuts [G] to lower holes. Tighten all mounting bracket bolts with 9/16" wrench and socket.



Picture #10



Picture #11

Step 9 Mount striper assembly onto mounting brackets at height desired. We recommend the roller be 1/2" above to ground when mowing to start. Picture #12 shows a striper height set for 2-1/2" mowing with 1/2" of striper clearance. For the striper to run on the ground go down one additional hole. Picture #13 shows completed installation including bolt locations from underneath mower deck.



Picture #12



Picture #13



Please let us know if you have any questions, comments or suggestions.
Please leave a review on our website to let others know your thoughts about the turf striper.
Website: HarrisonSpecialties.com Email: Kerry@HarrisonSpecialties.com
Thank you for your business, we really appreciate it!