

CARROLL
EQUINE

BOLT-ON HORSE BOOTS



Installation Instructions

Premium products for performance horses

www.carrollequine.com

Kit Contents

- 1 pair of Bolt-On Boot soles
- 1 ¼"-28 UNF Tap
- 1 ¼" HSS Drill Bit
- 1 #3 HSS Drill Bit
- 6 ¼"-28 x ½" high strength bolts
- 6 ¼"-28 x .200" plugs



Farrier

- Ordinary farrier service - Trim hoof to remove excess growth



Farrier

- Ordinary farrier service - Fit metal shoe to horse hoof. Photos below illustrate that different types of horseshoes can work with the Bolt-On Boots.



Preparation

- Your Bolt-On Boots will arrive as shown. They will need to be drilled. The farrier prepared/fitted horseshoes shown on previous page will also need to be drilled and tapped to match up with the holes you put in the Bolt-On Boots.



Preparation

- Place the farrier prepared/fitted horseshoe in the Bolt-on Boot and determine where you want to locate your mounting holes. On the left, you will see that we have used a size 12 slider plate for illustration. You will need to place your three mounting holes within the recessed pockets of the bottom of the Bolt-On Boot shown on the right. Reference the provided fasteners. Be sure to leave room for a $7/16$ " socket to access the head of the provided $1/4$ "-28 x $1/2$ " hex head bolts.



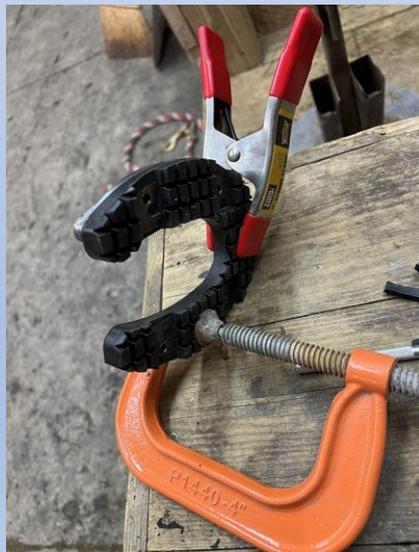
Preparation

- Mark your desired hole locations on the Bolt-On boot. Drill $\frac{1}{4}$ " thru holes in the Bolt-On boot soles like as shown on the right. We recommend using a center drill or a punch before the $\frac{1}{4}$ " drill. Be sure to drill through enough to make a relatively clean hole through the rubber located on the top side of the Bolt-On boot sole.



Preparation

- Clamp your farrier prepared/fitted horseshoe into the Bolt-On Boot and, using either the ¼" drill bit or a ¼" shank center drill, scribe your hole locations from the Bolt-On boot to the farrier prepared/fitted horseshoe. If using the ¼" drill bit, be careful not to plunge past the tip of the drill bit as the next step will require drilling a hole smaller than ¼".



Preparation

- Drill and tap the farrier prepared/fitted horseshoe at your scribed locations using a #3 drill bit. You will drill thru the horseshoe. Hand tap each hole using a 1/4"-28 UNF tap. Be sure to go well past all the way through. Recommend generous use of lubricant.



Preparation

- Place the farrier prepared/fitted, drilled and tapped, horseshoe in the drilled Bolt-On boot. Hand thread the ¼” fasteners through the bottom side of Bolt-On boot sole and into the tapped holes of the horseshoe. Using a ratchet and socket, ensure that each bolt will draw tight. Be careful not to overtighten.
- Provided all bolts draw tight, you can take everything apart and advance to the Installation steps on the next slide. If you have a problem, you will likely need to slightly enlarge one or more of the drilled holes in the Bolt-On boot or re-tap the horseshoe.

Installation

- Farrier should install the prepared horseshoe on the horse as he normally would. This can be any type of shoe. Notice in the photos we show both typical shoes as well as slide plates.



Installation

- Farrier or the horse owner can now install the Bolt-On Boots. Again, photos show installation of the prototype. Hand start each $\frac{1}{4}$ "-28 x $\frac{1}{2}$ " long hex head bolt before using a tool to tighten any of them. Recommend using a $\frac{3}{8}$ " drive hand ratchet and a $\frac{7}{16}$ " socket rather than power tools. Tighten each bolt, being careful not to overtighten to the point of breakage.

We highly recommend only using our provided bolts. If you need to acquire new bolts, DO NOT use any bolts that would extend through the top surface of the horseshoe as that could injure the horse. Additionally, using a bolt with too tall of a head could cause loss of traction due to metal to ground contact.



Removal/Re-install

- Remove as desired by removing fasteners and taking boot off.
- Install our provided plugs into the threaded holes of the horseshoes.
- Re-install using method on previous slide, after removing the plugs.





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