

# MATCHLESS FOOTMAN REPLACEMENT

## FOR POST-1996 WHEELS

### PARTS

Footman assembly

Hardware attached to footman:

- 1 - Cotter pin
- 1 - Clevis pin
- 2 - Nylon washers
- 1 - Treadle yoke
- 1 - Phillips head bolt
- 1 - Metal washer
- 1 - Lock washer

Hardware to attach footman to crank:

- 2 - Nylon washers
- 2 - External ring clips (e-clips)
- 1 - Threaded treadle insert

### TOOLS

- 7/16" wrench
- External ring clip pliers (e-clip pliers)

- 1.** Remove the old footman and the old treadle yoke.

Remove the e-clip and the white plastic washer, and pull the footman off the crank. Remove the second washer and retainer clip.

Unscrew the treadle yoke from the bolt which attaches it to the treadle. Discard the old footman and the old treadle yoke. Leave the bolt and washers in place, or if you prefer, you can replace the old bolt and washers with the new ones provided in the kit.

On a double treadle wheel, to replace the left footman, you will first need to remove the right footman from the crank.

- 2.** Attach the new footman.

To protect your eyes, wear regular or safety glasses for this step. Use the e-clip pliers to open the e-clip. Slip the points of the pliers into the pair of small holes at the opening of the e-clip, then squeeze the pliers until the e-clip opens just wide enough to fit over the crank. Push the e-clip onto the crank and slide it into place. Put a white plastic washer on the crank.

Place the footman on the crank with the wood brace facing away from the drive wheel, add a white plastic washer and use the pliers to push the other e-clip onto the crank, leaving only a small space between footman, washer, and e-clip.

- 3.** Attach the treadle yoke(s) to the treadle(s).

Place the yoke on the bolt and turn the yoke until it sits 1/4" above the treadle. Be sure the holes in the top of the yoke are facing front to back.

- 4.** Attach the footman to the treadle yoke.

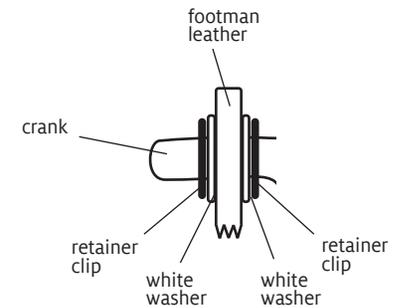
Place the leather footman inside the treadle yoke. Place a plastic washer on the yoke clevis pin and slide the pin through both the yoke and footman. Add two more plastic washers and then fasten the assembly by inserting the yoke cotter pin through the hole in the end of the treadle

yoke pin. Check the treadle movement to be sure it does not hit anywhere or its movement is not restricted. Tighten with a 7/16" wrench.

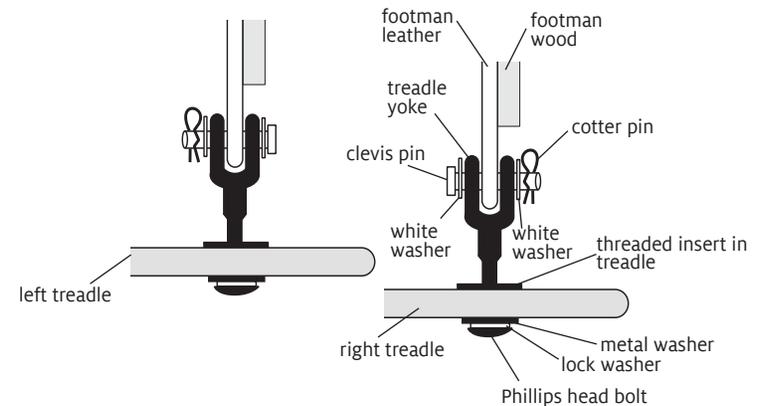
If adjustment is required, remove the cotter and clevis pins, turn the yoke up or down one or two turns until the treadle moves without hitting, and re-tighten. If this adjustment does not result in the treadle moving freely, it may be necessary to replace the treadle. Email [info@schachtspindle.com](mailto:info@schachtspindle.com) or call 303-442-3212 for further assistance. 📧



E-CLIP SLIDING ONTO CRANK



ATTACHING FOOTMAN TO CRANK



ATTACHING FOOTMEN TO TREADLES

Backs of treadles, seen from right side of wheel



Find out more at [schachtspindle.com](http://schachtspindle.com)

Schacht Spindle Company 6101 Ben Place Boulder, CO 80301

p. 303.442.3212 f. 303.447.9273

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