

Installing the Quick-Connect Latches

Our new quick-connect latches for your bag collar are a major design improvement over the elastic collar design. You will notice a dramatic improvement in the ease of using your Cyclone Rake. Installing the latches should only take 20 to 30 minutes. *It is important to measure carefully, so work slowly.*

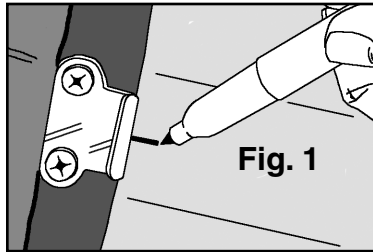


Fig. 1

Mark the center of the latch strike on the shoulder of the exit chute.

Installation

Install the new collector bag on your Cyclone Rake. Notice that the bag collar is now steel, with two chrome-plated latch strikes on the collar.

Step 1: See figure 1. Hold the steel collar against the shoulder on your exit chute. Mark the center of ONE latch strike on the shoulder of the exit chute with a black marker pen.

Step 2: See figure 2. Fold one of the cardboard drilling templates at the scored line. Hold the template against the shoulder of the exit chute, with the latch strike center mark showing through the slot on the template. Carefully mark the positions of the two round holes in the template with a black marker pen.

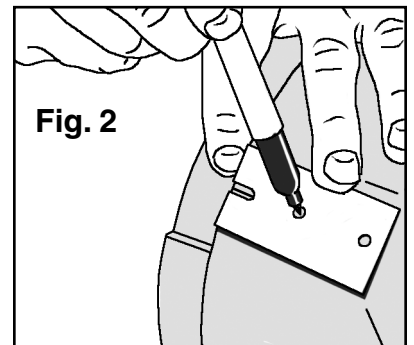


Fig. 2

Step 3: Remove the template and carefully punch-mark the two hole locations, using a center punch or large nail. Be sure to punch accurately, right at the center of the two holes. Then drill 1/4 inch holes right through the exit chute. Start your drill slowly, so it doesn't "walk" away from the center punches. These holes need to be accurate.

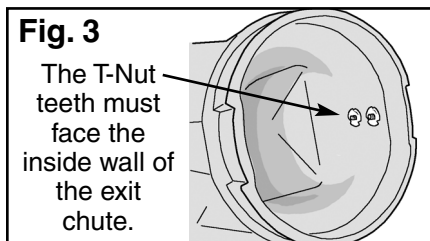


Fig. 3

The T-Nut teeth must face the inside wall of the exit chute.

Step 4: See figure 3. From the inside of the exit chute, position the two T-Nuts with the teeth facing the plastic and the threaded barrel inside the 1/4 inch hole. Install the latch with two 10-24 machine screws and tighten them until the teeth of the T-Nuts firmly bite into the plastic. Completed latch installation looks like figure 4.

Step 5: Place the bag collar on the exit chute and buckle the latch you just installed over the first latch strike. Then go to the other side of the exit chute and mark the center position of the other latch strike, just as you did for the first one.

Step 6: Repeat steps 2-4 above, exactly as you did for the first latch.

Step 7: After you have successfully installed the latches and checked out the connection from the steel collar to the latches, you may want to shorten the end of the exit chute. This makes it easier to snap the steel collar on and off. Just use a carpenter's hand saw. The new length of the exit chute should be about 1 inch past the shoulder. See figure 4.

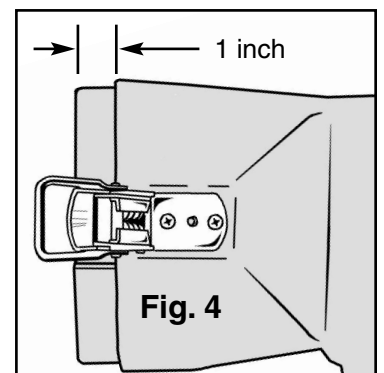


Fig. 4

Completed latch installation.

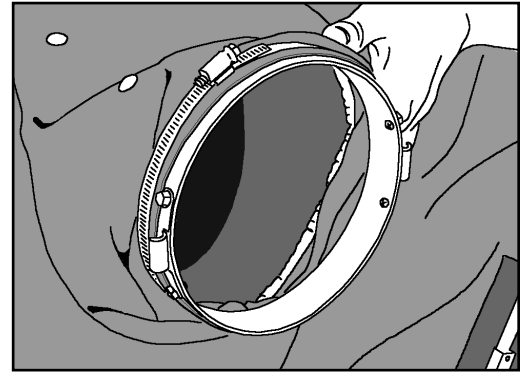
Notes: The third hole in the latch is not needed, but you can use it if you make a mistake drilling one of the other holes. Also, we gave you extra screws and T-Nuts because these are easy to lose. So don't worry if you have extras left over.

Installing New Steel Collar on Old-Style Elastic Collar Bags

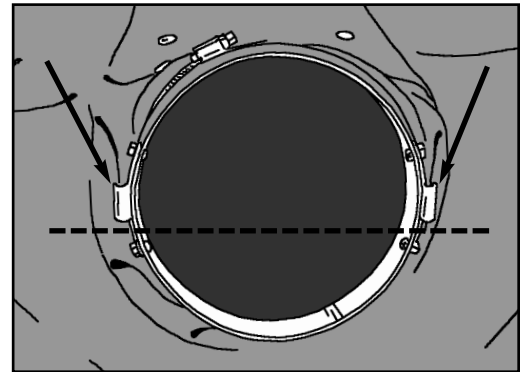
If your collector bag has the old-style elastic collar, you can upgrade it to the new steel collar this way:

- Step 1.** Using sharp scissors, cut off the 3 black collar straps, but don't cut into the bag material.
- Step 2.** Open the top flap of your bag. Insert the steel collar from the inside of the bag, pulling it through the elastic collar opening from the inside. If your elastic collar is very stiff, you may have to remove the latch strikes with a screwdriver and re-attach them later.
- Step 3.** Line up the collar neatly with the end of the elastic bag collar.
- Step 4.** Fasten the 7-inch band clamp around the outside of the elastic collar and tighten with a screwdriver or a 5/16 socket wrench to hold the steel collar firmly.
- Step 5.** Re-attach the latch strikes to the steel collar if necessary.

NOTE: the latch strikes must be lined up horizontally to mate with the latches on the exit chute. If necessary, loosen the band clamp and rotate the steel collar until the strikes are horizontal, then re-tighten the clamp.



Line up the collar neatly before securely tightening the band clamp



Latch strikes must line up horizontally to mate properly with the exit chute latches.