

# Installation Instructions

## 503040 180° Breakaway Goal by Draper

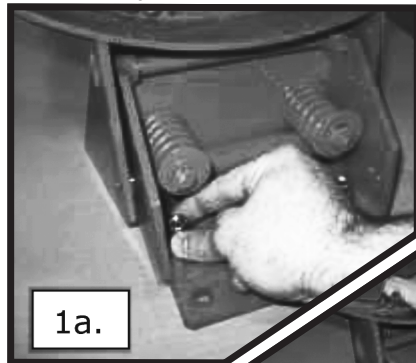
### ⚠ Caution

- ① Before beginning, locate hardware pack and verify you have received all required parts.
- ② Do not remove, loosen or otherwise tamper with any other screws or bolts. Assembly is under pressure; any disassembly may cause injury and void all warranties.
- ③ The two vertical springs can be tightened if minor looseness or rattling occurs. One or two turns of the hex nut below the spring is sufficient. DO NOT OVERTIGHTEN as it will damage goal mechanism and not allow the rim to breakaway at the prescribed pressure leading to backboard damage and/or player injury.
- ④ In order to maintain warranty, goals should be lubricated before each season or more often if they become stiff or tight to breakaway.

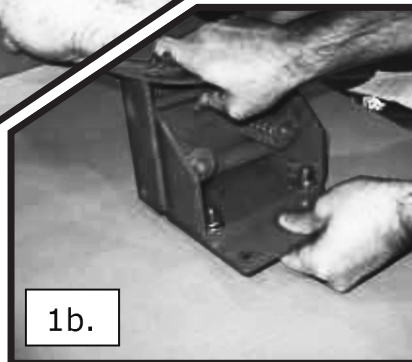
**503040 goal features an adjustable back plate design. When installed properly, the bottom edge of the goal's back plate should be "flush" to the bottom edge of the backboard regardless of the rim mounting pattern on the backboard.**

**(Return spring configuration may differ from pictures below)**

- ① Loosen the nuts that hold the Flush-Mount sliding back plate to the rest of the goal. Extend back plate to its maximum dimension.

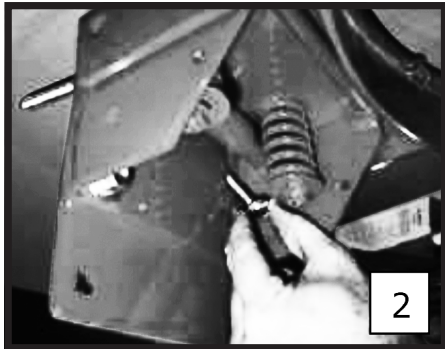


1a.



1b.

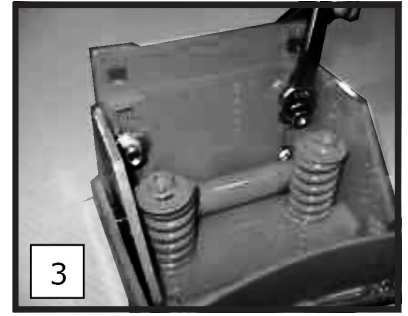
- ② Remove the goal hardware from the hardware bag furnished with the goal. Insert two carriage bolts into the upper slotted attachment holes in the back of the rim with threaded ends protruding out the backside. Slide the head of each bolt up until it reaches the top of the slot.



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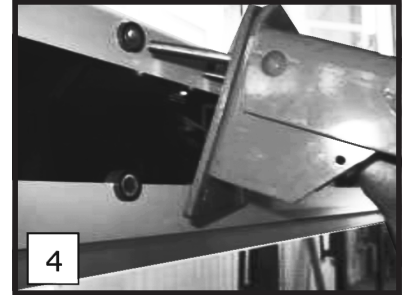
**NOTE: Insert bolts so they pass through BOTH the backplate of the goal AND the Flush-Mount slide plate as shown in photo.**

- ③ Adjust "Flush-Mount" back plate so that it matches the rim mounting pattern on your backboard. Using a 9/16" socket and standard screwdriver, tighten hex nuts to secure the "Flush-Mount" plate in place being sure to keep it square. (Use 30 lbs. torque)



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- ④ Raise goal up to backboard. Hold the top carriage bolts against the inside of the goal while positioning the goal on the backboard. Insert the bolts through the holes in the backboard, attach flatwashers, lockwashers and hex nuts. Tighten by hand them for now.



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- ⑤ Insert bottom two carriage head bolts into place and finger tighten using flatwashers, lockwashers and hex nuts. (Add flatwashers, lockwashers and hex nuts if threaded studs are located at lower attachment points)
- ⑥ Using your level, make sure the rim is level side to side. Using 9/16" socket, finish tightening all four nuts. Tighten nuts evenly. (Use 30 lbs. torque)
- ⑦ Fasten cover plate into position using the two self tapping screws provided and a ratchet with a 3/8" socket.

⚠ NEVER USE THE GOAL WITH THE COVERPLATE REMOVED!

### Net Attachment

Goal should be supplied with net already attached. To install or replace net, locate the largest opening between the net lock tubes which should be located near the goal mechanism housing. Starting at this point, insert the nylon net tie into the net lock tube. Hold the top of one of the net loops to the bottom of the goal ring and push the nylon net tie so the end becomes visible at next break in the net lock tube. Make sure nylon net tie passes through the net loop and enters the next net lock tube. Repeat process until net is installed. When the net is fully attached, push the joined ends of the nylon net tie back into the net tie loop so that ends are not visible through any openings and the net is secure. Pull bottom of net downward and check for movement of the nylon net tie (see Fig. 5).

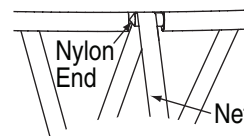
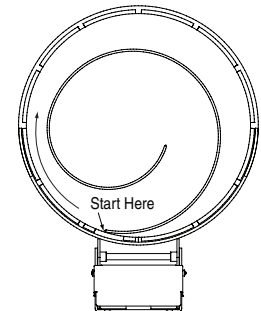


Figure 5



# DRAPER

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