

SoftStop® System Impact Head Winch Assembly Steps (Step 9 of SoftStop® System Manual)

WARNING: THE LOCAL HIGHWAY AUTHORITY, DISTRIBUTORS, OWNERS, AND CONTRACTORS ARE RESPONSIBLE FOR THE ASSEMBLY, MAINTENANCE, AND REPAIR OF THE SOFTSTOP® SYSTEM. FAILURE TO FULFILL THESE RESPONSIBILITIES WITH RESPECT TO THE ASSEMBLY, MAINTENANCE, AND REPAIR OF THE SOFTSTOP® SYSTEM COULD RESULT IN SERIOUS INJURY OR DEATH.

Important: These instructions are for standard assembly specified by the appropriate highway authority. In the event the specified system assembly, maintenance, or repair would require a deviation from standard assembly parameters, contact a Trinity Highway representative. This system has been deemed eligible by the Federal Highway Administration (“FHWA”) for use on the national highway system under strict criteria utilized by that agency.

ENSURE TO READ AND UNDERSTAND ALL STEPS AND INFORMATION CONTAINED IN THE APPLICABLE SOFTSTOP® SYSTEM MANUAL, AS WELL AS THE MANUALS ASSOCIATED WITH THE TOOLS AND PRODUCTS BEING UTILIZED.

A list of recommended Personal Protective Equipment (PPE) can be found in the SoftStop® System manual.

1. Bolt 2,000 lb. winch to Winch Bracket (PN 627797B with hardware) ensuring three (3) bolts protrude a minimum of two (2) threads beyond the lock nuts and tighten with hand tools.
2. Attach Fairlead to Winch Bracket (with supplied hardware) and tighten with hand tools.
3. Trim ¼” diameter 10,000 lbs. capacity synthetic winch rope to 25’ in length.
4. Thread synthetic winch rope through Fairlead and wrap around the winch, spooling from the bottom.
5. Install the 5/16” hook on the end of the synthetic winch rope.
6. Install snatch block (pulley) on the synthetic winch rope with 1/4” hook, utilizing quick link. See Figure 1 on page 2 of this document.
7. Slide SoftStop® System Impact Head onto SoftStop® System Anchor Rail assembly.
8. Hook winch mount assembly onto the vertical strap of SoftStop® System Impact Head and slide down to engage the bottom guide (horizontal) channel with the extended tab of the Winch Bracket on the inside of the channel and the shorter tab on the outside of the channel. The cable side of the winch mount assembly must point toward post 2. Ensure that winch mount stays engaged in the bottom channel of the SoftStop® System Impact Head. See Figure 2 on page 2 of this document.
9. Engage the 5/16” hook on the end of the synthetic winch rope to the vertical strap of SoftStop® System Impact Head behind the winch.
10. Engage ½” drive hand drill into winch, using a drive adaptor with 5/8” hex socket and power the ½” drive drill.
11. Use drill to unspool enough synthetic winch rope to allow:
 - a. 25’ length Anchor Rail: use a 10’-12’ long, minimum 10,000 lbs. capacity extension cable with hooks on both ends in order to extend synthetic winch rope to post bolt slot at splice location in guardrail panel. Attach hook.
 - b. 12.5’ length Anchor Rail: Attach hook at post bolt slot in guardrail panel at splice location in guardrail panel.
12. While powering ½” drive hand drill, at appropriate speed, watch winch mount assembly to ensure it remains engaged with SoftStop® System Impact Head vertical strap and bottom channel.

13. Continue pulling the SoftStop® System Impact Head onto the SoftStop® System Anchor Rail until the head is located as detailed in the latest edition of the SoftStop® System Product Description Assembly Manual in Step 9.
14. Perform all additional instructions detailed in the applicable SoftStop® System manual and complete Assembly Inspection Checklist.

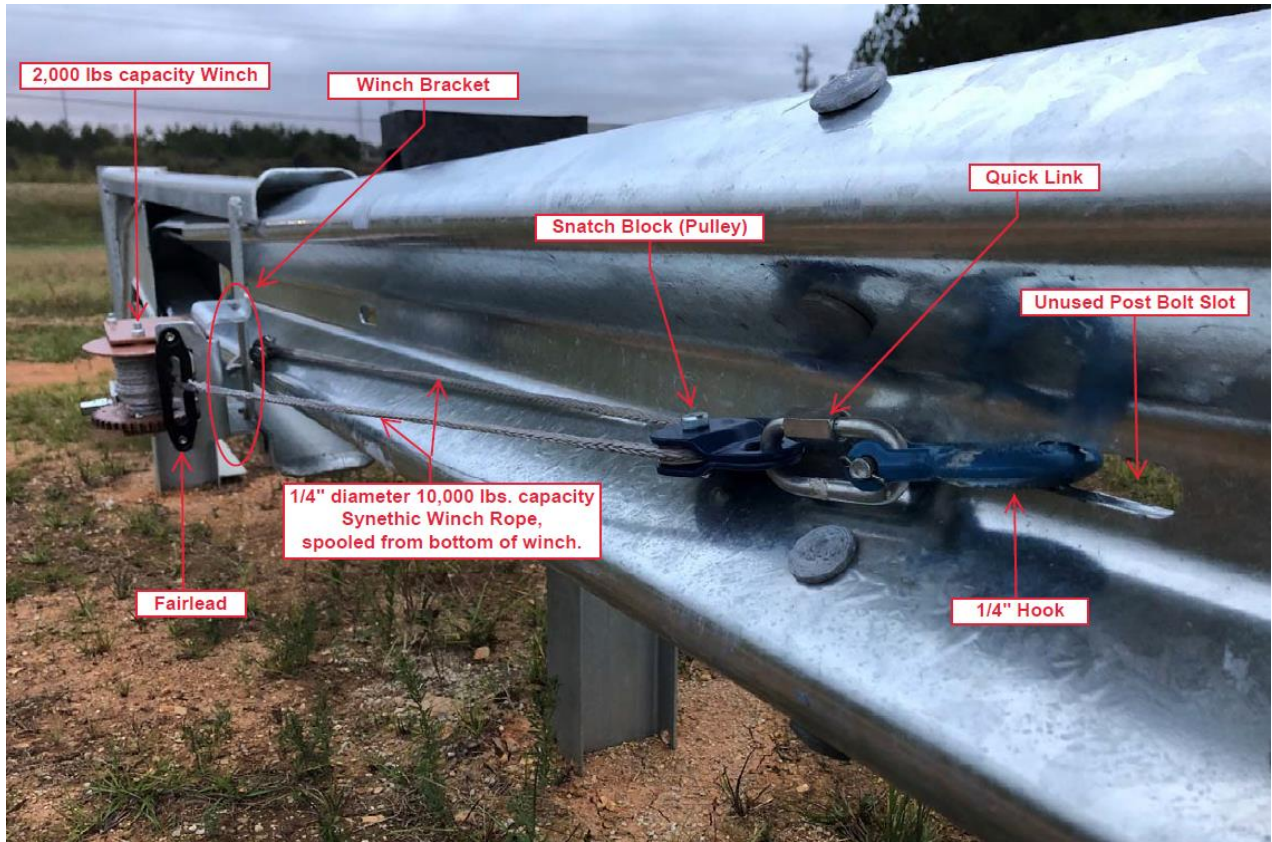


Figure 1

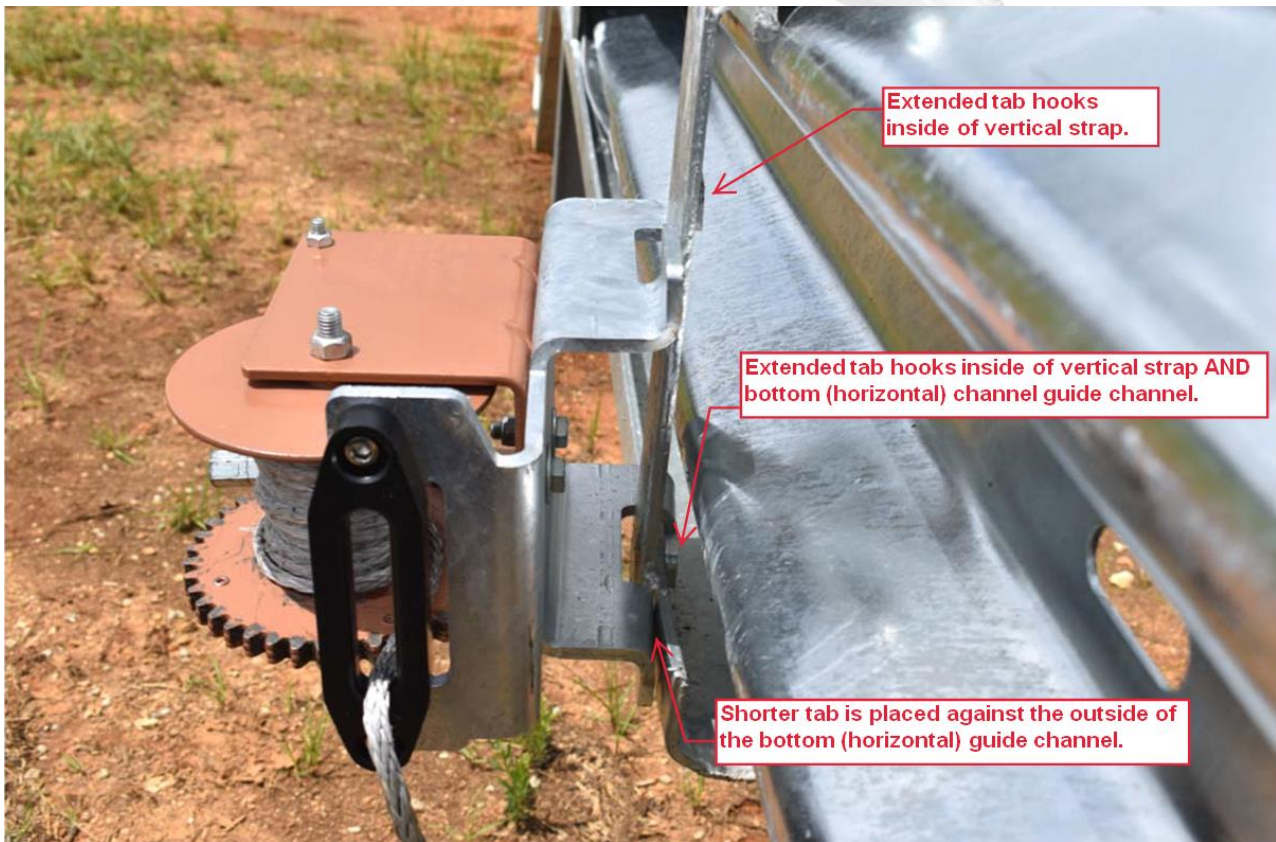


Figure 2