

# Henry Long Ranger / Long Ranger Express Trigger & Sear Installation Instructions

For Ranger Point Precision Henry Long Ranger and Long Ranger Express rifles

## **IMPORTANT SAFETY INFORMATION**

Before beginning installation:

- Remove the magazine
- Open the action and visually inspect the chamber
- Verify the firearm is unloaded
- Remove all live ammunition from the workspace
- Wear eye protection

## **Tools Required**

- #2 Phillips screwdriver
- 3/16" Allen wrench
- Flathead screwdriver
- Small punch
- Light oil (optional)

## **Included Components**

Trigger Kit Includes:

- Replacement Trigger/Sear
- Replacement Sear Spring

# DISASSEMBLY

## Step 1 – Remove Butt Pad

Using a #2 Phillips screwdriver:

1. Apply a small amount of oil to the screwdriver tip (optional)
2. Remove the two butt pad screws
3. Remove the butt pad and set aside

TIP:

A small amount of oil helps prevent damage to the rubber butt pad during screw removal.

## Step 2 – Remove Buttstock

Using a 3/16" Allen wrench:

1. Remove the stock retaining bolt located inside the stock
2. Leave the bolt in the stock to avoid losing it
3. Pull the buttstock rearward and remove

## Step 3 – Remove Main Spring Assembly

At the rear of the receiver:

1. Unscrew the mainspring coupler by hand
2. Carefully control spring pressure during removal
3. Remove:
  - Coupler
  - Main spring
  - Main spring piston

Set all components aside.

IMPORTANT:

No tools should be required to remove the coupler.

## **Step 4 – Remove Trigger Guard Plate Screws**

Open the action.

Using a flathead screwdriver:

1. Remove the rear trigger guard plate screw (short screw)
2. Remove the front trigger guard plate screw (long screw)

**IMPORTANT:**

Keep track of screw locations.

- Rear screw = Short
- Front screw = Long

## **Step 5 – Remove Trigger Guard Assembly**

1. Pull the entire trigger guard assembly downward and out of the receiver
2. Set the barreled action aside

# **SEAR INSTALLATION**

## **Step 6 – Relieve Hammer Tension**

With the trigger assembly removed:

1. Ensure the lever is closed and locked
2. Pull the trigger
3. Allow the hammer to move forward

This removes tension from the sear.

## **Step 7 – Remove Factory Sear Spring**

Using a small punch:

1. Lift and remove the factory sear spring
2. Set aside

## **Step 8 – Remove Factory Sear**

1. Push the sear retaining pin out
2. Remove the factory sear

## **Step 9 – Install New Sear**

1. Position the new sear over the sear support post
2. Align the pin holes
3. Reinstall the sear retaining pin

Verify the sear pivots freely.

## **Step 10 – Install New Sear Spring**

1. Place the spring onto the spring post
2. Compress slightly
3. Engage the spring in its retaining notch

Verify the spring applies pressure to the sear.

# REASSEMBLY

## Step 11 – Position Trigger Guard Assembly

### IMPORTANT:

Proper timing of the action is critical.

Before installing:

1. Ensure the lever is fully closed and locked
2. Rotate the hammer upward slightly
3. Push the bolt fully forward into battery

The bolt must remain fully forward during installation.

## Step 12 – Align Hammer Rebound Plunger

As the trigger assembly is installed:

1. Ensure the hammer rebound plunger protrudes through the rear receiver opening
2. Confirm it can be felt through the rear mainspring access hole

### WARNING:

Failure to align this plunger correctly will result in improper operation.

## Step 13 – Install Trigger Guard Assembly

1. Insert the trigger guard assembly into the receiver
2. Keep downward pressure on the assembly to maintain gear timing
3. Align mounting holes

## **Step 14 – Install Rear Trigger Guard Screw**

Install the short trigger guard screw first.

1. Hold the assembly firmly in position
2. Install the short screw
3. Tighten snugly

## **Step 15 – Verify Timing**

Check the rear of the receiver.

Correct installation:

- Bolt sits flush with the rear of the receiver

If the bolt is not flush:

- Remove the assembly
- Repeat installation and timing procedure

**IMPORTANT:**

This is the primary indicator that the action is timed correctly.

## **Step 16 – Reinstall Main Spring Assembly**

At the rear of the receiver:

1. Align the mainspring piston with the hammer rebound plunger
2. Insert:
  - Main spring piston
  - Main spring
  - Coupler
3. Compress slightly
4. Thread the coupler into the receiver by hand

**IMPORTANT:**

- No Loctite required
- No tools required
- Hand-tight only

## **Step 17 – Function Check Hammer**

Before reinstalling the stock:

1. Cock the hammer
2. Pull the trigger
3. Verify proper hammer release

## **Step 18 – Reinstall Buttstock**

1. Slide the buttstock onto the receiver
2. Reinstall the stock bolt
3. Tighten using a 3/16" Allen wrench

**NOTE:**

The stock bolt threads into the mainspring coupler.

## **Step 19 – Reinstall Butt Pad**

1. Position the butt pad
2. Apply a small amount of oil to the screwdriver if desired
3. Reinstall both screws
4. Tighten snugly

Do not overtighten.

# FINAL FUNCTION TEST

Perform the following checks:

## Lever Function

- Open and close the lever
- Verify smooth operation

## Bolt Position

- Confirm the bolt sits flush with the rear of the receiver when closed

## Trigger Function

- Cock the hammer
- Pull the trigger
- Verify clean hammer release

## Safety Verification

- Cycle the action several times
- Confirm proper trigger reset and hammer engagement

If all checks pass, installation is complete.