

Installation Instructions for: Crystal Headlight – Honda VT1100 & VT750

Please follow these instructions carefully!

Package Contents

- Crystal Headlight, Rear rubber seal

Tools you will need to provide:

- Philips screw driver, 8mm (or 5/16") wrench or small adjustable wrench to remove headlight bolts. Also a pair of small vice-grip pliers will be handy (or you may need another person to help you.)
- Optional: Patience and small fingers.

Please read over the entire installation process before beginning the installation.

The install procedure should take about 60 minutes.

Note: It is possible that the installation may be a little different with your headlight.

Installation Procedure:



Figure 1

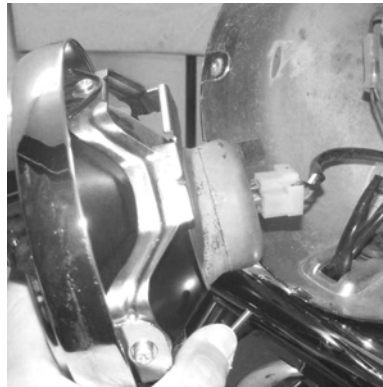
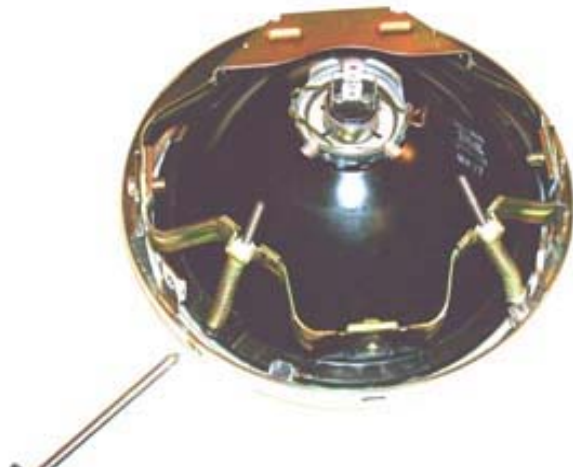


Figure 2



Figure 3

1. Remove two bolts holding headlight assembly onto headlight housing. [Figure 1]
2. Carefully lift up and pull out headlight, then disconnect the white connector from the bulb. [Figure 2]
3. Set the headlight assembly on a soft surface for partial disassembly. [Figure 3]



4. With the headlight assembly oriented as shown in Figure 4, you will now remove the left adjusting screw (the one the screwdriver is pointing at.)

Figure 4

Installation Instructions for: Crystal Headlight – Honda VT1100 & VT750



Figure 5

- To make it easier to remove this screw, squeeze this side of the assembly which will cause the white nylon nut to move away from the bracket. If you have vice-grip pliers, clamp them onto this nut, and still squeezing the assembly, completely unscrew the spring-loaded adjusting screw. Remove the nut.

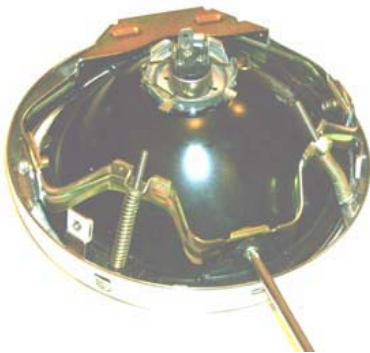


Figure 6



Figure 7



Figure 8

Now remove the bottom headlight screw and nut [Figure 6], the top screw and nut [Figure 7], and then you can separate the bulb assembly from the headlight bracket assembly. [Figure 8]



Next take the Crystal headlight, pass the long adjusting screw through the bracket of the Crystal headlight, and slip the spring onto the screw before you insert the end of it into the headlight bracket assembly. Once you have done that, squeeze down on the spring a little so you can add the white nylon nut to the end of the screw. Tighten the nut a few turns so that it is secured onto the screw.

Carefully slide the headlight bracket assembly onto the crystal headlight. The bracket should slide snugly between the brackets on the back of the headlight. Line up the top mounting hole and insert the screw and nut. Do not fully tighten the mounting screw yet!



Installation Instructions for: Crystal Headlight – Honda VT1100 & VT750

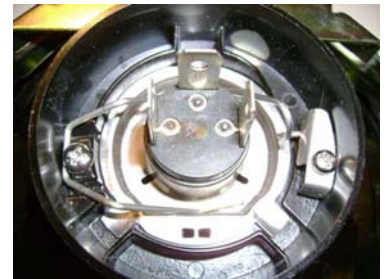
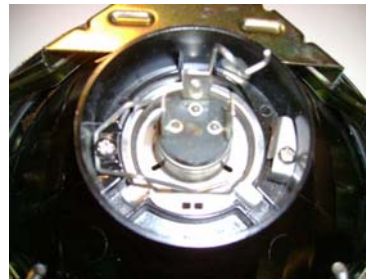


Now in order to insert the bottom mounting screw, you will need to squeeze the spring screw area to be able to get the hole in the bracket to align with the hole in the headlight. Insert the screw and nut, but do not fully tighten the screw yet!

Now it is time to tighten the adjusting screw. Squeezing the headlight assembly, allow the long screw to protrude as shown in the photo at right, and using your screwdriver, tighten the screw until about 3/4" is protruding past the back of the white nylon nut. (As shown in the photo below.) Now you may fully tighten the Top and Bottom mounting screws!



Install the bulb by unclipping the bulb retaining wire, inserting the bulb, and then pushing down the clip.



Slip on the rubber boot included with the Crystal headlight, and your assembly should look similar to the photos below.



You may now re-install this headlight assembly into the headlight housing of your motorcycle.

Installation Instructions for: Crystal Headlight – Honda VT1100 & VT750

Now that your headlight is back together on your bike, it is time to aim your headlight.

How to aim your headlight

What you will need:

A level floor with a vertical wall in front, tape measure and a screwdriver.

1. Move your motorcycle so that the front of the headlight is **17 feet** from the vertical wall with the bike aligned square (perpendicular) to the vertical wall.
2. Stand your bike upright on its wheels (not on the kickstand or center stand.)
3. Sit down on the seat and have a helper measure the vertical distance from the floor to the center of the headlight.
4. Using a pencil, put a horizontal mark on the wall **two inches lower** than the height of the center of the headlight (that you measured in step # 3) and directly in front of the bike.
5. Once again, with you sitting on the seat, adjust the vertical adjusting screw so that the flat top of the low beam is just to the line you put on the wall. (As you are looking at the front of the headlight, the Vertical adjusting screw is the one on the Left side.)
6. Using the horizontal adjustment turn it one way or the other until the headlight beam is centered on the line you drew on the wall. (As you are looking at the front of the headlight, the Horizontal adjusting screw is the one on the Right side.)

Congratulations! You have correctly aimed your headlight. By the way, you can use this same procedure to aim auxiliary driving lights if you have them.