

Hood Lift Kit Installation Instructions

For Mazda Miata 1990-2005

PART # 998-313, 998-314, 998-315

Tools required: Rivet gun, masking tape, small flat screw driver, 10mm combination wrench, two 13mm combination wrenches, two 17mm combination wrenches.

Read and understand these instructions before attempting to install the kit.

Cruise Control Relocation Bracket

This bracket will allow you to relocate your Mazda factory fitted Cruise Control so that you may fit the Cobalt Hood Lift Kit on your 1999 or later Miata.

1) Gather the smaller (bottom) bracket, the m10 bolt, the M10 nut, the large washer, one of the ball studs and a lock nut. On all Miata's except early 1989 and 1990 1.6L cars there is a hole in the upper right corner of the firewall (as seen from the front of the vehicle). On early cars without this hole it will be necessary to drill a 7/16" hole located 1/2" down and 3 7/8" from the inside of the firewall. This hole appears just above the master cylinder and below the rubber hood seal. Place the side of the bracket with the larger hole against the firewall and align the holes. Slip the M10 bolt in through the bracket and firewall. Next slip on the large washer from the back and start the nut. Tighten the nut using the two 17mm wrenches. Attach the ball stud to the other hole in the bracket so that the ball is pointing toward the brake booster. Tighten the ball stud and lock nut using two 13mm wrenches
Illustration 1.



Illustration 1



Hood Lift Kit Instructions



Illustration 1 cont

2) Gather the larger (upper) bracket, the two M6 bolts, and toggle nuts, masking tape, one ball stud and locknut, a 10 mm wrench and two 13mm wrenches. Use the tape to mask off the hood in the area shown. This will keep your hood from being scratched while you test fit the bracket. Poke through the masking tape to expose the slots in the hood as shown. Place the ball stud through the larger hole in the bracket and start lock nut on the backside. Tighten the nut and ball stud to the bracket using the two 13mm wrenches. Slip the M6 bolts through the holes of the larger bracket and then start the toggle nuts on the bolts. Slip the toggle nut in to the slot that is exposed in the masking tape. Turn the toggle nut 90 degrees and start to tighten the bolt. You may need to use a small flat screw driver to hold the nuts in place as you tighten the bolts. Leave the bolts loose enough that you can still slide the bracket up and down in the slot. Illustration 2.

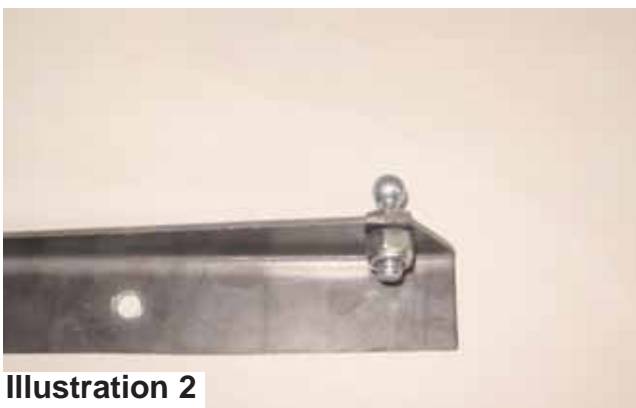


Illustration 2

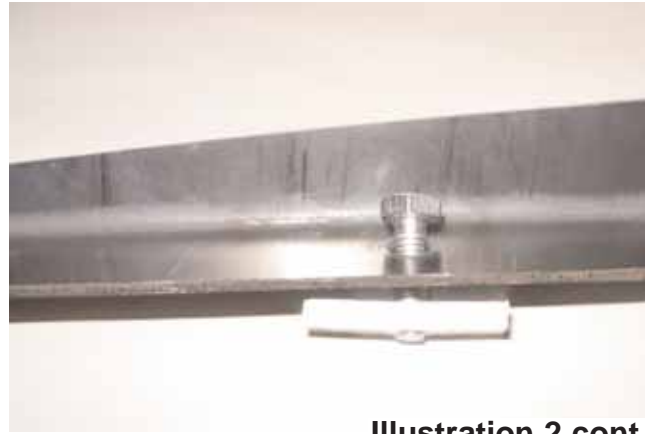


Illustration 2 cont



3) There are two positions that the upper bracket can be mounted in. If you slide the bracket up, toward the front of the hood so that the bolt is at the top of the slot (upper position), the hood will open to about the height of the hood on the stock prop rod. When the hood is closed, the gas strut is pointed slightly down hill and will keep the

hood flush with the fender. The second (lower) position is when you slide the bracket down toward the bottom of the hood so that the bolt is as far down in the slot as possible. This position will raise the hood slightly higher than the stock hood prop rod and the action of the gas strut is slightly better than the upper position. The one draw back to the lower position is that your hood when closed may be raised by .010 of an inch. This more likely to happen on the earlier cars 90-97 and or if you hood has ever been damaged (weak hood). .010" is hardly noticeable but for this reason you will need to test both positions and decide witch position is better for you. When testing the two positions slide the bracket into place and tighten the bolts. **Cycle the gas strut several times to lube the shaft of the strut before attaching it to the ball studs.** The fat end of the strut is the upper end. **DO NOT CLOSE THE HOOD!** Instead, lower the hood slowly and watch the bracket and the strut to make sure they do not come in contact with anything under the hood. You may need to bend the "Diagnosis" test port slightly to clear the strut. Also watch the top ball stud and nut because it will be close to the fender bracket. You may need to adjust the upper hood lift bracket (point the top of the bracket toward the center of the car) slightly to clear the fender. Once you are sure nothing is hitting, slowly close the hood into its latched position. Test both positions and decide which is right for you. To remove the strut from the ball stud, use a small flat blade screw driver to pry the tab back as you pull the strut away from the ball stud. Illustration 3.

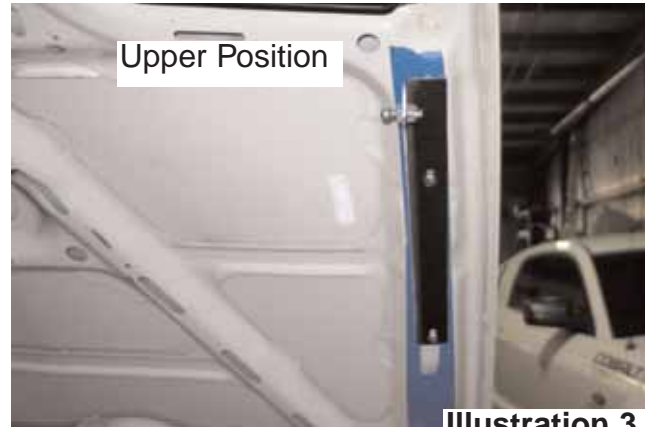


Illustration 3



Hood Lift Kit Instructions



Illustration 3 cont

4) Once you have chosen your upper bracket location, you must remove the bracket from the hood to remove the masking tape. Carefully reinstall the bracket and again check the function of the kit. If you wish, remove the stock prop rod from the vehicle. Enjoy your new Cobalt hood lift kit!

Illustration 4.



Illustration 4



Cruise Control Relocation Instructions 1999-2005

PART # 998-315

440 Rutherford St. Goleta, CA 93117
1-800-667-7872 • FAX 805-692-2525 • www.mossmotors.com

- 1) Using a 10mm, remove the bolt and nut securing the cruise control bracket to the chassis. Keep the nut and bolt handy as they will be reused in step 4. Disconnect the electrical plug. The cruise control servo should be free from the chassis.

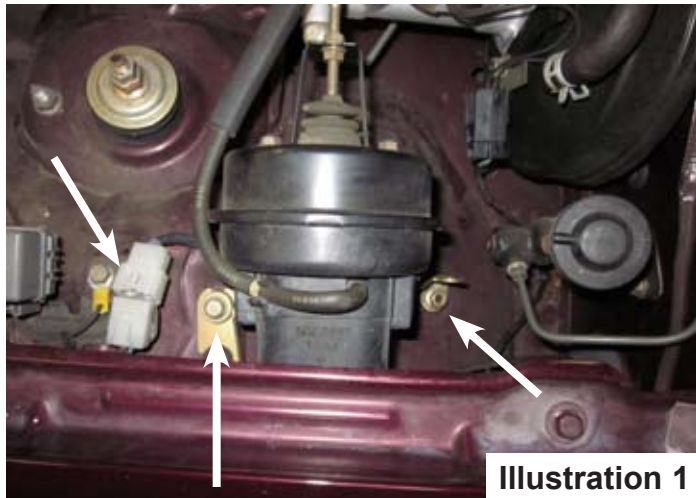


Illustration 1

- 2) Remove the smaller bracket from the cable side of the servo using a 10mm. Reinstall the 2 nuts securing the cable retaining bracket to the servo motor.



Illustration 2

- 3) Remove the larger mounting bracket from the servo using a Phillips screw driver. Install the supplied relocation bracket using the original screws.



Illustration 3



Continued on back...

Installation Instructions

- 4) Reach in through the wheel well and insert the bolt (removed in the first step) up through the square hole in the wheel well. Install the new relocation bracket (attached to the servo) on to the bolt and use the nut (removed in the first step) to secure the servo to the chassis. The bracket will not sit flat on the surface of the chassis. It will conform to the chassis as you tighten the hardware. Plug the electrical connector in and enjoy your hood lift kit.



Illustration 4

