

Hood Lift

Installation Instructions

2016+ Miata

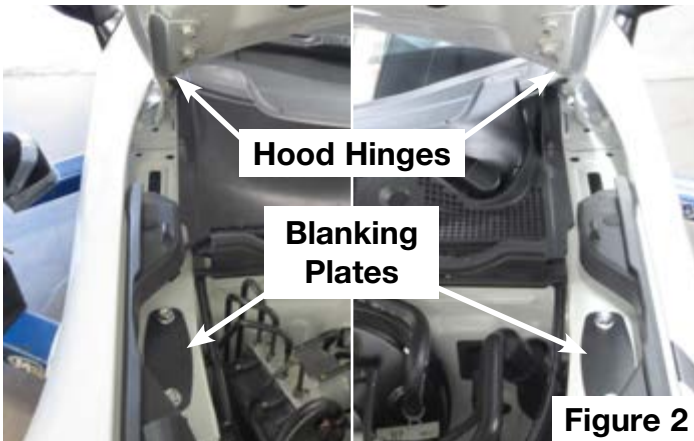
PART # 910-720

Tools required:

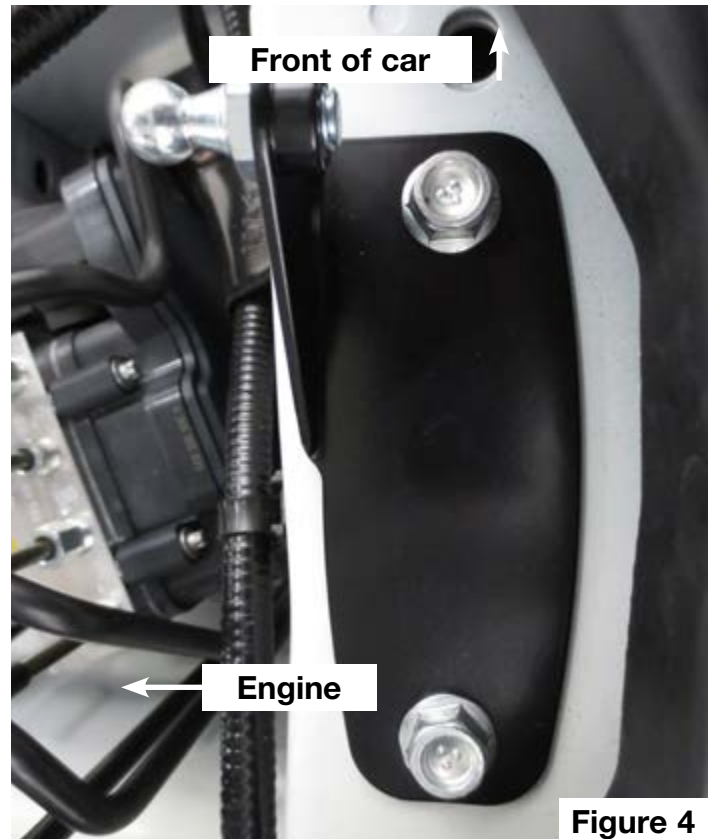
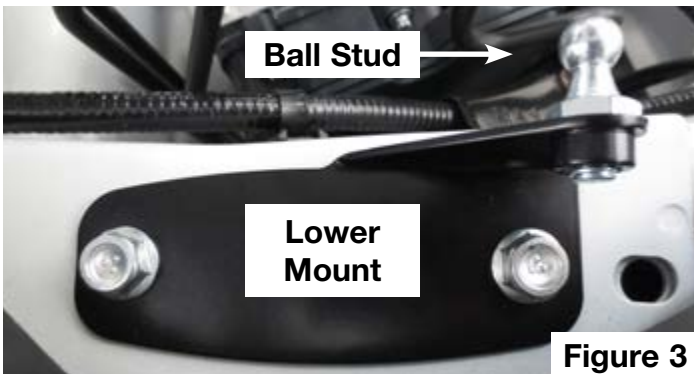
- Ratchet
- 12mm Socket
- 13mm wrench
- Small flat head screwdriver
- Hose cutters or scissors

Install:

- 1) Open and support the hood with the hood prop.
- 2) Locate the two black blanking plates at the rear corners of the engine bay. Remove the bolts and blanking plates with a ratchet and 12mm socket. Set the plates aside, but keep the bolts to install the lower mounts of the hood lift kit. Figure 2.
- 4) Thread the ball studs into the lower mounts, and find the correct orientation of the mounts. The lower mounts need to be installed with the ball stud in line with front bolt hole, and facing the engine. Figure 4.



- 3) Find the two lower mounts and two ball studs included with the kit. The two lower mounts can be identified by their larger bases resembling the factory blanking plates. Figure 3.



- 5) Install the lower mounts using the same bolts used for the blanking plates, and then fully tighten the ball studs with a 13mm wrench.

Installation Instructions

- 6) Locate the two hinges on the rear of the hood. There will be two 12mm bolts on each hinge attaching it to the hood. These bolts will be used to install the upper mounts. Figure 6.



- 7) Find the two upper mounts and the remaining ball studs.
- 8) Thread the ball studs into the upper mounts, and determine their correct orientation. The mount needs to be installed with the ball studs facing away from the engine and positioned above the top bolt. Figure 8.



- 9) Install the first upper mount on the passenger side. Support the hood with one hand, and remove the top hinge bolt.
- 10) Take the passenger side upper mount, line up the top hole in the mount with the holes for the hinge and hood, and bolt them together. Leave the bolt loose enough that the bottom of the bracket can be rotated into place without damaging the paint on the hood. Figure 10.



- 11) Continue to support the bottom corner of the hood, and remove the bottom hinge bolt. Rotate the upper mount until it is aligned with the holes for the hood and hinge, then install the bolt. Tighten both hinge bolts, and the 13mm ball stud.

- 12) Follow the same steps to install the upper mount on the driver side.

- 13) Find the two gas struts included in the kit. Push the larger ends of the struts onto the ball studs of the upper mounts. With the top of the strut mounted, rotate the smaller ends of the struts to ensure that they line up with the ball studs on the lower mounts when the hood is raised. Figure 13.

- 14) Remove the hood prop, raise the hood, and push the smaller ends of the gas struts onto the ball studs of the lower mounts.

- 15) Before the hood can be closed, the firewall seal will need to be trimmed to make room for the strut. Unclip each end of the firewall seal so that it can be easily accessed. Using hose cutters or scissors, cut the seal so that it is flush with the first rib located approximately one inch from the end of the seal. The rib is visible from the rear of the seal and goes from the bottom to middle section. Figure 15.

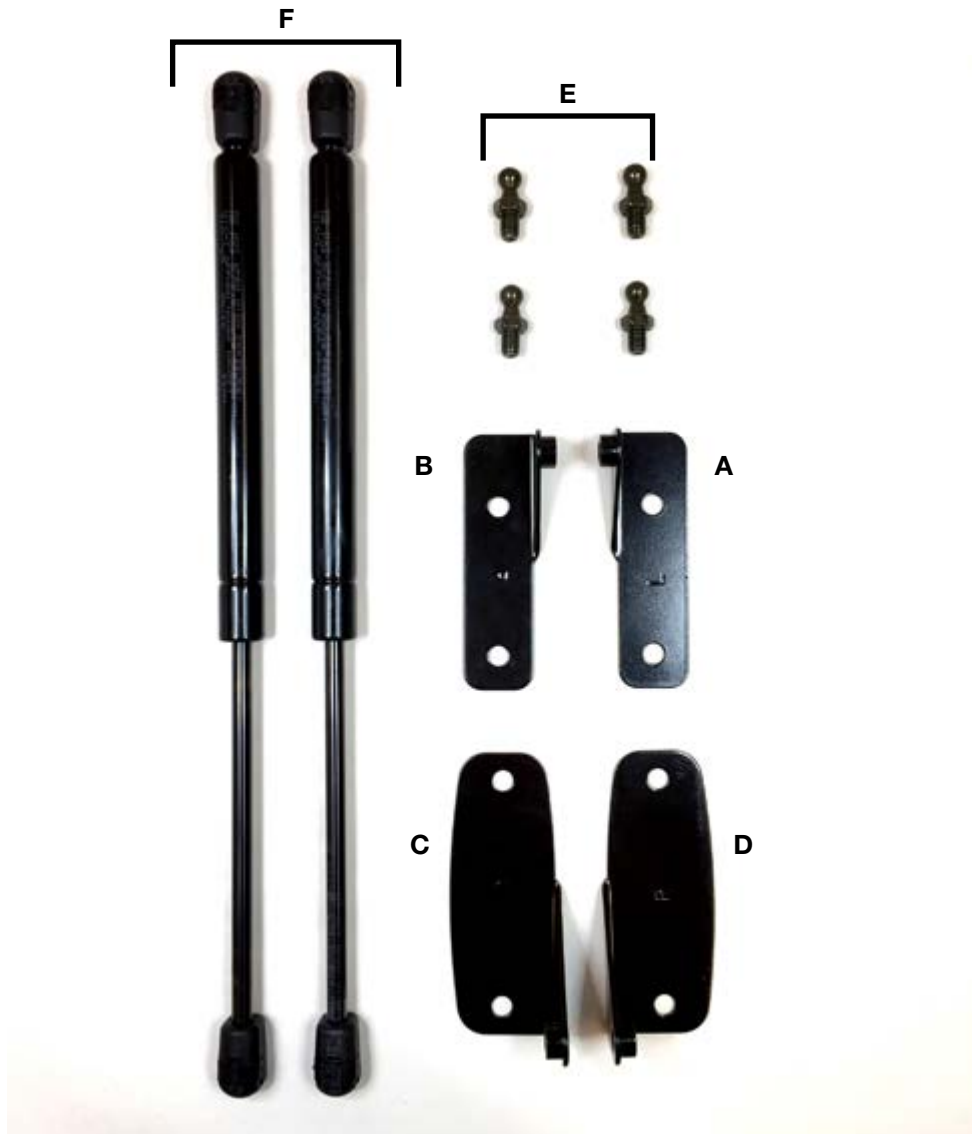


- 16) Slowly close the hood to verify that the hood lift kit is not making contact with any part of the engine bay. If there is no contact, the hood lift kit is now fully installed.

- 17) If desired, the factory hood prop can now be uninstalled.



Figure 13



Bill of Materials Part#910-720

| Ref | QTY | Part No. | Description |
|-----|-----|----------|-------------------------------|
| A | 1 | 772-901 | BRACKET, UPPER, LH, HOOD LIFT |
| B | 1 | 772-902 | BRACKET, UPPER, RH, HOOD LIFT |
| C | 1 | 772-903 | BRACKET, LOWER, LH, HOOD LIFT |
| D | 1 | 772-904 | BRACKET, LOWER, RH, HOOD LIFT |
| E | 4 | 772-905 | BALL STUD, 10MM, 5/16-18 |
| F | 2 | 772-327 | GAS SPRING, HOOD LIFT |

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