



# 900-072 Hood Lift Kit

## Installation Instructions

### All MGB, MGB GT, Austin Healey Sprite, and MG Midget (1962-1980)

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#### Tools required:

- Phillips head screwdriver
- Small flat-head pocket screwdriver
- Center Punch
- Drill
- $\frac{1}{8}$ " drill bit
- $\frac{13}{64}$ " drill bit
- Small Ruler or Measuring Tape
- Masking Tape
- Marker or Pencil

#### All MGB and MGB GT Install

- 1) Remove the factory hood prop. Use a broom handle or another secure means of holding the hood wide open.
- 2) To locate the lower brackets, carefully place pencil a dot on the center of the fourth bolt forward from the firewall. Then measure from this dot exactly  $2\frac{1}{4}$ " towards the front of the car and mark a line as shown. This will be the center point of the larger lower bracket, which will be mounted to the underside of the channel on the fender. The brackets should be mounted such that they overhang into the engine compartment slightly about  $\frac{1}{16}$ ". The attaching holes will be somewhat inboard of the fender bolt. Mark the hole locations, center-punch, and drill two  $\frac{13}{64}$ " holes to mount the lower bracket (the center hole is not used). It may be helpful to use the bracket to make a paper template for locating your holes exactly 2" apart. Figure 2.



**Figure 2**

- 3) Use the provided machine screws and nuts to mount the lower bracket. On some MGBs, the fuse box may interfere with the bracket. Reposition the fuse box slightly lower if necessary. Figure 3.



**Figure 3**

## Installation Instructions

- 4) The top bracket is located with the top hole 2" below the weld seam and parallel to the hood lines with the ball stud end facing out as shown. Center-punch, and drill two  $\frac{1}{8}$ " holes to mount the upper bracket. Use a drill stop or a small piece of wood so that your drill bit does not dent the hood when it penetrates through. Figure 4.



Figure 4

- 5) Take a gas spring and place a rag or piece of rubber on the floor. Compress it a few times. It will be very tight at first but should loosen up a bit. Take note of the slots where the caps can be pried off using a small flat-head screwdriver for servicing. Install the gas springs on the brackets with the fat cylinder end upward.
- 6) Repeat all steps for the other side, ensuring that the brackets are mounted to lift the hood evenly. Enjoy your dual strut hood lift kit! Figure 6.



Figure 6

### Austin Healey Sprite and MG Midget (1962-1980) Install

- 1) Remove the factory hood prop. Use a broom handle or another secure means of holding the hood wide open.
- 2) To locate the lower brackets, measure exactly  $7\frac{1}{2}$ " forward from the corner of the fender near the windshield. Place a piece of masking tape and a mark here. This will be the center point of the larger lower bracket, which will be mounted to the underside of the channel on the fender. Figure 2.



Figure 2

- 3) The brackets should be mounted such that they overhang into the engine compartment by  $\frac{3}{16}$ ". Mark the hole locations, center-punch, and drill two  $\frac{13}{64}$ " holes to mount the lower bracket (the center hole is not used). It may be helpful to use the bracket to make a paper template for locating your holes exactly 2" apart. Figure 3.



Figure 3

- 4) Use the provided machine screws and nuts to mount the lower bracket. Figure 4.



**Figure 4**

- 5) Take a gas spring and place a rag or piece of rubber on the floor. Compress it a few times. It will be very tight at first but should loosen up a bit. Take note of the slots where the caps can be pried off using a small flat-head screwdriver for servicing.

- 6) Attach the smaller rod end of the gas spring to the lower bracket. Hold the hood to the desired full open position, but not so much as to flex the firewall. Attach the upper bracket to the cylinder end of the gas spring. Pivot the gas spring up to the hood. The L-shaped bracket should fit flush with the hood channel with the ball stud facing out as shown. Figure 6.



**Figure 6**

- 7) With the gas spring fully extended and the hood in the desired position, make your marks using the upper bracket as a template. Attach another piece of tape on the outside of the hood and mark at the center point of the proposed position of the upper bracket. Remove the upper bracket, close the hood, and check that there is at least 12" between the marks. This will ensure the gas spring does not bottom out when the hood is closed. Figure 7.



**Figure 7**



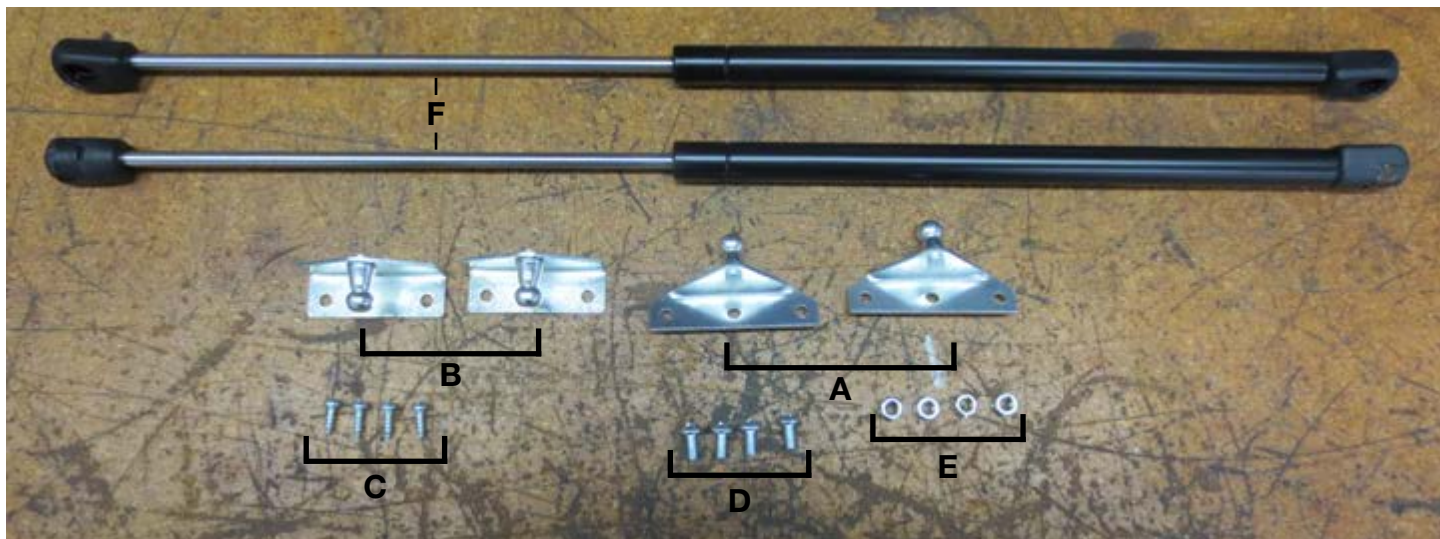
- 8) Center-punch, and drill two 1/8" holes to mount the upper bracket. Use a drill stop or a small piece of wood so that your drill does not dent the hood when it penetrates through. Mount the upper bracket using the supplied sheet metal screws and reinstall the gas spring onto the upper bracket. Carefully close the hood ensuring there is no interference with the strut.
- 9) Repeat all steps for the other side, ensuring that the brackets are mounted to lift the hood evenly. Enjoy your dual strut hood lift kit! Figure 9.



**Figure 9**



## Installation Instructions



Bill of Materials Part#900-072		
Ref	Qty	Description
A	2	Lower Bracket
B	2	Upper Bracket
C	4	Sheet Metal Screw (#8)
D	4	Machine Screw (#10-32)
E	4	Locking Nut (#10-32, 5/16" Hex Head)
F	2	Gas Spring

***Note: Parts not for sale individually***

***Although every effort has been made to ensure the accuracy and clarity of this information, any suggestions that you may have that will improve the information (especially detailed installation notes and photos) are welcome. These instructions were developed and written by Moss Technical Support. If you have any questions or difficulties with your installation of this product, telephone 800-667-7872 between 7:00 a.m. and 4:00 p.m., Pacific Time for assistance.***

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