



RINGBROTHERS

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1967-70 Cougar Billet Hood Hinge Kit Installation Instructions

Part #1021-52670 & 1022-52670

Packing List:

- 2 – Hinge assemblies, one right and one left.
- 6 – 5/16" x 1-1/2" Button head bolts for attaching hinge body to inner fender.
- 4 – 5/16" x 1-1/4" Button head bolts w/ washers for attaching hinge bracket to hood.
- 2 – Gas springs

Tools needed:

- 1/2" Socket, open end or box end for removing factory hinges.
- 3/16" Allen wrench for installing button head bolts.
- 11/32" and 3/8" Open end wrenches for hood adjustment height link.

Note:

Check ALL bolt lengths for bottoming before tightening

Installation steps:

1. Remove hood.
2. Remove factory hinges and try to hand tighten a button head bolt where each hinge bolt was removed. If the threads are damaged or corroded re-tap them with a 5/16 18 tap.
3. The machined aluminum spacers are for use on 1967 thru 1970 Mustangs and fit in slots on the back side of each hinge body. They should be very close to the correct thickness for factory hoods but may need to be reduced in thickness, or even shimmed with washers, to compensate for variations in hole locations on some aftermarket hoods.

This will have to be determined after the hinges, and possibly the hood, are installed so some disassembly and re-assembly may be required.

4. Position each hinge on the correct side and attach the hinge body to the inner fender with the 5/16" x 1-1/4" button head bolts. Use the two washers on the rear bolts. Before tightening the bolts completely move the hinge body up or down so the bolt is centered in the slot.
 5. With the hinges in the lowered position measure between the fenders, across the hood brackets, and compare the spacing of the holes in the brackets to those in the hood. This may help in accurately positioning the hinges before the hood is bolted on.
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6. Each hinge has a gas spring to hold the hood open. The gas spring should be attached to the hinge after the hinge is installed but before the hood. The body, or thicker part of the spring should be attached to the ball stud at the higher point on the hinge so that the shaft will be oiled by gravity.
7. Attach the hood to the hinges with the 5/16" x 1-1/4" button head bolts. Slide the hood forward as far as possible before tightening the bolts. This will assure that the hood will not hit the cowl as it is lowered. Lower the hood **carefully**, watching the clearance front and back as well as both sides. Adjust the hood on the hinge brackets as needed for the correct clearance.
8. Adjust the hood height. Once the hood closes completely, check the height of the hood at the rear corners. The hinges are shipped with the height adjustment in the lowest position so if the hood is too high lower the entire hinge on the inner fender. If the hood is too low raise it by adjusting the short link with rod end bearings. **Be aware that adjusting the height this way will also move the hood slightly forward so the hood may have to be repositioned on the hinge brackets.** Tighten the jam nuts when the adjustment is complete.

Any questions please call 608-588-7399
 Enjoy your new Ringbrothers Billet Hinges

NOTES:

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	1012-001-P	FENDER BRACKET	1
2	1012-002-P	STRUT INSERT	1
3	1012-003-P	FRONT CONTROL ARM	1
4	1012-004-P	REAR CONTROL ARM	1
5	1012-005-P	FRONT ARM	1
6	1022-001-P	SPACER	1
7	1022-006-P	HOOD BRACKET (67-70)	1
ASSEMBLY HARDWARE			
8	62-01-9005	STAND OFF	1
9	HELICOIL	10-32 X 2.0 LENGTH (.285 LG)	2
10	04-8011	HEMI JOINT	1
11	0474487-FA	R3 BEARING	2
12	0474489-FA	R4 BEARING	2
13	0474493-FA	R6 BEARING	1
14	0435473-FA	.51 ID X 1 OD BRZ	2
15	5906K549-MC	3/4 ID X 1-9/16 OD	1
16	98017A640-MC	0.203 ID X 0.438 OD	2
17	91306A379-MC	1/4-20 X 5/8 BHCS ZN	5
18	91306A356-MC	10-32 x 1/2 BHCS ZN	2
19	91306A358-MC	10-32 X 3/4 BHCS ZN	2
21	91306A419-MC	3/8-16 X 1 BHCS ZN	1
HARDWARE KIT			
21	91090A110-MC	0.328 ID X 0.625 OD ZN	4
22	BALL STUD	10mm BALL STUD	4
23	GAS STRUT	WITH EXTENDER	2
24	94744A249-MC	.344 ID X .875 OD	4
25	91090A110-MC	0.328 ID X 0.625 OD ZN	10
26	91306A391-MC	5/16-18 X 1 BHCS ZN	4
27	91306A410-MC	5/16-18 X 1 1/2 BHCS ZN	6