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Part # 12102899
67-70 Mustang Lower StrongArms

Components:

1	90000110	Driver side lower arm
1	90000111	Passengers side lower arm
2	90000895	Lower ball joint
2	90002283	Thick washer for ball joint
4	90000112	Eccentric eliminator
2	90000108	Inner bushing sleeve
4	90001086	Poly bushing half
2	90001045	Control arm pivot bearing
2	90000734	Bearing housing
2	90000109	Bearing retaining plate
2	90000733	Aluminum bearing spacer
2	90000732	Bearing stud (Set to 2- 15/16")
2	99250001	1/4-28 grease fitting – Use Lithium grease on frame bushings

Hardware:

2	99501025	1/2"-13 x 4 1/2" Gr.5 bolt	Lower arm to frame
2	99502001	1/2"-13 Nylok nut	Lower arm to frame
6	99371019	3/8"-16 x 1 1/2 SHCS	Bearing housing
6	99373005	3/8" lock washer	Bearing housing
2	99752004	3/4"-16 Jam nut	Stud to arm
2	99752001	3/4"-16 Lock nut	Stud to bearing
2	99753002	3/4" x 2" flat washer	Stud to bearing

Installation Instructions

1. Raise and support vehicle at a safe, comfortable working height. Let the front suspension hang freely.
2. Remove the coil spring, shock absorber, upper shock bracket, strut rod, sway bar, upper and lower control arms. Refer to factory service manual for proper disassembly procedure.



3. Be sure to remove the outer bushing sleeve from the strut rod frame mount.

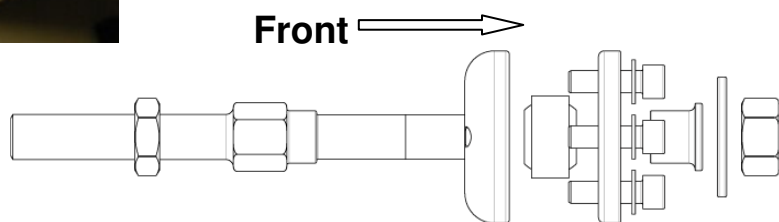
4. Remove any excess undercoating or rust.



5. Using the bushing retainer as a template, mark the holes to drill with a center punch.

6. Remove the retainer and drill the holes with a 3/8" bit.

7. Place the bearing inside the bearing housing, then clamp it to the frame with the bearing retainer and the 3/8" x 1 1/2" SHCS and lock washers.





8. The bearing stud should already be threaded into the lower arm, factory set at 2-15/16" (measuring from the end of the arm to the bearing).

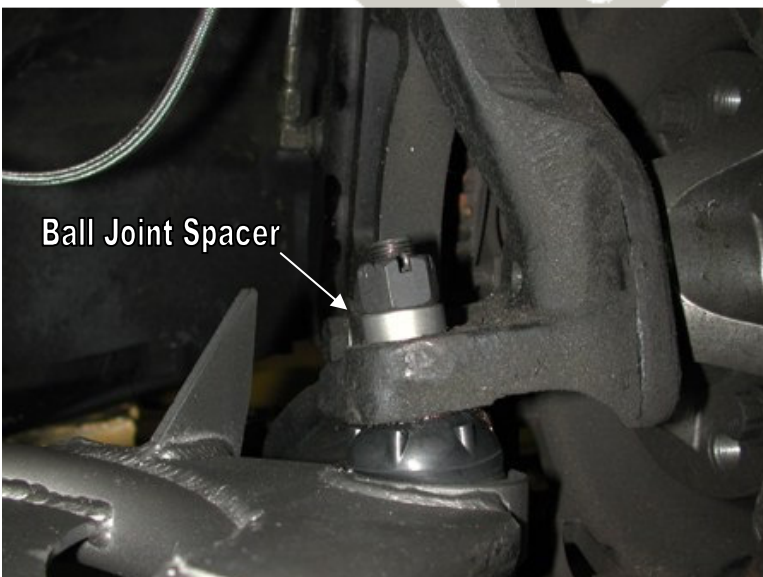
9. Slide the stud through the bearing, then slide the aluminum spacer over the stud with the larger end toward the front of the car. Secure the assembly with a 3/4" Nylok Nut and flat washer.

Note: The caster setting should set at around 3.5 degrees positive. Vehicle must be aligned before driving.



10. Attach the other end of the lower control arm to the factory frame mount using a 1/2" x 4 1/2" bolt and Hex nut.

11. Eccentric eliminator plates are includes and one must be installed on each side of the frame. Start out with it in the center, make sure both plates are in the same position.



12. Slide the ball joint boot over the ball joint, then place the spindle over the ball joint stud. A ball joint spacer will be necessary to align the castle nut with the cotter pin hole. Grease ball joint

Note: Before installing the spindle, turn the ball joint stud so that the cotter pin hole faces front to back. This will make it easier to install/remove the cotter pin.

13. Lubricate control arm bushing with Lithium grease.

This exploded view diagram illustrates the assembly of a mechanical component, likely a valve actuator. The main body (1) is a large, grey, L-shaped casting. At the bottom left, a blue bracket (11) is attached to the main body. A long, grey, cylindrical rod (14) passes through the main body. A blue, cylindrical component (10) is mounted on the rod. A blue, cylindrical component (9) is also shown. A blue, cylindrical component (8) is mounted on the rod. A blue, cylindrical component (7) is mounted on the rod. A blue, cylindrical component (6) is mounted on the rod. A blue, cylindrical component (5) is mounted on the rod. A blue, cylindrical component (4) is mounted on the rod. A blue, cylindrical component (3) is mounted on the rod. A blue, cylindrical component (2) is mounted on the rod. A blue, cylindrical component (1) is mounted on the rod. A blue, cylindrical component (17) is mounted on the rod. A blue, cylindrical component (16) is mounted on the rod. A blue, cylindrical component (15) is mounted on the rod. A blue, cylindrical component (13) is mounted on the rod. A blue, cylindrical component (12) is mounted on the rod. A blue, cylindrical component (11) is mounted on the rod. A blue, cylindrical component (10) is mounted on the rod. A blue, cylindrical component (9) is mounted on the rod. A blue, cylindrical component (8) is mounted on the rod. A blue, cylindrical component (7) is mounted on the rod. A blue, cylindrical component (6) is mounted on the rod. A blue, cylindrical component (5) is mounted on the rod. A blue, cylindrical component (4) is mounted on the rod. A blue, cylindrical component (3) is mounted on the rod. A blue, cylindrical component (2) is mounted on the rod. A blue, cylindrical component (1) is mounted on the rod.