

# Competition Engineering Mustang Rear Coil Over Kit (79-04) - Installation Instructions



The below installation instructions work for the following products:

- **Competition Engineering Mustang Rear Coil Over Kit (79-04)**



Please read through the instructions carefully before starting this project. Take the time to get all the materials together as well as all the safety equipment.

## Intro:

- This performance product includes everything necessary to update a 3rd Gen rear suspension. The factory suspension is fine for typical street use but can't be counted on to transfer hard earned horsepower to the pavement. This is especially true when combined with a high out put engine. Installation of this kit will greatly enhance the cars ability to launch off the starting line.

## Parts List

- 2) Coil Over Shock
- 2) Coil Over Spring
- 1) Upper Shock Mount (Left)
- 1) Upper Shock Mount (Right)
- 2) Lower Shock Bracket
- 2) Spacers 3/8" X 1/2"
- 8) Spacer 1/2" X 3/16"
- 2) 5/8" Nyloc Nut
- 8) Retaining Ring, (Internal)
- 4) Shock Bearings
- 2) 3/8 X 1-1/4" Bolt
- 2) 1/2" X 1" Bolt
- 4) 1/2" X 2-1/2" Bolt
- 2) 3/8" Nyloc Nut
- 6) 1/2" Nyloc Nut
- 2) 5/8" Washer

## Installation:

1. Jack up and support the chassis in four places with jack stands.
2. Support the rear end with a floor jack.
3. Remove the factory rear shocks.
4. Lower the rear end housing far enough to facilitate removing the factory coil springs.

5. Install a Lower Shock Bracket (3/8 bolt hole up) onto the rear end housing, using a supplied 1/2" X 1" Bolt and 1/2" Nyloc Nut, a 3/8" X 1-1/4" Bolt and Nyloc Nut and a 3/8" X 1/2" Spacer.
6. Place a Spacer between the Lower Shock Bracket and the existing bracket on the rear end.
7. Place a 3/8" bolt through both brackets and the spacer and secure with a supplied Nyloc Nut.
8. Install a 1/2" X 1" Bolt and tighten securely using a Nyloc Nut.
9. Install the Upper Shock Brackets so that the long flat edge of the top of the bracket faces the outside of the car. To determine which side is which, place the brackets as was previously explained. When the Upper Bracket is matched to the correct side of the car, the tower will be on the rearmost portion of the bracket (Being viewed from the center of the vehicle).
10. Secure with a supplied Nyloc Nut with Washer and tighten to 180 ft lbs.
11. Assemble a Coil-Over Shock and Spring per instructions included with Shock.
12. Using the supplied 1/2" Bolt and Shock Spacers, install the shock assembly into the Upper Shock Mount with a Shock Spacer on each side of the Shock Bearing.
13. Tighten the 1/2" Bolt to 90 ft lbs.
14. Raise the rear end slowly while guiding the lower shock bearing into the Lower Shock Mount.
15. Install the Shock Spacers as you did on top and install the 1/2" Bolt and tighten to 90 ft lbs.
16. Lower the vehicle to the ground and check ride height per the Shock Instructions.

Installation instructions provided by Competition Engineering

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