Rogue Engineering Rear Shock Mount Installation

(for E30, E36, E46 and Z3 models)

Thank you for purchasing the Rogue Engineering Rear Shock Mounts. These fit all E30, E36, E46 and Z3 models. These rear shock mounts are proudly made in the USA from aircraft quality 6061-T6 aluminum and anodized to protect the finish. The high strength steel reinforcement plate with Grade 10.9 welded studs are yellow zinc plated for added corrosion resistance. The neoprene rubber bushings are impervious to all moisture and resist breakdown from heat and elements. All other supplied hardware is made from 303 stainless steel for longevity. The unique design of these rear shock mounts allows not only for rear shock tower reinforcement, but also adds the convenience of easy removal without rear trunk disassembly.

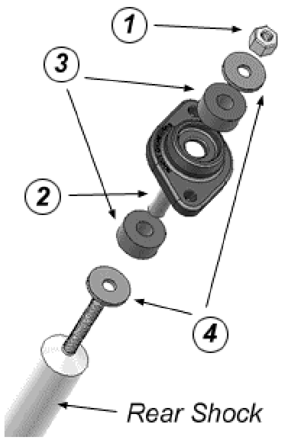
Parts Included:

- Two (2) Rogue Engineering Aluminum Rear Shock Mounts
- Two (2) Rogue Engineering Reinforcement Plates with welded studs
- Four (4) Serrated Flanged Locknuts
- Two (2) Factory BMW rear shock mount gaskets
- Four (4) Neoprene Rubber Bushings
- Four (4) Stainless Steel Bushing Washers
- Two (2) Stainless Bushing Shaft Spacers

Installation Notes

Installation of the rear shock mounts requires removal of the rear shocks. We will ***not*** be covering this information.

Assembling Mount onto Rear Shock



If standard rear shocks are being used (10mm OD shaft), be sure to use all the required parts including the bushings shaft spacer (#2) and supplied washers (#4). Any additional factory or aftermarket washers included with the shocks should also be used, but in addition to the supplied parts. ***Tighten top nut on shock to approximately 11 ft. lbs.*** **(#1)** ***This nut is not supplied by Rogue Engineering, but from the manufacture of the shock. If this nut is NOT a nylon locknut style, threadlock is recommended.***

If race shocks (12mm OD shaft) are used, you may disregard using the bushing shaft spacer (#2) and use only the bushings (#3). Additionally, the supplied washers (#4) must be modified to accept this larger OD. Otherwise, modified washers for race shocks are available at extra cost from Rogue Engineering.

Installation of Rear Shock

The reinforcement plate (#5) is designed to be mounted INSIDE the vehicle, with studs pointing downwards. If the rear shock mount is being used with an aftermarket rear strut tower brace, the plate can be placed UNDER the rear shock mount assembly , with the studs pointing upwards into the rear trunk area of the vehicle.

The factory gasket (#6) is placed UNDER the rear shock mount tower, on top of the rear shock mount. This acts as a seal against moisture from entering the rear trunk area.

The flanged lock nuts (#7) secure the rear shock mount to the chassis of the vehicle. They are tightened UNDER the rear shock mount. ***They are tightened to 28Nm (approx. 20 ft. lbs.).***

If rear shock removal is required in the future, you only need to loosen the lower rear shock bolt and the two serrated flanged nuts (#7) under the rear shock mount. Because the reinforcement plate remains in the vehicle, complete rear trunk disassembly is not required.

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