



935 Spring Plate - Installation and use instructions

Part #: 2180000

Cars applicable:

911 / 912 / 930

Parts list:

Quantity	Description
2	935 Spring Plate Assemblies (1 Left, 1 Right)
6	M10 x 1.5 Socket Head Cap Screws, 40mm length
2	M10 x 1.5 Socket Head Cap Screws, 55mm length
8	M10 Schnorr Washer
2	5/8 x 18 Hex Head Cap Screw, 2.5" length
2	5/8 Schnorr Washer



Tools Required:

- Socket Set with 8mm Hex Key, 19mm and 15/16" Sockets
- Torque Wrench
- 26mm, and 32mm open end wrenches

Introduction:

Congratulations on your purchase of the Elephant Racing 935 Spring Plate Kit. This kit requires the installation of coilover style rear suspension setups similar to what was seen on the 935 race cars. With a double adjuster rod end, spring plate length adjustment is quick and easy.

The rod ends on the Elephant Racing 935 spring plate kit have integrated rubber seals to keep out debris and moisture. This minimizes wear in the bearing and ensures long-term reliability.

In addition, these spring plate kits have provisions for two different height settings for users who wish to dial in additional anti-squat geometry.

Step-by-Step Instructions:

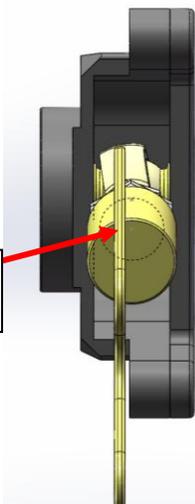
1 – Safely raise and secure the vehicle, then remove the rear wheels.

2 – Remove the factory spring plates and torsion bars. Refer to an appropriate shop manual for the requisite steps.

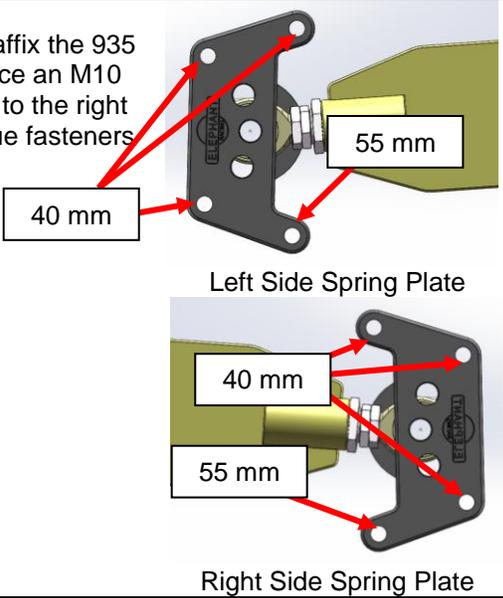
3 – Install the Elephant Racing 935 Spring Plate Kit onto the vehicle. Each Spring plate assembly is labeled indicating which side of the vehicle it is to be installed on, left or right. See the photo to the right for a depiction of the spring plate orientation.

Outboard 

Spring Plate Offset in the inboard direction 



4 – Use the supplied M10 socket head cap screws to affix the 935 spring plate mounts to the chassis. Be sure to place an M10 schnorr washer under each screw. See the image to the right for a pictorial of where to use each fastener. Torque fasteners as specified in an appropriate shop manual.



5 – Forward attachment point location

Depending on the desired level of anti-squat geometry, the 935 spring plate can be assembled at two different height settings.

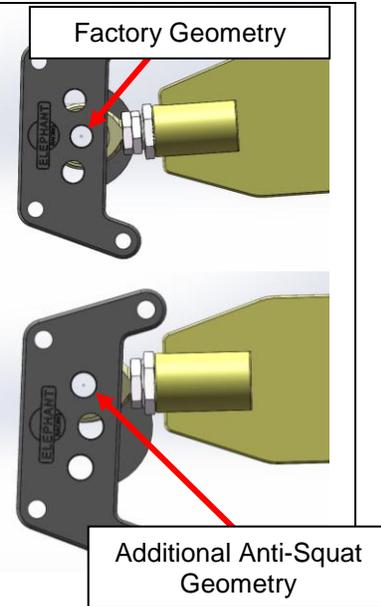
Factory Position: Positioning the rod end at the center hole replicates the original suspension geometry

Top Hole: Positioning the rod end at this hole will increase the amount of anti-squat in the rear suspension geometry.

NOTE: This position should only be used in conjunction with a raised forward trailing arm pickup point.

Lower Hole: This position should never be used.

Torque the 5/8" hex head cap screw to 85 ft/lbs

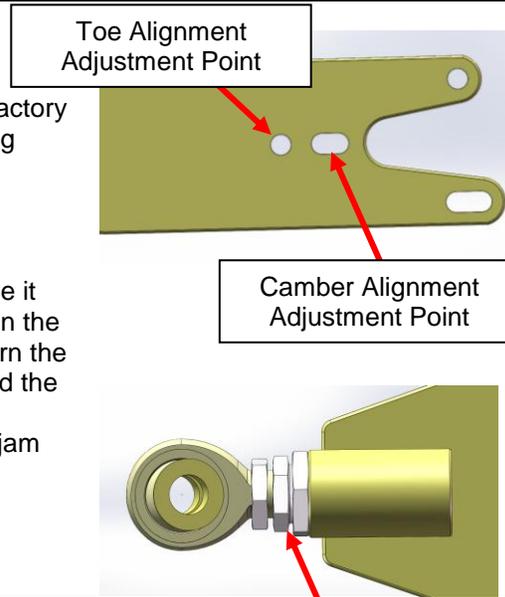


6 – Attach the spring plate to the trailing arm using the factory fasteners.
Torque fasteners as specified in an appropriate shop manual.

7 – Toe and Camber Adjustment

The Elephant Racing 935 spring plate retains the factory toe and camber eccentric bolts. The camber setting adjusts as normal.

Tighten the factory toe eccentric bolt and do not use it for toe adjustment. To adjust the toe setting, loosen the jam nuts on the double adjuster at the rod end. Turn the center hex of the double adjuster one way to extend the length of the spring plate, and the other to shorten. Once the toe is at the desired setting, tighten both jam nuts



8 – Ensure all fasteners are tightened to the specifications as called out in an appropriate shop manual, re-install the wheels, and lower the car. Test drive the car to make sure all components are tight and functioning as intended.

Following Installation, Elephant Racing strongly recommends your vehicle be aligned by a trained technician.

Turn to lengthen or shorten the spring plate



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