

# SMARTRACING™ PRODUCTS

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WEVO Shift Coupler – Part No. 733101

## Installation Instructions for WEVO Positive Shift Joint (PSJ) to stock 911 shifter, Bushing Replacement, and Shifter Adjustment

The WEVO Stock 911 Positive Shift Joint (PSJ), is a high performance upgrade for your 911 shift linkage mechanism. This unit is a direct replacement for the O.E. coupler used in all 901, 915 and 930 equipped 911 chassis.

The WEVO Stock 911 PSJ can be installed with the original shift tube clamp and original M8 conical nose set screw.

The installation of this unit as a replacement of our O.E. shift coupler will improve accuracy of the shift linkage. It will eliminate "lost motion" where it existed due to original design considerations for NVH (Noise, Vibration, Harshness) and wear and tear due to use and age.

For cars using a stock shifter, the set-up of the WEVO Stock 911 PSJ should be performed as per the O.E. coupler.

If you are using an aftermarket shifter of any kind, follow the set-up instructions peculiar to that shifter unit.

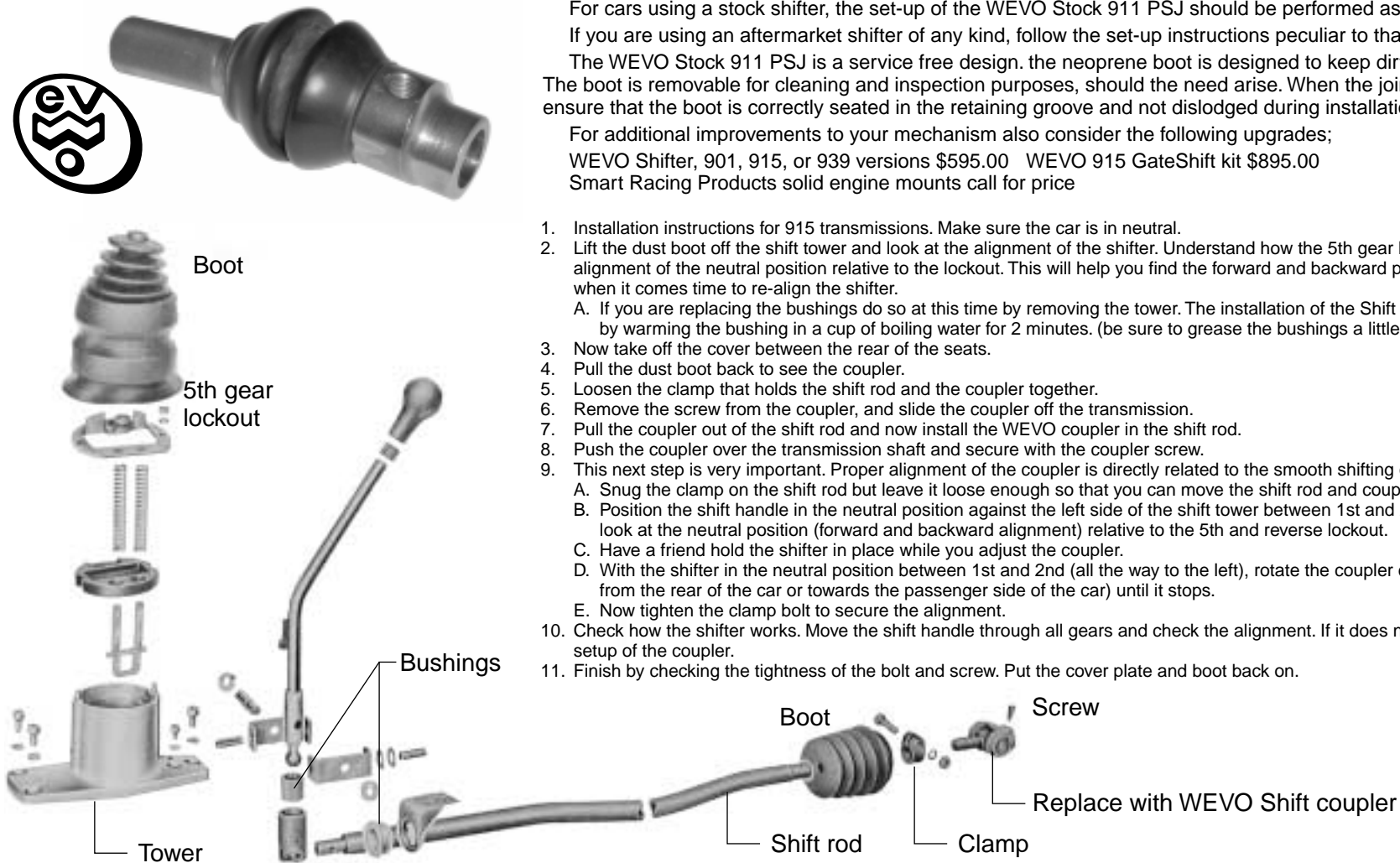
The WEVO Stock 911 PSJ is a service free design. the neoprene boot is designed to keep dirt from the mechanism. The boot is removable for cleaning and inspection purposes, should the need arise. When the joint is installed, check to ensure that the boot is correctly seated in the retaining groove and not dislodged during installation.

For additional improvements to your mechanism also consider the following upgrades;

WEVO Shifter, 901, 915, or 939 versions \$595.00 WEVO 915 GateShift kit \$895.00

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1. Installation instructions for 915 transmissions. Make sure the car is in neutral.
2. Lift the dust boot off the shift tower and look at the alignment of the shifter. Understand how the 5th gear lockout works and alignment of the neutral position relative to the lockout. This will help you find the forward and backward position of the shift handle when it comes time to re-align the shifter.
  - A. If you are replacing the bushings do so at this time by removing the tower. The installation of the Shift tube bushing can be eased by warming the bushing in a cup of boiling water for 2 minutes. (be sure to grease the bushings a little when you install them).
3. Now take off the cover between the rear of the seats.
4. Pull the dust boot back to see the coupler.
5. Loosen the clamp that holds the shift rod and the coupler together.
6. Remove the screw from the coupler, and slide the coupler off the transmission.
7. Pull the coupler out of the shift rod and now install the WEVO coupler in the shift rod.
8. Push the coupler over the transmission shaft and secure with the coupler screw.
9. This next step is very important. Proper alignment of the coupler is directly related to the smooth shifting of the car.
  - A. Snug the clamp on the shift rod but leave it loose enough so that you can move the shift rod and coupler.
  - B. Position the shift handle in the neutral position against the left side of the shift tower between 1st and 2nd gear. Make sure to look at the neutral position (forward and backward alignment) relative to the 5th and reverse lockout.
  - C. Have a friend hold the shifter in place while you adjust the coupler.
  - D. With the shifter in the neutral position between 1st and 2nd (all the way to the left), rotate the coupler clockwise (when looking from the rear of the car or towards the passenger side of the car) until it stops.
  - E. Now tighten the clamp bolt to secure the alignment.
10. Check how the shifter works. Move the shift handle through all gears and check the alignment. If it does not feel right, re-do the setup of the coupler.
11. Finish by checking the tightness of the bolt and screw. Put the cover plate and boot back on.



Questions or comments please call 408.369.9997 or FAX 408.369.9741  
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