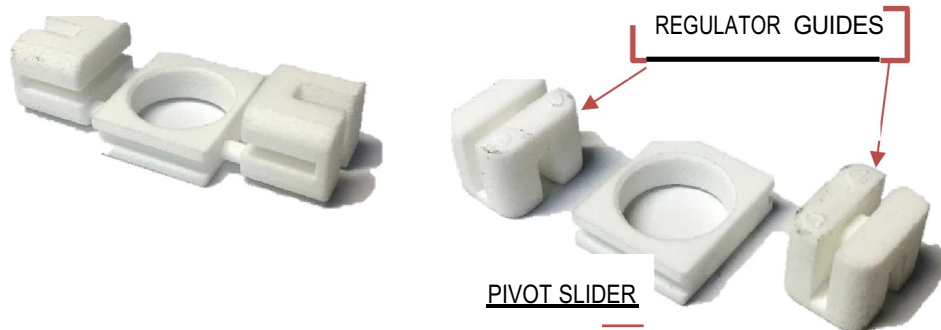
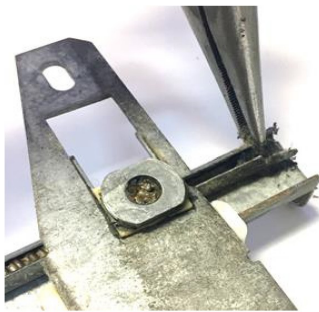


Manual Window Regulator Rebuild Kit for Vanagon

1. Remove the window regulator from your van (refer to Bentley manual section 57.4).
2. Remove the new window regulator rebuild parts from their connecting sprue by snapping and discarding the sprue connections. It may be necessary to use pliers or side cutters.



3. Using a flat-blade screwdriver and a pair of pliers, pry open the regulator spring retaining tabs at the top of the regulator channel.
4. Attach a window crank to the regulator splines and turn it to drive the window mount plate out of the regulator channel.



With the regulator spring free from the guide channel, thoroughly clean both the regulator spring and the guide channel to remove old grease and dirt. Lubricate these parts with high quality grease to ensure smooth operation of the window regulator.

5. Hold the regulator spring firmly with a pair of pliers. Using another pair of pliers, unthread the round pivot counterclockwise to remove it from the regulator spring.
6. Place the new pivot slider guide on the round pivot. Use two pairs of pliers to thread the round pivot point clockwise three turns back onto the regulator spring.



Manual Window Regulator Rebuild Kit for Vanagon

7. Remove the original regulator guides from the window mount plate and push the new regulator guides firmly onto the window mount plate as shown below.

(Passenger side shown)



8. Push the regulator spring down to engage the drive gear. Use the window crank to drive the round pivot point down to the bottom of the regulator, around the bend in the regulator channel.



9. Install the window mount plate onto the regulator, taking care to align the lower regulator guide on the regulator guide rail.



10. Align the pivot slider guide in the window mount plate so that the side channels in the guide slide onto the window mount plate.



11. Use the window crank to drive the window mount plate fully on the window regulator guide rail. Ensure that the upper regulator guide is properly aligned on the guide rail.

Do not apply excessive force to the window regulator when installing the window mount plate. If it does not slide easily, **check for proper alignment** of all three rebuild components.

12. Use a pair of pliers to close the regulator spring retaining tabs.



13. Reinstall the window regulator assembly in your van.

Enjoy your rebuilt regulator!