



# Parts4Marx Tech Tips

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## Replacing a valve gear on a 333 or 1829

To replace the valve gear on a 333 or 1829 engine:

1. Remove the motor assembly.
2. Use a small grinder or Dremel tool and grind the back side of the rivet holding the rocker.
3. Assemble the rocker with the solid rivet (included with the kit). Fitting may be required.
4. Use a small piece of masking tape on the face of the rivet to hold it in place.
5. Place a flat metal block under the face of the rivet, and block the rest of the shell so that it is level.
6. Use a pointed punch or the universal eyelet tool (RG Part No. 260) to spread the hollow part of the solid rivet.
7. Use a flat punch to roll the rivet over.
8. The other end attaches with a screw. Run the motor with your hand to make sure it is not binding.

**Note:** Marx did not quarter its motors. Make sure that the cranks are positioned properly. If the motor is run without checking this, the valve gear will likely break.