

Valve Adjustments

This bulletin covers the following Champion Power Equipment models:

79cc – 439cc Engines

Note: Read instructions completely before performing service.

Note: The valve adjustment on these engines will extend the useful life by keeping the clearance between the rocker arm and valve stem at the correct measurement. Too loose a clearance and the chance of valve collar failure increases along with excessive noise from the rocker arms hitting the end of the valve stem like a hammer. Too tight a clearance and hard starting or significant loss of compression will take power away from the engine.

1. Remove the OHV cover from the top of the engine. Usually a 10mm socket with extension and ratchet.
2. Pull the recoil assembly until intake rocker arm is all the way in the **down position**, compressing the valve spring.
3. When intake is in the down position, we are going to adjust the exhaust rocker arm to .008"
4. Pull the recoil assembly until the exhaust rocker arm is all the way in the **down position**, compressing the valve spring.
5. Now we are going to adjust the intake rocker arm to .006"
6. Re-install valve cover and gasket. Be sure breather tube is connected from valve cover to air filter backing plate.
7. Start and confirm the engines running sounds. Engine should sound normal at this point.

If you have any questions regarding the previous procedure, please contact our technical department Monday – Friday from 8:30AM – 5:00PM PST at 877-338-0999.

If you have any questions, please contact Champion Power Equipment:

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