

INSTRUCTION SUPPLEMENT FOR 1996-2004 HONDA XR250R

Removing stock carburetor and cables

1. Remove seat and gas tank. **Make sure fuel petcock is in "off" position.**
2. Remove throttle cables paying close attention to routing, as the new cables will need too be routed the same.
3. Remove stock carburetor and stock throttle housing.
4. Stuff a dry, clean rag into the intake manifold to keep debris from entering engine.

NOTE: It may be easier to remove sub-frame prior to installation.

Preparing Bike for Carburetor installation

Once stock carb has been removed, remove all crank case breather lines. The steel breather barb on the crank case needs too be rotated clockwise until it points towards the left frame down tube. This is needed for carb clearance. It can by done by simply using a pair of standard pliers. See figure 1.

Figure 1.



Installing the Edelbrock Carburetor and Throttle Cables

1. Install the throttle cables into the supplied throttle housing and place onto clean handlebar end.
2. Remove the rubber carburetor alignment tabs from the manifold using a razor blade or sharp cutters. This should be done with the rag left in the manifold. **Be very careful not to damage the manifold or your hands while doing this!!**
3. Remove the hex pipe plug from the carb cap using a 11mm or 7/16 wrench. **Do not discard plug, as it will be needed later.** Install the metering adjustment tool included in the hardware kit. **Do not over-tighten as damage may occur to cap.**
4. Install provided fuel line onto fuel inlet banjo and secure with pinch clamp.
5. Place Edelbrock carburetor into manifold. Do not tighten clamp yet.
6. Remove the cable bracket end from cable bracket using #2 phillips.
7. Install pull cable (see Figure 2) end into the 4:00 position of the cable wheel and the return cable into the 1:00 position. Secure cables into cable bracket by replacing end piece and phillips screw. See figure 3.

Figure 2.

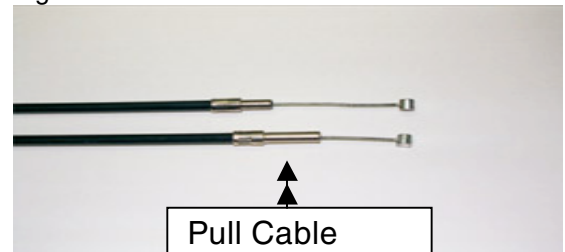
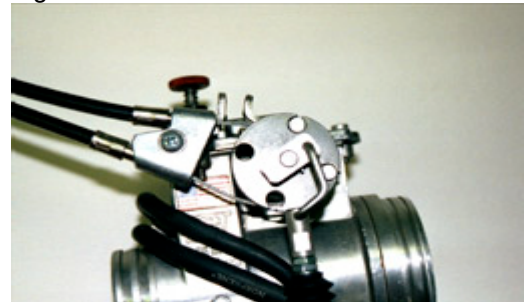


Figure 3.



8. Align carburetor as close to vertical as possible and tighten manifold clamp.

9. Adjust pull cable until wide-open throttle is achieved. Adjust return cable to take up the slack. **Note: When throttle cables are adjusted properly, there should be approx. 1/8" of free play in the throttle.**
10. After throttle cables have been adjusted the handle bars should be rotated from full right stop to full left stop while opening and closing throttle to ensure smooth operation. Also check to make sure the cables do not catch or bind on anything, i.e., hand guards, stabilizers.
11. Secure clamp around air boot onto back of carburetor.
12. Install remote idle cable into threaded tab on top of carburetor. Refer to main instruction for remote idle cable installation and adjustment.
13. Disconnect the crank vent lines from the stock plenum (some models were not equipped with a plenum. Instead, they had a tee similar to the one provided in the kit. If your motorcycle has a tee from the factory, disregard this and go to step 14.) and replace it with the provided tee fitting. See figure 4.

Figure 4.



14. Reinstall crank vent lines to stock locations.
15. Install fuel tank and connect fuel line to petcock and secure with remaining pinch clamp. Turn fuel on and check for leaks.
16. Open throttle 3-5 times to prime accelerator pump. **Do not open**

throttle any more than 5 times as this may flood engine!!

17. Once pump is primed, get motor to TDC and kick through without opening throttle. If Motor will not fire with a few kicks, open idle cable 1/2 turn and repeat starting process.

NOTE: If flooding occurs, slowly open throttle to wide open and hold. With throttle still open, hold decompression lever and kick motor through 5-10 times. Release throttle and decompression lever and proceed with normal starting procedure.

For any questions regarding tuning or installation of Edelbrock products, please call our toll free tech line M-F 8:00am-12: 30pm, 1:30pm-5:00pm PST. 877-888-7504 ext.2.

Edelbrock #3116 XR250R Carburetor specifications

Bore Size: 30mm wide X 32mm Tall

Needle: 15E @ 10 clicks

Accelerator Pump Bypass: 1.5 turns out.

Alternate Needles: 13E, 17E

Replacement Throttle Cables: #9337

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