

CARBURETOR JETTING FOR HIGH ELEVATIONS

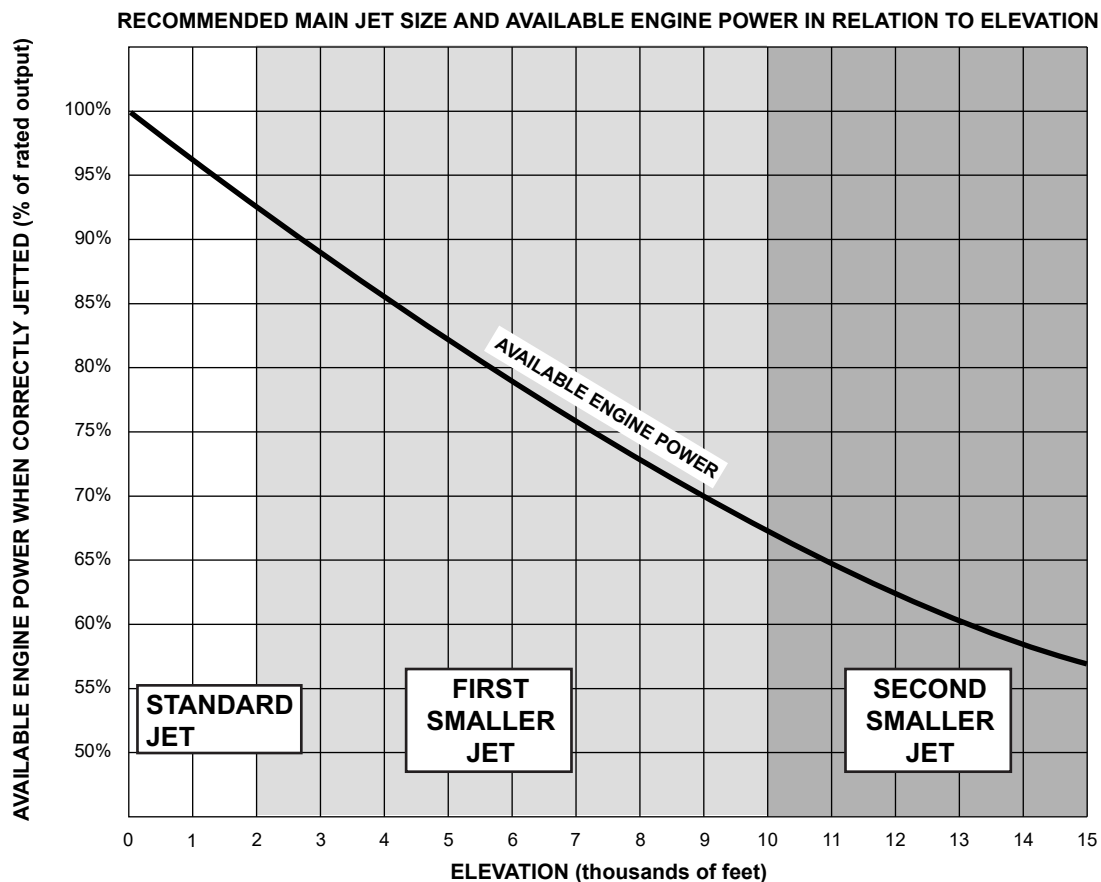
At high elevations, an engine's performance will decrease, and fuel consumption will increase due to the air being less dense. If a Honda engine will be used at an elevation above 2,000 feet (610 meters), its performance and exhaust emissions can be improved by making a modification to the carburetor to correct the air-fuel mixture.

Even with carburetor modifications, engine horsepower will decrease around 3.5% for each 1,000-foot (300 meter) increase in elevation. When the carburetor is modified for high elevation operation, the air-fuel mixture will be too lean for low elevation use. Operation at elevations below 2,000 feet (610 meters) with a modified carburetor may cause the engine to overheat, and result in serious engine damage.

To have your engine's carburetor modified for high elevation use, contact an authorized Honda Power Equipment Dealer near you for assistance. To find a dealer near you, go to powerequipment.honda.com or call Honda Customer Relations at 770-497-6400. Modifying the carburetor for high elevation use is not covered under the *Distributor's Limited Warranty*.

If you feel comfortable performing the modification yourself, use the information provided below along with the appropriate Honda Shop Manual to replace the main jet inside the carburetor with the appropriate size. To purchase the shop manual for your engine, go to powerequipment.honda.com and click on Support, and then Shop Manuals.

The parts catalog for your engine (available online at peparts.honda.com or from your Honda dealer) lists two optional main jets for use at higher elevations. For elevations above 2,000 feet but below 10,000 feet (610 to 3,048 meters), use the first size smaller jet. For elevations above 10,000 feet, the second smaller jet should be used. An example of choosing the correct jet size is shown on page 2.

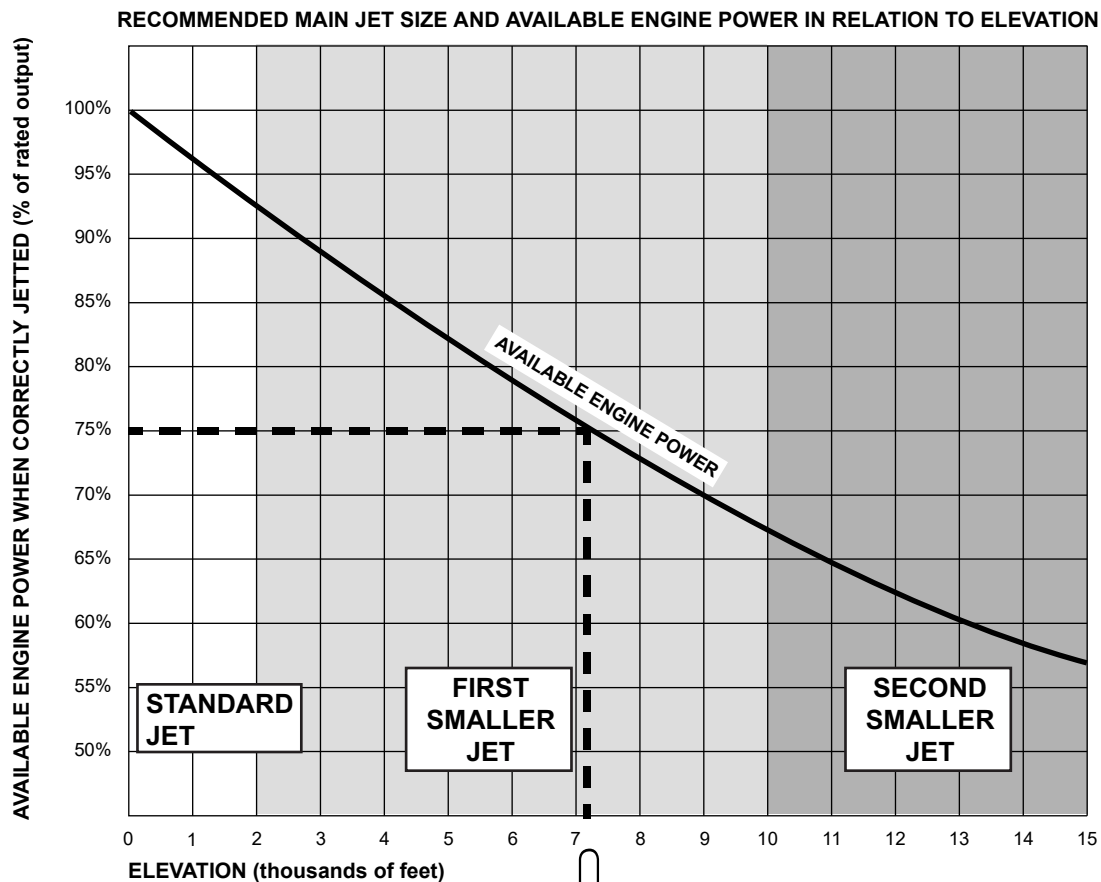


Example:

The Honda EU2000i generator uses a 0.62 mm main jet (#62) as the standard size. The two options listed are a 0.60 mm (#60) and 0.58 mm (#58) jet. The owner wants to operate this generator at 7,200 feet for an extended period.

On the elevation scale at the bottom of the chart, select 7,200 feet (between 7 and 8 on the scale). You can see that elevation falls in the light gray band for “first smaller jet.” Consequently, the correct jet size is 0.60 mm (#60).

The rest of the chart is just for approximating what percentage of sea-level horsepower will be produced by a correctly-jetted engine at higher elevations. At 7,200 feet, an engine will produce about 75% of its rated horsepower.



Tip:

Put a small label somewhere on the product indicating that the carburetor has been re-jetted. This will help remind you which jet is currently installed in the carburetor.

