

Weber/Franck Idle Mixture Adjustment Method

By placing the idle mixture screw at the mid-point between where the cylinder dies from the screw being closed, to opened so much the cylinder struggles to fire from such a fat (rich) mixture the mixture strength at the mid-point will close to ideal at 12.5AFR or 0.85 Lambda.

Fully close each idle mixture screw one at a time and count how many turns are required for that cylinder to start firing again, this the lean boundary. Then keep opening the screw until that cylinder runs lumpy due to too much fuel, this is the fat boundary. The rpms will also drop by about 50rpms. Now place the screw at the mid-point between those lean and fat boundaries. The mixture is now set to 12.5AFR or 0.85 Lambda. Do this to each cylinder in turn.

Every time a change is made to the idle jets this process should be repeated.