

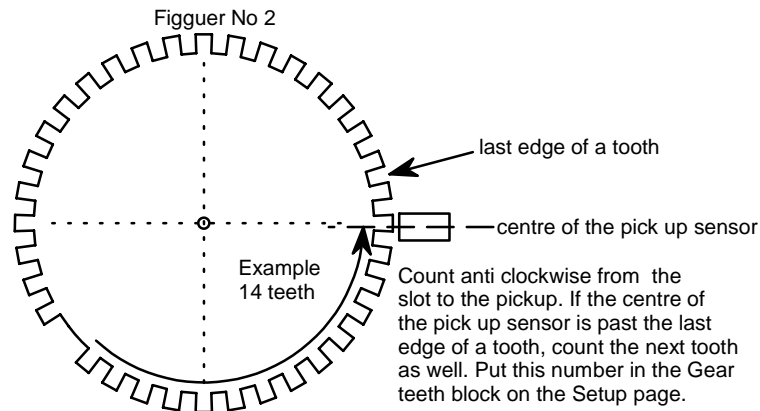
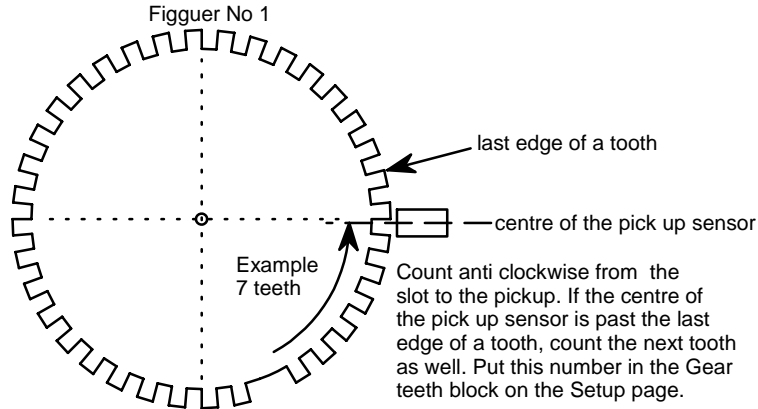
Gear Teeth Setup 8 Cylinder

Last Changed: 30/08/2010

Drawing Ver: 1.0

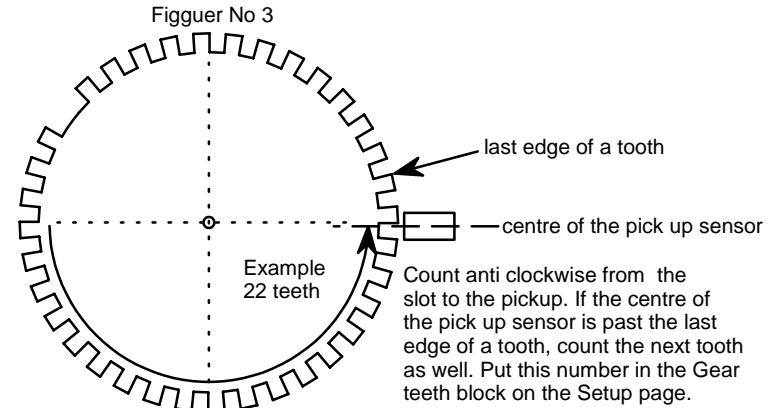
Note!

If you mount a custom gear on the engine, always try to go to the setting in Figure No 1. For a 36-1 gear put it on 5 teeth and a 60-2 gear put it on 8 teeth. Never end with sensor in the slot were the tooth is missing when that cylinder is on its TDC. The position is not critical because it can be fine tuned afterwards. Remember in all these drawings the gear turn clockwise.



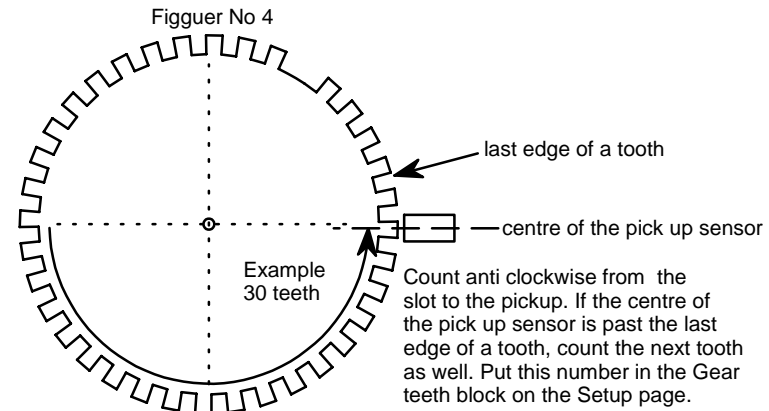
In this example the slot is past a quarter of the gear. This means that the ECU will fire on coil 4 first, then on coil 1, then on coil 2 and then on coil 3. This setting will be 14 teeth - 9 teeth = 5 teeth and then about 4 degrees for the BTDC setting. For a 60-2 gear the subtract value is 15 instead of 9.

Next you must change the wiring of the coils and injectors. Coil 1&6 trigger must go to driver no 2, Coil 8&5 trigger must go to driver no 3, Coil 4&7 trigger must go to driver no 4 and Coil 3&2 trigger must go to driver no 1. The same goes for the injectors. Injector 1&6 go to driver no 2, 8&5 go to driver no 3, 4&7 go to driver no 4 and 3&2 go to driver no 1.



In this example the slot is past a half of the gear. This means that the ECU will fire on coil 3 first, then on coil 4, then on coil 1 and then on coil 2. This setting will be 22 teeth - 18 teeth = 4 teeth and then about 6 degrees for the BTDC setting. For a 60-2 gear the subtract value is 30 instead of 18.

Next you must change the wiring of the coils and injectors. Coil 1&6 trigger must go to driver no 3, Coil 8&5 trigger must go to driver no 4, Coil 4&7 trigger must go to driver no 1 and Coil 3&2 trigger must go to driver no 2. The same goes for the injectors. Injector 1&6 go to driver no 3, 8&5 go to driver no 4, 4&7 go to driver no 1 and 3&2 go to driver no 2.



In this example the slot is past a half of the gear. This means that the ECU will fire on coil 3 first, then on coil 4, then on coil 1 and then on coil 2. This setting will be 30 teeth - 27 teeth = 3 teeth and then about 2 degrees for the BTDC setting. For a 60-2 gear the subtract value is 45 instead of 27.

Next you must change the wiring of the coils and injectors. Coil 1&6 trigger must go to driver no 4, Coil 8&5 trigger must go to driver no 1, Coil 4&7 trigger must go to driver no 2 and Coil 3&2 trigger must go to driver no 3. The same goes for the injectors. Injector 1&6 go to driver no 4, 8&5 go to driver no 1, 4&7 go to driver no 2 and 3&2 go to driver no 3.