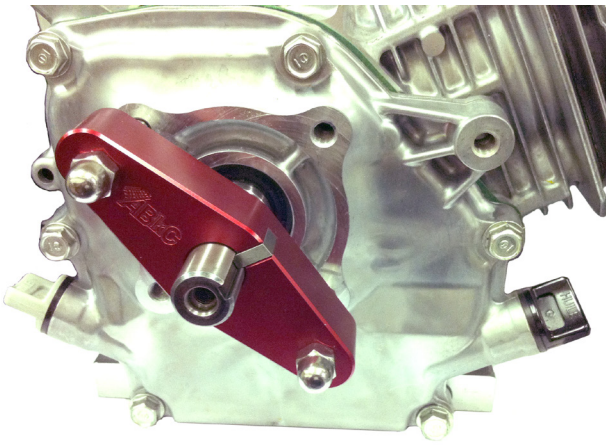
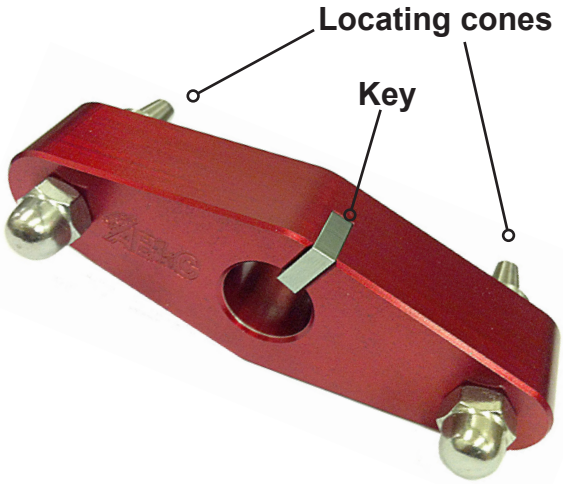
Using the new Honda GX160 tools

The Top Dead Centre location tool.
This tool is designed to quickly fix your crankshaft into a position of Top Dead Centre. It does not guarantee that your engine will be in the TDC position if the crankshaft has been tampered with! If you have any doubts or suspicions about the legitimacy of your crankshaft then you should set your TDC position using a conventional method.

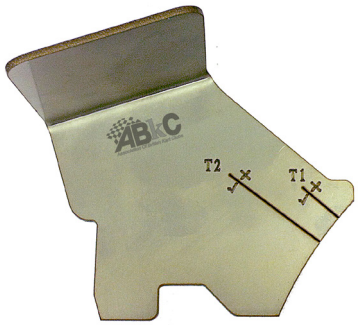


The location tool has a key which locates in the key-way on the output shaft (clutch) side, midway between the clutch key positions for inside or outside applications, therefore sitting in an area of key-way least used or damaged. There are two location cones that fit into two holes on the outer casing of the engine, at the 10o/c and 4o/c positions.

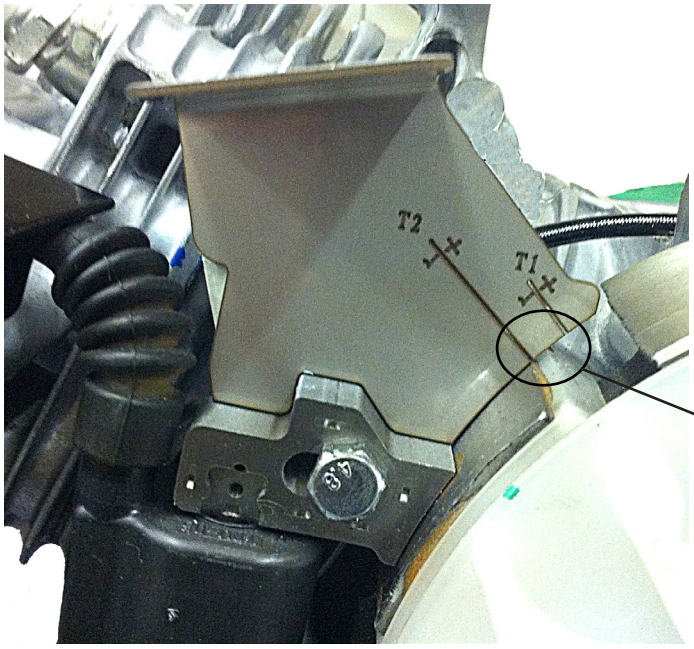


N.B. This tool is for location only. Any attempt at using it as a crankshaft lock when tightening or loosening the flywheel nut might render the tool inaccurate for further use!

The timing position template



The timing position template sits on the laminated section of the ignition coil and is referenced against the leading edge of the magnet. Before observing the position, the flywheel should be gently rotated clockwise against the location tool to take up any lash in the engine components. *The magnet edge can only be advanced as far as the edge of the slit in the template tool, the magnet edge must not intrude into the void of the slit.* You might find it useful to insert a feeler-type gauge in the slit to ensure that it is resting on the magnet base mount and not on the magnet itself. The magnet position is acceptable at any point on the scale to the left hand (tick) side of the slit. ***In the void of the slit or anywhere in the (cross) area is illegal***.
Be sure to choose the correct slit for your engine type.



Refer to the Honda service manual for the correct procedure for flywheel removal / re-fitting & tightening torque of the retaining nut.

From the 1st January 2014 it will be permitted to reduce the width of the standard key to advance the flywheel to an optimum position.