

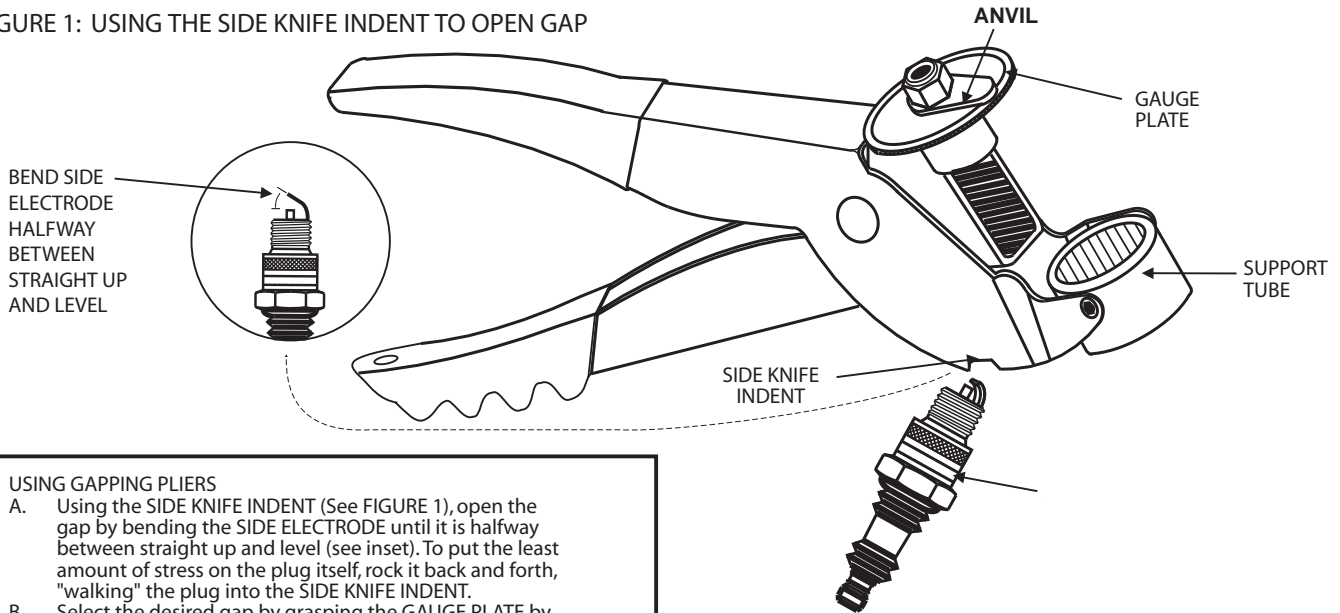


GAPPING PLIERS INSTRUCTIONS PART NUMBER 380700

I INTRODUCTION

You have purchased the finest tool available for accurately gapping and aligning sparkplug electrodes. A simple adjustment allows the GAPPING PLIERS to accommodate LONG REACH or SHORT REACH SPARKPLUGS without the alignment and binding problems of other gapping pliers. In addition, the SPARKPLUG is retained positively by the SUPPORT TUBE, preventing misalignment.

FIGURE 1: USING THE SIDE KNIFE INDENT TO OPEN GAP



II USING GAPPING PLIERS

- A. Using the SIDE KNIFE INDENT (See FIGURE 1), open the gap by bending the SIDE ELECTRODE until it is halfway between straight up and level (see inset). To put the least amount of stress on the plug itself, rock it back and forth, "walking" the plug into the SIDE KNIFE INDENT.
- B. Select the desired gap by grasping the GAUGE PLATE by the knurled edge and rotating it until the number representing the desired gap width is centered underneath the ANVIL. You can confirm this by making sure the adjacent numbers can be viewed equally on either side of the ANVIL.

FOR METRIC GAP SIZES, SEE ENGLISH TO METRIC/METRIC TO ENGLISH CONVERSION TABLE, PAGE 2

- C. After the gap is opened (step A), and the desired gap width setting is under the ANVIL (Step B), you are ready to insert the SPARKPLUG into the SUPPORT TUBE. If you are gapping a SHORT REACH SPARKPLUG, the SUPPORT TUBE should be in the HIGH POSITION (see FIGURE 2). If you are GAPPING a LONG REACH SPARKPLUG, the SUPPORT TUBE should be in the LOW POSITION (FIGURE 3).

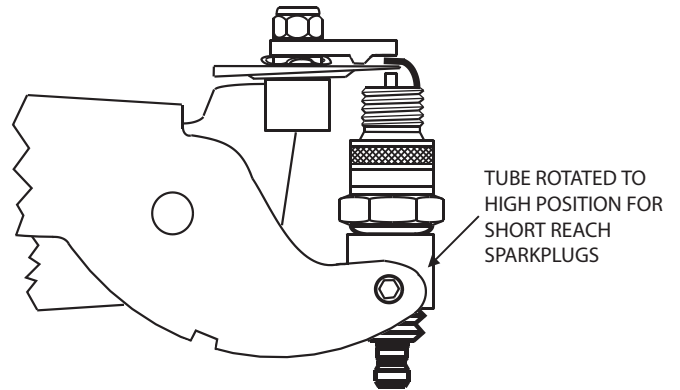
NOTE 1: The actual thickness of the GAUGE PLATE is slightly narrower than the corresponding numbers. This is because the SIDE ELECTRODE on all SPARKPLUGS will spring open slightly when released from the GAPPING PLIERS. You may have to set the GAUGE PLATE to slightly higher or lower settings, depending on plug brand and/or type.

- D. Once the SPARKPLUG is in position, squeeze the handles together with just enough pressure to form the SIDE ELECTRODE flat between the ANVIL and GAUGE PLATE.

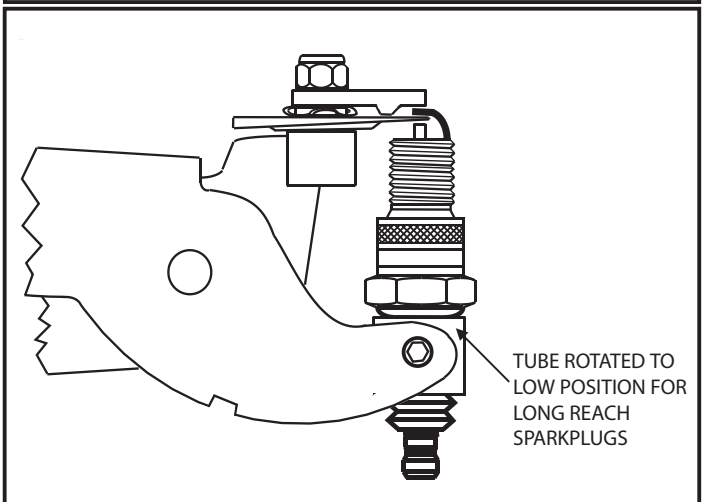
NOTE 2: Once the SIDE ELECTRODE is flat, excessive pressure will not change the setting, but will only subject the plug to unneeded stress. A little practice will give you the proper "feel" very quickly.

NOTE 3: After GAPPING the SPARKPLUG, measure the gap, using any SAE GAPPING GAUGE (see PAGE 2, FIGURE 4). If any difference is found in the actual SPARKPLUG GAP and the indicated gap on the GAUGE PLATE, adjust the GAUGE PLATE accordingly and regap the SPARKPLUG (If the gap measures smaller than the GAUGE PLATE, use a higher setting on the GAUGE PLATE. If the gap measures larger, use a lower setting). You should only have to do this for the first SPARKPLUG in the set. ACCEL's experience has shown that all plugs in a set usually react the same.

FIGURE 2: GAPPING SHORT REACH SPARKPLUGS



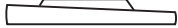
TUBE ROTATED TO HIGH POSITION FOR SHORT REACH SPARKPLUGS



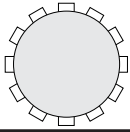
TUBE ROTATED TO LOW POSITION FOR LONG REACH SPARKPLUGS

GAPPING GAUGES (NOT SUPPLIED):

RAMP GAUGE



FEELER GAUGE



WIRE GAUGE



CORRECTLY VS INCORRECTLY ALIGNED ELECTRODES

SIDE ELECTRODE
EXACTLY FLAT
ACROSS CENTER
ELECTRODE



CORRECT

SIDE ELECTRODE
GAPPED AT AN
ANGLE OVER
CENTER
ELECTRODE



INCORRECT



CORRECT

SIDE ELECTRODE
DIRECTLY OVER
CENTER ELECTRODE



INCORRECT

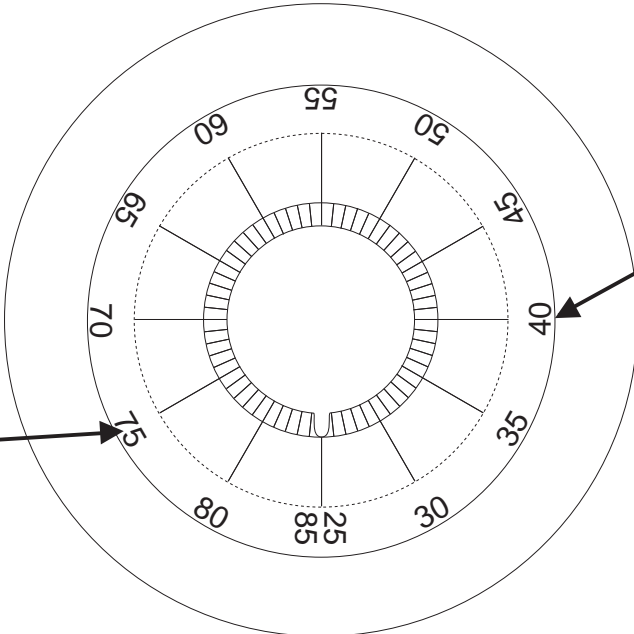
SIDE ELECTRODE
OFF CENTER OVER
CENTER ELECTRODE,
RESULTING IN
LOST POWER!

CORRECTLY ALIGNED ELECTRODES ARE
NECESSARY FOR PROPER IGNITION

ENGLISH TO METRIC/METRIC TO
ENGLISH CONVERSION TABLE

INCHES	MILLIMETERS
.025	.635
.030	.762
.035	.889
.040	1.016
.045	1.143
.050	1.270
.055	1.397
.060	1.524
.065	1.651
.070	1.778
EXAMPLE .075	1.905
.080	2.032
.085	2.159

MILLIMETERS	INCHES
.60	.024
.70	.028
.80	.032
.90	.036
1.0	.040
1.10	.044
1.20	.048
1.30	.052
1.40	.056
1.50	.060
1.60	.064
1.70	.068
1.80	.072
1.90	.076
2.00	.080
2.10	.084



EXAMPLE .075 → 1.905

1.0 ← .040 EXAMPLE



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