

2-Cycle Engine Timing Gage 6487, 6488, 6489, 6490, 6617, 6618

Timing Gage Instructions

Remove spark plugs and ground spark plug wires.

Screw adaptor into spark plug hole, finger tight. It may be more convenient to first clamp the indicator into the adaptor. Do not apply excessive force if the spark plug threads are tight; the indicator may be damaged as a result.

Remove short contact point from indicator plunger and install long contact, finger tight

Clamp indicator into adaptor with thumb screw, finger tight.

Locate top-dead-center of piston, loosen bezel clamp screw and set indicator to zero.

Back piston down to specified number of thousandths before top-dead-center. Consult engine manufacturer's specifications for this setting. Adjust points to open at this setting. Adjust points to open at this setting and securely lock points.

Check setting by rotating engine 360 degrees in direction of running rotation. If continuity test is used, light will dim when points open.

Special Instructions

On some engines the cooling fins may interfere with thumb screw when adaptor is installed in spark plug hole.

A set screw is provided if this is encountered, or any short 10-32 screw can work.

Some engines have spark plug holes at an angle and extreme care must be used. Do not push indicator plunger up with piston or damage may result which is not covered by warranty. On any engine where spark plug hole is at an angle it is necessary to compensate to get the correct setting.

If spark plug hole is at 45 degree angle, multiply specified setting by 1.414. For Example:

Specified Setting = .150"

Indicator Reading = .150" x 1.414 = .212"

If spark plug hole is at 30 degree angle (from the line of piston travel) multiply specified setting by 1.155.

Adaptors

Set No.	Range	Graduations	Reading	Indicator #	#4228 10mm	#4225 12mm	\$4220 14mm
6487	1"	.001"	0-10	4341			X
6488	1"	.001"	0-100	4341		X	X
6617	1"	.001"	0-100	4341	X	X	
6489	30mm	.01mm	0-2.0	4390		X	X
6490	30mm	.01mm	0-2.0	4390		X	X
6618	30mm	.01mm	0-2.0	4390	X	X	