

MOTORTECH | Spark Plug Gap Setting Tool



GAS ENGINE TECHNOLOGY
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■ General Information

MOTORTECH Spark Plug Gap Setting Tool

The gap between the center and ground electrodes is of fundamental importance for clean combustion as well as the optimal functioning of any spark plug. During the operation of a gas engine, however, the gap between the electrodes can increase, e.g. because of spark erosion, which can lead to increased voltage requirements or even misfiring. The electrode gap should be re-adjusted at regular maintenance intervals in order to maximize the service life of spark plugs, especially for high-priced industrial spark plugs. MOTORTECH's innovative spark plug gap setting tool provides every gas engine operator or employee of a service company with a smart tool to professionally adjust the electrode gap on-site in a material-conserving manner.



Features

- Simple-to-use tool for setting the electrode gap on different spark plug types
- The quick-release lock of the thread adaptor ensures that spark plugs can be changed quickly
- The tool is hand-operated and does not need to be additionally mounted on a workbench
- The spark plug gap setting tool can be custom-configured with optionally available accessory components
- The tool and all accessories can be stowed in the included carrying case
- Transportable, which makes it ideal for service companies



■ Functional Description

(Example J-Type Spark Plug)



1 The tool is first fitted with the base insert that fits the corresponding spark plug.



2 Thread adaptors are available in various sizes for the spark plugs that need to be set (M14, M18 or 7/8 in). The adaptors can be mounted or exchanged easily with the included screws and the hex key.



3 The integrated quick-release lock guarantees rapid changes and secure holding of the spark plugs while they are being set.



4 Light pressure on the lever is enough to set the electrode gap to the desired distance with the help of a feeler gauge.

Basic Kits & Accessories

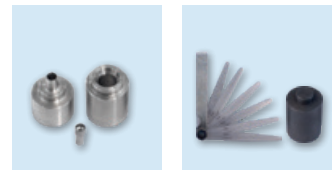
Basic Kits

The Basic Kits consist of the spark plug gap setting tool, screws and hex key for mounting an included thread adaptor of your choice for M14, M18 or 7/8 in spark plugs. The tool and all accessories can be stowed in the included carrying case.



Accessory Kits

Each Basic Kit is complemented by one or several special accessory kits. The individually tailored kits for a wide range of electrode configurations contain the needed inserts and feeler gauges and make it possible to professionally set the electrode gap.



Thread Adaptors

A Basic Kit can be equipped with additional thread adaptors. These are optionally available for M14, M18 or 7/8 in spark plugs.



■ Ordering Information



A Basic Kits

P/N	Description
07.98.120-14	Spark plug gap setting tool – basic kit incl. thread adaptor for spark plugs with M14x1.25 thread
07.98.120-18	Spark plug gap setting tool – basic kit incl. thread adaptor for spark plugs with M18x1.5 thread
07.98.120-78	Spark plug gap setting tool – basic kit incl. thread adaptor for spark plugs with 7/8-18 thread

B Accessory Kits (must be ordered separately with the Basic Kit)

P/N	Description
07.98.122-A	Accessory kit for J-type spark plugs incl. base insert, feeler gauge, instructions for use
07.98.122-B	Accessory kit for CHAMPION® N-type spark plugs incl. base insert, expanding pin, compressing pins, (0.30 mm/0.012", 0.38 mm/0.015" and 0.51/0.020" mm), instructions for use
07.98.122-C	Accessory kit for BERU® spark plugs 18GZ44 (Z283) and Super Blue Ignition (Z351) incl. base insert, expanding pin, compressing pin, (0.35 mm/0.014"), instructions for use
07.98.122-D	Accessory kit for BERU® spark plug 18GZ46 (Z377) incl. base insert, expanding pin, compressing pin, (0.35 mm/0.014"), instructions for use
07.98.122-E	Accessory kit for BERU® spark plug 18GZ47 incl. base insert, expanding pin, compressing pin, (0.35 mm/0.014"), instructions for use

C Thread Adaptors (optional – can be ordered separately with the Basic Kit)

P/N	Description
07.98.121-14	Thread adaptor for spark plugs with M14x1.25 thread
07.98.121-18	Thread adaptor for spark plugs with M18x1.5 thread
07.98.121-78	Thread adaptor for spark plugs with 7/8-18 thread



■ Tools & Optional Accessories

Optional Accessories for setting J-Type Spark Plugs

P/N	Figure	Description	Electrode gap
07.98.131	1	Feeler gauge, 8 blades	0.05 to 0.50 mm/0.002 to 0.020"
07.98.059	2	Feeler gauge shim roll, 12.7 mm x 5.0 m	0.20 mm/0.008"
07.98.034	2	Feeler gauge shim roll, 12.7 mm x 5.0 m	0.25 mm/0.010"
07.98.035	2	Feeler gauge shim roll, 12.7 mm x 5.0 m	0.30 mm/0.012"
07.98.036	2	Feeler gauge shim roll, 12.7 mm x 5.0 m	0.35 mm/0.014"
07.98.037	3	Feeler gauge clamp tool	



[1](#)



[2](#)



[3](#)

You will find additional tools and accessories for spark plugs in the current Product Guide



Spark Plug Cleaning Kit

Deposits and residue form on the spark plug during operation. The MOTORTECH spark plug cleaning kit allows these to be easily and carefully removed in the electrode area and the thread during regular maintenance intervals.



Extended Barrel Spark Plug Sockets

Installing spark plugs can be a pain. The extended barrel spark plug socket (available up to 36" length) has strong magnets incorporated that hold the spark plug when being installed in a deep spark plug well.



Spark Plug Gaskets

Spark plug gaskets just once provide an optimal seal between spark plug and seat. Spark plugs must be installed with a new gasket after every service in order to ensure the best possible seal in future operation.

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