Lumenition

MS4

MEGA SPARK 4

IGNITION COIL

Mega Spark Coil for Lumenition Optronic Ignition System. (Including ballast resistor),

This instruction is for Negative Earth vehicles only. Additional wiring instructions are required for Positive Earth vehicles

General Information

The Lumenition Mega Spark 4 coil is intended for use with the Lumenition Optronic ignition system. It has been selected to match the requirements of both the ignition system and the target vehicle applications. It is a direct physical replacement for the original coil in most cases.

Ballast Resistors

The Lumenition Mega Spark 4 has been designed for use with a ballast resistor of about 1.5 ohms and a resistor of this value MUST be used to avoid premature failure of the MS4 coil. It is recommended that the supplied ballast resistor is used on your vehicle However if the vehicle is already fitted with a 1.5 ohm ballast resistor that resistor may be used instead.

CAUTION !

MAKE SURE THE VEHICLE IGNITION IS SWITCHED OFF BEFORE ATTEMPTING TO FIT THIS UNIT

On many vehicles the wire from the ignition switch to the ignition coil primary terminal is NOT fused. If this wire is allowed to touch the vehicle bodywork or the engine when the ignition is switched on it can short out the battery, possibly causing a fire or permanent damage to the vehicle wiring.

Autocar Electrical Equipment Co., Ltd. assumes no liability for damage caused from this occurrence or due to any faults in the existing vehicle wiring

Installation Instructions.

Please note that these instructions relate to installation in a negative earth vehicle only.

Connection to a Vehicle with an existing Ballast Resistor.

Remove the existing coil.

Connect the Positive (+) terminal of the coil to the ignition feed from the existing ballast resistor. An extra cold start wire may also be fitted here, coming from the starter solenoid.

Connect the Negative (-) terminal to the Violet wire from the Optronic power module (may be a Brown wire on older units).

The red wire from the Optronic power module can be connected to the ballast resistor on the ignition switch side.

Reconnect the HT king lead to the top turret of the coil

Connection to Vehicle without an existing Ballast Resistor

Remove the existing coil.

Connect the Positive (+) terminal of the coil to one side of the supplied ballast resistor.

Connect the other side of the ballast resistor to the ignition switch feed wire that was removed from the original coil.

Connect the Negative (-) terminal to the Violet wire from the Optronic power module (may be a Brown wire on older units).

The red wire from the Optronic power module can be connected to the ballast resistor on the ignition switch side.

Reconnect the HT king lead to the top turret of the coil.

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WARRANTY

Autocar Electrical Equipment Co., Ltd. products are guaranteed against defects in material and workmanship *for* a period of 12 months from the data of purchase. During the 12 month period and provided that Autocar is given notice of any such defect within 7 days from the date of appearance, Autocar may in its sole discretion repair or replace the defective Goods manufactured at its own cost and expense PROVIDED HOWEVER that this warranty shall not apply:

1. If the customer has not fully paid for all such Goods under this or any prior contract.
2. If the customer has without Autocar's approval attempted to repair, dismantle or in any other way interfere with such Goods.
3. If Goods rendered defective as a result of the acts or omissions of the Customer including where they have been used or installed by the Customer in a manner contrary to the manufacturer's originator's manual or other instructions.

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