TM 9-4910-696-14&P

TECHNICAL MANUAL

OPERATORS, ORGANIZATIONAL, DIRECT SUPPORT AND GENERAL SUPPORT MAINTENANCE MANUAL INCLUDING REPAIR PARTS LIST

F O R

LIGHT, IGNITION TIMING MKB MANUFACTURING CORPORATION (NSN 4910-00-937-5724)

HEADQUARTERS, DEPARTMENT OF THE ARMY

APRIL 1981

Technical Manual
No. 9-4910-696-14&P

HEADQUARTERS
DEPARTMENT OF THE ARMY
Washington, DC, *9 April 1981*

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REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

You can help improve this manual. If you find any mistakes or if you know of a way to improve the procedures, please let us know. Mail your letter, DA Form 2028 (Recommended Changes to Publications and Blank Forms), or DA Form 2028-2, located in the back of this manual direct to: Commander, US Army Armament Materiel Readiness Command, ATTN: DRSAR-MAS, Rock Island, IL 61299. A reply will be furnished directly to you.

NOTE

This manual is published for the purpose of identifying an authorized commercial manual for the use of the personnel to whom this ignition timing light is issued.

Manufactured by: MKB Manufacturing Corporation
92 Brook Avenue
Deer Park, NY 11729

Procured under Contract No. DAAA09-78-C-4291

This technical manual is an authentication of the manufacturers' commercial literature and does not conform with the format and content specified in AR 310-3, Military Publications. This technical manual does, however, contain available information that is essential to the operation and maintenance of the equipment.

INSTRUCTIONS FOR REQUISITIONING PARTS

NOT IDENTIFIED BY NSN

When requisitioning parts not identified by National Stock Number, it is mandatory that the following information be furnished the supply officer.

1 - Manufacturer's Federal Supply Code Number - 26584

2 - Manufacturer’s Part Number exactly as listed herein.

3 - Nomenclature exactly as listed herein, including dimensions, if necessary.

4 - Manufacturer’s Model Number -

5 - Manufacturer's Serial Number (End Item)

6 - Any other information such as Type, Frame Number, and Electrical Characteristics, if applicable.

7 - If DD Form 1348 is used, fill in all blocks except 4, 5, 6, and Remarks field in accordance with AR 725-50.

Complete Form as Follows:

(a) In blocks 4, 5, 6, list manufacturer’s Federal Supply Code Number - 26584 followed by a colon and manufacturer’s Part Number for the repair part.

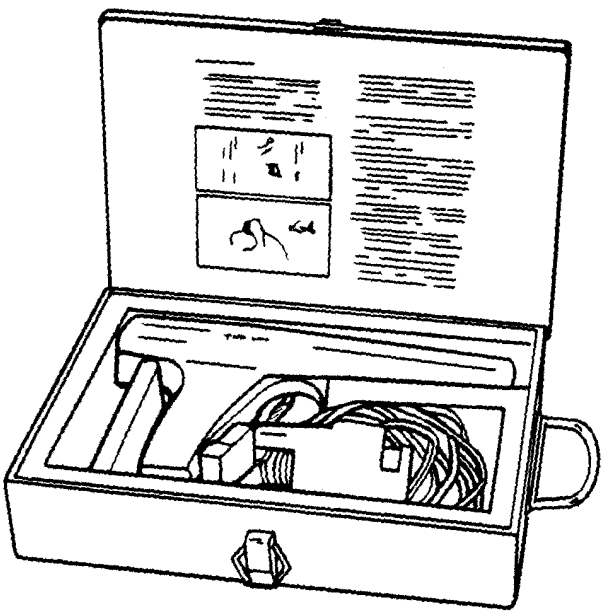
(b) Complete Remarks field as follows:

Noun: (nomenclature of repair part)
For: NSN: 4910-00-937-5724
Manufacturer: MKB Manufacturing Corporation

Model :
Serial: (of end item)

Any other pertinent information such as Frame Number, Type, Dimensions, etc.

DC POWER TIMING LIGHT



The DC power timing light, in modern pistol grip styling, is a compact, durable test instrument. The light is equipped with a special high-intensity xenon lamp which allows timing of engines even in bright surroundings. It is designed to operate between 11 volts and 16 volts and is equipped with special protective circuitry to prevent damage if subjected to higher voltages. The light is provided with a spring loaded trigger and long fuel and oil resistant hookup leads. The transistorized circuitry incorporates the latest electronics advances and assures a long, trouble free life.

Engine timing is the term applied to the relationship of piston travel and moment of spark in a gasoline engine. Timing requirments vary from engine to engine, and before attempting timing adjustments, the engine manufacturer's specifications must be obtained. It should be noted, however, that due to the many variables involved, such as temperature, humidity, elevation, fuel octane rating, and engine conditions published timing data must be considered as approximate and some tolerance is permissible.