

TM 9-4910-749-10

TECHNICAL MANUAL

OPERATOR'S MANUAL

FOR

**TEST SET, TACHOMETER DWELL
(NSN 4910-00-788-8549)**

McGRAW COMMERCIAL EQUIPMENT COMPANY, INC.

**HEADQUARTERS, DEPARTMENT OF THE ARMY
MARCH 1984**

SAFETY RULES FOR AUTOMOTIVE MAINTENANCE

SAFETY EQUIPMENT

FIRE EXTINGUISHER. Never work on your car without having a suitable fire extinguisher handy. A 5-lb, or larger CO₂ or dry-chemical unit specified for gasoline/chemical/electrical fires is recommended.

Fireproof Container. Rags and flammable liquids should be stored only in fireproof, closed metal containers. A gasoline soaked rag should be allowed to dry thoroughly outdoors before being discarded.

Safety Goggles. We recommend wearing safety goggles when working on your car to protect your eyes from battery acid, gasoline and dust and dirt flying off moving engine parts.

WARNINGS

Never look directly into the carburetor throat while the engine is cranking or running as sudden backfire can cause burns.

LOOSE CLOTHING AND LONG HAIR (MOVING PARTS)

Be very careful not to get your hands, hair or clothes near any moving parts such as fan blades, belts and pulleys or throttle and transmission linkages. Never wear neckties or loose clothing when working on your car.

JEWELRY Never wear wrist watches, rings or other jewelry when working on your car. You'll avoid the possibility of catching on moving parts or causing an electrical short circuit which could shock or burn you.

VENTILATION

Always work on your car in a well ventilated area. Never run the engine in a closed garage without venting the exhaust outside.

SETTING THE BRAKE

Make sure that your car is in *park* or *neutral* and that the *parking brake* is firmly set.

NOTE

Some vehicles have an automatic release on the parking brake when the engine is started. This must be disconnected when any testing is to be done in DRIVE.

HOT SURFACES

Avoid contact with hot surfaces such as exhaust manifolds and pipes, mufflers (catalysts), the radiator and hoses. Never remove the radiator cap while the engine is hot, as escaping coolant under pressure may seriously burn you.

SMOKING AND OPEN FLAMES

Never smoke while working on your car. Gasoline vapor is highly flammable, and the gas formed in a charging battery is explosive.

BATTERY

Do not lay tools or equipment on the battery. Accidentally grounding the "HOT" battery terminal can shock and burn you and can damage wiring, the battery and your tools and testers.

Be careful of contact with battery acid. It can burn holes in your clothing and burn your skin or eyes.

HIGH VOLTAGE

High voltage-30,000-50,000 volts--is present in the ignition coil, distributor cap, ignition wires and spark plugs. When handling ignition wires while the engine is running, use insulated pliers to avoid a shock. While not lethal, a shock may cause you to jerk involuntarily and hurt yourself.

Technical Manual

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H E A D Q U A R T E R S
DEPARTMENT OF THE ARMY
Washington, DC, 12 March 1984

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REPORTING OF ERRORS

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 Munitions and Chemical Command, ATTN: DRSMC-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 equipment is issued.

Manufactured By: McGraw Commercial Equipment Company, Inc.
7200 E. Fifteen Mile Road
Sterling Heights, Michigan 48077

Procured under Contract No. DAA09-82-C-0843

Federal Supply Code For Manufacturers (FSCM): 8R076

NOTE

Manufacturer classifications. This publication contains the Operation of McGraw Part Number 3001019, Tach Dwell. No provisions have been made to repair this model.

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.

*This manual supersedes TM 9-4910-749-10, 20 October 1983.