

Digital Self-Powered Timing Light Operator's Manual

Operating Specifications

Scale	Range	Resolution/Accuracy
Tachometer.....	400 to 9,990 rpm	10 rpm \pm 1 %
Power Req.....	Rechargeable	NiMH Battery
Operating Temperature.....	0° to 122° F	-18° to 50° C
Storage Temperature.....	-40° to 180° F	-40° to 80° C

Weights & Dimensions

Leads.....	5 feet	1.5 meter
Weight	1.7 pounds	770 gram
Size	12 inches tip to tip, 2.8 wide	30 x 7 cm



Introduction

The Ferret 87 is a self-powered digital timing light that measures RPM and is equipped with NiMH rechargeable batteries.

Technical Support

Questions or inquiries about service can be answered by contacting GxT, Inc., at: Toll Free (800) 627-5655. Fax: (231) 627-2727, or repair@gxtauto.com. When sending an item to the factory address it to: GxT, Inc., 520 MM Riggs Drive., Cheboygan, MI 49721-1061

Maintenance & Service

When cleaning the timing light, use a cloth dampened with waterless hand cleaner. DO NOT use solvents such as acetone and benzene which can be absorbed by and damage plastics. Promptly remove penetrating oils, gasoline, and battery acid. The Inductive Spark Pickup is a plug-in replaceable lead. It can be repaired or replaced if damaged. **Leave the Pickup latch Open when not in use.** The magnetic cores are made of ferrite ceramic and, when kept apart, they are less likely to break if the pickup is dropped.

Replacement Parts

X008-01	Inductive Spark Pickup
X006-81	Storage Case
E083-01	Manual
W085-01	110V Charger

Charging the Batteries

Simply plug the AC charger into a 110 volt AC source, then plug the AC charger into the Timing Light. The AC charger replaces the spark pickup. A red LED, located near the nose of the timing light will flash one time per second while the batteries are being charged. If the LED flashed rapidly there is a charging fault and you may need to contact technical support for assistance. If the LED is always on, the light is fully charged. You may leave the charger plugged into the timing light for an extended period of time.

Battery Pack Warranty

The battery pack is warranted for 90 days from the date of purchase. Should the battery fail to charge, or hold a charge and the unit has been in service for less than 90 days, simply return the light to GxT for repair or replacement.

FERRET BRAND LIMITED PRODUCT WARRANTY

GxT, Inc. of Cheboygan Michigan, warrants to the original purchaser that FERRET brand products are free from defects in materials and workmanship for a period of two years from date of purchase. Our sole obligation for a product within the above warranties will be to repair or replace, at our option, any defective parts and return the product to the sender within the U.S.A., shipping prepaid, if it is sent to our Repair Department shipping prepaid and accompanied by proof of purchase.

This Warranty does not apply to products which have been altered outside the factory; or repaired by anyone other than the factory or its authorized service centers; or which have been damaged from accidents, negligence, or abuse; or have been used differently than described in the printed instructions. Please note that wear and tear on leads and replacement of consumable items such as: NOx Sensors, Oxygen Sensors, and paper, is not covered by warranty.

GxT Inc.'s sole liability and buyer's exclusive remedy is limited to repair or replacement of the product as stated in the Limited Product Warranty. THERE ARE NO OTHER WARRANTIES EXPRESSED OR IMPLIED INCLUDING THOSE OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE AND GxT, INC. SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING FROM THE SALE OR USE OF THE PRODUCT.

Some states do not allow limitations on the length of implied warranties nor exclusion or limitations of incidental or consequential damages, so that the above limitations and/or exclusion may not apply to you.

This warranty gives you specific legal rights and you may also have other rights which may vary from state to state.

SAFETY PRECAUTIONS

—Read All Instructions Before Using The Analyzer—

Always wear eye protection when testing vehicles. Be extra careful near batteries and moving parts. Do not lay tools on a battery.

Battery gas is highly explosive. If a battery explodes flush the acid away from skin with generous amounts of water. Follow up with a neutralizing solution of baking soda and then more water.

Keep the space around a battery well ventilated. Do not make sparks or allow flames near batteries.

Before working on a vehicle set the brakes and block the wheels. Beware of automatic parking brake releases.

Keep your work area well ventilated and free of exhaust.

Keep spark producing devices at least 0.5m (18") above the floor to reduce the hazard of igniting gasoline vapor.

Do not let test leads wind up in a moving fan or pulley. Route leads away.

Remove finger rings and metal wrist bands. They can short terminals and become very hot from electric current.