



Manufactured by Mountain Performance, Inc and Forced Air Performance, Inc
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PROLOGGER TACH ADAPTOR

Read and Understand these Instructions thoroughly BEFORE beginning installation.

TECHNICAL BACKGROUND:

This product is often required on DIS (Distributorless Ignition System). Technically any tachometer that is NOT connected to tach output or the negative side of a distributor type ignition requires a Tach adaptor. Some common tricks to get around using a Tach adaptor include: 1) Connecting the tach input to a cam sensor, 2) connecting the Tach input to an injector switched wire (usually the ground side, typically all the injectors will share a common wire (color) and the other wire color will be unique; the unique wire is the switched wire, 3) a less expensive tach "filter" that is not microprocessor controlled connected to a switched ignition wire. NOTE: Connecting to the injector wire will give bad readings during acceleration if the injection system is an asynchronous system. This means that instead of lengthen its pulse width to act as an accelerator pump, it adds extra pluses. If you have an asynchronous system you will have to live with the bad tach reading during acceleration of select a different input source.

The ProLogger uses a sophisticated input circuit for the Tach input. It is difficult to burn-up (but definitely not impossible). We cover input voltages from 5 volts to several thousand volts. Here-in lies the problem with DIS systems, most are waist spark which means they produce a spark on the exhaust stroke as well as the compression stroke and due to inductive feedback present in every ignition system the amplitude of this feedback varies based on RPM and acceleration or deceleration events, so the ProLogger gets confused as to what is real and false signals.

This Tach adaptor has its very own microprocessor to decide what is real and what is false, so it can intelligently reject the ghost feedback and feed the Tach only the correct pulses.

INSTALLATION

- 1) Locate the common wire going to each coil. This wire is usually the positive wire and is usually the same color on each coil.
- 2) Now select 1 coil and cut the common wire leading to the coil. Alternately (this is the preferred method, but is much more difficult to accomplish due to the location of the cut point in a wiring harness), you can cut the common wire that feed all the coils. Please note that this wire can ONLY feed the coils. If wire after the cut is sourcing anything but the coils the tach will not work correctly
- 3) Connect the Solid Red Wire of the Tach adaptor to the vehicle wire on the harness side of the cut (**NOT** the cut side leading to the coil)
- 4) Connect the Striped Red Wire of the Tach adaptor to the vehicle wire on the coil side of the cut.
- 5) Connect the black wire to ground.
- 6) Connect the Grey wire of the Tach adaptor to the Purple ProLogger Wire.

OPERATION

- 7) Nothing to due. It is 100% smart and Hands Off.



TERMS OF SALES AND USE

Warning: This product may alter the handling of the machine. Use at own your risk.

Note: Use and/or installation of this product may void your manufacture's warranty.

Warranties

- 1) This product is sold without any warranty of any kind, either expressed or implied, including warranty of merchantability or of fitness for any particular purpose. It is the purchaser's responsibility to determine that the application of the Product is within the limits of their purpose.
- 2) The installation and use of this Product requires technical and mechanical skill. Because of the custom nature, racing type abuse, and the limitless application variables that the Product is subject to, The Manufacture shall not be responsible for any damage of any nature including, but not limited to, consequential and incidental damages as a result of the use of this Product or any parts that the Product may affect. Failure due to improper assembly, modification of parts or instructions, weather conditions, neglect, abuse, accident, and/or, normal wear, including failure reasonable and necessary maintenance or applications not included within the scope of the Manufacturer's research and development.
- 3) The purchaser is reminded that snowmobiling & atv operation and / or racing are dangerous sports and parts are subject to failure when exposed to the high stresses involved. The Manufacture will not be held liable for any injuries incurred as a result of the use of the Product or any parts the Product may affect. The purchaser and user assumes any and all risk.
- 4) The Manufacturer reserves the right to change Product specifications without notice. Updates and continuing research and development to the Product do not constitute warranty.
- 5) This warranty disclaimer shall be construed in accordance with the laws of the state of Utah.

Damaged Merchandise

Before we ship, products are inspected for damage and repacked to make sure they arrive at your door safely. Claims for damage during shipment must be made by you to the delivering carrier within 48 hours of receipt/delivery. Also notify us of the problem and we will make arrangements to replace the damaged item.

Legal Disclaimer

Seller hereby expressly disclaims all warranties either expressed or implied warranty of merchantability or fitness for a particular purpose. This disclaimer by the seller in no way affects the terms of the manufacturer's warranty, if any. Title to goods herein being purchased is retained by the seller until goods are paid for by the purchaser and at that time title passes to the purchaser. If goods herein being purchased are being purchased for purposes of export, purchaser must obtain from the federal government certain export documentation before shipping to a foreign country. In addition, manufacturers' warranties for exported goods may vary or even be null and void. If you have questions, please inquire. Any and all liability is only for the products purchased.

Scope of this Agreement:

This agreement covers all materials in which the customer may hereafter acquire at any time from the supplier. This contract constitutes the entire agreement with the supplier. No waivers or modifications shall be valid unless the same are in writing and executed by the parties thereto. This contract shall apply and accrue to the benefit of -- and be binding upon -- the heirs, executors, administrators, successors, and assigns of the respective parties.

Litigation:

In the event of litigation arising out of either this agreement or any consumer-purchase at Mountain Performance, Inc., Mountain Performance shall be entitled to reasonable costs and expenses incurred pursuant to the aforementioned litigation including, but not limited to, attorney's fees. All litigation, disputes, conflict of laws, and etcetera, arising out of any purchase transaction with Mountain Performance, Inc. shall be governed by the laws of the State of Utah and shall be litigated within the forum of the State of Utah.

Receipt and Acceptance of Agreement:

Acceptance of goods from Mountain Performance, Inc. manifests the customer's acknowledgment of receipt and acceptance of this agreement and its execution at time of purchase.