



UPHILL POWER MODULE

Supplemental Accessory Instructions

NOTE TO INSTALLER: Before starting installation, read this entire sheet. You will achieve better results in less time!

TABLE OF CONTENTS

	PAGE
I INTRODUCTION	1
II BASIC FEATURES	1
A MOUNTING UPHILL POWER MODULE	1
B CONNECTIONS TO PRO STREET	2

I INTRODUCTION

The Uphill Power Module, or UPM for short, connects to the Pro Street, Off-Road, or RV Energy Pak and modifies the Energy Pak's digitally controlled spark output upon sensing a vehicle's tilt or angle. This increased spark output results in significantly better throttle response and eliminates plug fouling caused by extreme angles.

Many off-roaders and RV owners know that improved throttle response at low speeds and engine RPM is actually more important than absolute full throttle acceleration. In very steep, loose, or rocky terrain, the ability to precisely control engine speed and crisp throttle response is as important as steering in setting up the vehicle. During extreme incline conditions, many carbureted engines start to "flood" or engine oil "sloshes" in the heads (even on the newest vehicles) and is drawn into the combustion chambers causing the sparkplugs to foul and greatly diminishes throttle response. The UPM eliminates this by switching the spark output of the Pro Street, Off-Road, or RV Energy Pak to significantly increase its normal output energy when an incline, extreme angle, or vehicle tilt, is detected!

II BASIC FEATURES

With the UPM, the Pro Street, Off-Road, or RV Energy Pak is now able to sense the vehicle's angle as well as the engine acceleration and/or load and ensures the hottest spark and best throttle response when off-road or recreational vehicle's need it most! It is water, heat, and vibration proof and is fully encapsulated. Washboard terrain or severe vibration won't cause the UPM to "false" or switch off and on rapidly or wear out due to an exclusive electronic dampening program which prevents this "false" switching.

A. MOUNTING THE UPHILL POWER MODULE

1. Make sure your vehicle is level before mounting the UPM! Select a location to mount the UPM where it is at least 3" away from the vehicle's exhaust or any moving components. Align the arrow to the front of the vehicle with the two activation wires facing the rear of the vehicle. (Refer to FIG. 1, pg 2).
2. UPM alignment and pre-load:
 - a. RV and Street driven applications: Mount the UPM horizontally (level) (Refer to FIG. 2-3, pg 2).
 - b. Off-road and high degree incline use: tilt the front of the UPM down approximately 1/8" or more depending on application (Refer to FIG. 4, pg 2).
3. Mount the UPM using the included self tapping tech screws and lock washers. Be sure to insert the screw into the lock washer before securing the UPM.

Form # 810-00-200
Printed in U.S.A.
Made in U.S.A.



FIGURE 1: MOUNTING EXAMPLE 1

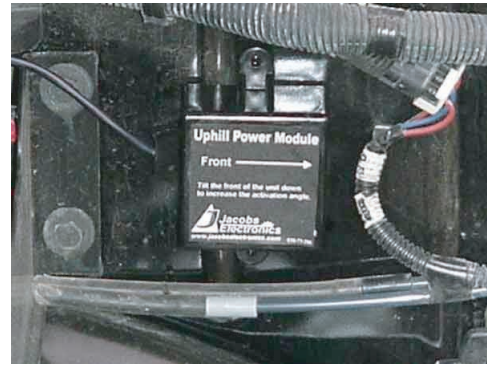


FIGURE 2: MOUNTING EXAMPLE 2

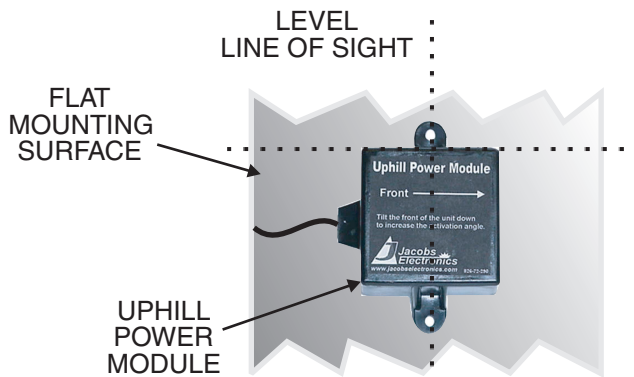


FIGURE 3: LEVEL MOUNTING

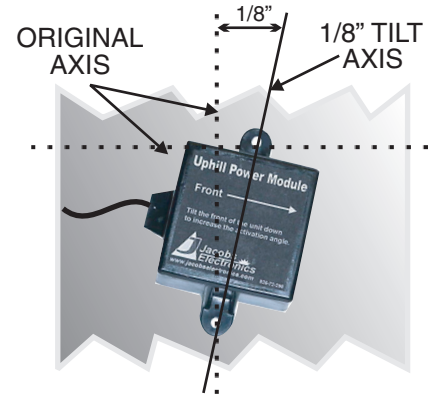


FIGURE 4: PRE-LOAD MOUNTING

B. CONNECTIONS TO PRO STREET, OFF-ROAD, OR RV ENERGY PAK

1. Connect the red and black wires from the UPM to the red and black full-throttle wires from the PRO STREET, OFF-ROAD, or RV ENERGY PAK.

INSTALLATION IS NOW COMPLETE!

IF YOU NEED HELP
 WITH WARRANTY INFORMATION, TECHNICAL INFORMATION OR INSTALLATION ASSISTANCE:
 CALL 216.688.8300 x 5 M-F 8:00 AM - 5:00 PM EST



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