



2650-1207

INSTALLATION INSTRUCTIONS

Digital Pro-Shift System

Level 1 Box



INTRODUCTION

Thank you for your purchase of the Digital Pro Shift System (DPSS) from Auto Meter Products, Inc. The new technology in this product makes it possible to do away with traditional plug-in chips while providing a combination of features only previously available on our larger Shift-Lite and Playback tachometers. The following basic features are included on this product:

- Single precise user-programmable set point
- Digital RPM display
- RPM display blanking
- Works with any Auto Meter shift lite

Please read and follow the instructions below regarding the installation and operation of your DPSS to receive maximum benefit and accuracy from this product. **Failure to follow the information below will void the product warranty and may result in damage to your vehicle, this product, and/or personal injury.**

INSTALLATION

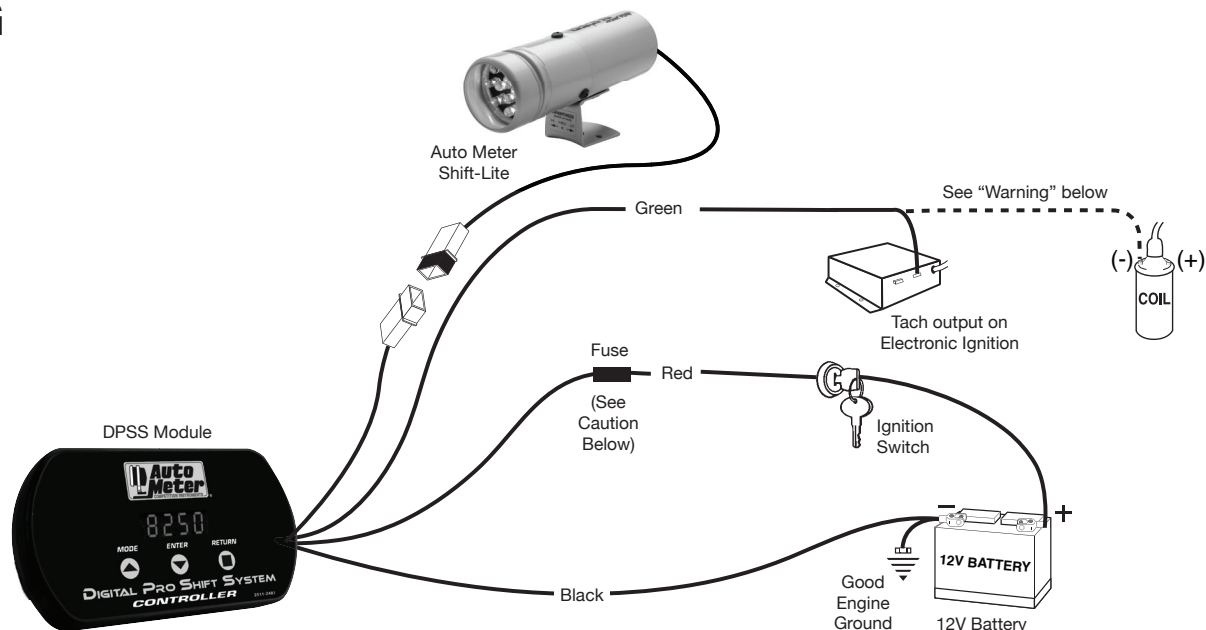
1. Disconnect the negative (-) battery cable.
2. The box can be mounted to any panel with the supplied mounting studs and thumbnuts. Double-stick tape (not supplied) can also be used.
3. Wire box as indicated. See schematic on following page for more info:

- Red Wire: Connect to a fused and switched 12V positive source that is turned on and off with the ignition switch.
 - Black Wire: Connect to a good engine, chassis, or battery ground.
 - Green Wire: Connect to the negative terminal of a standard ignition coil, or to the "Tach Output" terminal on the Electronic Ignition Module. (See diagram)
 - Twin Lead: Connect to any Auto Meter Shift-Lite, Quick-Lite or Super-Lite.
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QUICK SET OPTIONS:

Remove RPM Display – Sometimes fewer distractions are better for a driver. If you want to be able to focus on just the shift light when you're making a performance run and don't want to be distracted by the digital RPM display, you can disable the display function. To turn on/off the display function, press and hold the **ENTER (▼)** button for 2 seconds. The display will indicate "on" or "off" to indicate which mode you will be changing too. RPM signal must be present (engine running) for quick set options to function.

WIRING



CAUTION!!!

As a safety precaution the RED wire of this product should be fused before connecting it to a 12 volt power source. We recommend using a 4 Amp, 3AG fast-acting type cartridge fuse (Littlefuse® #312 004 or an equivalent) inline with the RED wire of our product.

WARNING

Warranty will be void if connected to coil when using an aftermarket ignition box such as, but not limited to products from the following manufacturers: MSD, Crane, Jacobs, Mallory, Holley, Etc.. Prior to installation of your tachometer, check with the ignition box manufacturer for recommended tachometer signal location.

SETUP and OPERATION MODES

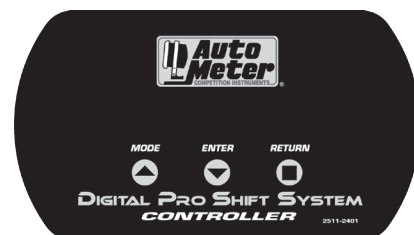
A.) MENU MODE – To Select Menu Mode, press **MODE** (▲). To exit menu mode and return to Real Time display, press **RETURN** (■).

B.) SHIFT POINT SET – Once “SptS” is shown on your display, press **ENTER** (▼) to confirm that you would like to set your shiftpoint. The display will now show you the current shift point setting. Use the **MODE** (▲) and **ENTER** (▼) buttons to raise and lower this number. A single press results in a 10 RPM increment change. Push and hold each button to scroll more quickly through the RPM scale. Once you have dialed in the desired set point, press **RETURN** (■) to confirm your choice.

NOTE: It is recommended that you set the shift point to 3000 RPM (or a similarly mid to low point in your engine’s rev range) to confirm proper installation. With the DPSS on and in Tach mode, bring the revs of the vehicle to 3000 RPM and verify that the light activates as specified. Once this test is completed dial up your shift point to your desired, or engine builder specified RPM setting.

C.) PULSE PER REVOLUTION SET (CYL. CALIBRATION) – Use this feature to calibrate your Digital Pro Shift System to your engine and ignition type. To enter Pulse Per Revolution Set, press the **MODE** (▲) button until “PPr” is displayed, then press **RETURN** (■) to confirm your selection. You may now use the “▲” and “▼” buttons to cycle up and down through the pulse settings available on this product. Pulse per revolution settings refer to the number of pulses or “plug firings” provided by the ignition to the device per engine crank revolution. For example a single coil ignition on a 4-cylinder engine will typically fire two cylinders per crank revolution. If your ignition matched this type, you would need to set your PPR value to “2” (* See right). To the right is a list of common ignition pulse settings. If you need further assistance calibrating this unit for your application please visit our **Tech Tips** and **FAQ** section on our website (http://www.autometer.com/tech_faq.aspx) or contact Auto Meter tech support personnel via the information included with the warranty information shown later on this sheet.

D.) PEAK Recall – The DPSS features a “peak” recall or memory to recall the highest RPM reached. Scroll through the Menu Mode [**MODE** (▲)] until the display reads “PEAC” then press **ENTER**. This will display the highest RPM achieved. To clear the peak press **MODE** (▲). Peak is retained until it is cleared from the unit.



*PPR # of cyl. (typ.)

| | |
|-----|----|
| .5 | 1 |
| 1 | 2 |
| 1.5 | 3 |
| 2 | 4 |
| 3 | 6 |
| 4 | 8 |
| 5 | 10 |
| 6 | 12 |