

Smart Points

12-2 VN

2 Cylinder, 1 Plug/Cylinder
(12 Volt Negative Ground)
Wasted Spark

The Smart Points low current input reduces wear and extends the life of ignition points eliminating pitting or arcing at the points.

Automatic coil shutoff prevents damage to coil, points or electronic trigger units when the ignition key or switch is left on accidentally.

Exceptional low voltage operation of the Smart Points and coil means improved starting.

Static timing indicator for easier more accurate installation and points setup.

OWNERS MANUAL

All information contained in this owner manual is the property of P. A. Ignition Co., Inc. and cannot be duplicated in whole or in part by any means or disseminated or distributed without the prior written consent of P. A. Ignitions Co., Inc. The information in this manual has been carefully compiled and checked for accuracy and is believed to be correct. However, P. A. Ignition Co., accepts no responsibility for inaccuracies which may occur. All specifications in this manual are subject to change without notice.

The following customer actions automatically voids the warranty.

1) Use of any other spark plug wires other than resistor type wires with at least 800 ohms of resistance. 2) Use of non-resistor spark plugs. 3) Drilling or cutting of any kind into the module. 4) Incorrect wiring of the module. 5) Use of module on systems with defective charging systems. 6) Use of defective coils. 7) Directly shorting the coil output wires to +12 VDC. 8) Physical damage to the ignition. 9) Any other items covered in the warranty & instruction manual.

LIMITED WARRANTY

P. A. Ignition Co., Inc. warrants to the original retail purchaser of a Smart Points ignition that it will, free of charge, repair or replace at its own option, the product if returned to P. A. Ignition Co., Inc. within 6 months from date of purchase and if found by P. A. Ignition Co., Inc. to be defective in material or workmanship. This warranty is not transferable by the purchaser and shall be voided: if alterations not authorized by P. A. Ignition Co., Inc. are made in the equipment or if the serial number or date of manufacture has been altered, defaced or removed. Nor does this warranty apply: if the equipment has been subjected to accident, misuse, improper hookup, damaged by flood, fire, or act of God, or has been used on circuits or voltages other than those indicated in its instruction manual. If the equipment is found to be defective in materials or workmanship the equipment will be returned and P. A. Ignition Co., Inc. will pay the return shipping (this does not include next day shipping, second day shipping, shipments outside of the continental U. S. A. or shipments outside of the U.S.A.). All warranty work outside of the U.S.A. must include prepayment of return shipping. Customs, duties or tariffs are not covered by this warranty. If the equipment is found to be defective but is due to customer misuse (as described in warranty) P. A. Ignition Co., Inc. will notify the customer and if the customer wants the defective equipment returned P. A. Ignition Co., Inc. will return the equipment C.O.D. freight. If the equipment is found to be in operational order when returned to the factory P. A. Ignition Co., Inc. will return the module with a \$35.00 service charge plus freight and C.O.D. Charges.

Any module returned under the warranty must include note of explanation of failure and be accompanied by a dated bill of sale.

P. A. Ignition Co., Inc. warranty obligations are limited to those set forth herein and no other obligations, expressed or implied, are assumed by P. A. Ignitions Co., Inc.

Some states do not allow the exclusions or limitations of incidental or consequential damages, or allow limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

WARNING: Do not touch output wire (White) To +12.
DO NOT use Solid or Spiral wound suppression spark plug wires of less than 800° per foot. Failure to observe these precautions will damage Ignition & Void the Warranty.

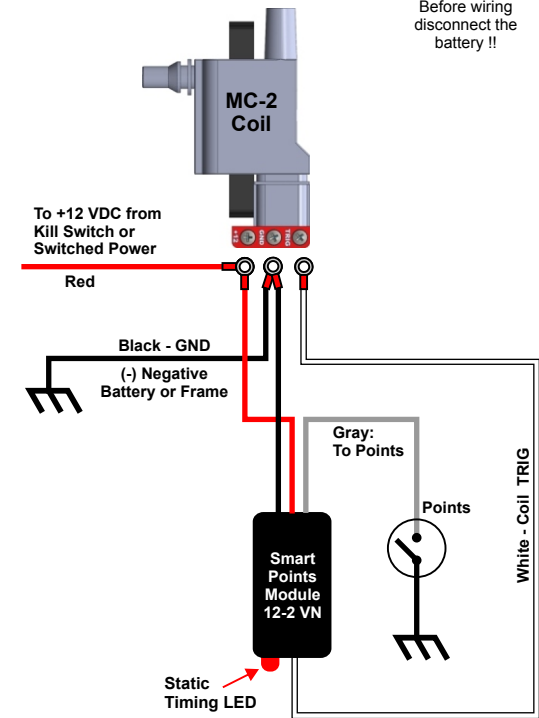
1. Disconnect the battery Positive (+) wire.
2. Turn the ignition/kill switch OFF. Remove and replace the existing ignition coil with a Power Arc Coil MC-1/2 Coil.
3. Attach the black smart points module wire to the - (NEG) terminal of the coil and a wire from coil - (NEG) terminal to the negative battery (-) or frame.
4. Attach the red power wire of the smart points module to the ignition/kill switched power.
5. Remove the condenser from the distributor or points housing and attach the gray wire to the points. Condenser may be left in place if you disconnect the wire and isolate. If you have 2 sets of points hook them together and attach to the gray wire and isolate the condenser wires.
6. DO NOT attach the white wire to the TRIG of the MC-1/2 coil.
7. Connect the battery Positive (+) wire.
8. Reduce dwell (widen gap) by 25% and set your points timing as per your applications instructions. The coil will not fire as long as gray wire is not hooked to the TRIG terminal of the coil.
9. Power on ignition/kill switch and using the Red static timing LED
10. Power the ignition/kill switch OFF
11. Hook the white wire to the coil TRIG terminal.
12. Install spark plug wires as per appropriate coil used and install on spark plugs. Wires may go to either spark plug.
13. Power the ignition/kill switch ON.
14. Start the Engine.



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PATENT #4,951,629 OTHER PATENTS PENDING

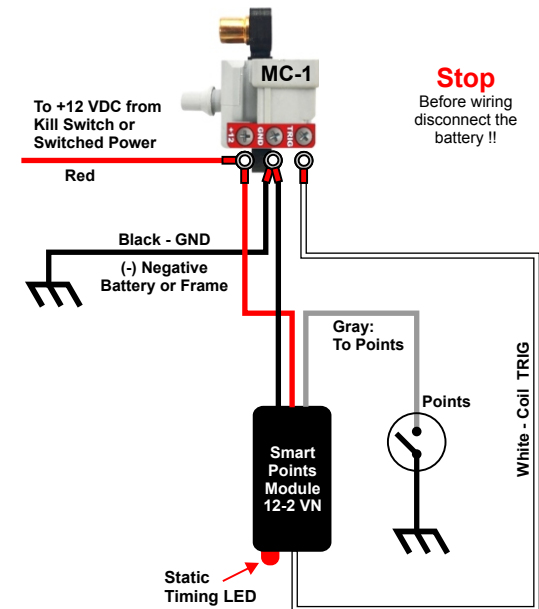
2 Cylinder, 1 Plug/Cylinder (12 Volt Negative Ground) Wasted Spark

Stop
Before wiring
disconnect the
battery !!



(12 Volt Negative Ground) Distributor or Single cylinder

Stop
Before wiring
disconnect the
battery !!



Smart Points 12 VN (12 Volt Negative Ground) Distributor or Single cylinder

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WARNING: Do not touch output wire (White) To +12. DO NOT use Solid or Spiral wound suppression spark plug wires of less than 800^Ω per foot. Failure to observe these precautions will damage Ignition & Void the Warranty.

1. Disconnect the battery Positive (+) wire.
2. Turn the ignition/kill switch OFF. Remove and replace the existing ignition coil with a Power Arc Coil MC-1 Coil.
3. Attach the black smart points module wire to the - (NEG) terminal of the coil and a wire from coil - (NEG) terminal to the negative battery (-) or frame.
4. Attach the red power wire of the smart points module to the ignition/kill switched power.
5. Remove the condenser from the distributor or points housing and attach the gray wire to the points. Condenser may be left in place if you disconnect the wire and isolate. **If you have 2 sets of points hook them together and attach to the gray wire and isolate the condenser wires.**
6. **DO NOT** attach the white wire to the TRIG of the MC-1 coil.
7. Connect the battery Positive (+) wire.
8. Reduce dwell (widen gap) by 25% and set your points timing as per your applications instructions. The coil will not fire as long as gray wire is not hooked to the TRIG terminal of the coil.
9. Power on ignition/kill switch and using the Red static timing LED (lights when points are closed)
10. Power the ignition/kill switch OFF
11. Hook the white wire to the coil TRIG terminal.
12. Install spark plug wire on spark plugs. If used on distributor ignition DCR Wire must be inserted between the distributor and the Smart Points coil.
13. Power the ignition/kill switch ON.
14. Start the Engine.



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PATENT #4,951,629 OTHER PATENTS PENDING

(12 Volt Negative Ground) Distributor or Single cylinder

