

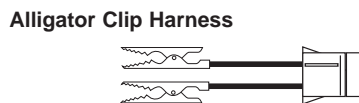
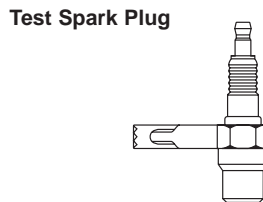
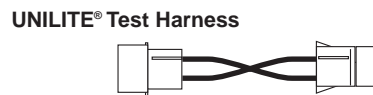
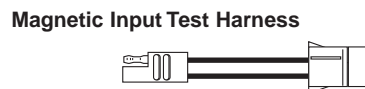
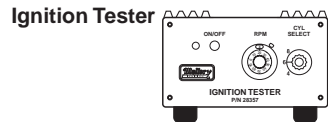


OPERATING INSTRUCTIONS

PORTABLE IGNITION TESTER PART NO. 28357

By functioning as a triggering device, Mallory's Portable Ignition Tester allows you to check the operation of a car's ignition system without starting the engine. You can also check devices related to the ignition system, such as tachs and shift lights. Adapter harnesses are included to allow easy connection to most popular aftermarket ignition systems.

PARTS LIST:



OPERATING INSTRUCTIONS

1. Install the 9-volt battery (included) in the back of the tester. Installing the battery backwards will not damage the tester. It simply will not work. Make sure the red light on the front/left side of the tester is off. If it's on, push the ON/OFF button once to turn it off.
2. Remove the high tension coil wire from the center of the distributor cap. Plug the test plug into the coil wire. Connect the test plug to engine ground, such as a valve cover bolt.
NOTE: This step is important! If you do not install the test plug, your ignition system could be damaged!
3. Refer to the hookup diagrams in the following pages. Find the hookup diagram that matches your ignition system and connect the tester accordingly.
4. Set the RPM dial on the tester to 1000. Set the cylinder select knob to match your engine. Rotary engines use the 4 cylinder setting.
5. Turn on the car's ignition switch, then push the ON/OFF button on the tester once to turn it on. The test plug should begin sparking. Use the RPM knob to vary the operating RPM of the system.
6. When done testing, push the ON/OFF button once to turn the tester off, then turn off the car's ignition switch. Disconnect the tester and test spark plug, reconnect the coil high tension lead to the distributor cap, and reconnect any car harnesses disconnected in Step 3. Test start the car.

TECHNICAL SUPPORT

If you have any problems with Mallory's Portable Ignition Tester, contact Mallory's Technical Service Department at:
550 Mallory Way
Carson City, NV 89701
(775) 882-6600 Monday-Friday 8:00am to 5:00pm PST

EXAMPLES OF RPM AND CYL SELECT SWITCH SETTINGS

FIGURE 1

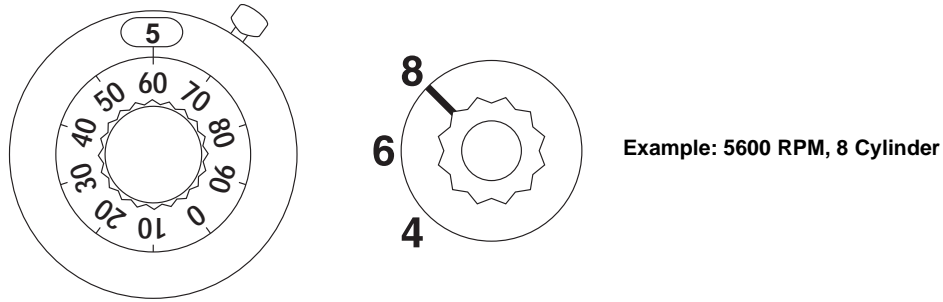
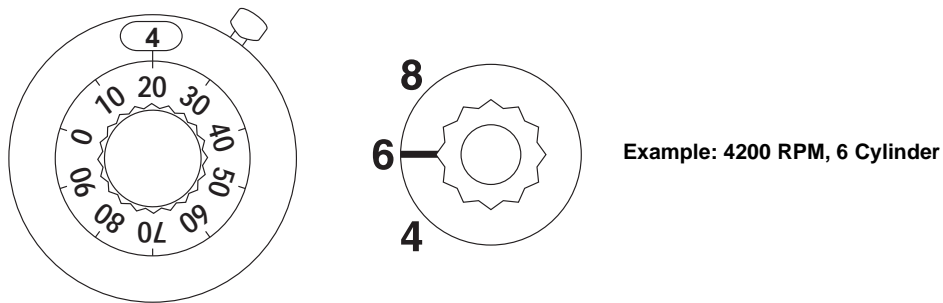


FIGURE 2



IMPORTANT INFORMATION

When checking a coil separate from the ignition, or an ignition without an amplifier box, the spark will probably "fade out" about 3000-4000 RPM (8 cylinder setting). This is normal. The test plug is a very heavy load. Amplifier equipped ignitions will normally operate to higher RPM.

It's a good idea to use the tester once when the ignition system is known to be operating properly, to establish a baseline for future tests. In future tests, if the spark looks or sounds significantly different from the baseline, something is wrong with the ignition.

The front dial on the tester is very accurate, which makes it very nice for checking RPM limiters, tachometers, and RPM activated switches. To check a limiter or RPM switch, just start testing at a low RPM and increase it with the dial until the spark stops, to check limiters, or until the RPM switch activates. Then read the RPM on the dial.

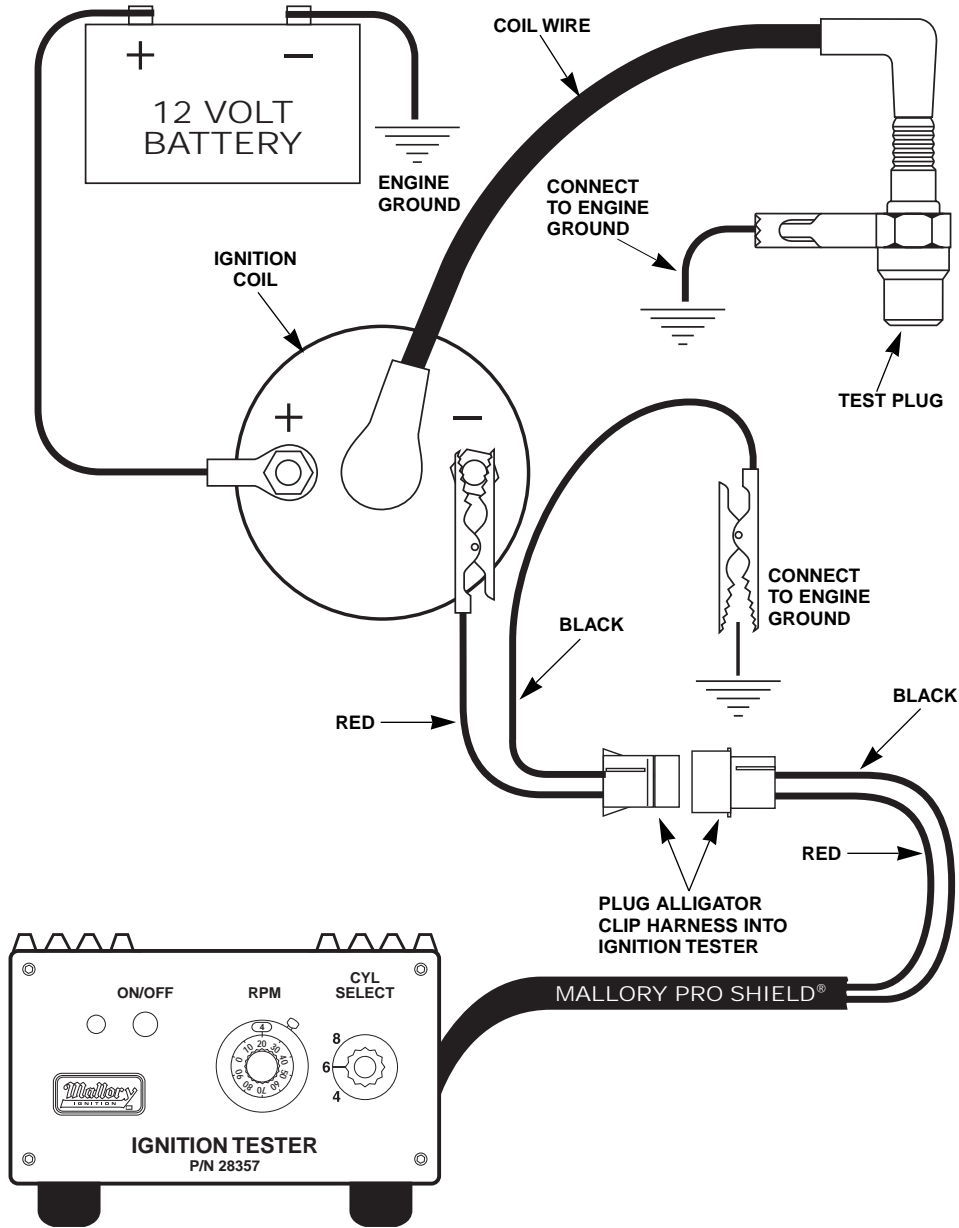
NOTE: If there is a discrepancy between your tachometer and the RPM dial on the ignition tester, the tach reading is inaccurate. For example, if the dial reads 7000 and the tach reads 6800 when the limiter stops the spark, the limiter will rev limit your engine at 7000 RPM, even though the tach reads 6800. It is not uncommon for tachometers to be off by 200-500 RPM. RPM switches and on-board computer readouts are usually closer, but it's still a good idea to check them.

The RPM dial can be locked at any value. Simply push the locking lever at the top right of the dial downward toward the cylinder select dial.

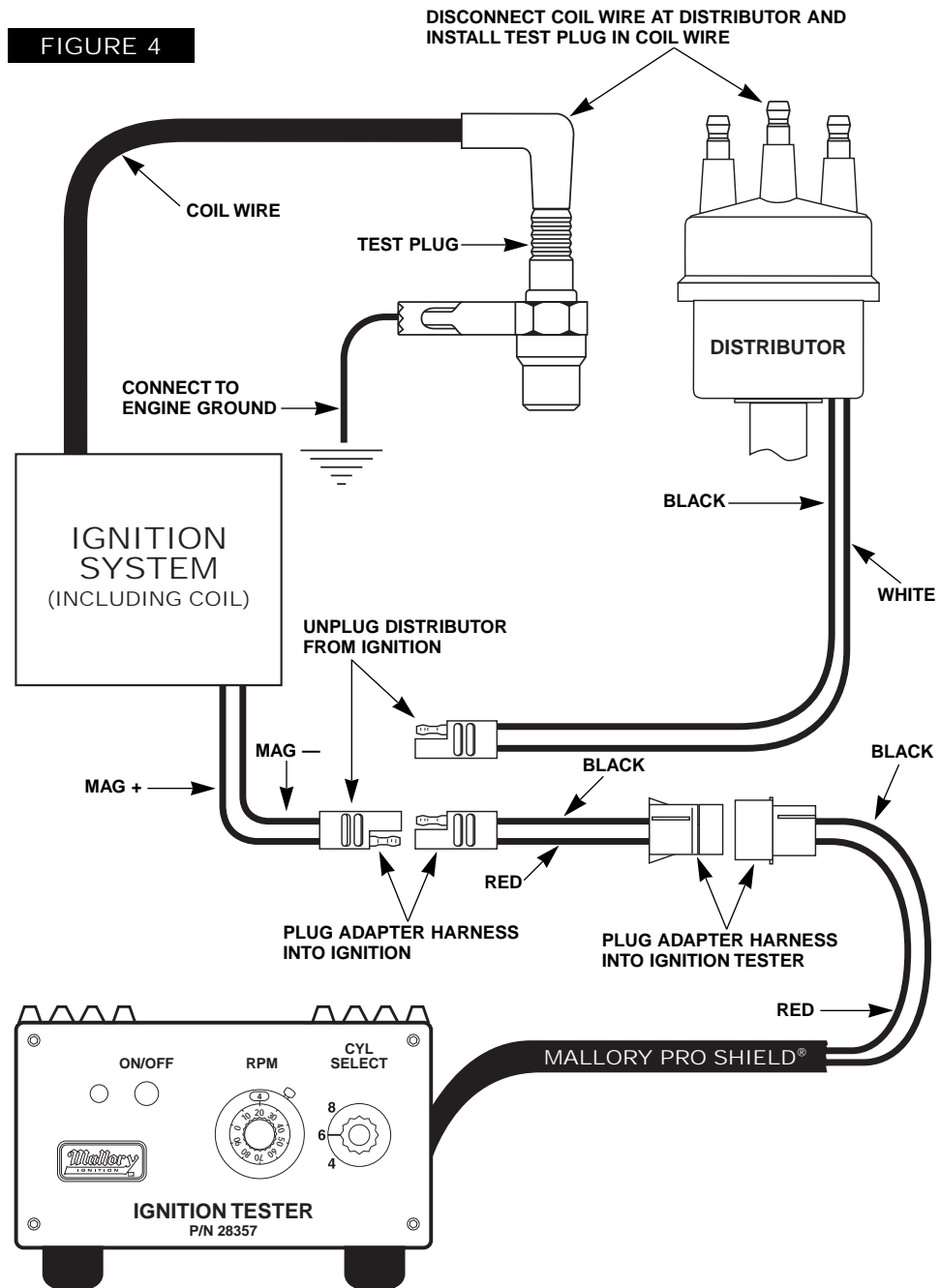
The 9-volt battery will operate for a LONG time in typical usage. When it goes dead, the red light on the front of the tester won't come on. When the battery is nearly dead, the red light may blink at low RPM.

USING THE TESTER TO CHECK AN IGNITION COIL

FIGURE 3

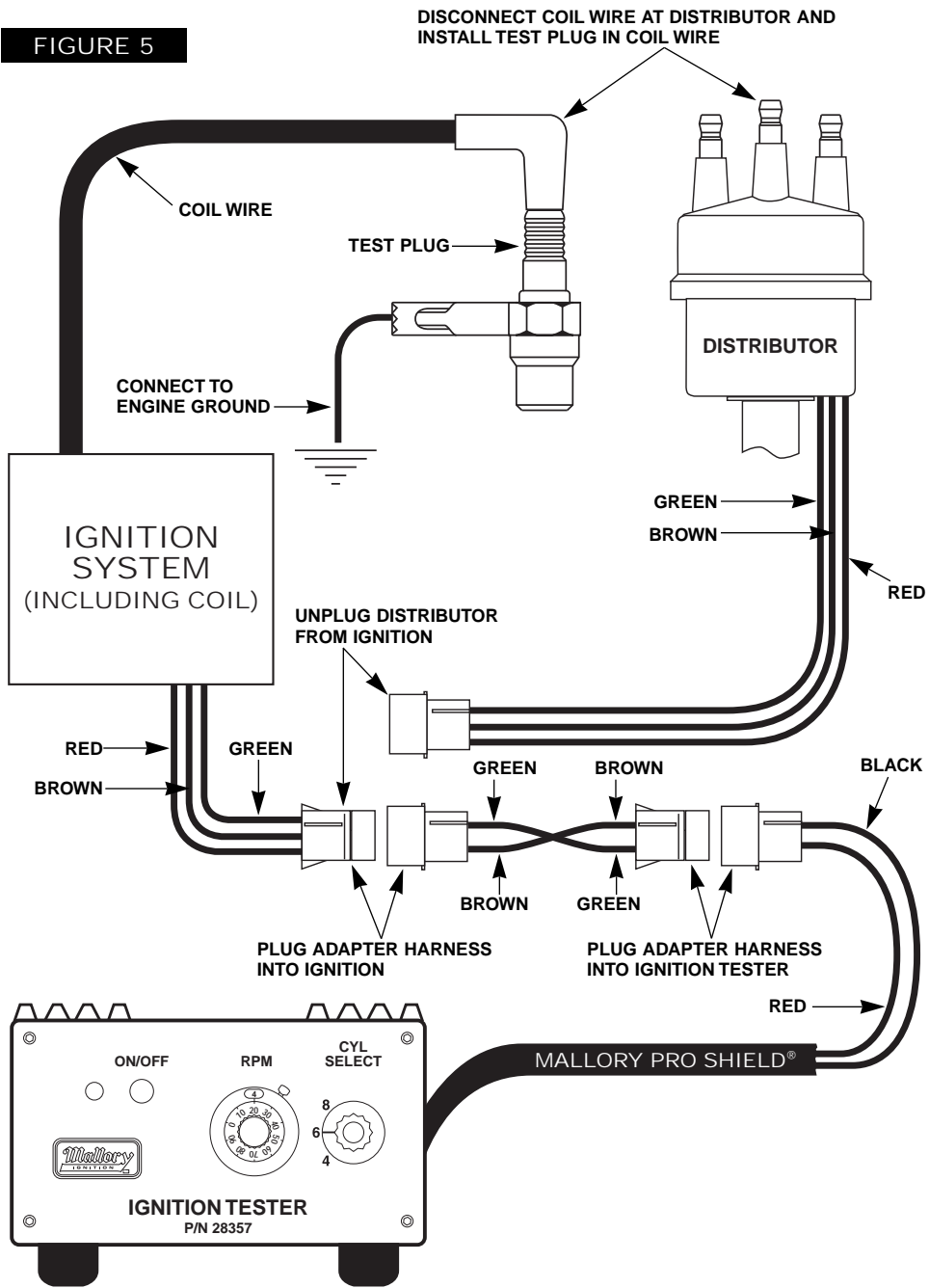


USING THE TESTER IN PLACE OF AN ACCEL MAGNETIC PICKUP DISTRIBUTOR



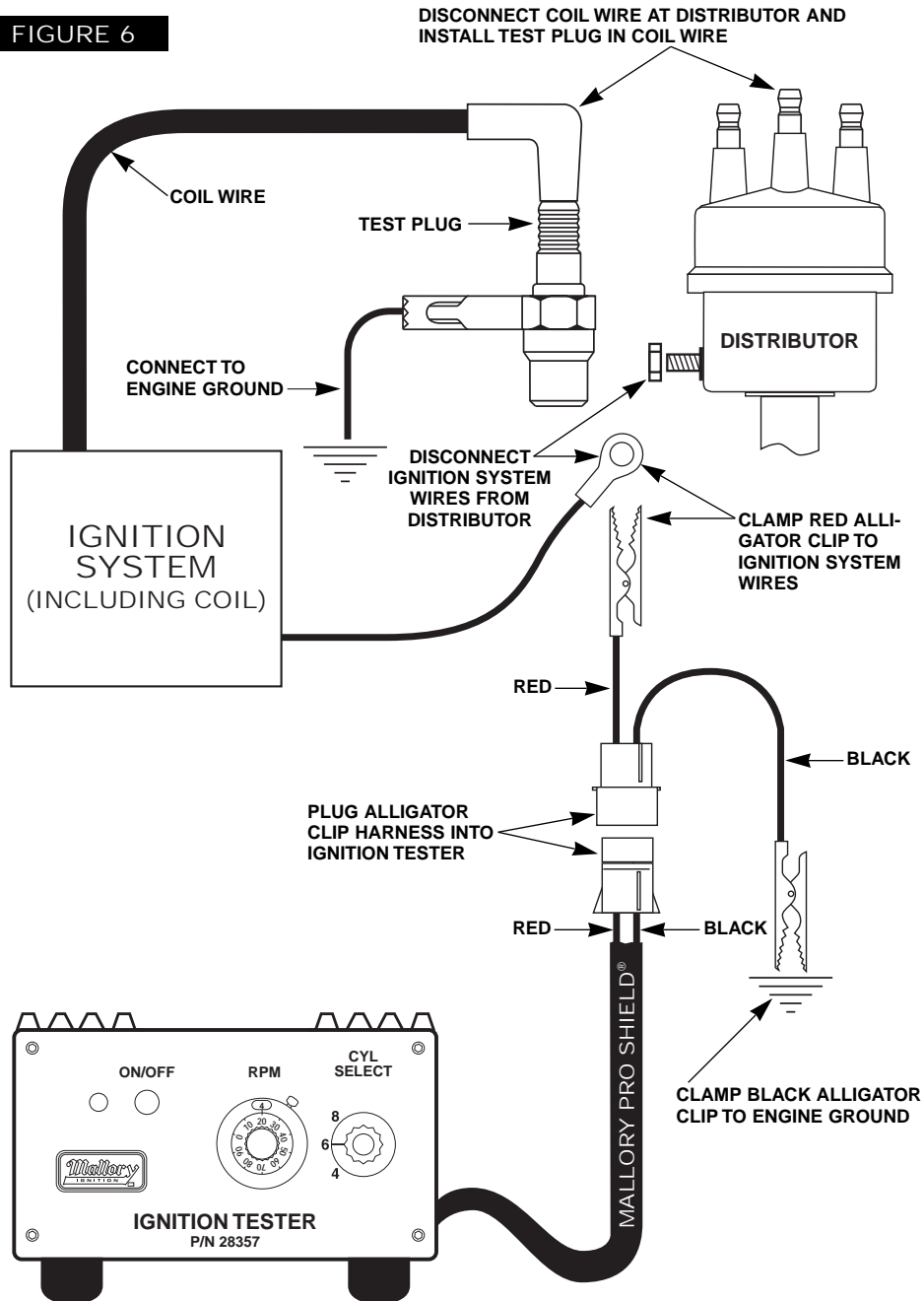
**USING THE TESTER IN PLACE OF A MALLORY UNILITE®
OR MAGNETIC BREAKERLESS DISTRIBUTOR**

FIGURE 5

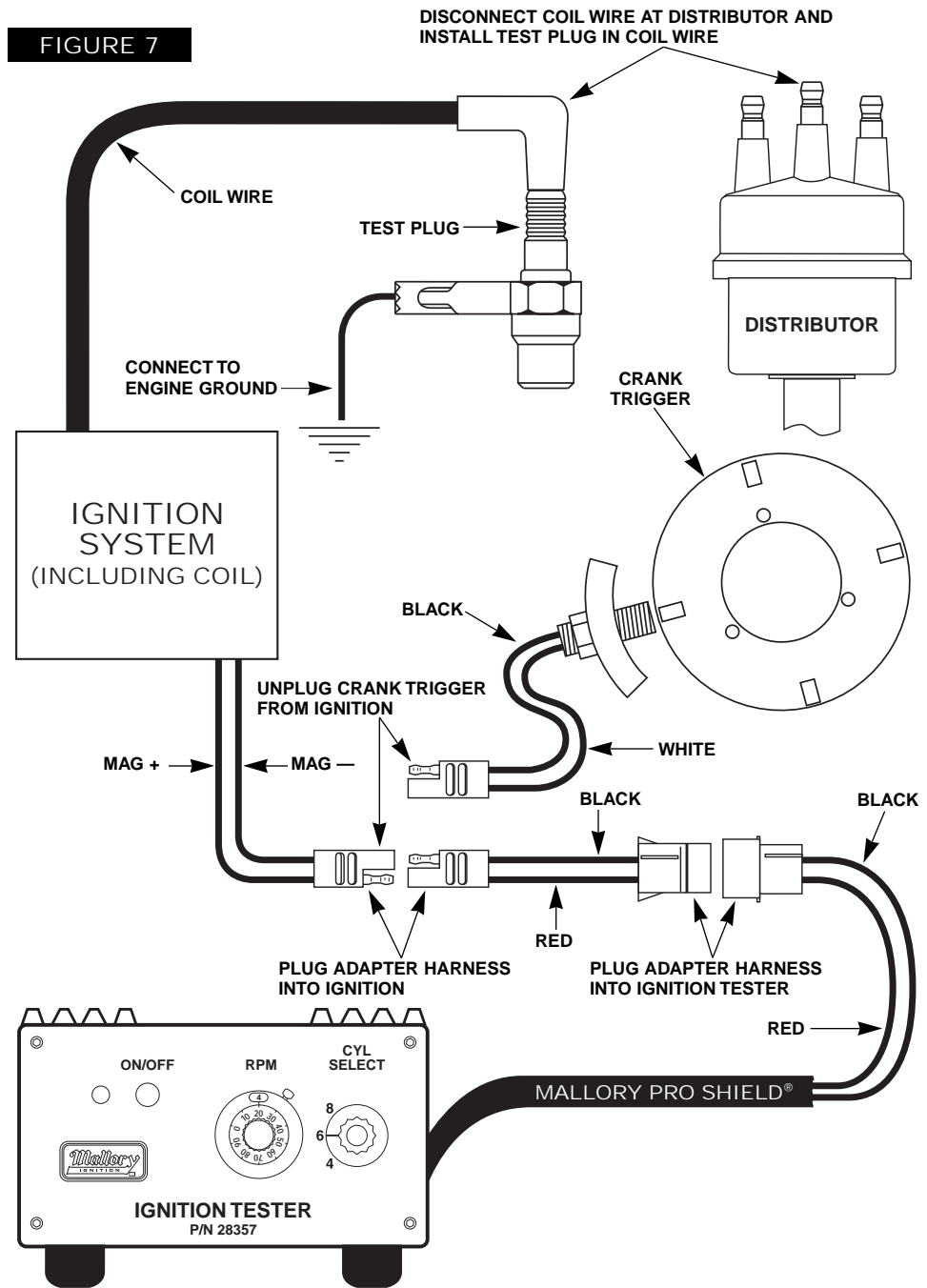


USING THE TESTER IN PLACE OF A POINT-TYPE DISTRIBUTOR

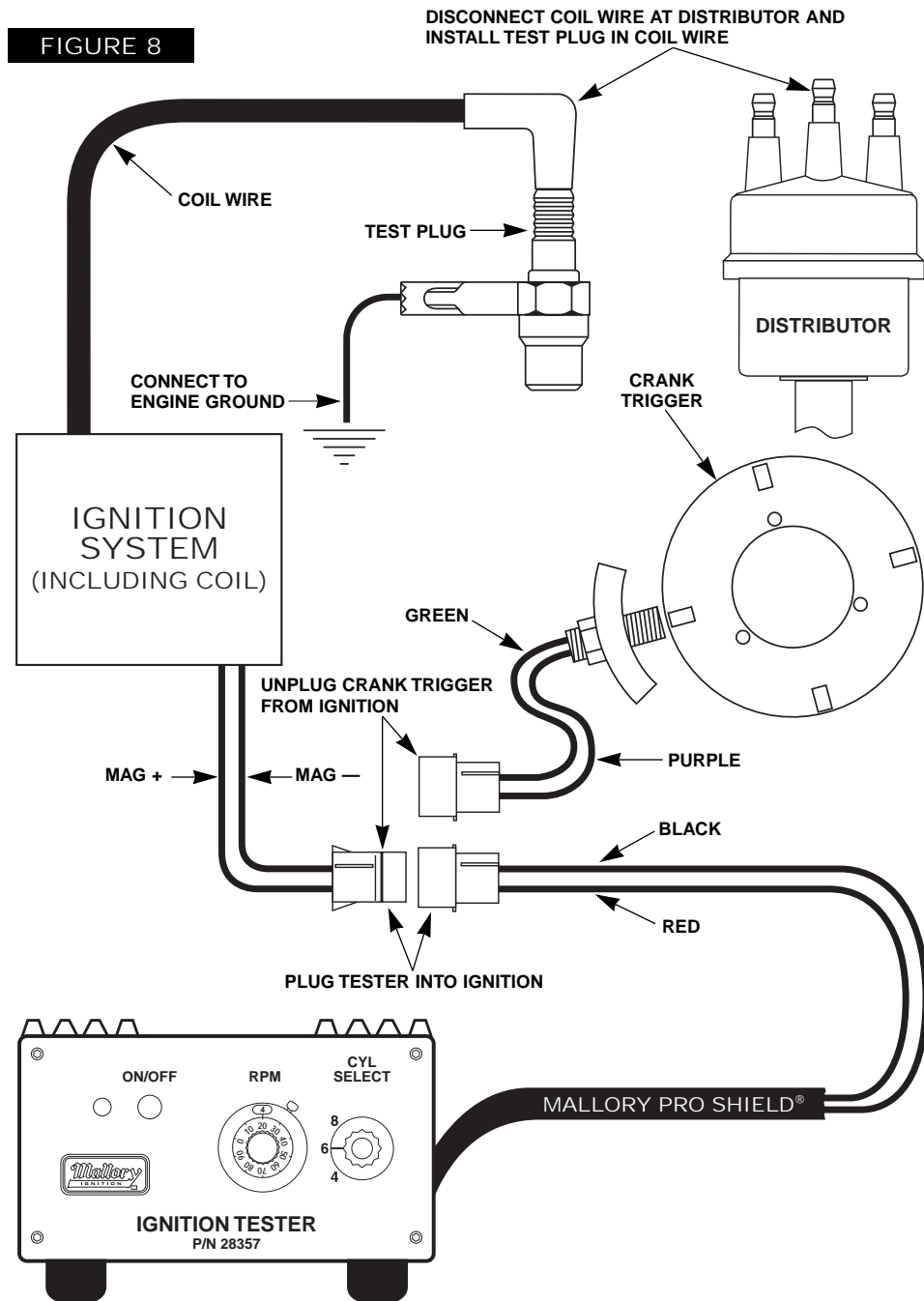
FIGURE 6



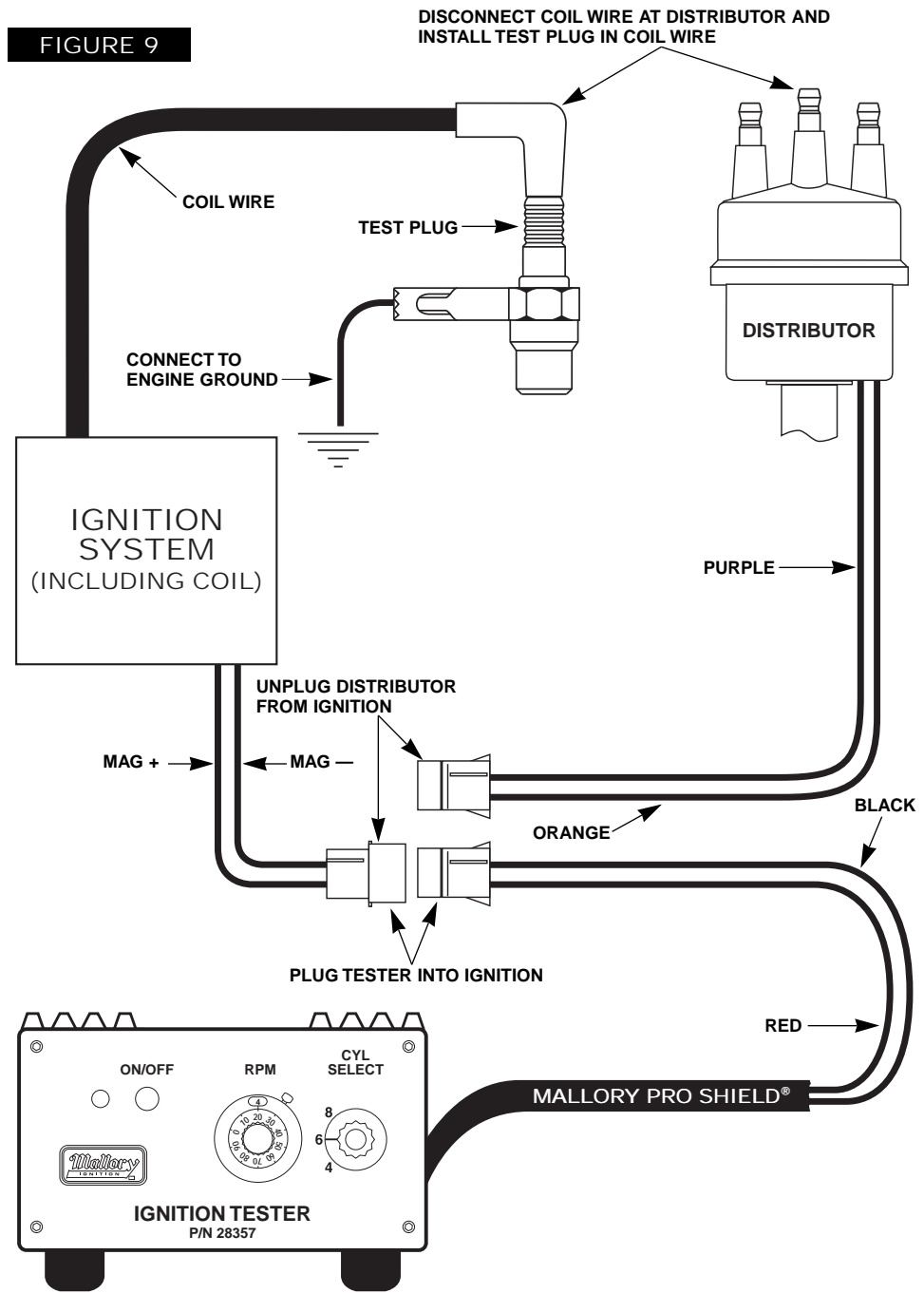
USING THE TESTER IN PLACE OF AN ACCEL CRANK TRIGGER



USING THE TESTER IN PLACE OF A MALLORY OR MSD CRANK TRIGGER



USING THE TESTER IN PLACE OF A MALLORY MAGNETIC PICKUP DISTRIBUTOR



NOTES

NOTES



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