BluePrint Engine’s Pro Series Pro Billet 2 Wire Distributors

Included: (1) Pro Series Distributor (1) Power Extension Cable (1) Wire Retainer (1) Tachometer Extension Cable (1) Spring and Weight Advance Kit

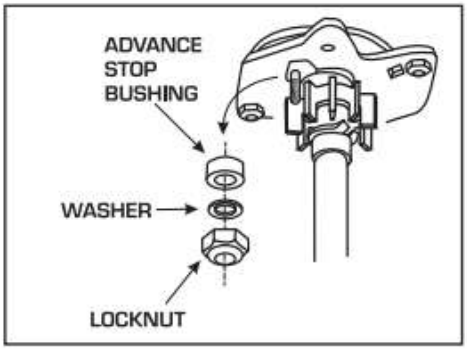
An important feature on Pro Series Pro Billet distributors is the fully adjustable mechanical advance. This allows you to easily modify the distributor to achieve a variety of timing curves. Included with all Pro Series distributors are four bushings of varied size. The bushing determines the mechanical advance the distributor can achieve. Also included are six springs, with two at each level of tension. The springs control the rate at which the distributor reaches the advance. The function of the advance curve is to match the ignition timing to the burning rate of the fuel and speed (rpm) of the engine. Any factor that changes the burning rate of the fuel or the engine speed can cause a need for an ignition timing change. The rate or how quick the advance comes in is determined by the type of springs, which are installed on the distributor. The Pro Series Distributors are equipped with two Heavy Black springs installed. These will give you the slowest advance curve possible. The parts kit contains two additional sets of springs, which can be used to match the advance curve to your particular application. To change the springs, remove the cap and rotor and use needle-nose pliers to remove the springs. Be sure the new springs seat in the groove on the pin. Locking out the mechanical advance is not necessary for normal operation. This is necessary for some aftermarket fuel systems. Confirm with the manufacture of the fuel management system to confirm.

Requires the use of a performance ignition coil. Does not work with OEM coils.

Recommended Coils are BPP8252BK, BPP82021BK

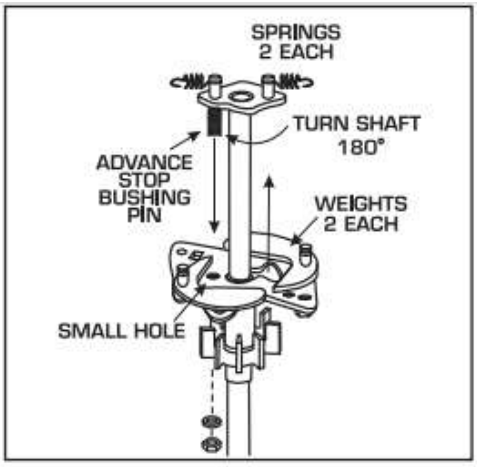
Must Bypass ballast resistor if present.

PRO SERIES INSTRUCTIONS



CHANGING THE ADVANCE STOP BUSHINGS

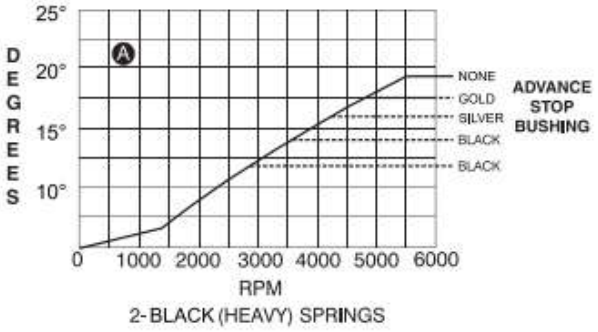
1. Remove the distributor cap and rotor.
2. Remove the locknut and washer on the bottom of the advance assembly
3. Remove the bushing and install the new one.
4. Install the washer and locknut.



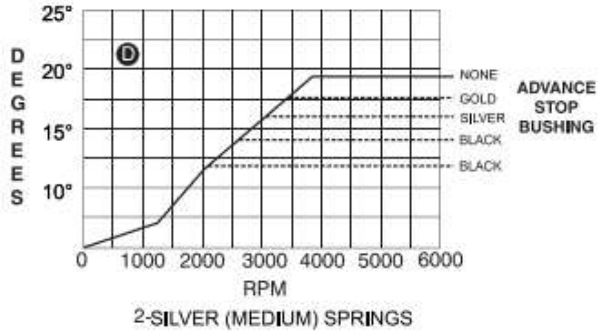
LOCKING OUT THE CENTRIFUGAL ADVANCE

1. Remove the advance components including the springs, weights and the advance stop bushing from the advance assembly.
2. Remove the roll-pin from the drive gear and remove the gear from the shaft.
3. Slide the shaft two inches out of the housing.
4. Rotate the shaft 180° and insert the advance stop bushing pin into the small hole on the advance plate
5. Install the locknut and washer to the advance stop bushing pin. This locks the advance in place.
6. Install the drive gear and roll-pin.

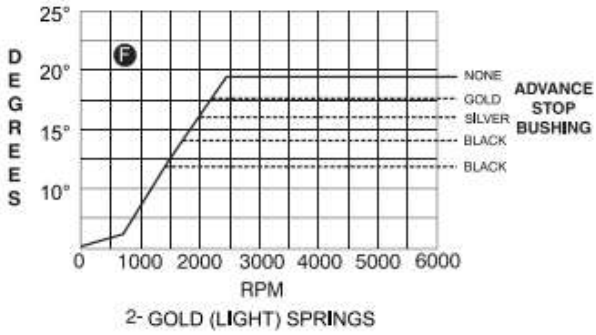
ADVANCEMENT DISTRIBUTOR CHART



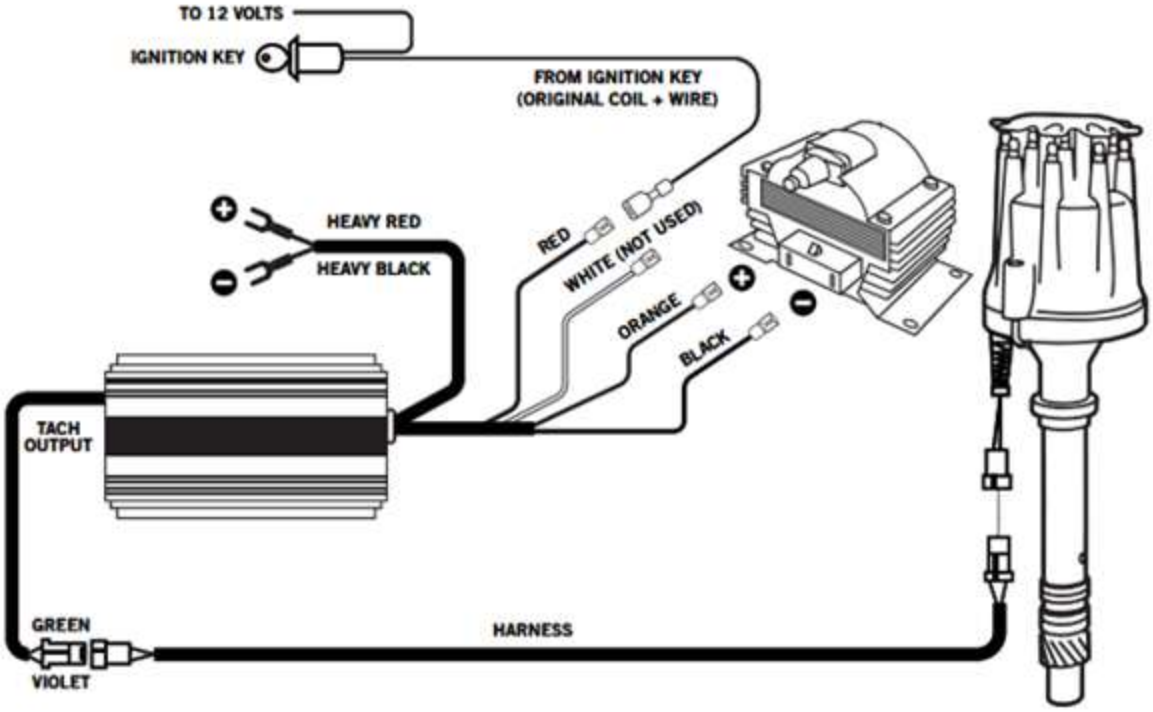
2- BLACK (HEAVY) SPRINGS



2-SILVER (MEDIUM) SPRINGS



2- GOLD (LIGHT) SPRINGS


TO 12 VOLTS
IGNITION KEY
FROM IGNITION KEY
(ORIGINAL COIL + WIRE)
HEAVY RED
HEAVY BLACK
RED
WHITE (NOT USED)
ORANGE
BLACK
TACH
OUTPUT
GREEN
VIOLET
HARNESS