

11 August 2009

Modify A Mallory Type YS 701 AVC

By Gary in MN

I was looking for an inexpensive upgrade for the Model A-B distributor and found this one on E-bay. It is a new single point counter-clockwise rotation Mallory used from 1970-1990 on Ford

1.6 Liter 4 cylinder marine and industrial engines. With red cap dual point Mallory's getting pricey, this looked like a good alternative.

This distributor is referred to as "small cap" (black) with screw hold down for the cap and a multi position locking foot. This distributor has mechanical, but no vacuum advance.

Distributor facts: E6JL-12100-AC, YS 701AVC, Ford # 71BB12100BHA. Mallory replacement parts: cap # 225B, rotor # 320, points #25042, condenser# 400, advance spring kit #29014.

I had this distributor tested on a Sun machine to determine the mechanical advance curve, and here are

the out-of-the-box results. 1* at 1500 rpm, 10* at 3000 rpm
13* at 4000 rpm. 15* at 5000 rpm. It is clear that this unit will
need the advance curve modified.

We removed the advance stop and changed springs and
retested. 1* at 1200, 10* at 2500 rpm, 18* at 3500 rpm.
38* at 5000 rpm. Of course this was a quick check of the
distributor potential, and you will have to dial the distributor in
for your engine setup. As you can see in the picture you will
have to remove the gear and machine the lower part of the
distributor and modify the shaft for a tang and collar to fit the
Model A-B head.

I would think most of you should have a A/B distributor laying
around. So instead of listing all the dimensions needed you can
use a stock A/B distributor to reverse engineer this Mallory to fit
your application. The bottom shaft is a smaller diameter than a
Model

A/B so you will have to machine a new sleeve or bush a stock
one.

The locking foot can be used if you file the notch a little deeper. Where the pin usually sits on the head tap for a hold down screw, otherwise remove the foot and use the set screw on the side of the head.

If you shorten the overall length, press the lower bushing deeper into the body before machining. When machining the tang remember it is offset.

These distributors are readily available in new condition and at a reasonable price. Here is where to find them.

You could use the E-bay "advanced search" to find Drewvanracer, but why compete with other SOSS members ? Buy direct from Van's Electrical Service 2541 Kentucky Ave Indianapolis IN 46221, email garym@vansales.com or phone 317.240.5900, or 800.428.4049 and ask for Gary McKinney.

Your cost is \$ 49.50 + shipping. Yes they are in stock.

