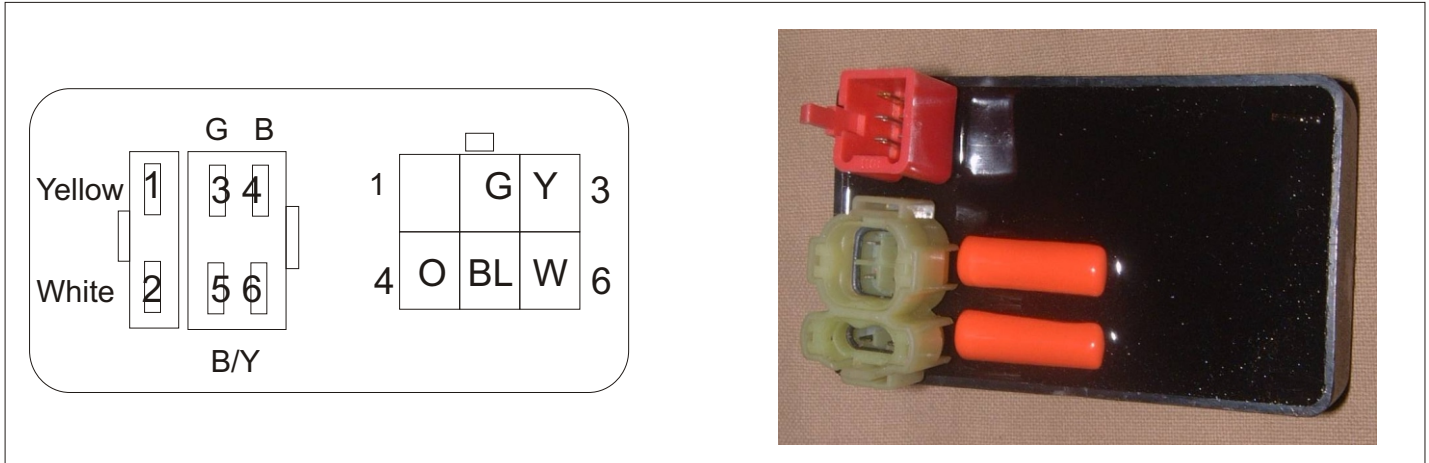


RDD Digital CDI 3A

RD350 / RD400



6 Pin Connector

1. Yellow = Source from Brass Plate
2. White = Pulsar from Brass Plate
3. Green = HT Coil Ground
4. Brown = +12 Volts D/C
5. Black/Yellow = HT Coil +VE
6. Black/Yellow = HT Coil +VE

6 Pin Connector

1. = Spare
2. Green = Earth
3. Yellow = Max Advance
4. Orange = Tacho Out
5. Blue = Clurve 2
6. White = Wasted Spark on

Install Notes:

- 1 Install the Brass Coil Plate and Drum
2. Connect the White & Yellow wires from the Brass Plate to the C.D.I
3. Hook up the remaining wires on the C.D.I Connecting the +12 Volts CPU Supply last.
4. Make sure earthing is good at all earth points. And that you have a clean +12 Volts at the CPU supply point.
5. You must use 5K Plug caps with the C.D.I or it will not run.
6. Mount the Brass coil plate with the pulsar at 5-6 O'clock position.
7. Time the bike to make sure that its firing at 24 Deg at 3500 RPM.
8. If you want to keep your stock Ign s/w. Just join the red to the red and the Brown to the Brown.
9. On the harness side main wires.:
 - Brown = +12 Volts switched thru the Ign s/w.
 - Red= +12 Volts Live.
 - Black white = Kill for Analogue CDI. (Connect to Yellow)
 - Black = Earth
10. Box of the RR unit. Should be grounded to the Frame.
11. HT Coil should be grounded to frame.
12. Battery Negative should be grounded to frame.

Debug:

- Pulsar coil = 60 to 80 Ohms
 - Source Coil = 280 to 300 Ohms.
 - HT Coil Primary = .7 Ohms / Secondary 7K-Ohms.
- Join www.rddreams.com and mail your forum ID to chinoy@indiawebworks.com
 See <http://www.eindiancompanies.com/cdi/install.htm> & www.rddreams.com/docs/rd/

STRATOR PLATE:

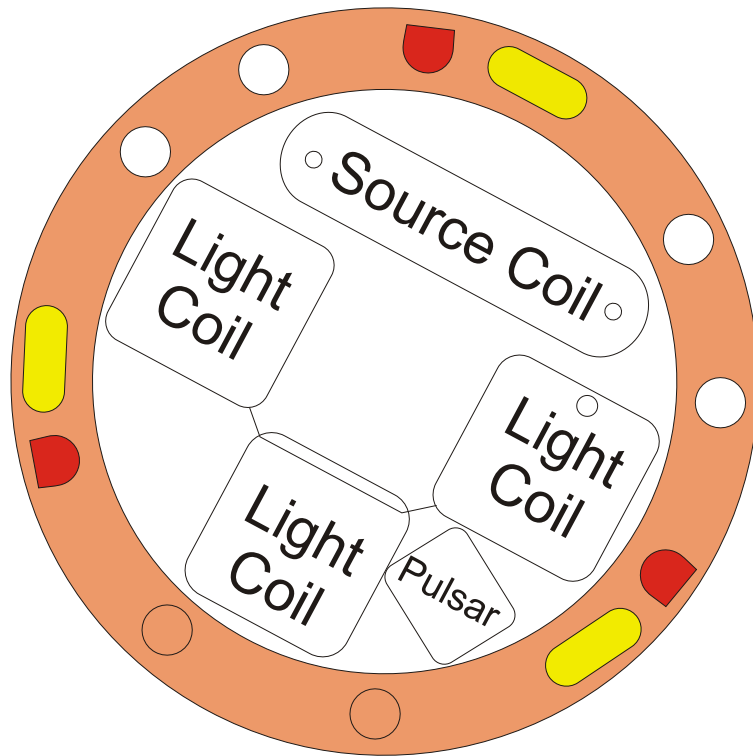


Plate Clock wise rotation = Fire further from TDC
Plate Anti Clock Wise rotation = Fire closer to TDC

Wire off the Stator Plate:

- ✎ Bullet Female White = Pulsar Coil
- ✎ Bullet Female Yellow = Source Coil
- ✎ 4 Pin Black = Earth
- ✎ 4 Pin Blue = Neutral
- ✎ 4 Pin White = A/c from Lighting Coil
- ✎ 4 Pin Yellow Red = A/c from Lighting Coil

Mounting the Plate:

Mount the plate as shown in the diagram above note the location of the pulsar coil. After loosely fitting the screws rotate the plate clockwise and tighten down. If you would like more advance then use the hole next to the slot (Red in Diagram). The slots can be filed out in either direction to retard or advance the timing.

Some Rd350s have a brass locating pin which will require pulling. Make sure none of the wires get crimped between the brass plate and the engine cases.

Post run in check:

If the bike has very good low end and midrange. But doesn't rev out as much it means you are too advanced i.e. Firing too far from TDC. Rotate plate anti clockwise to retard.
If the bike has a weak low and mid but revs to the moon. Then you are too retarded. Firing too close to TDC Rotate the plate clockwise to advance.

We have found most Rds run best at around 24 Deg BTDC at 3500 RPM.
You should time the bike by turning in the idle screw. Let the RPM reach 3500 RPM take the reading at this RPM. If you try controlling the RPM with the throttle the timing is changing and its hard to get a reading.