



Improved Digital Ignition

Suzuki DR250(S) SP250

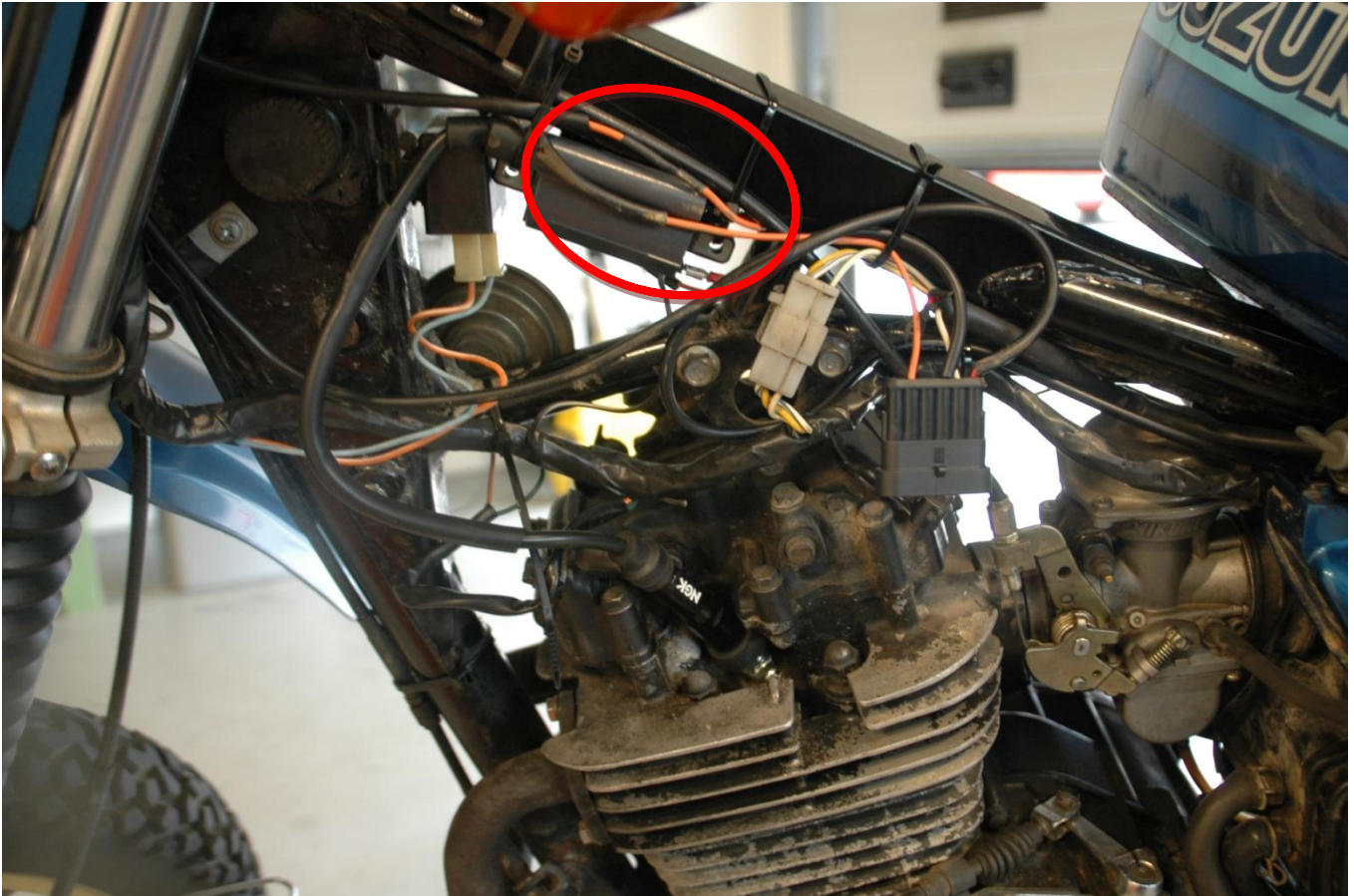
32900-38210 / 32900-38220

BM5102

1982 - 1987

Manual, conversion from CDI to Carmo TCI system

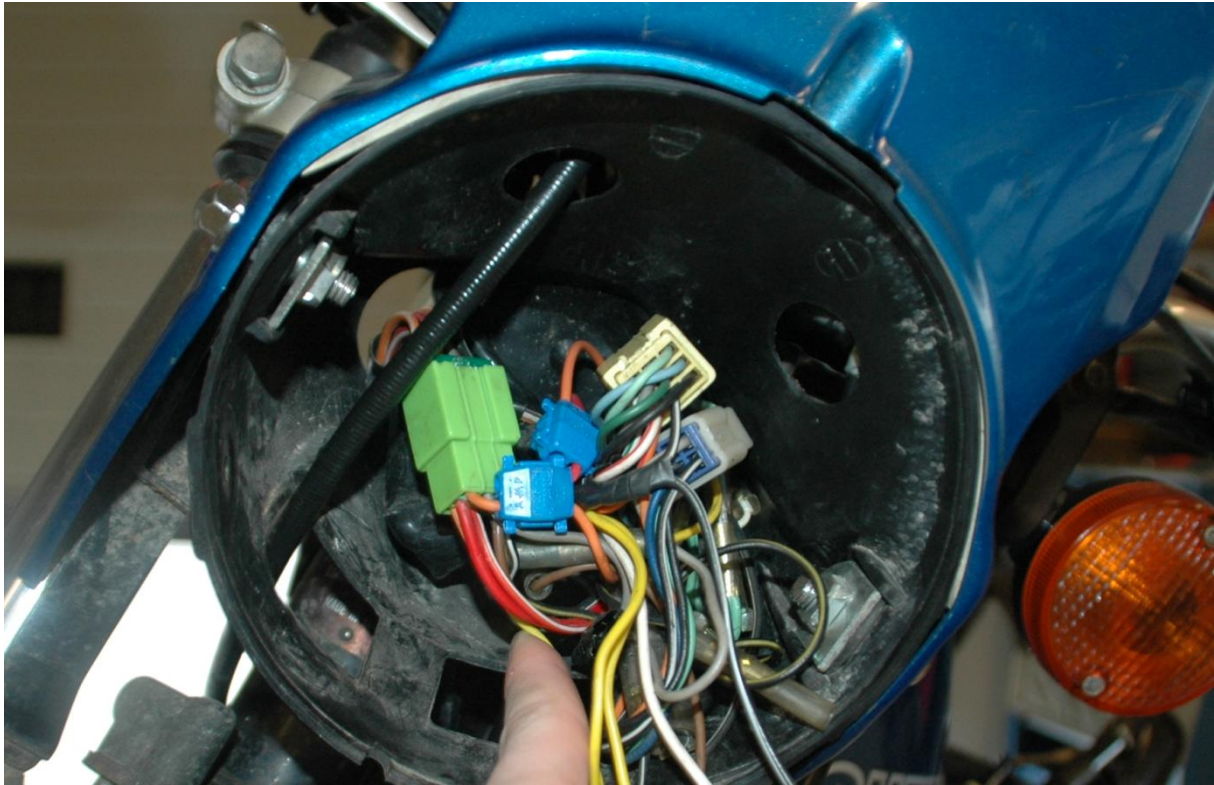
- Before you start, remove the fuel tank and headlight.
- Remove the original ignition coil (location seen on the picture below) and replace it with the new TCI ignition coil.



- There are two wires attached to the original ignition coil; Black/Yellow and Black. The Black/Yellow wire can be taken off, it will not be used anymore. The black wire will later be attached to the new ignition coil.
- Mount the new TCI ignition coil on the same place as the original one. The mounting holes will not fit, you can attach it to the frame with tie wraps.
- Once the TCI ignition coil is in place, you can attach a new faston to the black wire that came off the original coil. Attach this wire to the “ - ” side of the new TCI ignition coil.



- The other (+) side of the TCI coil needs to be connected to 12 Volt. Inside the headlight you can find a green connector with an orange wire in it. This is a Switched 12V wire. Using the wire splitter clamp you can attach the new orange wire to the Switched 12V wire. The other side of the new 12V wire goes to the + side of the new TCI coil.



- The Carmo TCI unit also needs to be connected to 12 Volt. Repeat the previous step, but this time use the red wire with the smaller AMP Superseal Faston.

- Now you can mount the improved Carmo TCI unit and 2-pole, 4-pole and one pole connector plug & play on the connectors where the original CDI unit was connected.

- The red wire with AMP super seal connector can now be connected with the AMP super seal connector you just installed.

Parts list.

- 2 wire splitter clamps.
- 60 cm red wire with AMP Superseal Faston (for switched 12V TCI unit)
- 60 cm orange wire with Ignition Coil Faston (for switched 12V Ignition coil)
- 1 TCI Ignition coil
- 1 faston with cover (for ignition coil)
- 1 Carmo TCI ignition unit
- 2x tie wraps

Original



B/Y: Ground

B: CDI ignitioncoil



--- Br: Ignition source coil

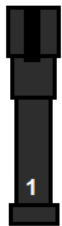
R: Ignition source coil

W: Pick-up coil

--- B/W: Ground



B/Y: Kill switch



Original Orange wire in headlight



Have fun!

