Negative Ground Wiring

To convert from Positive to Negative Ground, the basic steps are:

1. Ensure ignition is switched OFF!
2. Disconnect the leads from the battery terminals.
3. Disconnect the white wire coming out of the ignition unit from the ignition switch feed wire.
4. Disconnect the wire which connects the + terminal of the ignition coil to Ground. This wire is usually red with either a ring or a female spade terminal on the end.
5. Reconnect this same wire to the ignition switch feed wire, mentioned in step 2. You may first need to change the terminal connector on the end of this wire.
6. Connect the white wire from the ignition unit to a good Ground point on the engine or frame (or directly to the Negative battery terminal). You will probably need to change the terminal connector to a ring or female spade type.
7. Reconnect the battery Positive terminal to the main power feed to ignition/light switches.
8. Reconnect the battery Negative terminal to Ground.
9. Notes:
   - The black wire coming out of the ignition unit (or blue if a 6 volt unit), always connects to the negative terminal of the first ignition coil, whether Positive or Negative Ground
   - If the motorcycle is a twin with 2 coils, or a triple with 3 coils, the coils are always connected in series (Positive to Negative), whether Positive or Negative Ground
   - If you are using one dual output coil (for a twin), you will need to join both the positive wire and the ignition unit red wire together and connect them to the ignition switch feed wire.