

PARTS LIST

Performance Chip, K1200 RS

NOTE: This part change requires an anti-static work surface.

NOTE: Right and Left side of Motorcycle is determined while sitting on the bike.



Torx Wrench, T-25
 Hex Key Wrench, 4mm
 Hex Key Wrench, 5mm
 Screwdriver, #2 Phillips
 Screwdriver, Flat Blade
 Torx Wrench, T-30 Tamper Resistant
 Screwdriver, Flat Blade, Ant-Static
 Anti-static work surface.

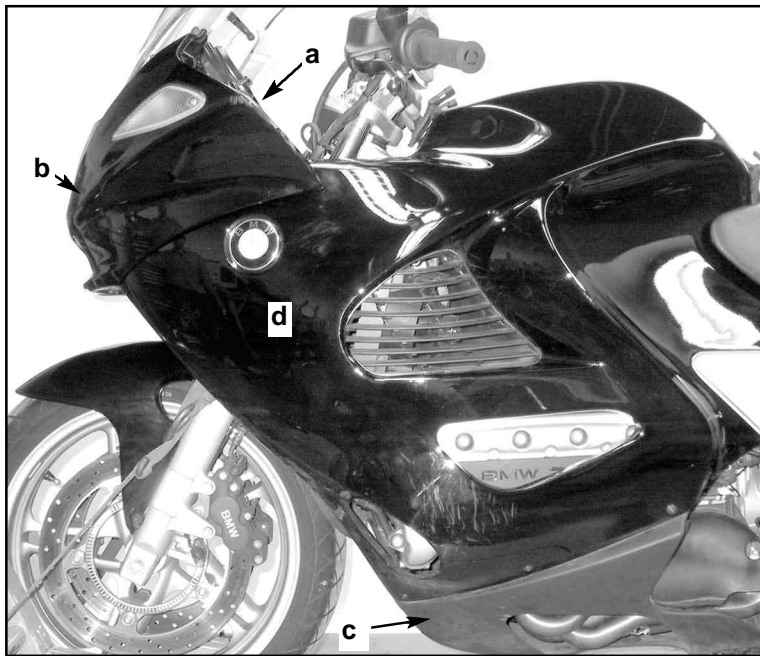


Figure 1

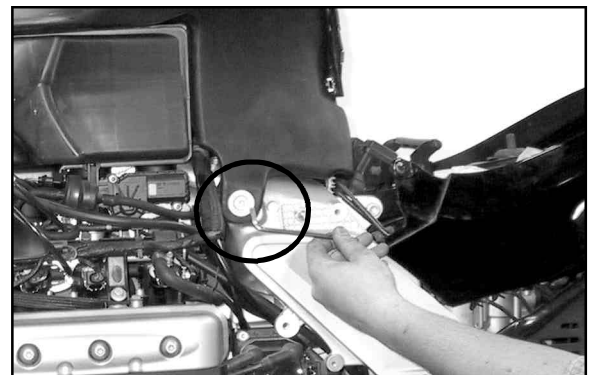


Figure 2

PREPARATION

Note: all fasteners and body panels will be used upon re-assembly.

1. Position the motorcycle securely on its center (main) stand.
2. Remove the following body pieces: **Figure 1**
 - a. Body color fascia surrounding gauges
 - b. Front upper fairing
 - c. Fairing lower, under engine.
 - d. Main side panels.
3. Remove the screw from the front of the body panel on top of the fuel tank.
4. Remove the screws that hold the fuel tank. **Figure 2.**
5. Disconnect the the two fuel hoses shown in **figure 3.**



Figure 3

Disconnect Fuel Hoses

6. Disconnect the electrical connections at the fuel pump; lower right side of fuel tank, behind fuel hoses. And also at the fuel level sending unit; upper right side. **Figure 5.**

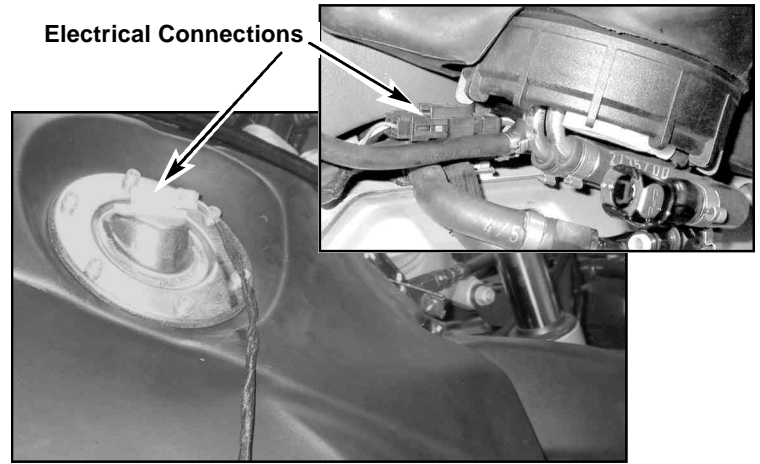


Figure 5

7. Of the two rubber hoses remaining, pull the vent hose out of the frame and disconnect the last hose from its fitting at the fuel pump. **Figure 6.**

8. Remove the fuel tank.

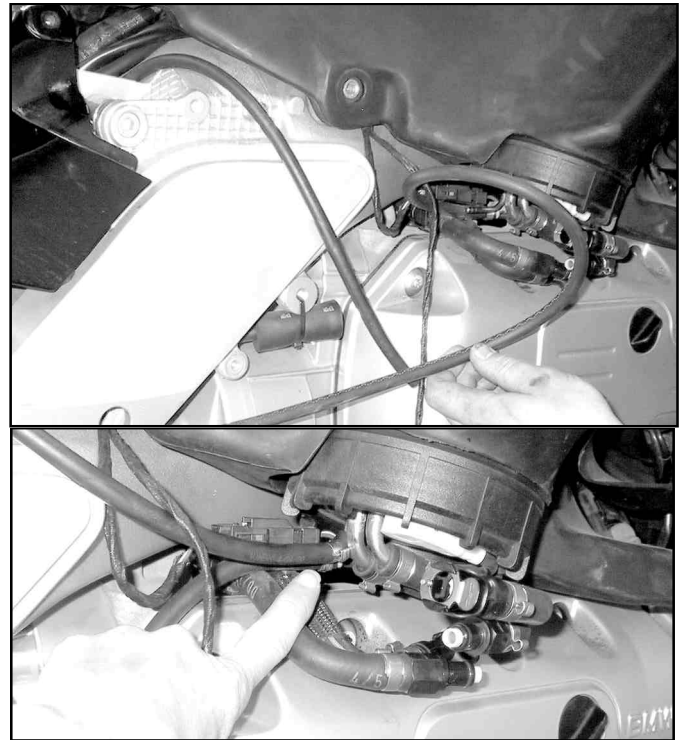


Figure 6

9. Remove the three screws that secure the "Motronic" unit. **Figure 7.**

10. Release the clip at the rear of the "Motronic" unit and remove the unit. **Figure 8.**



Figure 7



Figure 8

Note: the following procedure must be performed on an anti-static work surface.

11. Remove the four "Tamper Resistant" Torx screws. **Figure 9.**

12. Separate the cover on the "Motronic" unit with a flat screwdriver, it is "glued" together with silicone. **Figure 10.**

13. Remove the white plastic retainer from the engine management EPROM. **Figure 11.**

Note the position of the EPROM, the *notch* at one end should be near the outside edge of the "Motronic" unit. **Figure 12.**

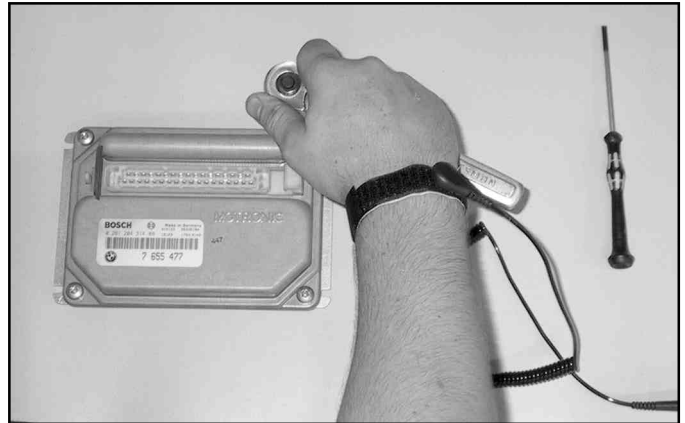


Figure 9

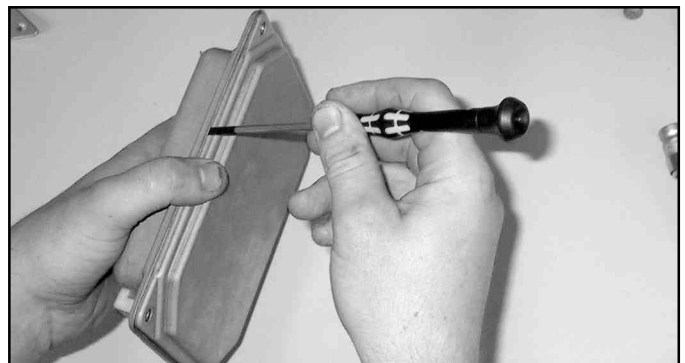


Figure 10

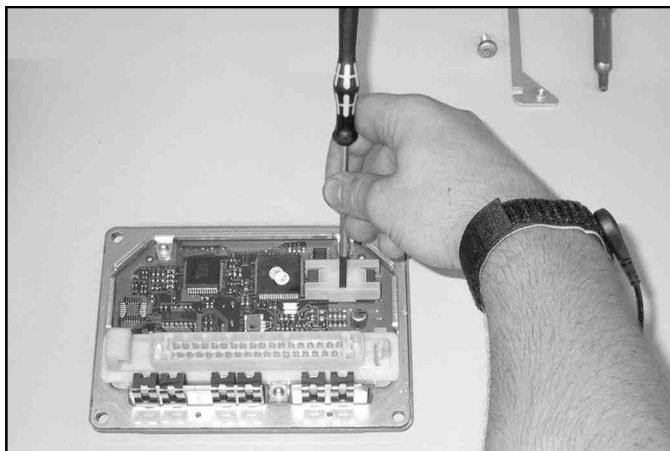


Figure 11

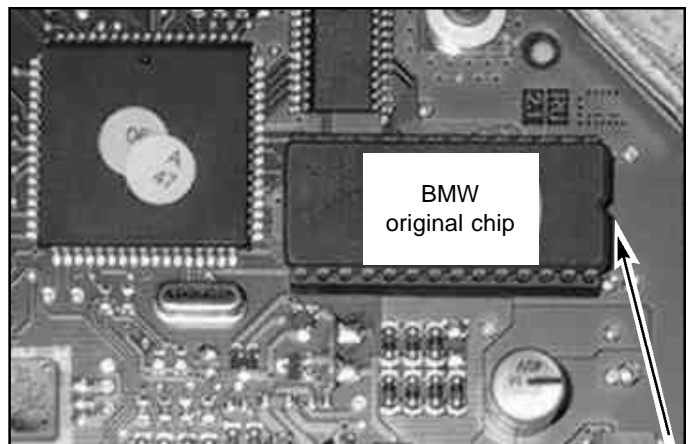


Figure 12

Note location of notch.

14. Using the Anti-static screwdriver, carefully remove the chip from the unit. **Figure 13.**

INSTALLATION

1. Position the Z4025 Performance Chip on the chip socket in the "Motronic" unit. **Figure 14.**

Note: Verify that the orientation is the same as the chip that was removed. **Figure 14.**

2. Gently push the pins on the Chip into the receptacles in the socket.

3. Look under the chip, with a flashlight, to make certain that ALL pins entered their receptacles. **Figure 15.**

4. Press the Chip fully into place.

5. Install the white plastic retainer.

6. Re-assemble the "Motronic" unit. **Figure 16.**

7. Carefully, install the "Motronic" unit in the same location from which it was removed. **Figure 17.**

Note: a bent pin will make trouble shooting very difficult.

8. Reinstall fuel tank.

9. Start the engine. Let it idle and rev it up. If the engine does not perform correctly, disassemble the "Motronic" unit to look for bent pins.

10. Reinstall all body panels in reverse order of assembly.

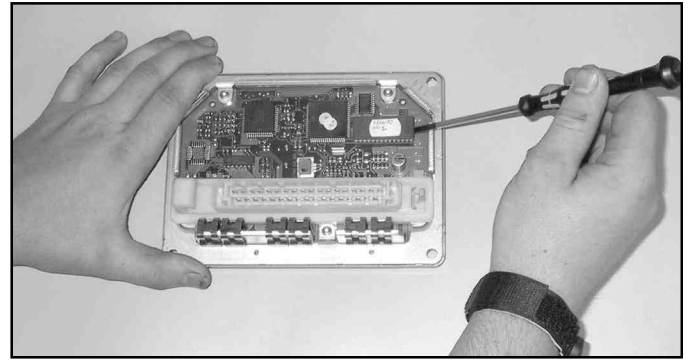


Figure 13

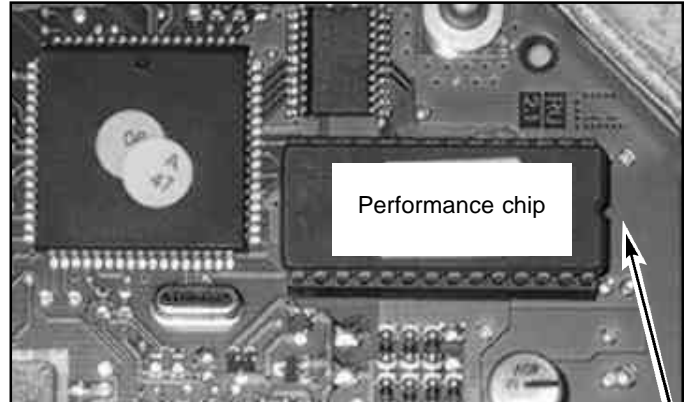


Figure 14

Note location of notch.

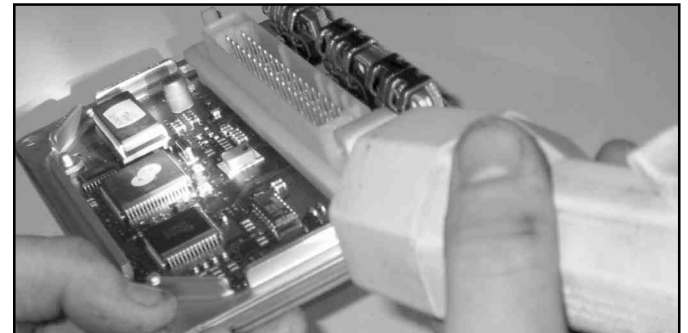


Figure 15



Figure 16

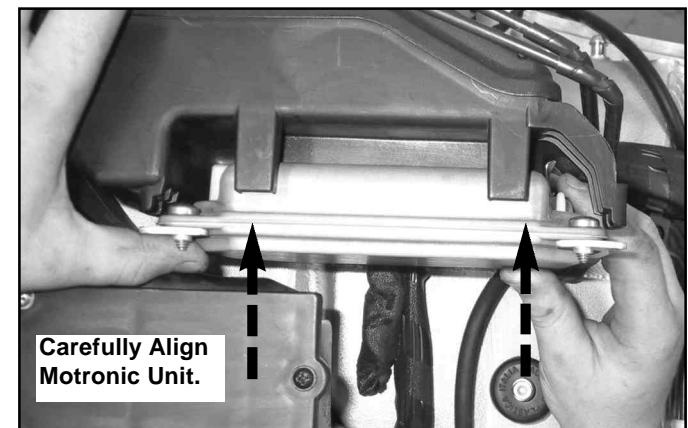


Figure 17