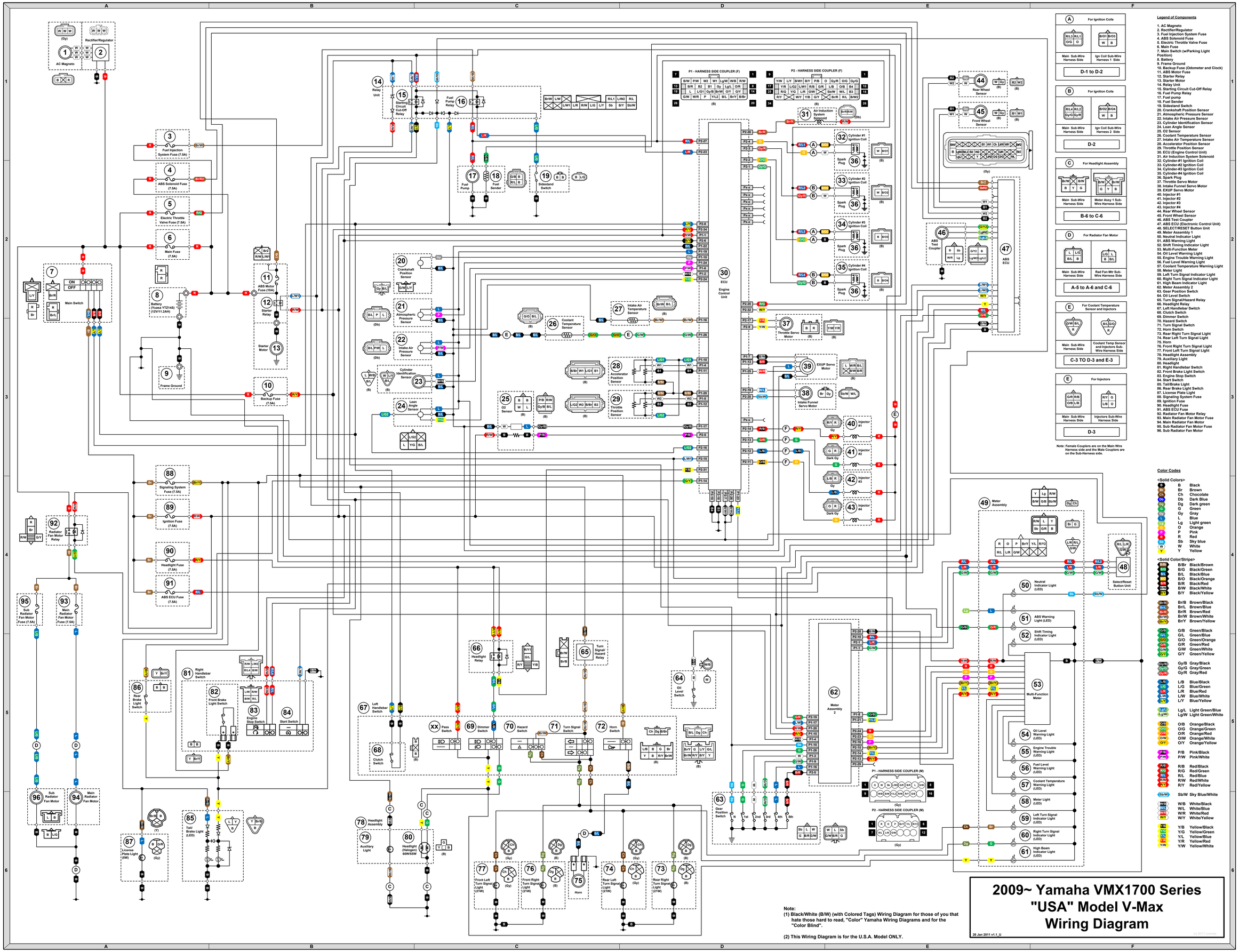


## For Ignition Coils (A)

| Main Sub-Wire Harness Side | Ign Coil Sub-Wire Harness 1 Side |
|---|---|
| R/L3 R/L1 O/G O | B/O1 B/O3 W B |

**D-1 to D-2**

## For Ignition Coils (B)

| Main Sub-Wire Harness Side | Ign Coil Sub-Wire Harness 2 Side |
|---|---|
| R/L4 R/L2 Gy/O Gy/R | B/O2 B/O4 W B |

**D-2**

## For Headlight Assembly (C)

| Main Sub-Wire Harness Side | Meter Assy 1 Sub-Wire Harness Side |
|---|---|
| Br/W B/W B Y G | B/W Br/W G Y B |

**B-6 to C-6**

## For Radiator Fan Motor (D)

| Main Sub-Wire Harness Side | Rad Fan Mtr Sub-Wire Harness Side |
|---|---|
| L L/G B/L B | L/G L B B/L |

**A-5 to A-6 and C-6**

## For Coolant Temperature Sensor and Injectors (E)

| Main Sub-Wire Harness Side | Coolant Temp Sensor and Injectors Sub-Wire Harness Side |
|---|---|
| G/W B/L R | B/L L/G R |

**C-3 TO D-3 and E-3**

## For Injectors (E)

| Main Sub-Wire Harness Side | Injectors Sub-Wire Harness Side |
|---|---|
| G/R R/B O/B L/B | R/Y G L/B O |

**D-3**

Note: Female Couplers are on the Main Wire Harness side and the Male Couplers are on the Sub-Harness side.

## Legend of Components

1. AC Magneto
2. Rectifier/Regulator
3. Fuel Injection System Fuse
4. ABS Solenoid Fuse
5. Electric Throttle Valve Fuse
6. Main Fuse
7. Main Switch (w/Parking Light Position)
8. Battery
9. Frame Ground
10. Backup Fuse (Odometer and Clock)
11. ABS Motor Fuse
12. Starter Relay
13. Starter Motor
14. Relay Unit
15. Starting Circuit Cut-Off Relay
16. Fuel Pump Relay
17. Fuel pump
18. Fuel Sender
19. Sidestand Switch
20. Crankshaft Position Sensor
21. Atmospheric Pressure Sensor
22. Intake Air Pressure Sensor
23. Cylinder Identification Sensor
24. Lean Angle Sensor
25. O2 Sensor
26. Coolant Temperature Sensor
27. Intake Air Temperature Sensor
28. Accelerator Position Sensor
29. Throttle Position Sensor
30. ECU (Engine Control Unit)
31. Air Induction System Solenoid
32. Cylinder-#1 Ignition Coil
33. Cylinder-#2 Ignition Coil
34. Cylinder-#3 Ignition Coil
35. Cylinder-#4 Ignition Coil
36. Spark Plug
37. Throttle Servo Motor
38. Intake Funnel Servo Motor
39. EXUP Servo Motor
40. Injector #1
41. Injector #2
42. Injector #3
43. Injector #4
44. Rear Wheel Sensor
45. Front Wheel Sensor
46. ABS Test Coupler
47. ABS ECU (Electronic Control Unit)
48. SELECT/RESET Button Unit
49. Meter Assembly 1
50. Neutral Indicator Light
51. ABS Warning Light
52. Shift Timing Indicator Light
53. Multi-Function Meter
54. Oil Level Warning Light
55. Engine Trouble Warning Light
56. Fuel Level Warning Light
57. Coolant Temperature Warning Light
58. Meter Light
59. Left Turn Signal Indicator Light
60. Right Turn Signal Indicator Light
61. High Beam Indicator Light
62. Meter Assembly 2
63. Gear Position Switch
64. Oil Level Switch
65. Turn Signal/Hazard Relay
66. Headlight Relay
67. Left Handlebar Switch
68. Clutch Switch
69. Dimmer Switch
70. Hazard Switch
71. Turn Signal Switch
72. Horn Switch
73. Rear Right Turn Signal Light
74. Rear Left Turn Signal Light
75. Horn
76. Front Right Turn Signal Light
77. Front Left Turn Signal Light
78. Headlight Assembly
79. Auxiliary Light
80. Headlight
81. Right Handlebar Switch
82. Front Brake Light Switch
83. Engine Stop Switch
84. Start Switch
85. Tail/Brake Light
86. Rear Brake Light Switch
87. License Plate Light
88. Signaling System Fuse
89. Ignition Fuse
90. Headlight Fuse
91. ABS ECU Fuse
92. Radiator Fan Motor Relay
93. Main Radiator Fan Motor Fuse
94. Main Radiator Fan Motor
95. Sub Radiator Fan Motor Fuse
96. Sub Radiator Fan Motor

## Color Codes

<Solid Colors>

| | | |
|---|---|---|
| B | B | Black |
| Br | Br | Brown |
| Ch | Ch | Chocolate |
| Db | Db | Dark Blue |
| Dg | Dg | Dark green |
| G | G | Green |
| Gy | Gy | Gray |
| L | L | Blue |
| Lg | Lg | Light green |
| O | O | Orange |
| P | P | Pink |
| R | R | Red |
| Sb | Sb | Sky blue |
| W | W | White |
| Y | Y | Yellow |

<Solid Color/Stripe>

| | | |
|---|---|---|
| B/Br | B/Br | Black/Brown |
| B/G | B/G | Black/Green |
| B/L | B/L | Black/Blue |
| B/O | B/O | Black/Orange |
| B/R | B/R | Black/Red |
| B/W | B/W | Black/White |
| B/Y | B/Y | Black/Yellow |
| Br/B | Br/B | Brown/Black |
| Br/L | Br/L | Brown/Blue |
| Br/R | Br/R | Brown/Red |
| Br/W | Br/W | Brown/White |
| Br/Y | Br/Y | Brown/Yellow |
| G/B | G/B | Green/Black |
| G/L | G/L | Green/Blue |
| G/O | G/O | Green/Orange |
| G/R | G/R | Green/Red |
| G/W | G/W | Green/White |
| G/Y | G/Y | Green/Yellow |
| Gy/B | Gy/B | Gray/Black |
| Gy/G | Gy/G | Gray/Green |
| Gy/R | Gy/R | Gray/Red |
| L/B | L/B | Blue/Black |
| L/G | L/G | Blue/Green |
| L/R | L/R | Blue/Red |
| L/W | L/W | Blue/White |
| L/Y | L/Y | Blue/Yellow |
| Lg/L | Lg/L | Light Green/Blue |
| Lg/W | Lg/W | Light Green/White |
| O/B | O/B | Orange/Black |
| O/G | O/G | Orange/Green |
| O/R | O/R | Orange/Red |
| O/W | O/W | Orange/White |
| O/Y | O/Y | Orange/Yellow |
| P/B | P/B | Pink/Black |
| P/W | P/W | Pink/White |
| R/B | R/B | Red/Black |
| R/G | R/G | Red/Green |
| R/L | R/L | Red/Blue |
| R/W | R/W | Red/White |
| R/Y | R/Y | Red/Yellow |
| Sb/W | Sb/W | Sky Blue/White |
| W/B | W/B | White/Black |
| W/L | W/L | White/Blue |
| W/R | W/R | White/Red |
| W/Y | W/Y | White/Yellow |
| Y/B | Y/B | Yellow/Black |
| Y/G | Y/G | Yellow/Green |
| Y/L | Y/L | Yellow/Blue |
| Y/R | Y/R | Yellow/Red |
| Y/W | Y/W | Yellow/White |

Note:
(1) Black/White (B/W) (with Colored Tags) Wiring Diagram for those of you that hate those hard to read, "Color" Yamaha Wiring Diagrams and for the "Color Blind".

(2) This Wiring Diagram is for the U.S.A. Model ONLY.

# 2009~ Yamaha VMX1700 Series "USA" Model V-Max Wiring Diagram

26 Jan 2011 v1.1_U

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