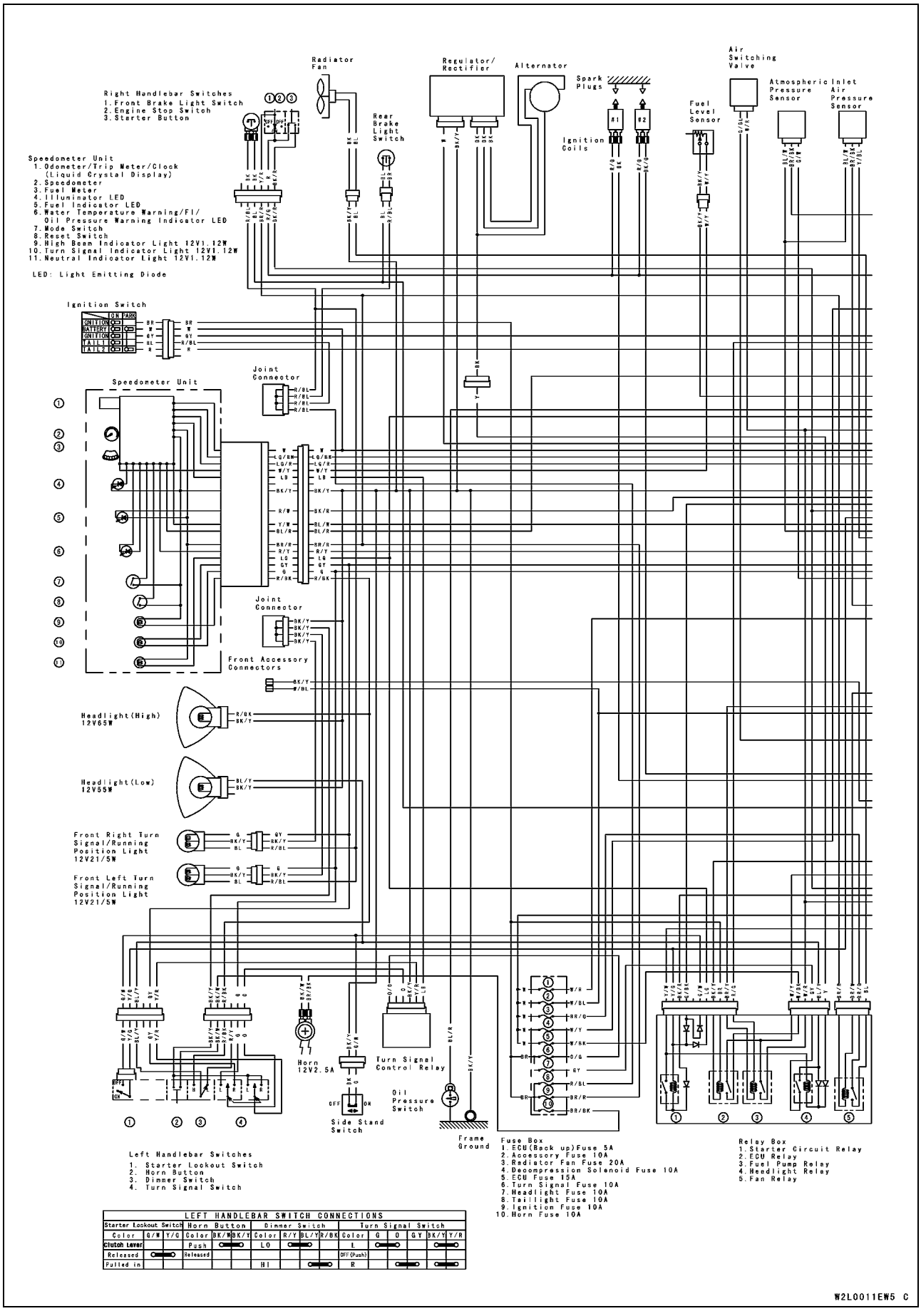
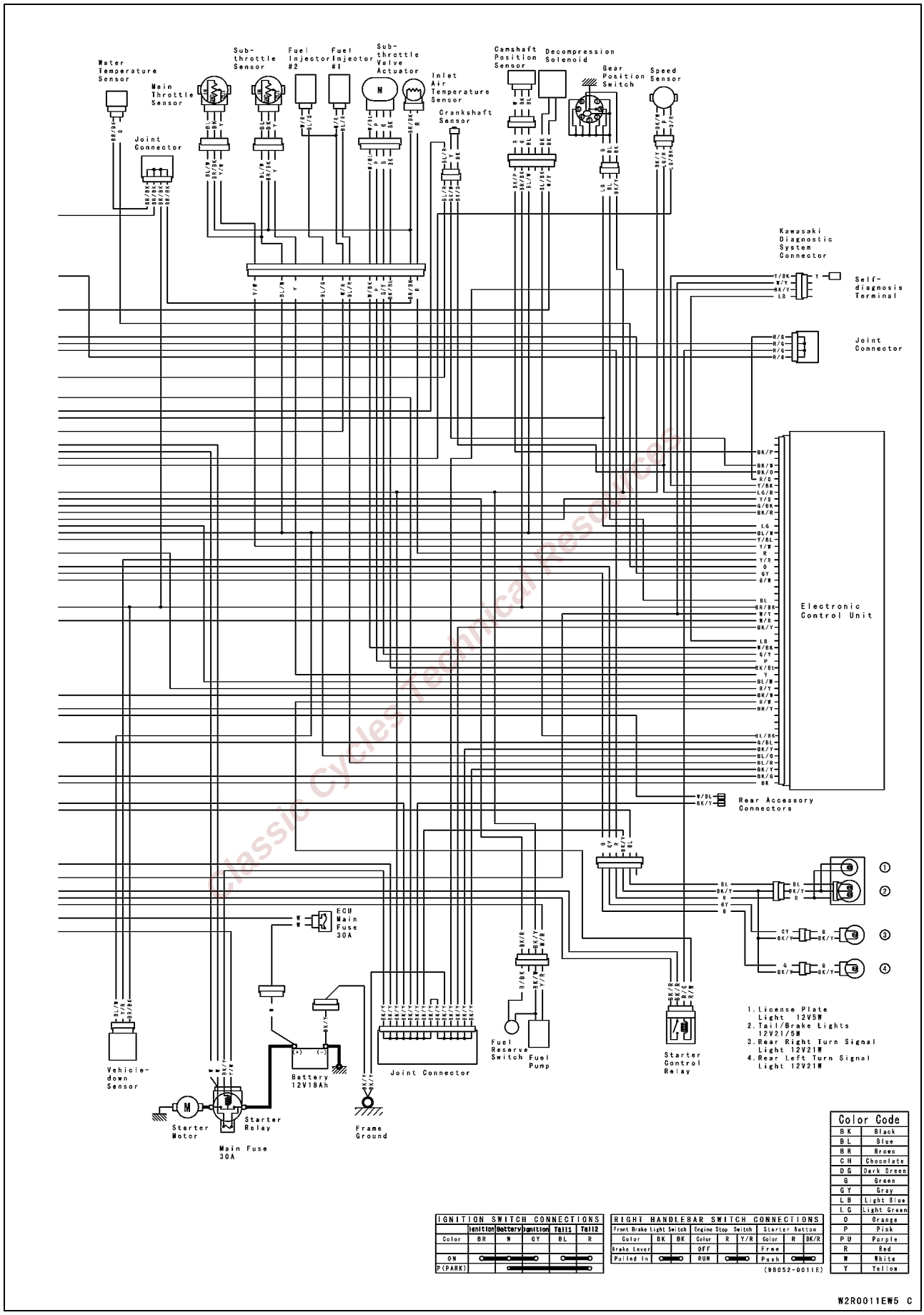
Wiring Diagram (United States and Canada)



LEFT HANDLEBAR SWITCH CONNECTIONS

Starter Lockout Switch			Horn Button			Dimmer Switch				Turn Signal Switch				
Color	G/W	Y/G	Color	BK/W	BK/Y	Color	R/Y	BL/Y	R/BK	Color	G	O	GY	BK/Y	Y/R
Clutch Lever			Push			LO				L				
Released			Released							OFF (Push)				
Pulled in						HI				R				

Wiring Diagram (United States and Canada)



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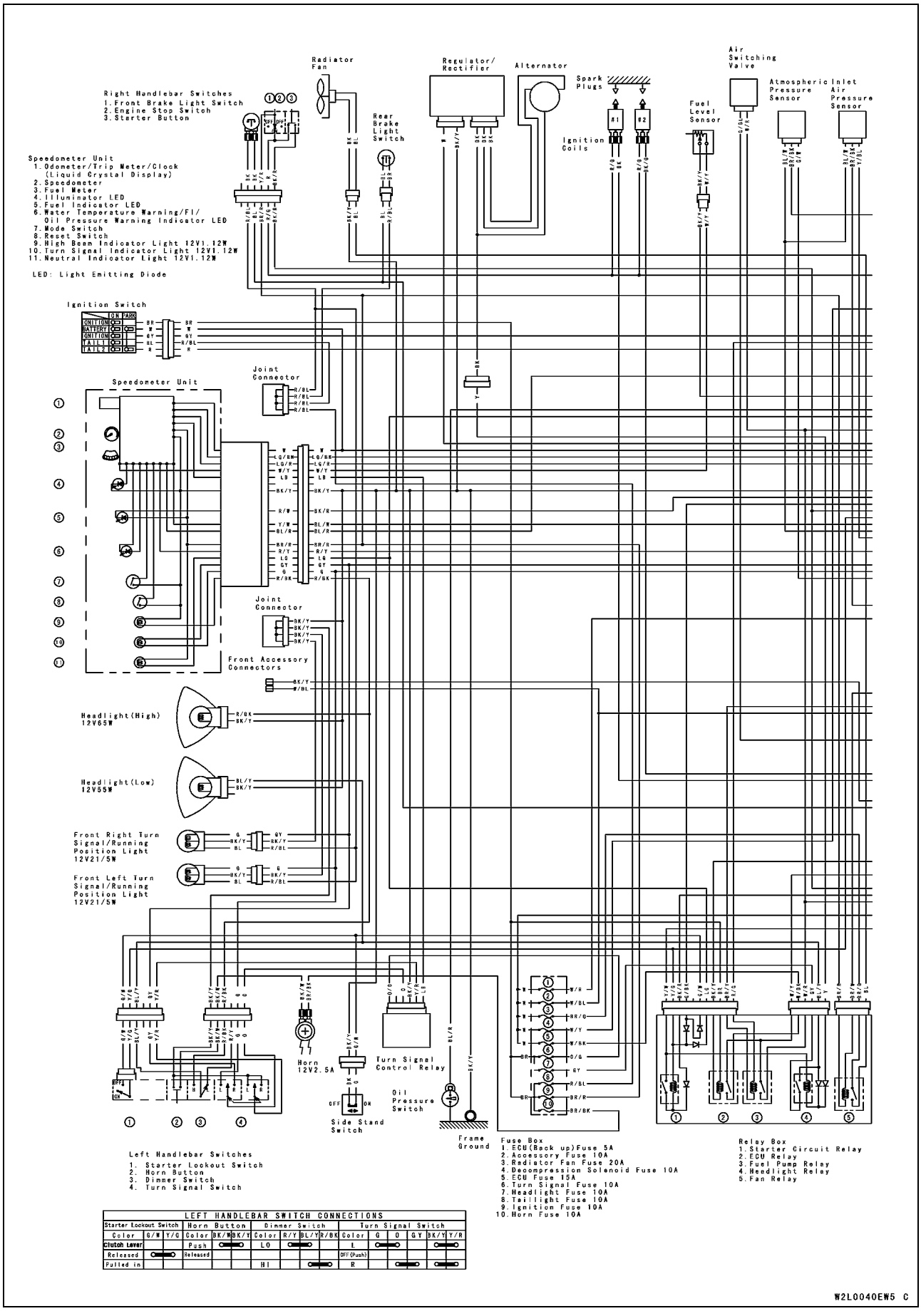
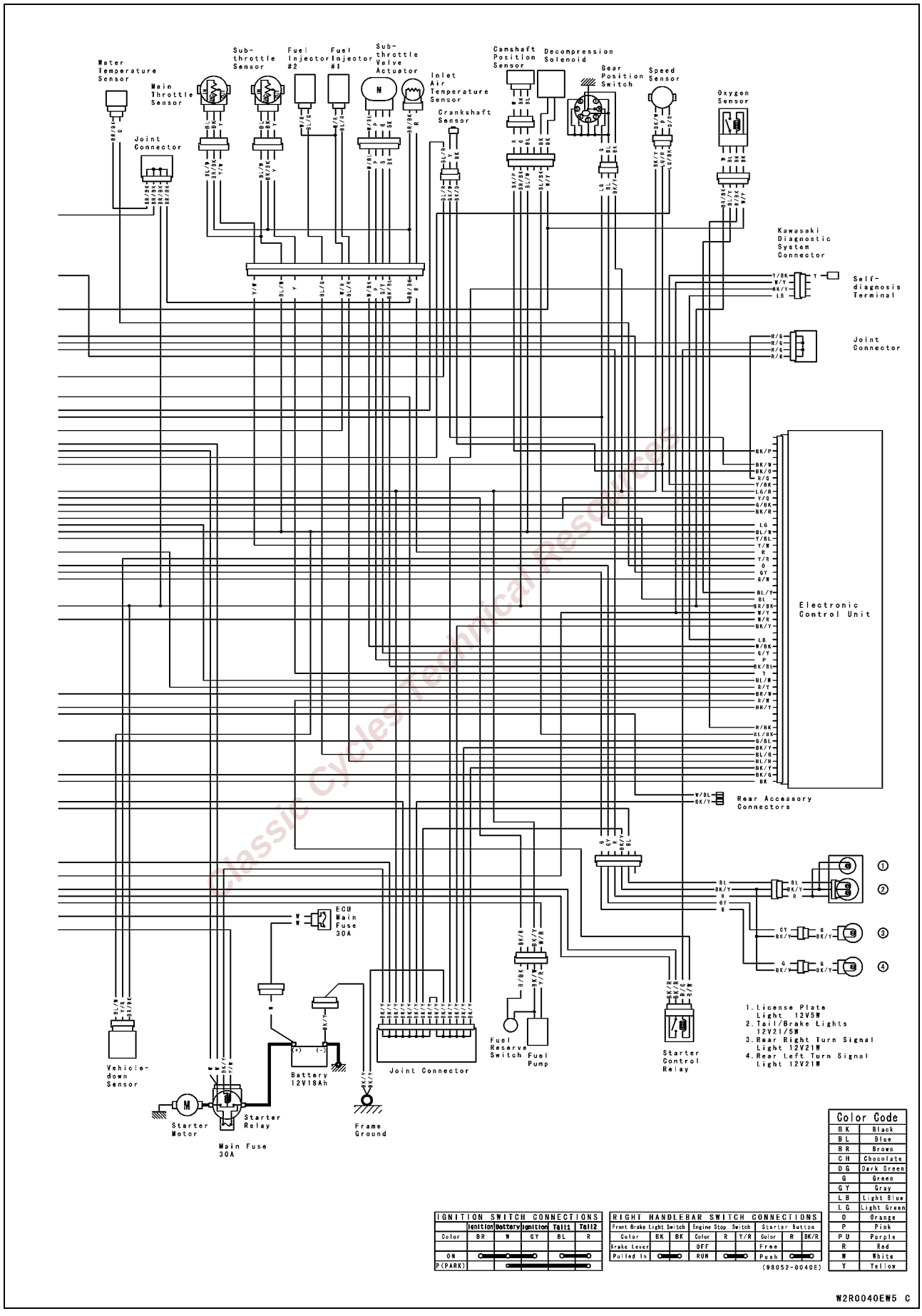
Wiring Diagram
(California)



LEFT HANDLEBAR SWITCH CONNECTIONS

Starter Lockout Switch			Horn Button			Dimmer Switch				Turn Signal Switch				
Color	G/W	Y/G	Color	BK/W	BK/Y	Color	R/Y	BL/Y	R/BK	Color	G	O	GY	BK/Y	Y/R
Clutch Lever			Push			LO				L				
Released			Released							OFF (Push)				
Pulled in						HI				R				

Wiring Diagram (California)



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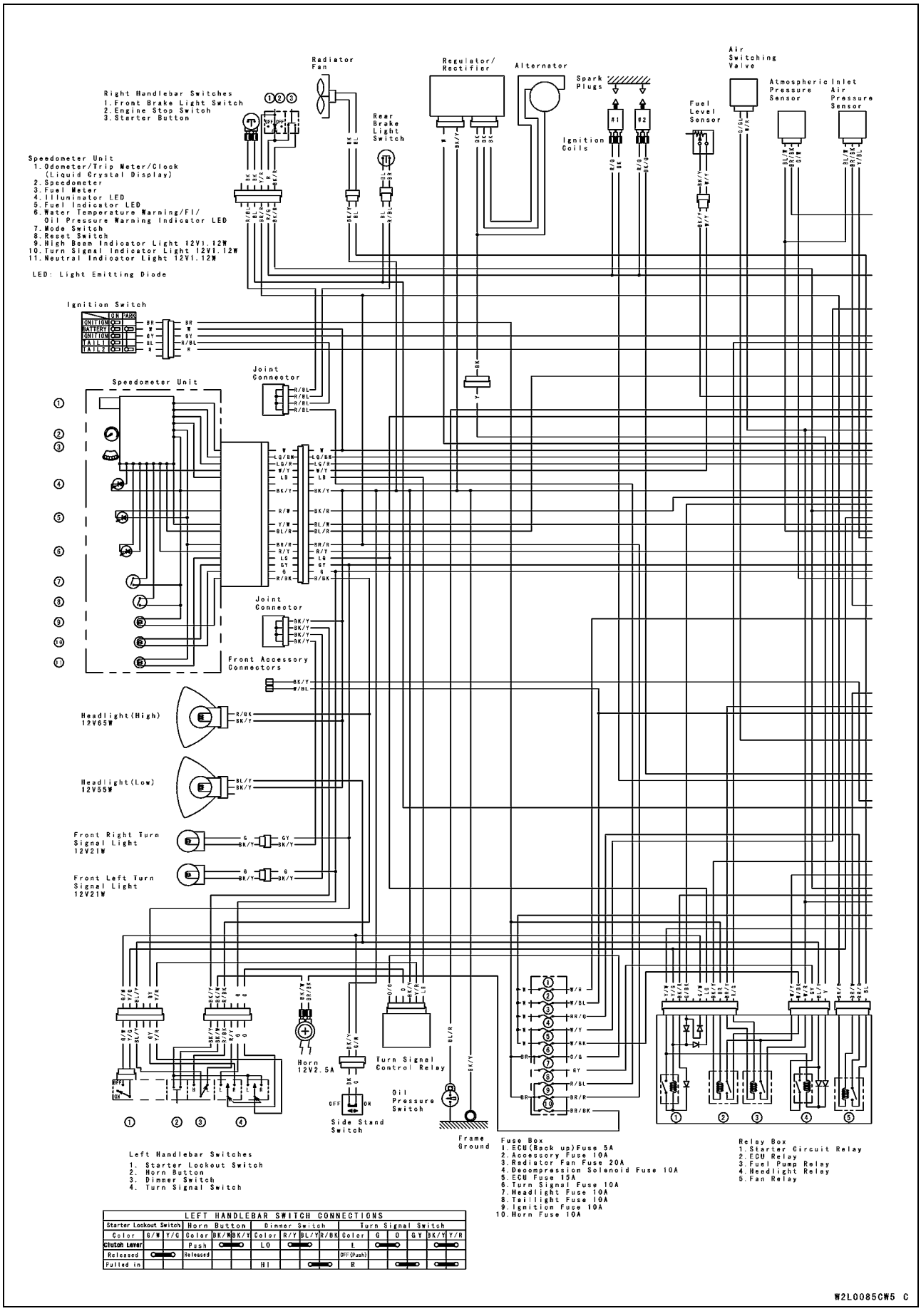
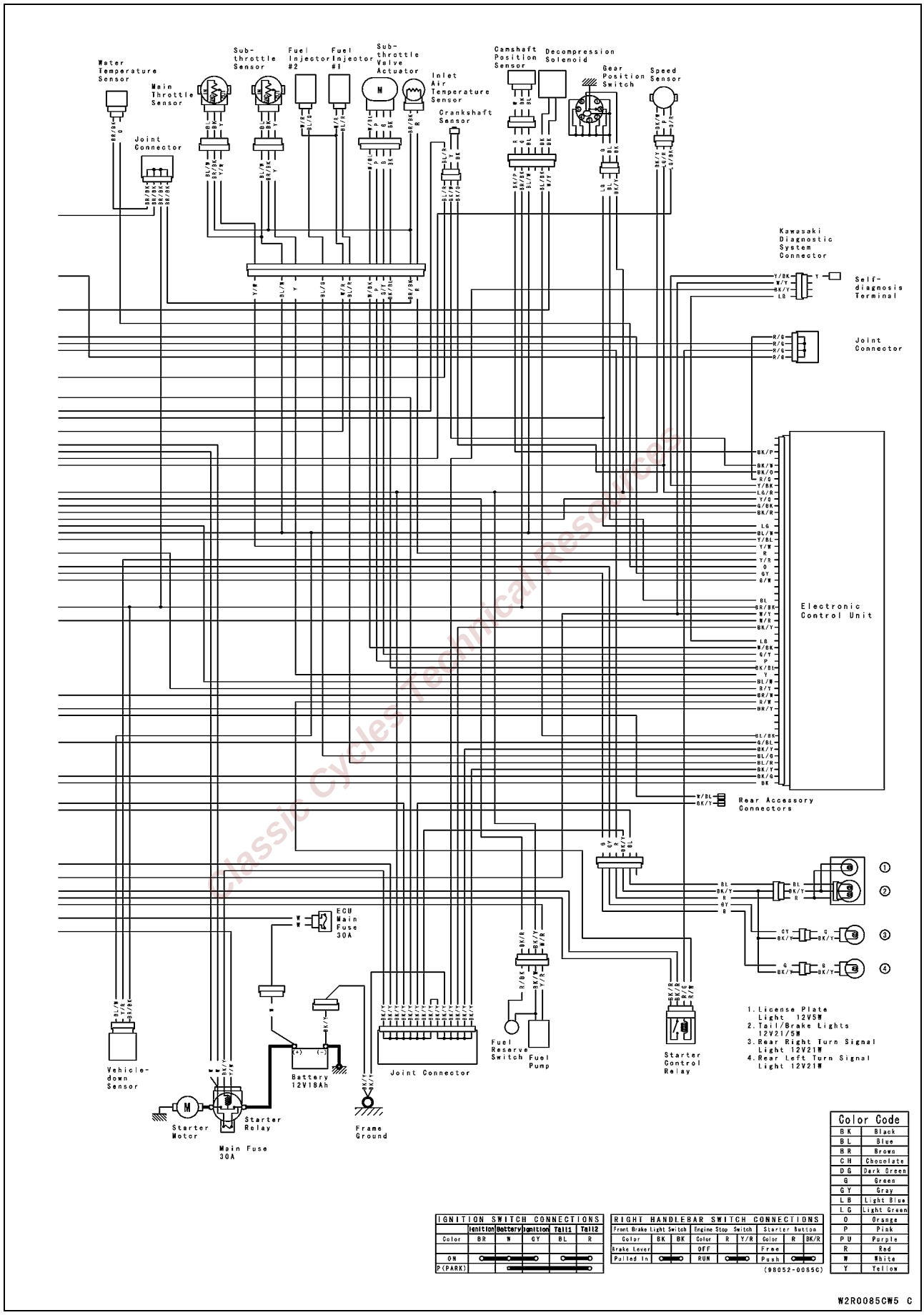
Wiring Diagram (Australia and Malaysia)



LEFT HANDLEBAR SWITCH CONNECTIONS

Starter Lockout Switch			Horn Button			Dimmer Switch				Turn Signal Switch				
Color	G/W	Y/G	Color	BK/W	BK/Y	Color	R/Y	BL/Y	R/BK	Color	G	O	GY	BK/Y	Y/R
Clutch Lever			Push			LO				L				
Released			Released							OFF (Push)				
Pulled in						HI				R				

Wiring Diagram (Australia and Malaysia)



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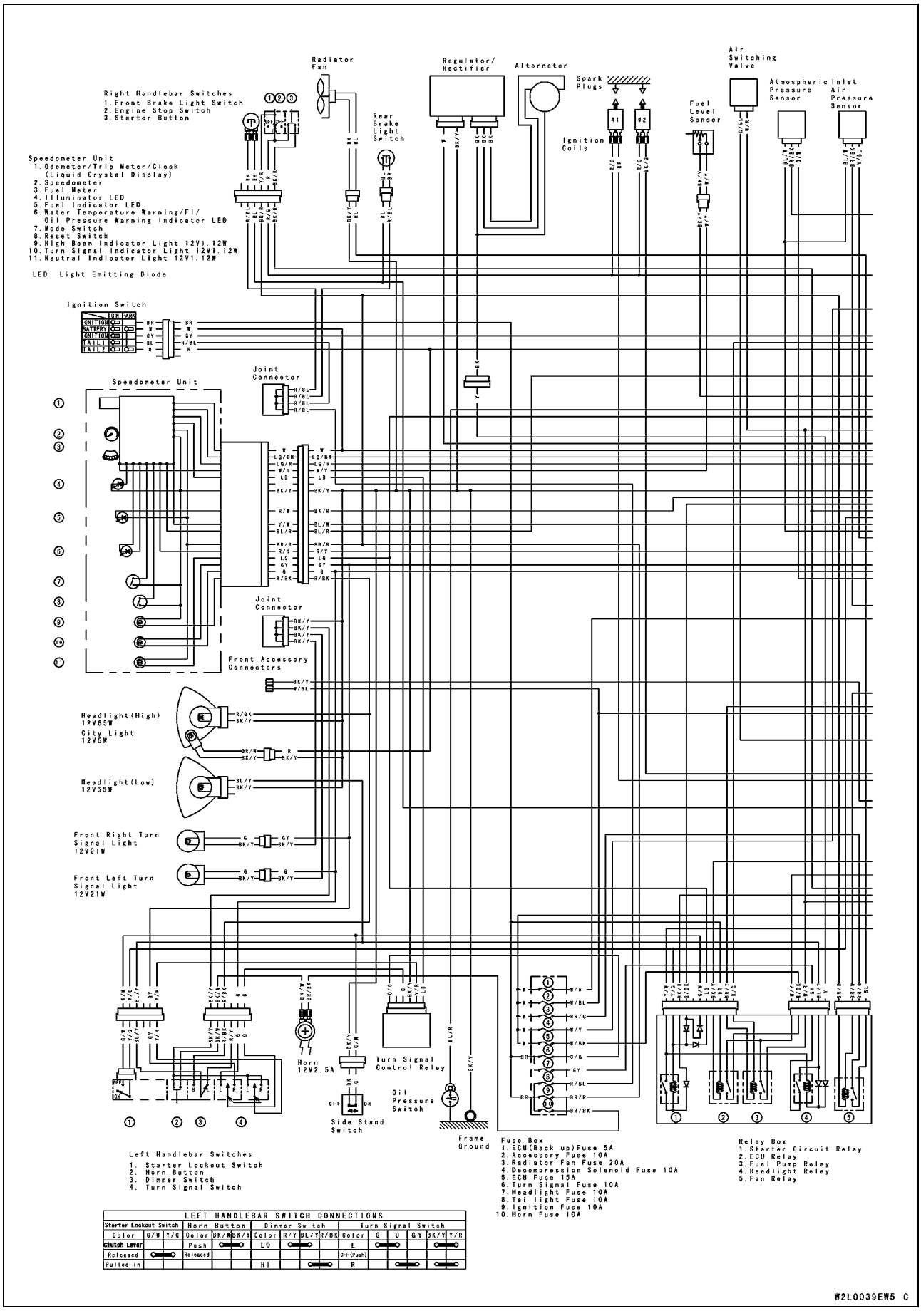
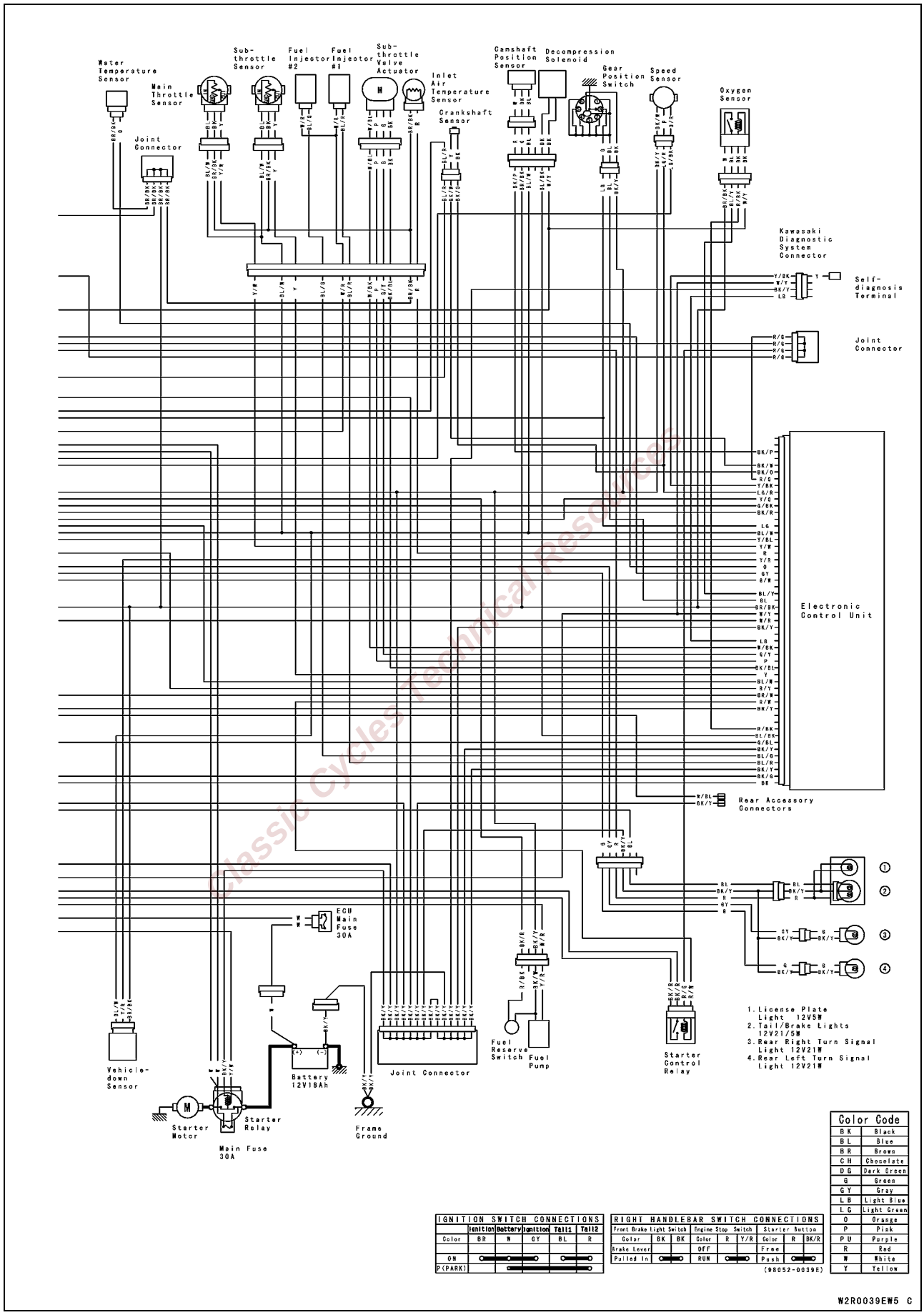
Wiring Diagram (Other than United States, Canada, Australia and Malaysia)



LEFT HANDLEBAR SWITCH CONNECTIONS

Starter Lockout Switch			Horn Button			Dimmer Switch				Turn Signal Switch				
Color	G/W	Y/G	Color	BK/W	BK/Y	Color	R/Y	BL/Y	R/BK	Color	G	O	GY	BK/Y	Y/R
Clutch Lever			Push			LO				L				
Released			Released							OFF (Push)				
Pulled in						HI				R				

Wiring Diagram (Other than United States, Canada, Australia and Malaysia)



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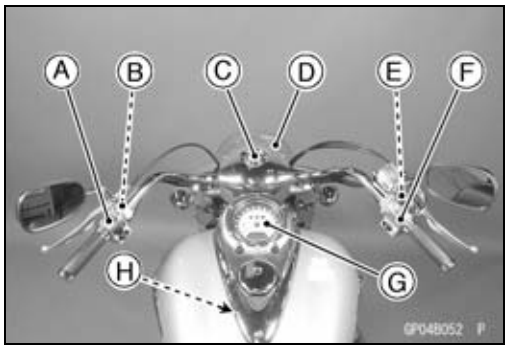
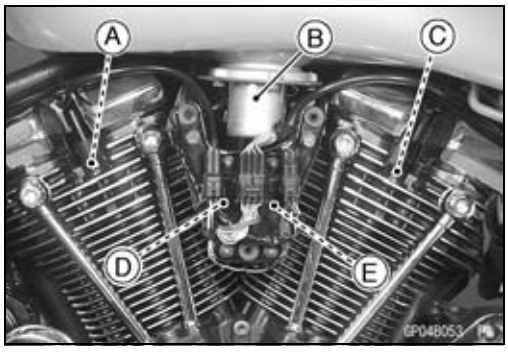
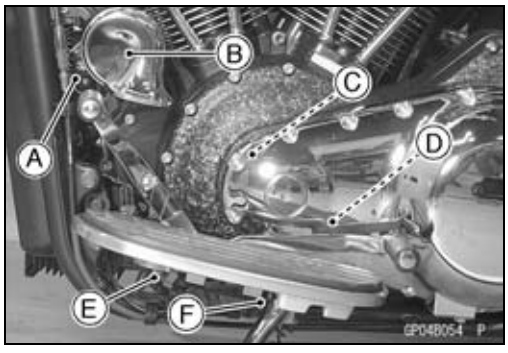
Left Handlebar Switches [A]
Starter Lockout Switch [B]
Ignition Switch [C]
Headlight [D]
Front Brake Light Switch [E]
Right Handlebar Switches [F]
Meter Unit [G]
Fuel Level Sensor [H]



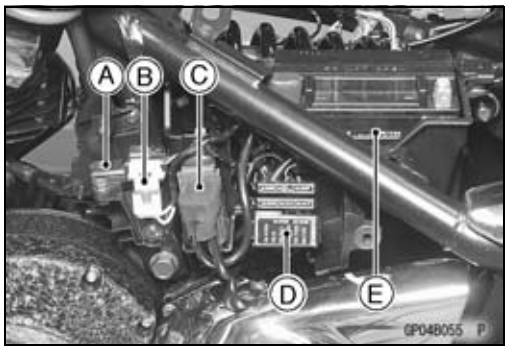
Spark Plug [A] (Front)
Fuel Pump [B]
Spark Plug [C] (Rear)
Ignition Coil [D] (Front)
Ignition Coil [E] (Rear)



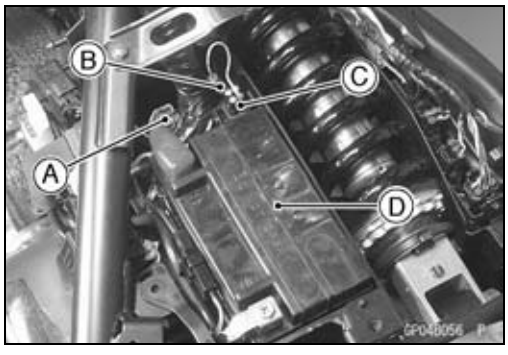
Radiator Fan [A]
Horn [B]
Alternator [C]
Crankshaft Sensor [D]
Oil Pressure Switch [E]
Side Stand Switch [F]



Atmospheric Pressure Sensor [A]
ECU Fuse 30 A [B]
Starter Relay and Main Fuse 30 A [C]
Fuse Box [D]
Battery [E]

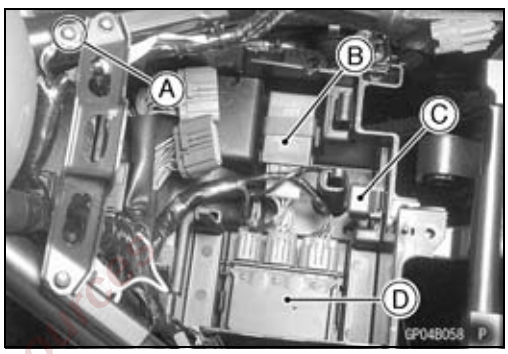


Vehicle-down Sensor [A]
Self-diagnosis Terminal [B]
Kawasaki Diagnostic System Connector [C]
Battery [D]

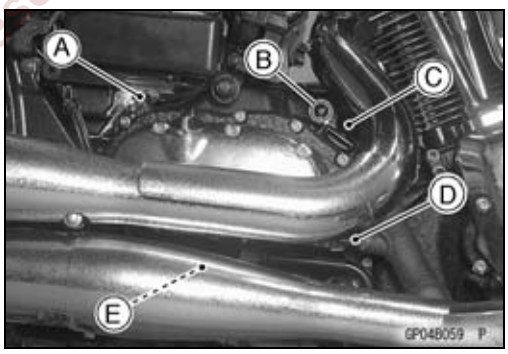


ECU (Electronic Control Unit) [A]

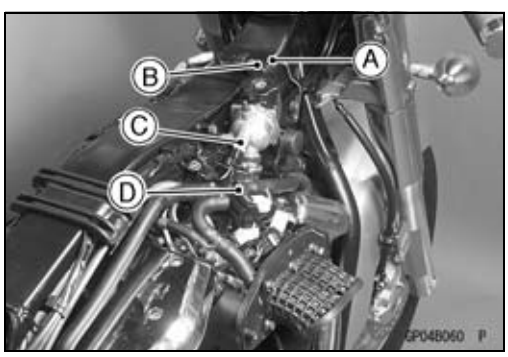
Frame Ground Terminal [A]
Turn Signal Control Relay [B]
Starter Control Relay [C]
Relay Box [D]



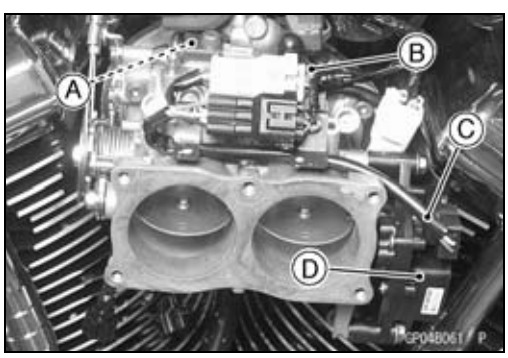
Speed Sensor [A]
Engine Ground Terminal [B]
Starter Motor [C]
Oxygen Sensor [D]
Gear Position Switch [E]



Frame Ground Terminal [A]
Inlet Air Pressure Sensor [B]
Water Temperature Sensor [C]
Air Switching Valve [D]



#2 Injector [A] (Rear)
#1 Injector [B] (Front)
Sub Throttle Sensor [C]
Sub Throttle Sensor Actuator [D]



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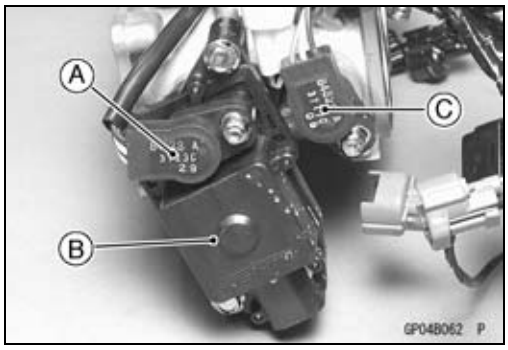
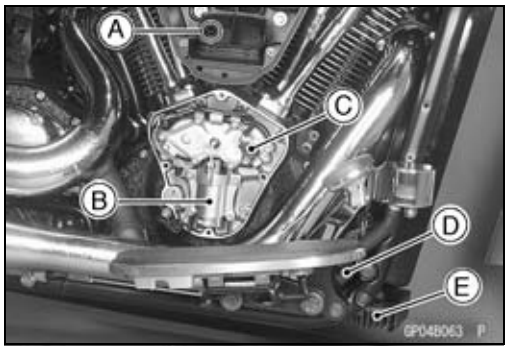
Sub Throttle Sensor [A]
Sub Throttle Sensor Actuator [B]
Main Throttle Sensor [C]



Inlet Air Temperature Sensor [A]
Decompression Solenoid [B]
Camshaft Position Sensor [C]
Rear Brake Light Switch [D]
Regulator/Rectifier [E]



Servicing Precautions

There are a number of important precautions that should be followed servicing electrical systems.

○Do not reverse the battery cable connections. This will burn out the diodes on the electrical parts.

○Always check battery condition before condemning other parts of an electrical system. A fully charged battery is a must for conducting accurate electrical system tests.

○The electrical parts should never be struck sharply, as with a hammer, or allowed to fall on a hard surface. Such a shock to the parts can damage them.

○To prevent damage to electrical parts, do not disconnect the battery leads or any other electrical connections when the ignition switch is on, or while the engine is running.

○Because of the large amount of current, never keep the starter button pushed when the starter motor will not turn over, or the current may burn out the starter motor windings.

○Do not use a meter illumination bulb rated for other than voltage or wattage specified in the wiring diagram, as the meter or gauge panel could be warped by excessive heat radiated from the bulb.

○Take care not to short the leads that are directly connected to the battery positive (+) terminal to the chassis ground.

○Troubles may involve one or in some cases all items. Never replace a defective part without determining what CAUSED the failure. If the failure was caused by some other item or items, they too must be repaired or replaced, or the new replacement will soon fail again.

○Make sure all connectors in the circuit are clean and tight, and examine wires for signs of burning, fraying, etc. Poor wires and bad connections will affect electrical system operation.

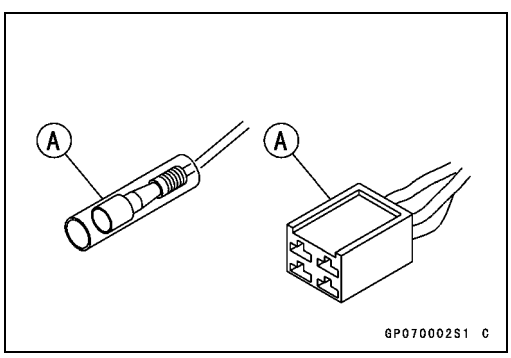
○Measure coil and winding resistance when the part is cold (at room temperature).

○Wire Color Codes:

BK: Black	G: Green	P: Pink
BL: Blue	GY: Gray	PU: Purple
BR: Brown	LB: Light blue	R: Red
CH: Chocolate	LG: Light green	W: White
DG: Dark green	O: Orange	Y: Yellow

○Electrical Connectors

Female Connectors [A]



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