

4/5/2012						
<b>BA VTR Auxiliary Electrical Power Wiring/Fuse Schedule</b>						
<b>Circuit</b>	<b>Source</b>	<b>Wire Color</b>	<b>Wire Gauge</b>	<b>Fuse Amps</b>	<b>Fuse Type</b>	<b>Notes</b>
Voltage Regulator-Rectifier	Alternator	Yellow	14	NA	NA	OE wires <14 ga / Waterproof connector
Battery Power Positive	VR-R	Red	12	30	Reg	Waterproof connector +/-
Battery Power Negative	VR-R	Black	12	NA	NA	
Battery Ground	Crank Case (Rr)	Black	8	NA	NA	
OE Main Fuse To Battery	Battery	Red	8	30	Reg	
Auxiliary Power Buss Bar (APBB) Positive	Battery	Red	12	10	Mini	Located under saddle / Unit with negative side
Auxiliary Power Buss Bar (APBB) Negative	Battery	Black	12	NA	NA	
Front Relayed Power Buss (FRPB)	Conn. 9P Mini R located at right front fairing bracket	Black/Red to Relay & Red to FRPP	16 to 18	5	Reg	Located under steering head (SH) Serves all handlebar switches & VM
Front Negative Ground Buss (FNGB)	Right Front Frame	Black	10	NA	NA	Located under SH / For Relays, Switches & VM
Volt Meter Positive (VM)	FRPB	Red	18	None	NA	Polarized Quick Disconnect Plug (PQDP) Mounted on Left Fairing
Volt Meter Negative (VM)	FNGB	Black	18	NA	NA	Same PQDP
Coaxial Power Plug (Left Center) Positive	Battery	Black	16	10	Reg	Ribbed Wire
Coaxial Power Plug (Left Center) Negative	Battery	Black	16	NA	NA	
Alarm Positive	APBB	Red	20	10	Reg	
Alarm Negative	APBB	Black	20	NA	NA	
BA Head Light System (BAHLS) Positive	Battery	Orange to Red	12	15	Mini	
BA Head Light System (BAHLS) Negative	Battery	Black	12	NA	NA	
OE Head Light Positive	Fuse Box	Black/Red	18	10	Mini	Switched positive for BAHLS relays
Driving Lights (DL) Positive	Battery	Blue	12	10	Mini	12 ga wire from Battery to relay & 14 ga wire from relay to 18 ga wire PQDP to each DL
Driving Lights (DL) Negative	Left Front Frame	Black	12 Y'd to 14	NA	NA	
Heated Grips Positive	Main Fuse Block	Red/White to White	14 to 20	5 or 7.5	Reg	Was OE VR-R Positive To Main Fuse / PQDP
Heated Grips Negative	FNGB	Black	18 to 20	NA	NA	Same PQDP
Radar Detector Positive	Instrument Cluster	Red	18	3	Reg	PQDP
Radar Detector Negative	Instrument Cluster	Black	18	NA	NA	Same PQDP
LED Auxiliary Brake Light Positive	Brake Light Wire	Green/White to Red	20 to 24	10	Mini	Licence Plate Frame OE Fuse located in Fuse Box / Y-Bullet Connector
LED Auxiliary Tail Light Positive	Tail Light Wire	Green to Black	20 to 24	None	NA	Licence Plate Frame / Y-Bullet Connector
LED Auxiliary Brake Light Negative	Was OE VR-R Ground	Brown to White	14 to 24	NA	NA	Licence Plate Frame
Unused Ground	Not Connected	Green	12	NA	NA	Not Connected / Runs from Battery to SH
Relayed Auxiliary Brake Light (2-Pos & 1-Grd)	Not Connected	2-red & 1-Black	18	5	Reg	Not Connected / Runs from Battery to "tail"
Unused Positive - Female Bullet Plug	Ignition Switch	Red/Black	None	None		Tapped into loom by Fuse Box