



Testing procedure for Yamaha Stator's

If you are experiencing charging or ignition problems with your PWC, your stator might be failing. The following guidelines are basic procedures for testing your stator. Testing involves the measuring of resistance, which is measured in Ohms, across different coils in the stator.

To perform the test a multi meter will be needed and access to the wire harness coming from the stator. Set your multi meter to the resistance or Ohm setting designated by the omega symbol Ω . First, check the multi meter by touching the two leads together and be sure that the meter displays zero resistance. Then, separate the leads and the meter should display infinite resistance.

Next, identify the part number of the stator for your particular application and compare it to the chart below. Measure the resistance between the wire colors listed and mark down the readings for comparison to the chart.

Note: be sure not to touch the probes with your fingers because it will distort the measurement.

Note: resistance readings in copper increase in proportion to temperature increase.



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SBT Code: 14-401 OEM#: 6R8-85560-00-00			
Wire 1		Wire 2	Acceptable Range
Brown/White	to	Black	328.5 - 401.5 ohm
White/Red	to	Black	12.6 - 15.4 ohm
Green	to	Green	.81 - .99 ohm

SBT Code: 14-406 OEM#: 66E-85510-00-00			
Wire 1		Wire 2	Acceptable Range
Green	to	Green	1.14 - 1.40 ohm
White/Red	to	White/Black	445.5 - 544.5 ohm
Brown	to	Blue	298.8 - 365.2 ohm

SBT Code: 14-402 OEM#: 6R8-85560-10-00			
Wire 1		Wire 2	Acceptable Range
Black	to	Ground	
Green	to	Green	1.14 - 1.40 ohm
Brown/White	to	ground	497.7 - 608.3 ohm
White/Red	to	ground	12.6 - 15.4 ohm

SBT Code: 14-407 OEM#: 66V-85510-00-00			
Wire 1		Wire 2	Acceptable Range
Green	to	Green	0.49 - .59 ohm
White/Red	to	Black/Orange	445 - 545 ohm
Black	to	ground	

SBT Code: 14-403 OEM#: 64X-85521-01-00			
Wire 1		Wire 2	Acceptable Range
Green	to	Green	1.14 - 1.40 ohm
White/Black	to	White/Red	445.5 - 544.5 ohm
Blue	to	Brown	316.8 - 387.2 ohm

SBT Code: 14-408 OEM#: 60E-81410-01-00			
Wire 1		Wire 2	Acceptable Range
Green	to	Green	0.54 - 0.66 ohm
White	to	Black	459 - 561 ohm
Red	to	Black	459 - 561 ohm

SBT Code: 14-404 OEM#: 63N-85510-00-00			
Wire 1		Wire 2	Acceptable Range
Green	to	Green	.56 - .84 ohm
Black/Red	to	Brown	172 - 258 ohm
Black/Red	to	Blue	.656 - .984 ohm

SBT Code: 14-410 OEM#: 6D3-81410-01-00			
Wire 1		Wire 2	Acceptable Range
Green	to	Green	0.23 - 0.29 ohm
White	to	Black	459 - 561 ohm

SBT Code: 14-405 OEM#: 65U-85510-01-00			
Wire 1		Wire 2	Acceptable Range
Green	to	Green	.56 - .84 ohm
Black/Red	to	Brown	172.0 - 258.0 ohm
Black/Red	to	Blue	.656 - .984