



Testing procedure for Polaris Stators

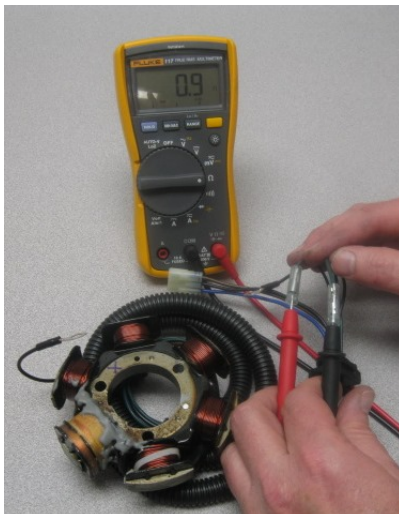
If you are experiencing charging or ignition problems with your PWC, your stator might be failing. The following guidelines are basic procedures for testing your stator. Testing involves the measuring of resistance, which is measured in Ohms, across different coils in the stator.

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.



SBT, Inc.

1401 N Myrtle Avenue Clearwater, FL 33755

1.877.330.0231



SBT Code# 14-301 OEM # 3240202			
Wire 1		Wire 2	Polaris specification
red/purple	to	yellow	0.54 - 0.66 ohm
white/yellow	to	black	220 ohm
blue/red	to	red/white	90 ohm
red/white	to	green/red	490 ohm
SBT Code# 14-302 OEM # 2873022			
Wire 1		Wire 2	Polaris specification
black	to	purple	5.5 ohm
yellow	to	red/purple	.75 ohm
red	to	ground	open
green	to	ground	open
gray	to	ground	open
red	to	gray	open
green	to	gray	open
brown	to	gray	+ 100 k
SBT Code# 14-303 OEM# 3240270			
Wire 1		Wire 2	Polaris specification
red/purple	to	yellow	.6 ohm
red/purple	to	black	open
white/yellow	to	black	220 ohm
blue/red	to	red/white	90 ohm
red/white	to	black	open
red/white	to	green/red	490 ohm
SBT Code# 14-308 OEM# 4010320			
Wire 1		Wire 2	Polaris specification
brown	to	brown/white	0.1 ~ 0.3 ohms
brown/black	to	brown/yellow	0.1 ~ 0.3 ohms
yellow/blue	to	yellow	0.3 ~ 0.5 ohms
yellow/purple	to	yellow/black	0.3 ~ 0.5 ohms
yellow/green	to	yellow/gray	0.3 ~ 0.5 ohms
SBT Code# 14-305 OEM# 4010403			
Wire 1		Wire 2	Polaris specification
red/purple	to	yellow	0.75 ohm
black	to	purple	5.5 ohm
black	to	ground	0.0 ohm
red	to	ground	open
green	to	ground	open
gray	to	ground	open
blue	to	ground	open

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SBT Code# 14-307 OEM# 4010170			
Wire 1		Wire 2	Polaris specification
red/purple	to	yellow	0.75 ohm
black	to	purple	5.5 ohm
black	to	ground	0.0 ohm
red	to	ground	open
green	to	ground	open
gray	to	ground	open
blue	to	ground	open

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