Testing The Oxygen Sensor On The Kaw 16 HP		
Test with sensor disconnected from engine		
White wire	Black wire	Gray & White wires
NA	Open	Shorted
Open	NA	Open
Shorted	Open	NA
Measure voltage of sensor with engine hot and running. Sensor should connected to engine.		
Red/Yellow wire	Blue/Yellow wire	Black/Yellow wire
NA	12 to 14 volts	12 to 14 volts
12 to 14 volts	ΝΑ	.050 to .060 Volts (See Note Below)
12 to 14 volts	.050 to .060 Volts (See Note Below)	NA
The Oxygen Sensor's voltage will vary from 0.0 to 0.110 volts between the Blue/Yellow and Black/yellow wires during warm-up. Depending on rich or lean conditions. The Msces unit controls fuel mixture which affects the voltage output of the sensor. The Msces strives to maintain voltage at 0.055 volts. Voltage will fluctuate between 0.050 to 0.060 volts under normal conditions. Most msces must be able to adjust the mixture before 90 seconds or engine will be shut down. The msces will shut off the fuel lock out solenoid,cutting off fuel to engine. Some units will vary from 60 to 120 seconds. The heater function in the oxygen sensor is critical in order for proper warm up to occur. Short between the pin with white and black wires to the pin with the single white wire is essential on test A. If these test open the heater has failed. Replace the sensor. If no voltage is present after engine warms up between the blue/yellow and the black/yellow wires on test B, replace the oxygen sensor.		
IT 12 to 14 voits is not present across the red/yellow and black/yellow, check connections between msces and oxygen sensor,		
	Test with se White wire NA Open Shorted of sensor with engin Red/Yellow wire NA 12 to 14 volts 12 to 14 volts om 0.0 to 0.110 volt s unit controls fuel r will fluctuate betwee or engine will be sh 120 seconds. The e and black wires to no voltage is prese test B, r oss the red/yellow a going to msces	Ing The Oxygen Sensor On The Kaw 16 Test with sensor disconnected from engine White wire Black wire NA Open Open NA Shorted Open of sensor with engine hot and running. Sensor should conn Red/Yellow wire Blue/Yellow wire NA 12 to 14 volts 12 to 14 volts NA 12 to 14 volts .050 to .060 Volts (See Note Below) om 0.0 to 0.110 volts between the Blue/Yellow and Black/yes sunit controls fuel mixture which affects the voltage output will fluctuate between 0.050 to 0.060 volts under normal co or engine will be shut down. The msces will shut off the fuel 0 120 seconds. The heater function in the oxygen sensor is e and black wires to the pin with the single white wire is ess no voltage is present after engine warms up between the bl test B, replace the oxygen sensor. oss the red/yellow and black/yellow, check connections betw going to msces, and battery voltage (12 volts min).