

## Polaris Sportsman 400 & 500 - 2003~2004

### Parts list for Kit MCS2160 (uses vehicle's original speedometer speed sensor)

### & Kit MCS 2160S (with optional MCS2160DTS drive train speed sensor)

<u>Item</u>	<u>Qty</u>	<u>Part Number</u>	<u>Description</u>	
1	1	MCS 2160C	Computer	
2	1	MCS 001	Foam mounting block	
	4		8G x 3/8 self tap screws (option instead of foam mounting block)	
		<u>MCS 2112</u>	<u>Electric actuator assembly</u>	
3	1	MCS 810	Electric actuator (throttle servo)	
4	1	MCS 2112A	Actuator bracket	
	3		M6 x 10 pan head screw	
	3		6mm spring washer	
5	2	MCS 815	Actuator mount plate	
6	2	F20018	M6 guard clip	
7	2	W550	M6 x 20mm bolt and flat washer	
8	1	MCSAC850	Actuator cable	
9	1	MCS 2111A	Wiring loom	
a			Computer plug (26 way)	
b			Cruise control power fuse (5 amp)	
c			Spray power control relay	
d			ETC disable relay	
e			Actuator plug (4 way plug)	
f			Electronic neutral switch plug (4 way plug)	
g			Ground connector (brown wire, connect to battery - ve)	
h			Spray power fuse (10 amp)	
i			Spray power connector (red wire, connect to battery +ve)	
j			Spray power outlet plug (yellow & brown wires)	
k			Speed sensor plug (three way plug)	
l			Control switch plug (six and three way plugs)	
m			Power and brake sensor connectors (red/white and orange wires)	
n			ETC connectors (black wires)	
o			Neutral sensor connector (green/white wire)	
10	1	MCS 2113	Electronic Neutral Switch	
	2	MCS048E	Double sided adhesive pad	
		<u>OPTIONAL</u>	<u>MCS 1351A</u>	<u>Speedometer connection kit (only with MCS2160 kit)</u>
11	1	MCS 1351B	Speedometer sensor loom	
12	2	H2590	4.8mm QC spade receptacle (one spare for mistakes)	
13	1	H2088	Pre-fit insulator for above	
		<u>OPTIONAL</u>	<u>MCS 2160DTS</u>	<u>Drive train speed sensor assembly (only with MCS2160S kit)</u>
14	1	MCS 076	Speed sensor	
15	1	MCS 2164A	Sensor mount bracket	
16	1		M6 x 20 bolt	
17	6		6mm flat washer (for sensor gap adjustment)	
18	1		M6 Nyloc nut	
19	2	MCS 2169A	Tone wheel segment	
20	4		8mm flat washer	
21	4		5/16UNC x 1/2" bolt	
22	2		M4 x 10 pan head screw	
23	4		4mm flat washer	

24	2		M4 Nyloc nut
25	1	MCS 191	Control switch assembly
26	1		¼ UNC x 1 ½” bolt
27	4		6mm flat washer
28	1	<u>MCS 2165</u>	<u>CIU assembly</u>
29	1	MCS 2165A	CIU body
30	1	MCS 003M	Actuator spool
31	1	MCS 2166	Carburettor spool
32	1	MCS 2166A	Throttle spool
33	1	MCS 003H	CIU pivot bush
34	1	MCS 003J	End cap
35	1		M5 X 45 bolt (pivot bolt)
36	2		5mm flat washer
37	1		M5 Nyloc nut
38	1		M4 x 6 pan head screw (actuator cable retainer)
39	1	MCS 2115B	CIU mount bracket
40	1	MCS 067	Slotted cable nipple
41	1	MCS 2168	Carburettor cable
42	1	JD 046	Spray power plug
	2		8g x 3/8” self tap screws
43	2	H 3555	Terminals for spray power plug
	3	H1972	6.3mm spade receptacle (one spare for mistakes)
	2	H1135	Pre-fit insulator for above
	3	H1192	6.3mm spade terminal (one spare for mistakes)
	2	H2805	Pre-fit insulator for above
	10		150mm cable ties
	10		200mm cable ties
	2		300mm cable ties
			Installation Instructions (including warranty sheet)
			Operating Instructions
			Trouble shooting guide

**Parts list drawing**



