

# BMW R1100RT

## Parts list for MCS 4100 kit

<u>Item</u>	<u>Qty</u>	<u>Part Number</u>	<u>Description</u>
1	1	MCSU 400C	Computer
2	1	MCS 001	Foam mounting block
		<u>MCS 4082</u>	<u>Vacuum actuator assembly</u>
3	1	MCS 574	Vacuum actuator
4	2	MCS 020B	Actuator mounting bracket (1 spare)
	3		6 gauge x 3/8" pan head self tap screw
5	1		M6 x 12 bolt
6	2		6mm flat washer
7	1		M6 Nyloc nut
		<u>MCS 4087</u>	<u>Vacuum hose assembly</u>
8	2	MCS 032	Vacuum stop valve
9	1	MCS 031	Vacuum 'T' connector 4mm Vacuum hose
10	1	MCSU 401	Wiring loom
a			Computer plug (26 pin)
b			Fuse holder (3 amp fuse)
c			Tach sensor wire (yellow wire)
d			Speed sensor connectors (co-axial wire)
e			Actuator plug (4 pin)
f			Power & brake sensor wires (orange and grey wires)
g			Ground connector (black wire)
h			Neutral sensor wire (blue wire)
i			Control switch plug (6 pin)
		<u>MCS 4104</u>	<u>Switch assembly</u>
11	1	MCS 820	Control Switch
12	1	MCS 4104A	Switch bracket
	4		4 gauge x 1/2" pan head self tap screw
	1		100mm cable tie
13	1		M8 x 40 bolt
14	1		8mm flat washer
15	1		M8 Nyloc nut
		<u>MCS 4105</u>	<u>Cable Interface Unit (CIU) assembly</u>
17	1	MCS 4105A	CIU housing
18	1	MCS 003F	Actuator spool
19	1	MCS 41066	Carburettor spool
20	1	MCS 4106A	Throttle spool
21	1	MCS 003H	Bush
22	1	MCS 003K	End Cap
23	1		M5 x 45 bolt (pivot bolt)
24	1		M5 Nyloc nut
25	2		5mm plated flat washer
26	1		M4 x 10 pan head screw (actuator cable retainer)
27	1	MCS 4085B	CIU mounting bracket

28	1		M8 x 16 bolt
29	2		8mm flat washer
30	1		M8 Nyloc nut
31	1	MCSU 427	Inner throttle cable (wire rope with barrel nipple)
32	2	MCSU 425-C	Throttle cable adjuster – coarse thread (M6 x 1)
33	2		M6 lock (thin) nut – coarse thread (M6 x 1)
34	1	MCSU 425-BMW	Throttle cable adjuster – fine thread (M6 x 0.75)
35	1	MCS 003W	Throttle cable retainer
36	3	MCS 054	Spring clip
37	2	MCSU 426A	Grub screw cable nipple
38	4		M4 x 4 socket set screw (grub screw)
39	4	BLP 250	Boot lace pin (2 spare)
	2		2mm short arm hex key
		<u>MCS4103</u>	<u>Speed sensor assembly</u>
40	1	MCS 4103A	Speed sensor bracket
41	1	MCS 027	Speed sensor
42	5		6mm flat washer
43	1		6mm dome nut
44	1		M5 x 16 pan head screw
45	1		5mm flat washer
	6	MCS 046	4.75mm dia x 4.75mm long magnet
	15		100mm cable ties
	15		150mm cable ties
	10		200mm cable ties
	6		300mm cable ties

Terminals for splice connections (power, tach sensor, clutch sensor)

12	H 1527	Splice terminal (small single)
20cm	HST3	Heat shrink tube
20cm	HST6	Heat shrink tube
6	H 2590	4.8mm QC receptacle terminal (tach sensor wire connector)
3	H 2088	Insulator for above
6	H 2571	4.8mm QC tab terminal (tach sensor wire connector)
3	H 2805	Insulator for above
2	H2833	Brake light sensor terminal (piggy back)
1	H1135	Insulator for above
1	M1625-2P	Brake switch connector 2way
3	H 9007	Pin terminals for above
1	M1625-2R	Brake switch connector 2 way
3	H 9008	Receptacle terminals for above
1	M1625-2P	Clutch switch connector 2way
3	H 9007	Pin terminals for above
1	M1625-2R	Clutch switch connector 2 way
3	H 9008	Receptacle terminals for above

3	H 2590	4.8mm QC receptacle (speed sensor connector)
2	H 2088	Insulator for above
8cm	HST 3	3mm heat shrink tube
8cm	HST 6	6mm heat shrink tube
2	H1863	6mm ring terminal (ground connection)
20	AMP 3-1447221-4	Computer plug terminals
2	AMP 4-1437284-3	Computer plug blanking plugs
5		Wire tap connectors ('Scotchlock' or 'Quick tap' connectors)

Information, Set up and Operation Manual  
 Operation and User Manual  
 Installation Manual  
 Trouble shooting guide

