

# BMW R1150RT

## Parts list for MCS 4080b 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	1	MCS 020B	Actuator mounting bracket
	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
The following two parts are for bikes fitted with Evaporative Emissions Carbon Canister ONLY			
	2	MCS 031	Vacuum 'T' connector
	2	MCS 052	Vacuum restrictor
10	1	MCS 4081	Wiring loom
a			Computer plug (26 pin)
b			Fuse holder (3 amp fuse)
c			Tach sensor wire & pigtail (yellow wire)
d			Speed sensor connectors (co-axial wire)
e			Actuator plug (4 pin)
f			Brake sensor wire (grey wire)
g			Power wire & pigtail (orange wire)
h			Ground connector (black wire)
i			Clutch sensor wire & pigtail (blue wire)
j			Control switch plug (6 pin)
		<u>MCS 4084</u>	<u>Switch assembly</u>
11	1	MCS 820	Control Switch
12	1	MCS 830F-SB	Switch bracket
	1	MCS 830Z	Switch back cover
	4		4 gauge x 1/2" stainless steel pan head self tap screw
	1		100mm cable tie
13	2		M4 x 20 stainless steel pan head metal thread screws
14	2		4mm stainless steel flat washer
		<u>MCS 4085</u>	<u>Cable Interface Unit (CIU) assembly</u>
15			
16	1	MCS 4085A	CIU housing
17	1	MCS 003M	Actuator spool
18	1	MCS 40866	Carburettor spool
19	1	MCS 4086A	Throttle spool
20	1	MCS 003H	Bush
21	1	MCS 003J	End Cap
22	1		M5 x 45 bolt (pivot bolt)

23	1		M5 Nyloc nut
24	2		5mm plated flat washer
25	1		M4 x 6 pan head screw (actuator cable retainer)
26	1	MCS 4085B	CIU mounting bracket
27	1		M8 x 16 bolt
28	2		8mm flat washer
29	1		M8 Nyloc nut
30	1	MCSU 427	Inner throttle cable (wire rope with barrel nipple)
31	2	MCSU 425-C	Throttle cable adjuster – coarse thread (M6 x 1)
32	2		M6 lock (thin) nut – coarse thread (M6 x 1)
33	1	MCSU 425-BMW	Throttle cable adjuster – fine thread (M6 x 0.75)
34	1	MCS 003W	Throttle cable retainer
35	3	MCS 054	Spring clip
36	2	MCSU 426A	Grub screw cable nipple
37	4		M4 x 4 socket set screw (grub screw)
38	4	BLP 250	Boot lace pin (2 spare)
	2		2mm short arm hex key
		<u>MCS4083</u>	<u>Speed sensor assembly</u>
39	1	MCS 4083A	Speed sensor bracket
40	1	MCS 027	Speed sensor
41	5		6mm flat washer
42	1		6mm dome nut
43	1		M5 x 12 pan head screw
44	1		5mm flat washer
	5	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

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

