

## BMW R1200GS from 2008 with LED tail/brake lights and ESA

### Parts list for MCS 4760 kit

<u>Item</u>	<u>Qty</u>	<u>Part Number</u>	<u>Description</u>
1	1	MCSU 400C	Computer
2	1	MCS 4769A	Computer mounting bracket
	15cm		Foam tape
3	4		M4 x 8 pan head screws
4	8		4mm flat washers
5	4		M4 Nylok nuts
		<u>MCS 4632</u>	<u>Vacuum actuator assembly</u>
6	1	MCS 574	Vacuum actuator
7	1	MCS 4632A	Actuator bracket
8	2	HoseClamp 12	Hose clamp 18~32 mm diameter
9	1	MCS 574D SB	top (solenoid) cover (satin black finish)
10	1	MCS 574E SB	bottom (diaphragm) cover (satin black finish)
11	1	MCS 574F	grommet
	3		6g x 1/2" self tap screw
	1		6g x 3/8" self tap screw
		<u>MCS 4637</u>	<u>Vacuum hose assembly</u>
12	2	MCS 032	Vacuum stop valve
13	1	MCS 031	Vacuum 'T' connector
14			4mm Vacuum hose
15	1	MCS 4761	Wiring harness
a			Computer plug (26 pin)
b			Fuse holder (3 amp fuse)
c			Tach sensor connector (yellow wire)
c1	1	MCS 4761 C	Tach sensor pigtail (yellow wire)
d			Speed sensor (co-axial wire)
e			Actuator plug (4 pin)
f			Brake resistor active (grey wires)
g			Brake resistor ground (black wire)
h			Brake sensor connector (grey wire)
h1	1	MCS 4761 H	Brake connector pigtail (grey wire)
i			Hydraulic brake light switch plug (2 pin)
j			Power connector (orange wire)
j1	1	MCS 4761 J	Power connector pigtail (orange wire)
k			Ground connector (black wire)
l			Control switch plug (6 pin)
m	1	MCS 100	Brake load resistor (connect to f & g)
16	1	MCS 558	Banjo bolt brake light pressure switch (M10 x 1)
17	2		10mm sealing washers
		<u>MCS 4354</u>	<u>Switch assembly</u>
18	1	MCS 820	Control Switch
19 a	1	MCS 830L	Standard switch bracket (MCS 4354A)
b	OR	MCS 830W	Medium switch bracket (MCS 4764A)
c	OR	MCS 830U	Tall switch bracket (MCS 4634A)

4			4 gauge x 1/2" stainless steel pan head self tap screw
1			100mm cable tie
20		<u>MCS 4595</u>	<u>Cable Interface Unit (CIU) assembly</u>
21	1	MCS 4355A	CIU housing
22	1	MCS 003M	Actuator spool
23	1	MCS 4356	Carburettor spool
24	1	MCS 4356A	Throttle spool
25	1	MCS 003H	Bush
26	1	MCS 003J	End Cap
27	1	MCS 4358	Throttle cable retainer
28	1		M6 x 25 button head cap screw
29	12		6mm flat washer
30	1		M5 x 50 bolt (pivot bolt)
31	1		M5 Nylok nut
32	6		5mm plated flat washer
33	1		M4 x 8 pan head screw (actuator cable retainer)
34	1	MCS 4595C	CIU mounting bracket
		<u>MCS 4353</u>	<u>Speed sensor assembly</u>
35	1	MCS 4353A	Speed sensor bracket
36	1	MCS 027	Speed sensor
37	3		6mm flat washer
38	1		6mm Nylok nut
39	1		M8 x 45 socket head cap screw
40	9		8mm flat washer (8mm x 16mm)
	7	MCS 043	4mm dia x 5mm long magnet (2 spares) (for bikes with new flat top disc mounting bolts)
	2	MCS 046	4.75mm dia x 4.75mm long magnet (for bikes with old style domed brake disc mounting bolts)
	2 ml		Throttle cable oil (Singer industrial sewing machine oil)
	15		100mm cable ties
	15		150mm cable ties
	10		200mm cable ties
	10		300mm cable ties

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

12	H 1527	Splice terminal (small single)
15cm	HST3	Heat shrink tube
15cm	HST6	Heat shrink tube

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

