

BMW G650GS from 2010 model year

Parts list for MCS 6180 ABS kit for bikes with ABS brakes

Parts list for MCS 6180 no ABS for without ABS brakes

<u>Item</u>	<u>Qty</u>	<u>Part Number</u>	<u>Description</u>
1	1	MCSU 400C	P18 Computer (aluminium enclosure)
<u>OR</u>			
	1	MCS 8000C	P24 Computer – not shown in the diagram (black plastic enclosure)
2	2 lengths		Velcro mounting tape (2 x 8cm)
		<u>MCS 6182</u>	<u>Electric Throttle Servo assembly</u>
3	1	MCS 850	Electric Throttle Servo
4	1	MCS 850C	Servo nose
5	3		M4 x 12 pan head screws
6	1		3/4" x 3/32" (19 x 3mm) 'O' ring
7	1	MCS 850B	Cable sealing boot
8	2	MCS 054	Wire ring cable retainer (1 spare)
9	1	MCS 6182A	Servo mounting bracket
10	12cm		Velcro strip
11	2	HoseClamp24	Hose clamp 27~51mm
12	1		6 x 12mm flat washer
13	1	MCSSC 580	Throttle servo cable
		<u>MCS 6184</u>	<u>Control Switch assembly</u>
14	1	MCS 820-160cm	Control Switch
15	1	MCS 830L	Switch bracket
4			4 gauge x 1/2" pan head self tap screw
16	1	<u>MCS 6181 P18 or P24</u>	<u>Wiring harness (ABS bikes only)</u>
<u>OR</u>	1	<u>MCS 6181-027 P18 or P24</u>	<u>Wiring harness (non ABS bikes only)</u>
a			Computer plug (26 pin)
b			Fuse holder (3 amp fuse)
c			Tach sensor (yellow wire)
c1	1	MCS 6181 C	Tach sensor pigtail (yellow wire)
d			Speed sensor (3 pin - pink/bk, blue/bk, black) (ABS)
			Speed sensor (spade terminals - blue and black wires (non ABS))
e			Throttle servo plug (4 pin)
f			Power & brake sensor (orange and grey wires)
g			Ground connector (black wire)
h			Neutral sensor (blue wire)
i			Control switch plug (6 pin)
		<u>MCS 6185</u>	<u>Cable Interface Unit (CIU) assembly</u>
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18	1	MCS 6185A	CIU housing
19	1	MCS 003M	Actuator spool
20	1	MCS 6186	Carburettor spool
21	1	MCS 6186A	Throttle spool
22	1	MCS 003H	Bush
23	1	MCS 003K	End Cap
24	1		M5 x 45 pivot bolt
25	2		5mm plated flat washer

26	1		M5 Nyloc nut
27	1		M4 x 6 pan head screw (actuator cable retainer)
28	1	MCS 6185B	Mounting bracket
29	1		6 x 19mm flat washer
<u>MCS 6183 Speed Sensor assembly</u>			
30	1	MCS 076	Active (Hall Effect) speed sensor (for ABS brakes)
OR	1	MCS 027	Passive speed sensor (non ABS)
	2		6mm flat washers (non ABS)
	1		M6 Nyloc nut (non ABS)
31	1	MCS 6183A	Speed sensor bracket (ABS)
OR	1	MCS 6183A-027	Speed sensor bracket (non ABS)
32	1		M6 x 16mm bolt (ABS)
33	2		6mm flat washer (ABS)
34	1		M6 Nyloc nut (ABS)
35	2		M6 x 8mm bolt (All)
36	2		6 x 19mm flat washers (All)
	12	MCS 042	4.75mm dia x 1.5mm thick magnets (non ABS only)
37	1	MCSCC 250	Carburettor cable
	6cm		3mm heat shrink tube (tach sensor connection)
	6cm		6mm heat shrink tube (tach sensor connection)
	8cm		12mm heat shrink tube (brake switch connection)
	4		Splice terminals
	10		100mm cable ties
	10		150mm cable ties
	10		300mm cable ties
	1 bottle		Throttle cable oil (Singer industrial sewing machine oil)

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

