| A40 | ADC control module | | | |
|---------|---|--|--|--|
| A16 | ABS control module | | | |
| B138 | Accelerator pedal position (APP) sensor | | | |
| G1 | Alternator | | | |
| 31 | Battery - | | | |
| 30 | Battery + | | | |
| B233 | Battery condition sensor | | | |
| S13 | Brake pedal position (BPP) switch | | | |
| Y183 | Camshaft position (CMP) actuator, exhaust | | | |
| Y182 | Camshaft position (CMP) actuator, intake | | | |
| B132-I | Camshaft position (CMP) sensor 1 | | | |
| B132-II | | | | |
| A167 | | | | |
| S6 | Combination switch | | | |
| CAN-H | Controller area network (data bus) high | | | |
| CAN-L | Controller area network (data bus) low | | | |
| R57-I | Crankcase breather heater 1 | | | |
| R57-II | Crankcase breather heater 2 | | | |
| R57-III | Crankcase breather heater 3 | | | |
| R57-IV | Crankcase breather heater 4 | | | |
| K163 | Crankcase breather heater relay | | | |
| B54 | Crankshaft position (CKP) sensor | | | |
| S79 | Cruise control master switch | | | |
| X1 | Data link connector (DLC) | | | |
| K46 | Engine control (EC) relay | | | |
| A35 | Engine control module (ECM) | | | |
| M6 | Engine coolant blower motor | | | |
| M50 | Engine coolant pump motor | | | |
| Y162 | Engine coolant radiator flap solenoid | | | |
| B24-I | Engine coolant temperature (ECT) sensor 1 | | | |
| B24-II | Engine coolant temperature (ECT) sensor 2 | | | |
| R96 | Engine coolant thermostat | | | |
| S25 | Engine oil pressure warning lamp switch | | | |
| B206 | Engine oil quality sensor | | | |
| Y141 | Exhaust gas control solenoid | | | |
| M12 | Fuel pump (FP) | | | |
| A107 | Fuel pump control module | | | |
| Y70 | Fuel tank vent valve | | | |
| F | Fuse | | | |
| M115 | Fuse box/relay plate cooling fan motor | | | |
| X28-I | Fuse box/relay plate, fascia | | | |
| X28-II | Fuse box/relay plate, load area 1 | | | |
| X28-III | Fuse box/relay plate, plenum chamber | | | |
| B72-I | Heated oxygen sensor (HO2S) 1, bank 1 | | | |
| B72-II | Heated oxygen sensor (HO2S) 1, bank 2 | | | |
| B72-III | Heated oxygen sensor (HO2S) 2, bank 1 | | | |
| B72-IV | Heated oxygen sensor (HO2S) 2, bank 2 | | | |
| T1 | Ignition coil | | | |
| 15 | Ignition switch - ignition ON | | | |
| A183 | Ignition switch control module | | | |
| A162 | Immobilizer control module | | | |
| Y3 | Injector | | | |
| K251 | Injector relay | | | |
| | | | | |

Manufacturer: BMW
Engine code: N52 B25A
Tuned for: R-Cat

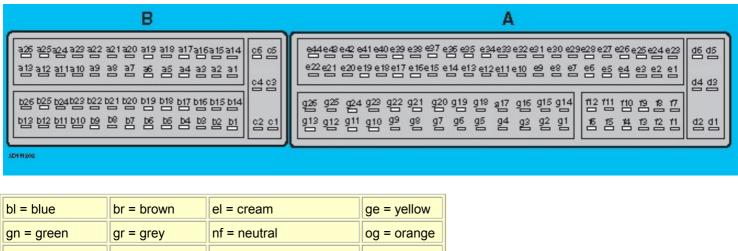
Model: 5 Series (E60/61) 2,5 523i **Output:** 130 (177) 5800

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| B25 | Intake air temperature (IAT) sensor | |
|---|--|--|
| Y179-I | Intake manifold air control actuator 1 | |
| Y179-II | Intake manifold air control actuator 2 | |
| B69 | Knock sensor (KS) | |
| B83 | Manifold absolute pressure (MAP) sensor | |
| B30 | Mass air flow (MAF) sensor | |
| A11-I | Multifunction control module 1 | |
| B228 | Secondary air injection (AIR) mass air flow (MAF) sensor | |
| K152 | Secondary air injection (AIR) pump relay | |
| A212 | Steering wheel function control module | |
| A177 | Throttle control unit | |
| M89 | Throttle motor | |
| B169 | Throttle motor position sensor | |
| A245 Variable valve lift control module | | |
| K298 | Variable valve lift control module relay | |
| M156 | Variable valve lift position motor, intake | |
| B229 | Variable valve lift position sensor, intake | |



| bl = blue | br = brown | el = cream | ge = yellow |
|-------------------|------------------|--------------------------|--------------|
| gn = green | gr = grey | nf = neutral | og = orange |
| rs = pink | rt = red | sw = black | vi = violet |
| ws = white | hbl = light blue | hgn = light green | rbr = maroon |
| x = braided cable | y = high tension | z = non-cable connection | |

NOTE: In certain diagrams (Citroen, Peugeot & Renault), colour codes are replaced by numbers which are used to identify a particular cable and not the colour. In this instance, the cables will be numbered at each end close to the harness connector.

Manufacturer: BMW
Engine code: N52 B25A
Tuned for: R-Cat

Model: 5 Series (E60/61) 2,5 523i

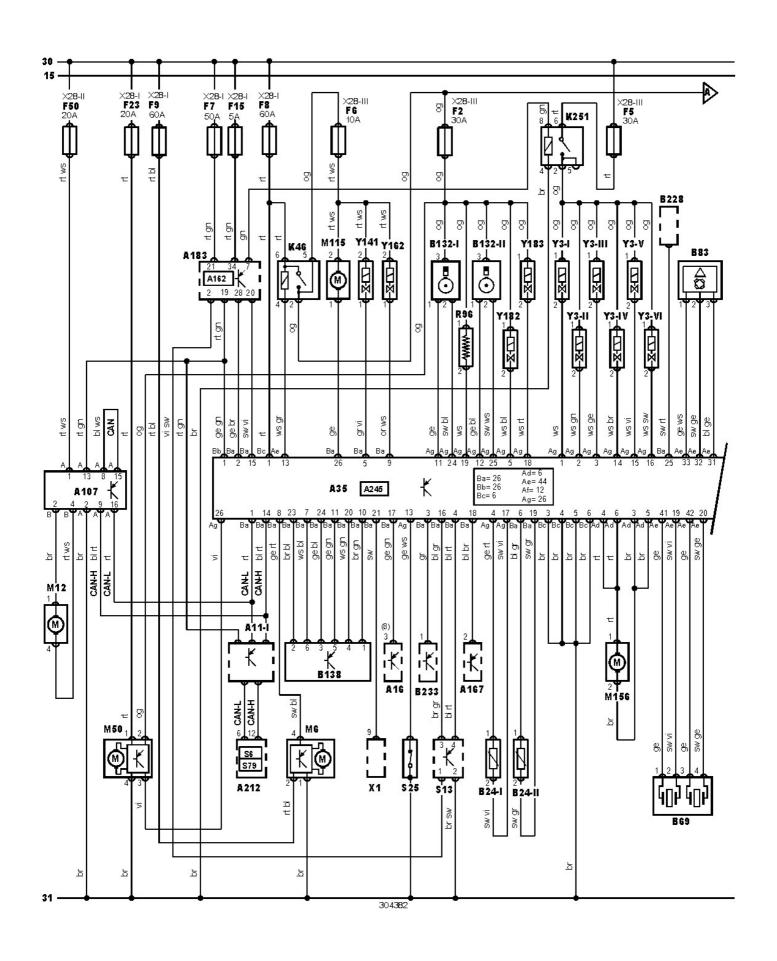
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Year: 2005-07

Output: 130 (177) 5800



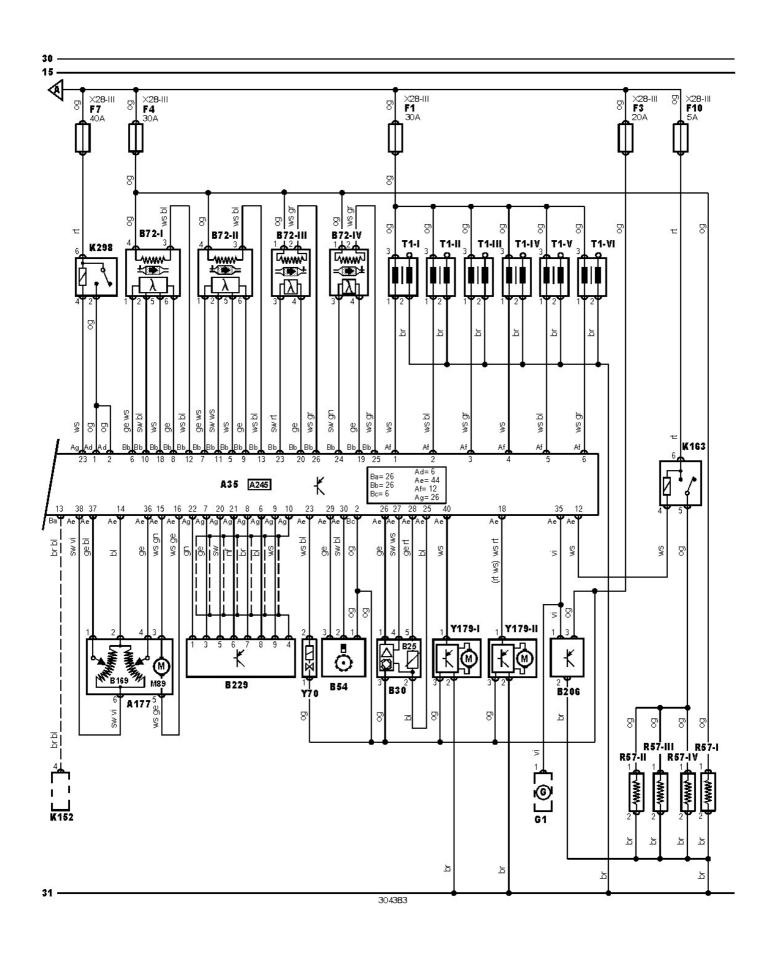
Manufacturer: BMW
Engine code: N52 B25A
Tuned for: R-Cat

Model: 5 Series (E60/61) 2,5 523i

Output: 130 (177) 5800 Year: 2005-07 © Autodata Limited 2010 **Valid forever.** 19.10.2020

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Manufacturer: BMW
Engine code: N52 B25A
Tuned for: R-Cat

Model: 5 Series (E60/61) 2,5 523i

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Output: 130 (177) 5800 Year: 2005-07