A16	ABS control module			
K143				
	AC compressor clutch relay			
B138	Accelerator pedal position (APP) sensor			
X93	Airbag spiral cable			
G1	Alternator			
31	Battery -			
30	Battery +			
S13	Brake pedal position (BPP) switch			
Y183	Camshaft position (CMP) actuator, exhaust			
Y182	Camshaft position (CMP) actuator, intake			
B132	Camshaft position (CMP) sensor			
B132-I	Camshaft position (CMP) sensor 1			
B132-II	Camshaft position (CMP) sensor 2			
A167	Clutch control module			
CAN-H	Controller area network (data bus) high			
CAN-L	Controller area network (data bus) low			
R57	Crankcase breather heater			
B54	Crankshaft position (CKP) sensor			
X1	Data link connector (DLC)			
X1-I	Data link connector (DLC) 1			
K46	Engine control (EC) relay			
A35	Engine control module (ECM)			
M6	Engine coolant blower motor			
B187	Engine coolant blower motor temperature sensor			
B24	Engine coolant temperature (ECT) sensor			
R96	Engine coolant thermostat			
B86	Engine oil level sensor			
S25	Engine oil pressure warning lamp switch			
M12	Fuel pump			
K20	Fuel pump relay			
Y70	Fuel tank vent valve			
F	Fuse			
X28-II	Fuse box/relay plate, engine bay			
X28-I	Fuse box/relay plate, fascia			
B72	Heated oxygen sensor (HO2S)			
B72-I	Heated oxygen sensor (HO2S) 1			
B72-II	Heated oxygen sensor (HO2S) 2			
B72-III	Heated oxygen sensor (HO2S) 3			
B72-IV	Heated oxygen sensor (HO2S) 4			
T1	Ignition coil			
K189	Ignition coil relay			
15	Ignition switch - ignition ON			
A162	Immobilizer control module			
Y3	Injector			
A5	Instrument panel			
A75	Instrumentation control module			
Y66	Intake air flap control actuator			
B25	Intake air temperature (IAT) sensor			
B69	Knock sensor (KS)			
B83	Manifold absolute pressure (MAP) sensor			
B30	Mass air flow (MAF) sensor			
M73	Secondary air injection (AIR) pump			

Manufacturer: BMW Engine code: N46 B18 Tuned for: R-Cat

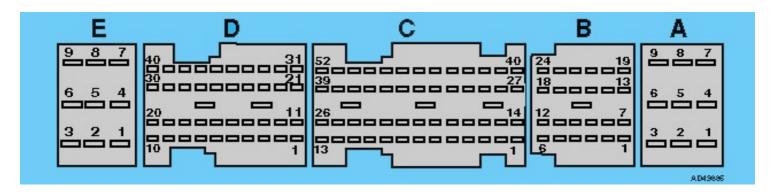
Model: 3 Series (E46) 1,8 316i **Output:** 85 (116) 5500

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K152	Secondary air injection (AIR) pump relay	
S365	Steering wheel multifunction switch	
S365-I	Steering wheel multifunction switch 1	
A177	Throttle control unit	
M89	Throttle motor	
B169	Throttle motor position sensor	
15	Under front seat, LH	
K298	Variable valve lift control module relay	
M156	Variable valve lift position motor, inlet	
B229	Variable valve lift position sensor, inlet	



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: N46 B18
Tuned for: R-Cat

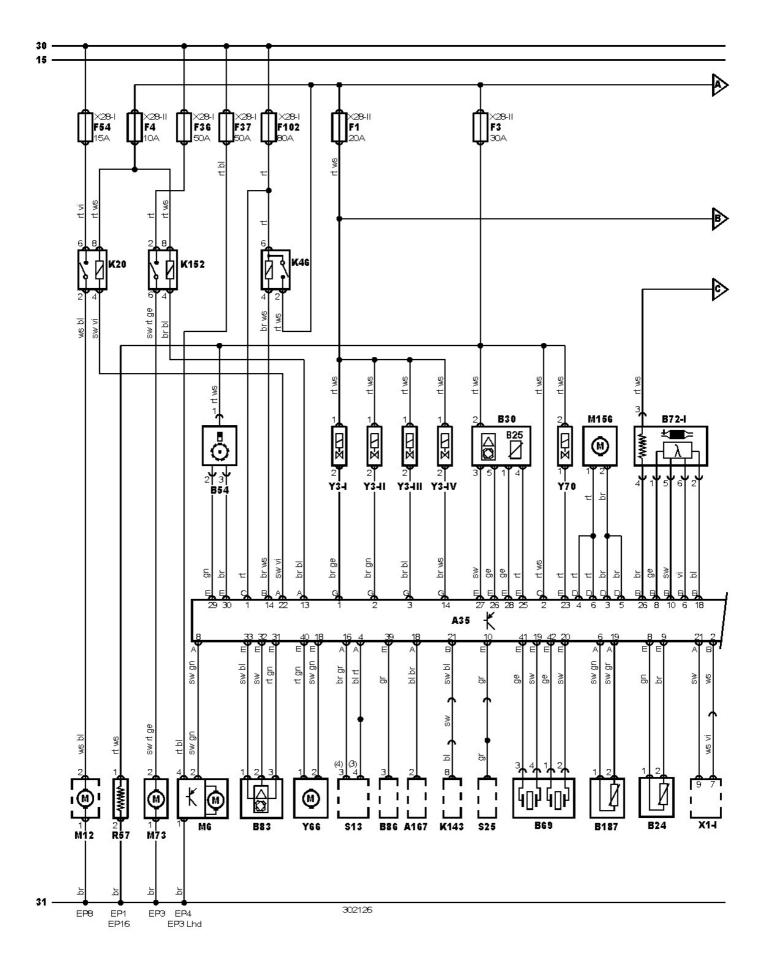
Model: 3 Series (E46) 1,8 316i **Output:** 85 (116) 5500

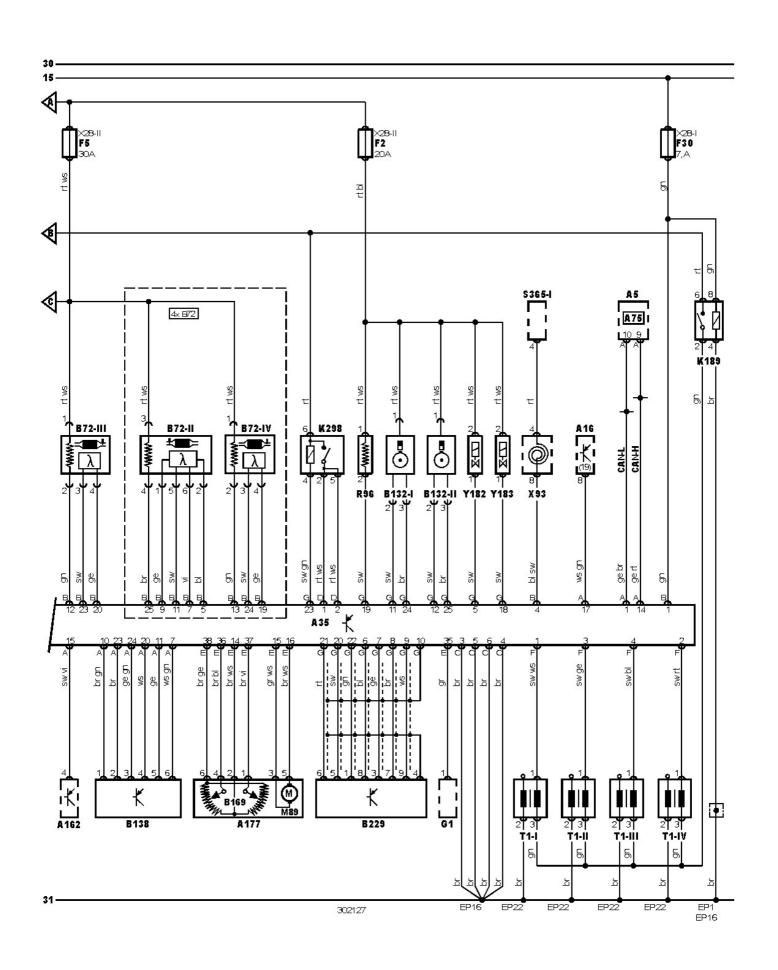
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