A 4 C	ADS control modulo				
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				
Y189	Brake system vacuum solenoid				
Y183	Camshaft position (CMP) actuator, exhaust				
Y182	Camshaft position (CMP) actuator, intake				
B132-I	Camshaft position (CMP) sensor 1				
B132-II	Camshaft position (CMP) sensor 2				
S258	Clutch pedal position (CPP) switch				
CAN-H	Controller area network (data bus) high				
CAN-L	Controller area network (data bus) low				
B54	Crankshaft position (CKP) sensor				
A15	Cruise control module				
X1-I	Data link connector (DLC) 1				
X1-II	Data link connector (DLC) 2				
EP	Earth point				
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				
B86	Engine oil level sensor				
Y104	Evaporative emission (EVAP) canister purge valve				
M12	Fuel pump (FP)				
K20	Fuel pump (FP) relay				
F	Fuse				
X28-II	Fuse box/relay plate, engine bay				
X28-I	Fuse box/relay plate, fascia 1				
X28-IV	Fuse box/relay plate, fascia 2				
B72-I	Heated oxygen sensor (HO2S) 1				
B72-II	Heated oxygen sensor (HO2S) 2				
T1	Ignition coil				
K189	Ignition coil relay				
S1	Ignition switch				
15	Ignition switch - ignition ON				
A162	Immobilizer control module				
Y3	Injector				
A5	Instrument panel				
A75	Instrumentation control module				
B25	Intake air temperature (IAT) sensor				
B69	Knock sensor (KS)				
A192	Lamps control module				
B30	Mass air flow (MAF) sensor				
M73	Secondary air injection (AIR) pump				
K152	Secondary air injection (AIR) pump relay				
S365-I	Steering wheel multifunction switch 1				
A177	Throttle control unit				

Manufacturer: BMW
Engine code: N45 B16A
Tuned for: R-Cat

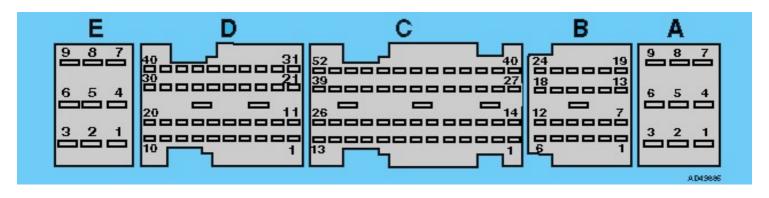
Model: 3 Series (E46) 1,6 316i **Output:** 85 (115) 6100

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M89	Throttle motor	
B169	Throttle motor position sensor	
A57	Transmission control module (TCM)	
B22	Wheel speed sensor, right rear	



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.

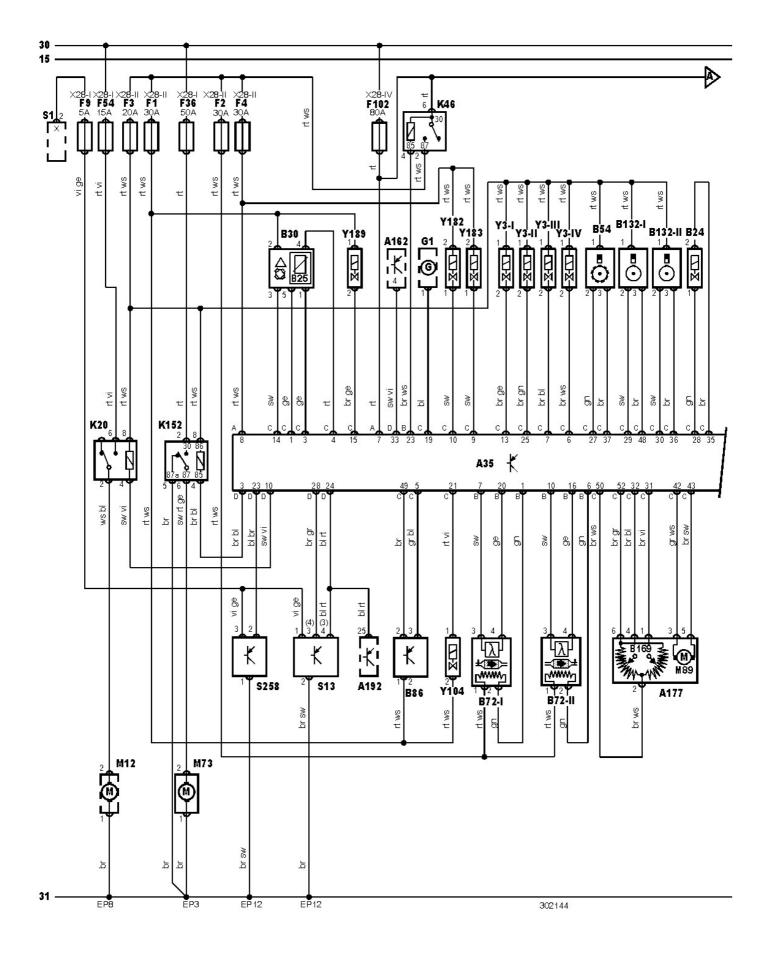
Manufacturer: BMW
Engine code: N45 B16A
Tuned for: R-Cat

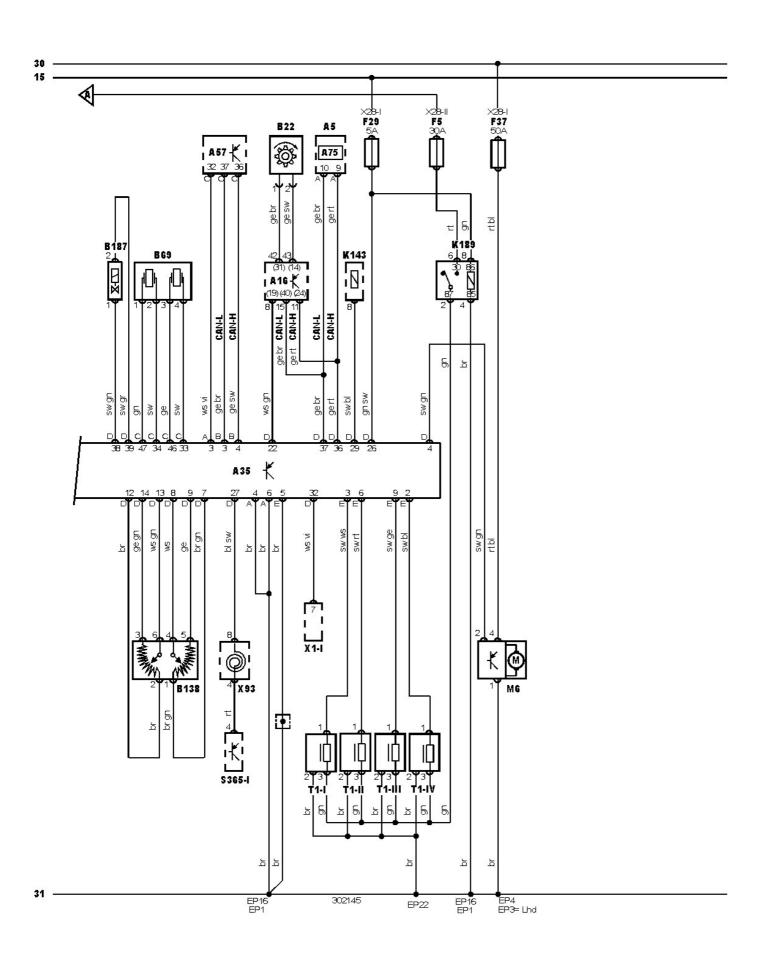
Model: 3 Series (E46) 1,6 316i **Output:** 85 (115) 6100

Year: 2004-07

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