A16 ABS control module K143 AC compressor clutch relay B138 Accelerator pedal position (APP) sensor X93 Airbag spiral cable G1 Alternator 31 Battery -					
B138 Accelerator pedal position (APP) sensor X93 Airbag spiral cable G1 Alternator 31 Battery -					
X93 Airbag spiral cable G1 Alternator 31 Battery -					
G1 Alternator 31 Battery -					
31 Battery -					
20 Dotton/ ±	·				
30 Battery +					
	Brake pedal position (BPP) switch				
	Camshaft position (CMP) actuator				
	Camshaft position (CMP) sensor				
A167 Clutch control module					
	Controller area network (data bus) high				
	Controller area network (data bus) low				
B54 Crankshaft position (CKP) sensor	Crankshaft position (CKP) sensor				
X1 Data link connector (DLC)					
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					
Y104 Evaporative emission (EVAP) canister purge valve					
M12 Fuel pump (FP)					
K20 Fuel pump (FP) relay					
F Fuse					
X28-IV Fuse box/relay plate, engine bay					
X28-I Fuse box/relay plate, fascia 1					
X28-II Fuse box/relay plate, fascia 2					
B72-I Heated oxygen sensor (HO2S) 1, bank 1					
B72-III Heated oxygen sensor (HO2S) 1, bank 2					
B72-II Heated oxygen sensor (HO2S) 2, bank 1					
B72-IV Heated oxygen sensor (HO2S) 2, bank 2					
T1 Ignition coil					
K189 Ignition coil relay					
X Ignition switch - accessories					
15 Ignition switch - ignition ON					
A162 Immobilizer control module					
Y3 Injector					
A5 Instrument panel					
Y66 Intake air flap control actuator					
B25 Intake air temperature (IAT) sensor					
B69 Knock sensor (KS)					
A192 Lamps control module					
B83 Manifold absolute pressure (MAP) sensor					
B30 Mass air flow (MAF) sensor					
M73 Secondary air injection (AIR) pump					
K152 Secondary air injection (AIR) pump relay					
S365 Steering wheel multifunction switch					
A177 Throttle control unit					
B169 Throttle motor position sensor					

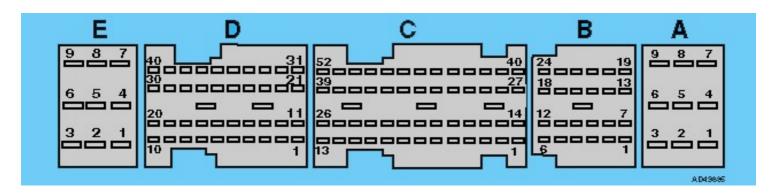
Manufacturer: BMW
Engine code: N42 B18A
Tuned for: R-Cat

Model: 3 Series (E46) 1,8 316i **Output:** 85 (115) 5500

Year: 2001-05

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A57	Transmission control module (TCM)		
A245	Variable valve lift control module		
K298	Variable valve lift control module relay		
M156	Variable valve lift position motor		
B229	Variable valve lift position sensor		
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.

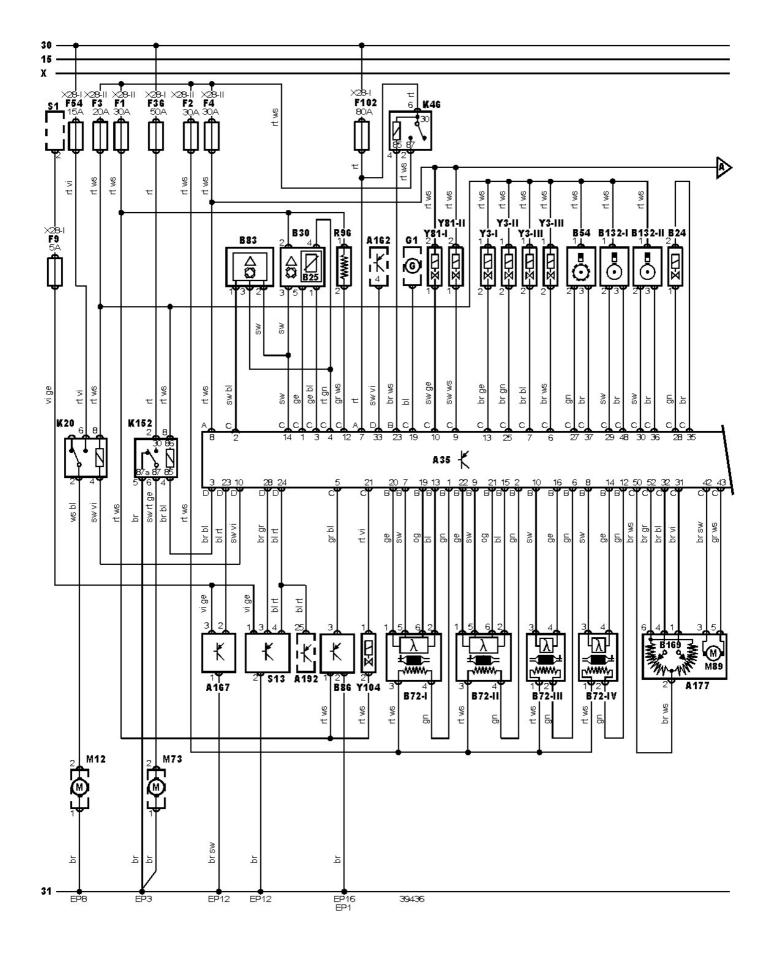
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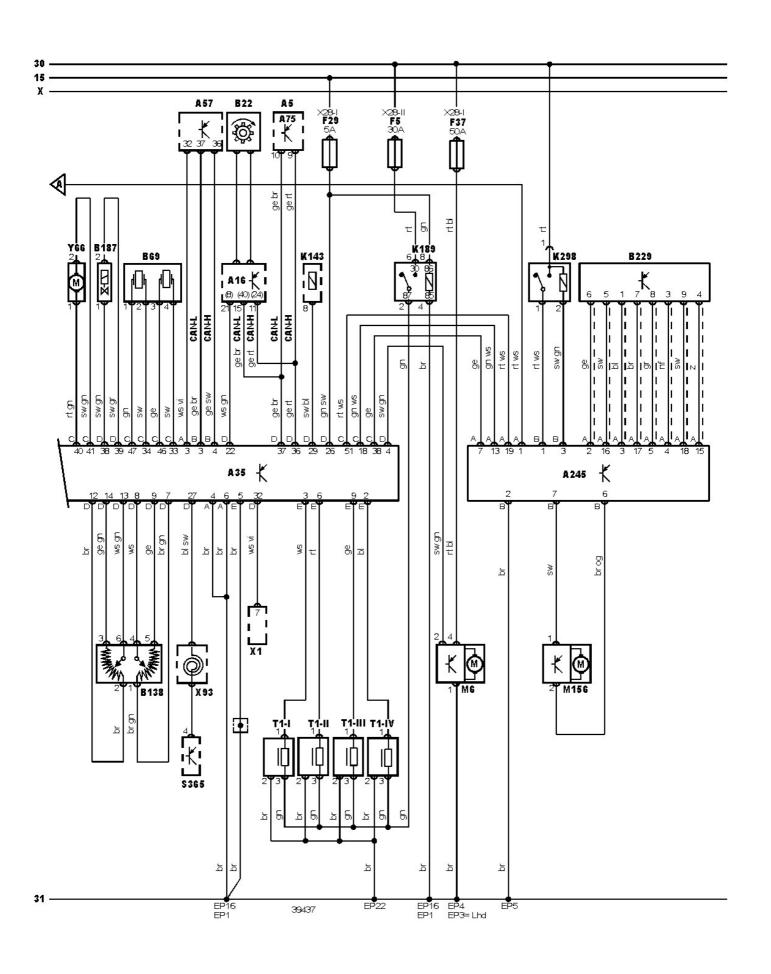
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Year: 2001-05



Manufacturer: BMW Engine code: N42 B18A Tuned for: R-Cat **Model:** 3 Series (E46) 1,8 316i **Output:** 85 (115) 5500

Year: 2001-05

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