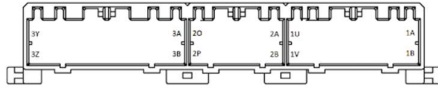


1998 - 2000 NB ECU Pinout

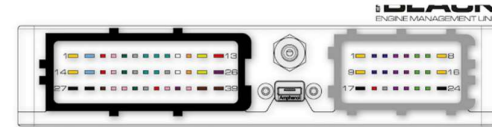
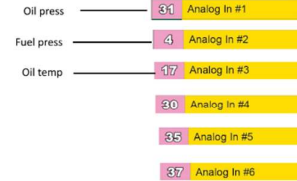


| Connector 3 | Pin | Function | Connector 2 | Pin | Function |
|----------------|---------------------------------|------------------------|-------------|--|----------------------|
| 3A | Power ground | 27 Power Ground | 2A | | |
| 3B | Power ground | 24 Power Ground | 2B | Inlet air temperature sensor | 32 IAT In |
| 3C | Sensor ground | 38 Sensor Ground | 2C | Lambda-sensor-signal | |
| 3D | | | 2D | Vehicle speed signal | 20 VSS In |
| 3E | Throttle position sensor signal | 18 TPS In | 2E | Engine coolant temperature sensor signal | 5 CLT In |
| 3F | Sensor ground | 39 Sensor Ground | 2F | Knock sensor input | 3 Knock.Sensor in #1 |
| 3G | Ignition coil A (Cyl 1 & 4) | 8 Ignition coil #1 | 2G | | |
| 3H | Ignition coil B (Cyl 2 & 3) | 18 Ignition coil #2 | 2H | Camshaft position sensor signal | 21 Camsync In #1 |
| 3I | | | 2I | 5V sensor supply | 34 +5V supply |
| 3J | | | 2J | Crankshaft sensor signal | 8 Primary trigger |
| 3K | | | 2K | Tachometer output signal to instr. | 20 AUX 4 / Tacho |
| 3L boost contr | Purge solenoid | 5 AUX 3 | 2L | MAP-sensor-signal | |
| 3M | Idle control valve | 12 AUX 5 | 2M | EGR-valve | |
| 3N | | | 2N | EGR-valve | |
| 3O | Idle control valve 12V supply | 18 Ignition +12V | 2O | EGR-valve | |
| 3P | Fuel pump relay | 13 AUX 2 / Injector #8 | 2P | EGR-valve | |
| 3Q | VICS solenoid | 14 Injector #5 | | | |
| 3R | | | | | |
| 3S | EGR boost-sensor-signal | | | | |
| 3T | EGR boost-solenoid | | | | |
| 3U | | | | | |
| 3V | | | | | |
| 3W | Injector A (cylinder 1) | 7 Injector #1 | | | |
| 3X | Injector D (cylinder 2) | 15 Injector #2 | | | |
| 3Y | Injector B (cylinder 3) | 23 Injector #3 | | | |
| 3Z | Injector C (cylinder 4) | 6 Injector #4 | | | |



| Wideband Snakeskinned | Pin | Function | BOSCH LSU 4.9 | Color |
|-----------------------|---------------|--------------|---------------|-------------------------|
| B 10 | WBO Ip | rode kabel | 1 | WBO vs |
| B 30 | WBO VGND | oranje kabel | 2 | WBO VGND |
| G 19 | WBO Heater | grijs kabel | 3 | WBO heater |
| C 18 | Ignition +12V | witte kabel | 4 | WBO Heater +12V (fused) |
| B 22 | WBO Real | blauwe kabel | 5 | WBO Real |
| B 6 | WBO Vs | zwarte kabel | 6 | WBO Vs |

| PIN | OEM Function |
|-----|--|
| 1A | 12V constant from room fuse 13 Battery +12V |
| 1B | 12V switched from main relay 18 Ignition +12V |
| 1C | |
| 1D | Data-link connector |
| 1E | |
| 1F | Brake-switch-12V-switched |
| 1G | Power-steering-pressure-switch |
| 1H | Constant 12V injector fuse 13 Battery +12V |
| 1I | A/C fan relay 4 AUX 6 |
| 1J | |
| 1K | Trans system (auto-only) |
| 1L | Data-link connector |
| 1M | |
| 1N | Trans system (auto-only) |
| 1O | Alternator field terminal 22 Injector #6 |
| 1P | A/C switch (ground input) 23 Switch #2 In |
| 1Q | Alternator warning lamp |
| 1R | Thermo fan relay 21 AUX 1 / Injector #7 |
| 1S | A/C compressor relay |
| 1T | Alternator feedback |
| 1U | Lambda-sensor-heater-ground |
| 1V | Clutch/Neutral switch (ground input) 10 Switch #1 In |



| Black 39pin connector | Pin | Function | Grey 24pin connector | Pin | Function |
|-----------------------|-----------------------|----------|-----------------------|-----|---------------------|
| 1 | Ignition coil #5 | 14 | Ignition coil #4 | 27 | Power Ground |
| 2 | EGT in #1 | 15 | EGT in #2 | 28 | Ecu Ground |
| 3 | Knock Sensor in #1 | 16 | Knock Sensor in #2 | 29 | Sensor Ground |
| 4 | Analog In #2 | 17 | Analog In #3 | 30 | Analog In #4 |
| 5 | CLT In | 18 | TPS In | 31 | Analog In #1 |
| 6 | WBO Vs | 19 | WBO Ip | 32 | IAT In |
| 7 | Camsync In #2 | 20 | VSS In | 33 | WBO VGND |
| 8 | Primary trigger | 21 | Camsync In #1 | 34 | +5V supply |
| 9 | Flex Fuel In | 22 | WBO Real | 35 | Analog In #5 |
| 10 | Switch #1 In | 23 | Switch #2 In | 36 | Switch #3 In |
| 11 | RS232 TXD | 24 | RS232 RXD | 37 | Analog In #6 |
| 12 | CAN H | 25 | CAN L | 38 | Sensor Ground |
| 13 | Battery +12V | 26 | +5V supply | 39 | Sensor Ground |
| 1 | Ignition coil #6 | 9 | Ignition coil #3 | 17 | Power Ground |
| 2 | H-Bridge #1 Winding A | 10 | H-Bridge #1 winding B | 18 | Ignition +12V |
| 3 | H-Bridge #2 Winding A | 11 | H-Bridge #2 winding B | 19 | WBO Heater |
| 4 | AUX 6 | 12 | AUX 5 | 20 | AUX 4 / Tacho |
| 5 | AUX 3 | 13 | AUX 2 / Injector #8 | 21 | AUX 1 / Injector #7 |
| 6 | Injector #4 | 14 | Injector #5 | 22 | Injector #6 |
| 7 | Injector #1 | 15 | Injector #2 | 23 | Injector #3 |
| 8 | Ignition coil #1 | 16 | Ignition coil #2 | 24 | Power Ground |

AMP to chassis