

| INTERCONNECTS | | 9/24/21 | | | | | | | |
|-------------------------------------------------------|---------------------------------------------|----------------------------|--------------------------|--------------------------------|--------------------------------------------|---------------------------------------|------------------|--------|--|
| BH26 Engine Side | | BH26 Speeduino Side | | Connector Abbreviations | | | | | |
| 26 | | 1 | | BH26 | 26 Pin Bulkhead Connector | Primary connector to drop engine | | | |
| 22 23 24 25 | | 2 3 4 5 | | D12 | 12 Pin Deutch Connector | Primary connector to remove relay box | | | |
| 17 18 19 20 21 | | 6 7 8 9 10 | | D8 | 8 Pin Deutch Connector | Right intake bundle connector | | | |
| 11 12 13 14 15 16 | | 11 12 13 14 15 16 | | S44 | 44 Pin Speeduino screw terminals | Speeduino main connector on enclosure | | | |
| 6 7 8 9 10 | | 17 18 19 20 21 | | H# | Harness wire bundles at axle, no connector | | | | |
| 2 3 4 5 | | 22 23 24 25 | | W# | Wide Band bundle, connectors at devices | | | | |
| 1 | | 26 | | | | | | | |
| Engine Harness near left rear axle | | | Quick RLS Harness | BH26 | Speedy Relay D12 | WBO2 | Eng Block | | |
| H1 - AC drier in | 18 ga white to AC drier | | to H6 AC out | | | | | | |
| H2 - AC drier to A/C relay then A/C compressor clutch | 18 ga green from AC drier | | | | | D12 pin 6 | | | |
| H3 - AC Condensor Fan +12v | 16ga red | | | | | D12 pin 12 | | | |
| H4 - AC Condensor Fan GND | 16ga black | | | | | | | Ground | |
| H5 - Speedy security relay trigger GND | 16ga green silicone from dash switch | | | | | D12 pin 4 | | | |
| H6 - to AC Drier in - white | 18ga green | | to H1 AC drier in | | | | | | |
| H7 - Oil temperature sender | 20ga white | | | BH26-3 | | | | | |
| H8 - Oil pressure sender (top) | 18ga white marked with black marker | | | BH26-4 | | | | | |
| H9 - Oil Pressure warning light (bottom) | 20ga green | | | BH26-5 | | | | | |
| H10 - Tachometer signal (Speeduino) | 20ga grey | | | | S44-14 | | | | |
| H11 - Alternator ground (unconnected) | 16ga black | | | | | | | | |
| H12 - Alternator D+ to alternator light on gauge | 16ga blue | | | BH26-6 | | | | | |
| H13 - Alternator B+ from alternator to starter B+ | 4ga red | | | | | | | | |
| H14 - To relay - Speeduino and coil switched +12V | 16ga purple | | | | | D12 pin 5 | | | |
| H15 - Starter terminal 50 - engages starter | 14ga red | | | | | | | | |
| H16 - B+ back to dash ignition switch | 10ga red | | | | | | | | |
| H17 - Fuel Pump relay GND | 16ga white silicone to front | | | | S44-35 | | | | |
| H18 - Spare | 16ga blue silicone to dash | | | | | | | | |
| H19 - Spare3 from Speedy | 20ga pink unconnected | | | | Box | | | | |
| | | | | | | | | | |
| 44 pin Speeduino Connector | Wire Color | Quick RLS Harness | BH26 | Speedy Relay Box D | WBO2-LEFT | Eng Block | | | |
| S44-1 - INJ1 - Pin 1/2 Injectors 1 & 3 | 20 ga purple (fed by 16 ga purple & orange) | | BH26-11, BH26-25 | | | | | | |
| S44-5 - INJ2 - Pin 1/2 Injectors 2 & 4 | 20 ga white (fed by 16 ga white & pink) | | BH26-2, BH26-26 | | | | | | |
| S44-6 - INJ2 - Pin 2/2 Injectors 2 & 4 | 20 ga white (fed by 16 ga white & pink) | | BH26-2*, BH26-26* | | | | | | |
| S44-7 - Ignition 1 (IGN Con1-Flat) | 20 ga gray | | BH26-7 | | | | | | |
| S44-9 - Star Engine Ground | 20 ga black | | | | | | | Ground | |
| S44-10 - Star Engine Ground | 20 ga black | | | | | | | Ground | |
| S44-12 - Star Engine Ground | 20 ga black | | | | | | | Ground | |

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| NBH26-S44-43 - Reset to GND | future use - not connected | | | | | | | | |
| NBH26-S44-44 - 5V supply to Bluetooth | 20 ga red | | | | | | | | |
| Speeduino Box - Spare 1 | 20 ga white | | | BH26-9 | | | | | |
| Speeduino Box - Spare 2 | 20 ga brown | | | | | unconnected | | | |
| Speeduino Box - Spare 3 | 20 ga pink | | | | | | H19 unconnected | | |
| Speeduino Box - TEMP1 | 20 ga extra long to engine yellow | | | | | | | | |
| Speeduino Box - TEMP2 | 20 ga extra long to engine orange | | | | | | | | |
| WBO2 LEFT IAC/Oil Fan & Temp Switch/CLT Bundle | | Quick RLS Harness | | BH26 | Speedy I | Relay Box D | WBO2-LEFT | Eng Block | |
| W1 - Speeduino CLT/Head Signal - Exhaust Stud | 20ga orange | spade | | | S44-19 | | | | |
| W2 - Idle Air 1 - PWM Idle 1 green | 16 ga green | MTimer | | | S44-36 | | | | |
| W3 - Idle Air +12V from Relay | 16 ga blue | MTimer | | | | D12 pin 11 | | | |
| W4 - Idle Air 2 - PWM Idle 2 red | 16 ga red | MTimer | | | S44-37 | | | | |
| W5 - WBO2 Signal to Speeduino | 20 ga green | | | | S44-21 | | | | |
| W6 - WBO2 - Speeduino Signal GND | 20 ga black to Speedy signal GND | | | | S44-23 | | | | |
| W7 - WBO2 +12V from Relay 3 Oil Fan/W2 - WBO2 | red 16 ga | | | | | D12 pin 10 | | | |
| W8 - WBO2 Heater GND | 16 ga white | | | | | | | | Ground |
| W9 - Oil Fan +12V from Relay | 16ga red | | | | | D12 pin 11 | | | |
| W10 - Oil Fan Engine Block GND | 16ga black | | | | | | | | Ground |
| Central Engine Bundle - High Interference or Dash Gauges Wires | | Quick RLS Harness | | BH26 | Speedy I | Relay Box D | WBO2-LEFT | Eng Block | |
| AC Compressor Clutch green | 16 ga green | spade | | BH26-1 | | D12 pin 12 | | | |
| Dash Oil Temp to sensor | 20 ga white | spade | H7 | BH26-3 | | | | | |
| Dash Oil Pressure Signal | 20 ga white w/black | lug | H8 | BH26-4 | | | | | |
| Dash Oil Pressure Warning Signal | 20 ga green | lug | H9 | BH26-5 | | | | | |
| Dash Alternator D+ | 16 ga blue | spade | H12 | BH26-6 | | | | | |
| Alternator Engine block GND 14 ga black | 14 ga blk diode & capacitor GND | screw | | | | | | | Ground |
| Ignition Con1 Flat gray Ign1-A & D Speeduino pin | 20 ga gray | IGN CON | | BH26-7 | S44-7 | | | | |
| Ignition Con2 yellow Swtch Pwr +12v from Relay | 2 pins to 16ga blue to yellow at connect | IGN CON | | BH26-10, BH26-16 | | D12 pin 8, D12 pin 9 | | | |
| Ignition Con3 red Ign2 -B & C Speeduino pin 34 | 20 ga pink | IGN CON | | BH26-8 | S44-34 | | | | |
| Ignition Con4 Round blk GND 14 ga to engine blo | 14 ga blk diode & capacitor GND | IGN CON | | | | | | | Ground |
| Spare 1 | 20 ga pink | | | BH26-9 | Box | | | | |
| Under Engine Bundle (Crank Position Sensor) | | | | | | | | | |
| Crank Sensor shield 2 SHIELD | 20 ga gray | | | BH26-15 | S44-23 | | | | |
| Crank Sensor Signal white | shield-1 red to Hall white | spade | | BH26-20 | S44-25 | | | | |
| Crank Sensor +5V red | shield-2 red to Hall red | spade | | BH26-22 | S44-28 | | | | |
| Crank Sensor - Sensor GND black | shield-1 black to Hall black | spade | | BH26-23 | S44-23 | | | | |
| Crank Sensor shield-1 SHIELD | | | | BH26-24 | S44-23 | | | | |

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| Left Intake Bundle-3 wires in bundle splitting to 4 wires at 2 connectors | | Quick RLS Harness | BH26 | Speedy Relay Box D | WBO2-LEFT | Eng Block |
| +12V from relay to Left Injectors 16 ga | 16 ga red split at each injector | INJ-MT3&4 | BH26-21 | D12 pin 10 | | |
| Injector 3 ground from Speeduino pin 3, 4 | 16 ga orange | INJ-MT3 | BH26-25 | S44-1*, S44-40* | | |
| Injector 4 ground from Speeduino pin 39, 2 | 16 ga pink | INJ-MT4 | BH26-26 | S44-5*, S44-6* | | |
| Right Intake Bundle-6 cables/wires in bundle splitting into 12 wires at 5 connectors | | Quick RLS Harness | BH26 | Speedy Relay Box D | WBO2-LEFT | Eng Block |
| +12V from relay to Right Injectors red 16 ga | 16 ga red split at each injector | D8-1 | BH26-17 | D12 pin 10 | | |
| Injector 1 ground from Speeduino pin 1, 40 | 16 ga purple | D8-2 | BH26-11 | S44-1, S44-40 | | |
| Injector 2 ground from Speeduino pin 5, 6 | 16 ga white | D8-3 | BH26-2 | S44-5, S44-6 | | |
| Throttle Position Sensor Signal yellow | 20 ga yellow to shield-3 red ctr on mini f | D8-4 | BH26-12 | S44-22 | | |
| Throttle Position Sensor GND white | 20 ga white to shield-3 blk right on mini | D8-5 | BH26-13 | S44-23 | | |
| Throttle Position +5V blue | 20 ga blue to shield-4 blk left on mini tin | D8-6 | BH26-14 | S44-13 | | |
| Intake Air Temp Signal brown | 20 ga brown | D8-7 | BH26-18 | S44-20 | | |
| Intake Air Temp Sensor GND black | 20 ga black | D8-8 | BH26-19 | S44-23 | | |
| RELAY BOX D12 | | Quick RLS Harness | BH26 | Speedy Relay Box D | WBO2-LEFT | Eng Block |
| D12-1 Unswitched 12V from Starter B+ | 10 ga split to 2x16 ga red | | | | | |
| D12-2 Unswitched 12V from Starter B+ | (see above) | | | | | |
| D12-3 Engine GND | 16 ga black to block | | | | | Ground |
| D12-4 Master GND From Dash Security Switch | 20 ga green | H5 | | | | |
| D12-5 Switched +12V from Dash | 16 ga purple | H14 | | | | |
| D12-6 Trigger Air Conditioner from Dryer | 20 ga green | H2 | | | | |
| D12-7 12V Power to Speeduino | 16 ga red | | | S44-41 | | |
| D12-8 12V Power to Ignition Module | 16 ga blue | | BH26-10 | | | |
| D12-9 12V Power to Ignition Module | 16 ga blue | | BH26-16 | | | |
| D12-10 12V Power to WBO2 & Injectors | 3x16 ga red | | BH26-21, BH26-17 | | W7 | |
| D12-11 12V Power to Oil Fan & idle air | 2x16 ga red | | | | W3, W9 | |
| D12-12 12V Power to AC Clutch & Fan | 2x16 ga red to AC fan, AC grn | H3 | BH26-1 | | | |
| Spare 2 from Speedy unconnected at D12 | 20 ga brown | | | | | |
| ENGINE BLOCK GROUND | | Quick RLS Harness | BH26 | Speedy Relay Box D | WBO2-LEFT | Eng Block |
| G1-AC Condensor Fan GND & diode/capacitor | 16ga black | H4 | | | | |
| G2-Speeduino Engine GND | 20ga black | | | S44-9 | | |
| G3-Speeduino Engine GND | 20ga black | | | S44-10 | | |
| G4-Speeduino Engine GND | 20ga black | | | S44-12 | | |
| G5-Speeduino Engine GND | 20ga black | | | S44-42 | | |
| G6-WBO2 Heater GND | 16ga white | | | | W8 | |

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| G7-Oil Fan GND & diode/capacitor | 16ga black | | | | | | W10 | | |
| G8-Alternator GND & diode/capacitor | 14ga black | Alternator body | | | | | | | |
| G9-Ignition Module GND & diode/capacitor | 14ga black | Ignition Module black lead | | | | | | | |
| G10-Relay Triggers GND | 20ga black | | | | | D12-3 | | | |
| G11-AC Clutch GND | 16ga black | AC Compressor spade | | | | | | | |