





















Haltech Wiring Report - Page 1

Vehicle Name: **Mazdaru**

Product: **Elite 2500 ECU**

Assigned Resources:




| Connections | | Assigned Functions | |
|---|-------------|--------------------|---|
| Analogue Voltage Inputs on Elite 2500 ECU: | | | |
|  | [GY/Y], B13 | AVI 1 | Feedback Input, for Oil Metering Pump |
|  | [O/B], A16 | AVI 2 | Drive By Wire TPS 1 Input, for Drive By Wire |
|  | [O/R], A17 | AVI 3 | Drive By Wire TPS 2 Input, for Drive By Wire |
|  | [O/Y], A2 | AVI 4 | Drive By Wire APP 1 Input, for Drive By Wire |
|  | [O/G], B20 | AVI 5 | Drive By Wire APP 2 Input, for Drive By Wire |
|  | [GY/O], B12 | AVI 6 | Manifold Pressure Input, for Manifold Pressure Sensor |
|  | [GY], B3 | AVI 7 | Intake Air Temperature Input, for Intake Air Temperature Sensor |
|  | [V], B4 | AVI 8 | Coolant Temperature Input, for Coolant Temperature Sensor |
|  | [Y], A15 | AVI 9 | A/C Request Switch Input, for Air Conditioner Control |
| Digital Pulsed Outputs on Elite 2500 ECU: | | | |
|  | [V/B], A18 | DPO 1 | Tacho Output, for Tachometer |
|  | [V/BR], A1 | DPO 2 | Thermofan 1 Output, for Thermofan 1 |
|  | [V/R], A23 | DPO 3 | Boost Solenoid Output, for Boost Control |
|  | [V/O], B19 | DPO 4 | A/C Output, for Air Conditioner Control |
|  | [Y/B], A3 | IGN 1 | Ignition Output 1 |
|  | [Y/R], A4 | IGN 2 | Ignition Output 2 |
|  | [Y/O], A5 | IGN 3 | Ignition Output 3 |
|  | [Y/G], A6 | IGN 4 | Ignition Output 4 |
|  | [L/Y], A28 | INJ 6 | Thermofan 2 Output, for Thermofan 2 |
|  | [L/R], A22 | INJ 4 | Stage 2 - Injection Output 4 |
|  | [L/BR], A21 | INJ 3 | Stage 2 - Injection Output 3 |

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Digital Pulsed Outputs on Elite 2500 ECU:

| | | | |
|---|------------|-------|---------------------------------------|
|  | [L/B], A20 | INJ 2 | Stage 1 - Injection Output 2 |
|  | [L], A19 | INJ 1 | Stage 1 - Injection Output 1 |
|  | [B/Y], A24 | DPO 5 | Fuel Pump Relay Output, for Fuel Pump |

Stepper Outputs on Elite 2500 ECU:

| | | | |
|---|-------------------------|-----------|-------------------------------|
|  | [G], A31, STEPPER 1A | Stepper 1 | Output, for Oil Metering Pump |
|  | [G/B], A32, STEPPER 1B | | |
|  | [G/BR], A33, STEPPER 1C | | |
|  | [G/R], A34, STEPPER 1D | | |

Sync Pulsed Inputs on Elite 2500 ECU:

| | | | |
|--|--------------|------|---|
|  | [GY/BR], B10 | SPI3 | Vehicle Speed Input, for Vehicle Speed Drive Train Sensor |
|  | [GY/R], B7 | SPI4 | Clutch Switch Input, for Clutch Switch |








Knock Inputs on Elite 2500 ECU:

| | | | |
|---|-------------|---------|----------------|
|  | [GY/G], B21 | KNOCK 1 | Knock Sensor 1 |
|---|-------------|---------|----------------|

DC Motor Outputs on Elite 2500 ECU:

| | | | |
|---|--------------------------|------------|-------------------------------|
|  | [BR/B], B25, DC MOTOR 1A | DBW Motor1 | DBW Motor1, for Drive By Wire |
|  | [BR/R], B26, DC MOTOR 1B | | |

System References on Elite 2500 ECU:












| | | | |
|---|-----------|---------------------------|-------------------------------|
|  | [Y], B1 | Trigger (+ve) | Trigger System (+) |
|  | [G], B5 | Trigger (-ve) | Trigger System (-) |
|  | [W], B23 | CAN High - Main Connector | CAN High (Vehicle Bus) |
|  | [L], B24 | CAN Low - Main Connector | CAN Low (Vehicle Bus) |
|  | [R], AUX1 | CAN Power | 3 Amp limit |
|  | [B], AUX2 | CAN Ground | CAN Signal Ground |
|  | [W], AUX3 | AUX CAN High | CAN High (Haltech CAN System) |

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Vehicle Name: **Mazdaru**

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System References on Elite 2500 ECU:

| | | | |
|---|---------------------------|---------------------|------------------------------|
|  | [L], AUX4 | AUX CAN Low | CAN Low (Haltech CAN System) |
|  | [O], A9 | +5V DC | 5V Sensors |
|  | [O/W], A12 | +8V Sensor Supply | 8V Sensors |
|  | [R/W], B11 | +12V ECU Power | Fused Power from ECR |
|  | [R/L], A26 | +12V Injector Power | 20A Fused Power |
|  | [P], A13 | +12V Ign SW Input | Ignition Switch |
|  | [B], A10, BATTERY GROUND | Battery Ground | Battery (-ve) |
|  | [B], A11, BATTERY GROUND | | |
|  | [B/W], B14, SIGNAL GROUND | Signal Ground | 0V Sensors |
|  | [B/W], B15, SIGNAL GROUND | | |
|  | [B/W], B16, SIGNAL GROUND | | |

Wideband Inputs on Single Wideband Box:

| | | |
|---|-------|---|
|  | WBI 1 | Wideband O2 1 Input, for Wideband O2 1 Sensor |
|---|-------|---|

Other Connections on Drive By Wire:

| | | |
|---|------|-------------------------------|
|  | Idle | Main Output, for Idle Control |
|---|------|-------------------------------|

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Vehicle Name: **Mazdaru**

Product: **Elite 2500 ECU**

Available Resources:

Connections

Analogue Voltage Inputs on Elite 2500 ECU:



[W], A14

AVI 10

Digital Pulsed Outputs on Elite 2500 ECU:



[Y/BR], A7

IGN 5



[Y/L], A8

IGN 6



[L/O], A27

INJ 5



[L/V], A30

INJ 8



[L/G], A29

INJ 7



[Y/V], B17

IGN 7



[Y/GY], B18

IGN 8

Sync Pulsed Inputs on Elite 2500 ECU:



[GY], B8

SPI1



[GY/B], B9

SPI2

Knock Inputs on Elite 2500 ECU:



[GY/L], B22

KNOCK 2

Pressure Inputs on Elite 2500 ECU:



OBPS 1

System References on Elite 2500 ECU:



[Y], B2

Home (+ve)



[G], B6

Home (-ve)



[B/R], A25

ECR Output