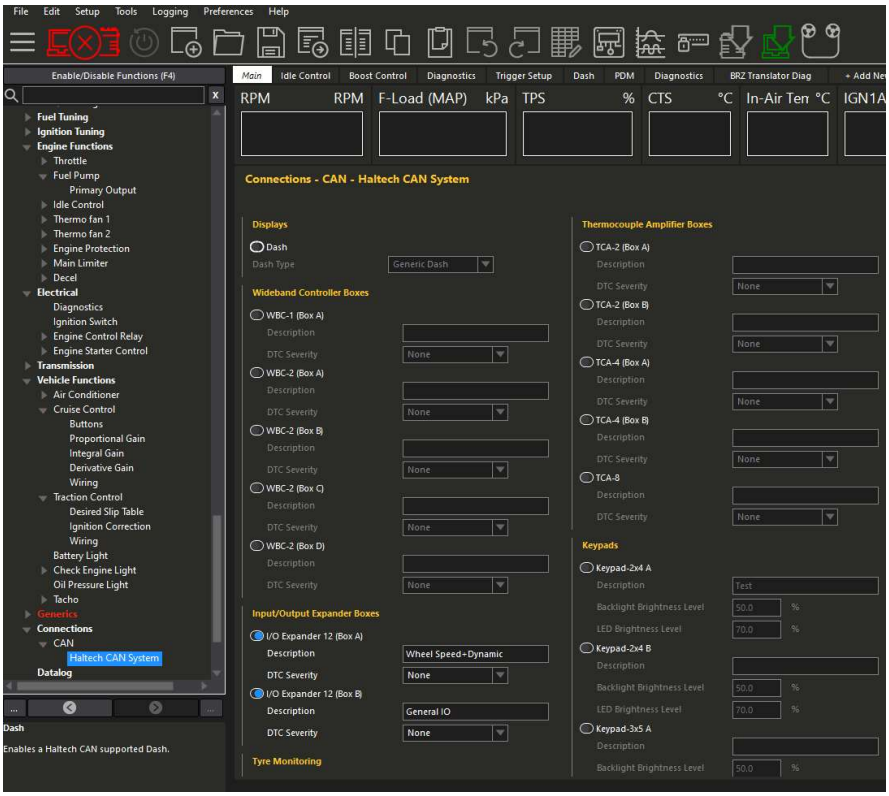
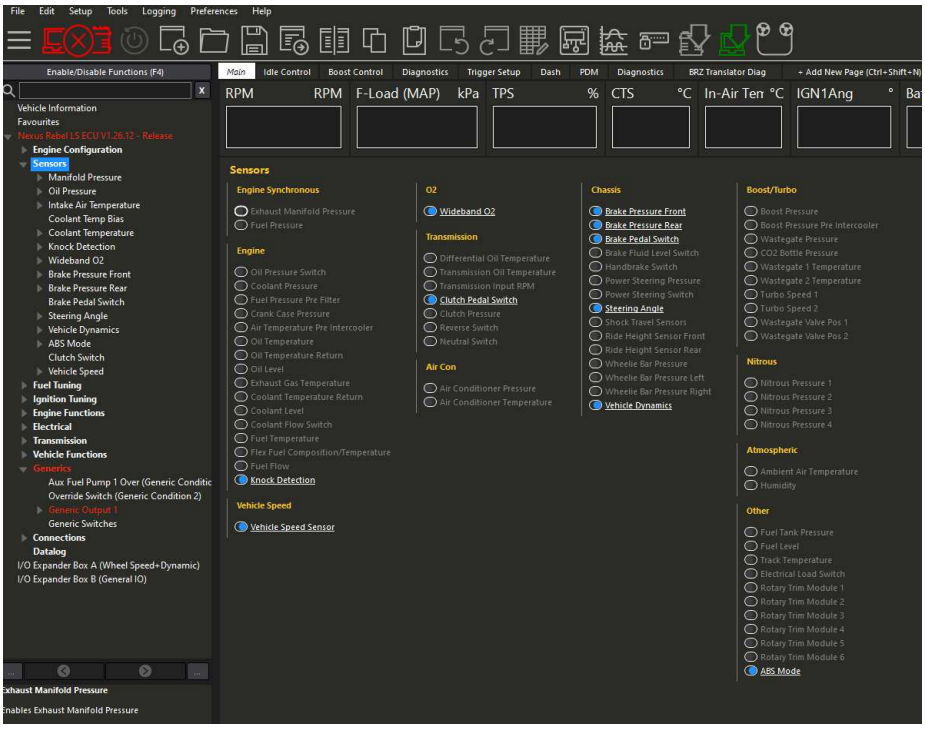
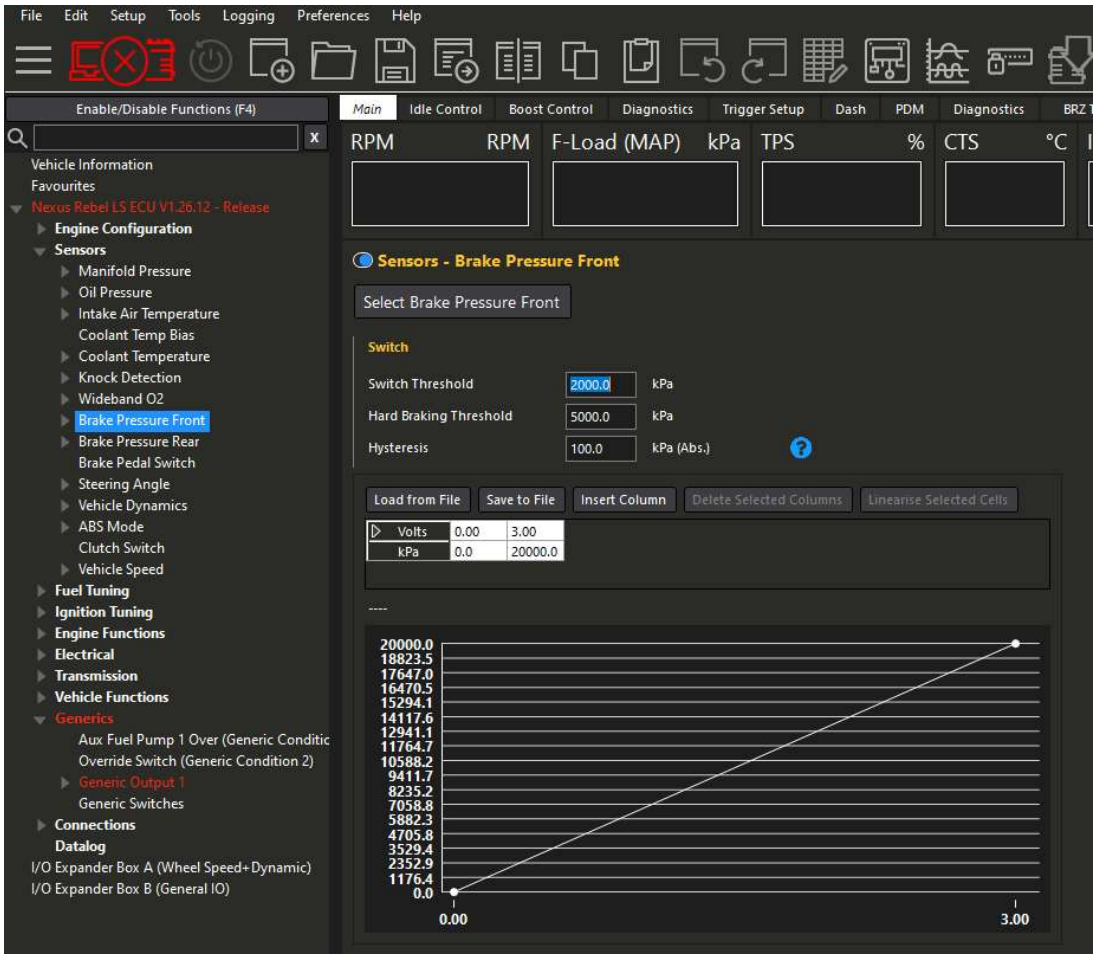
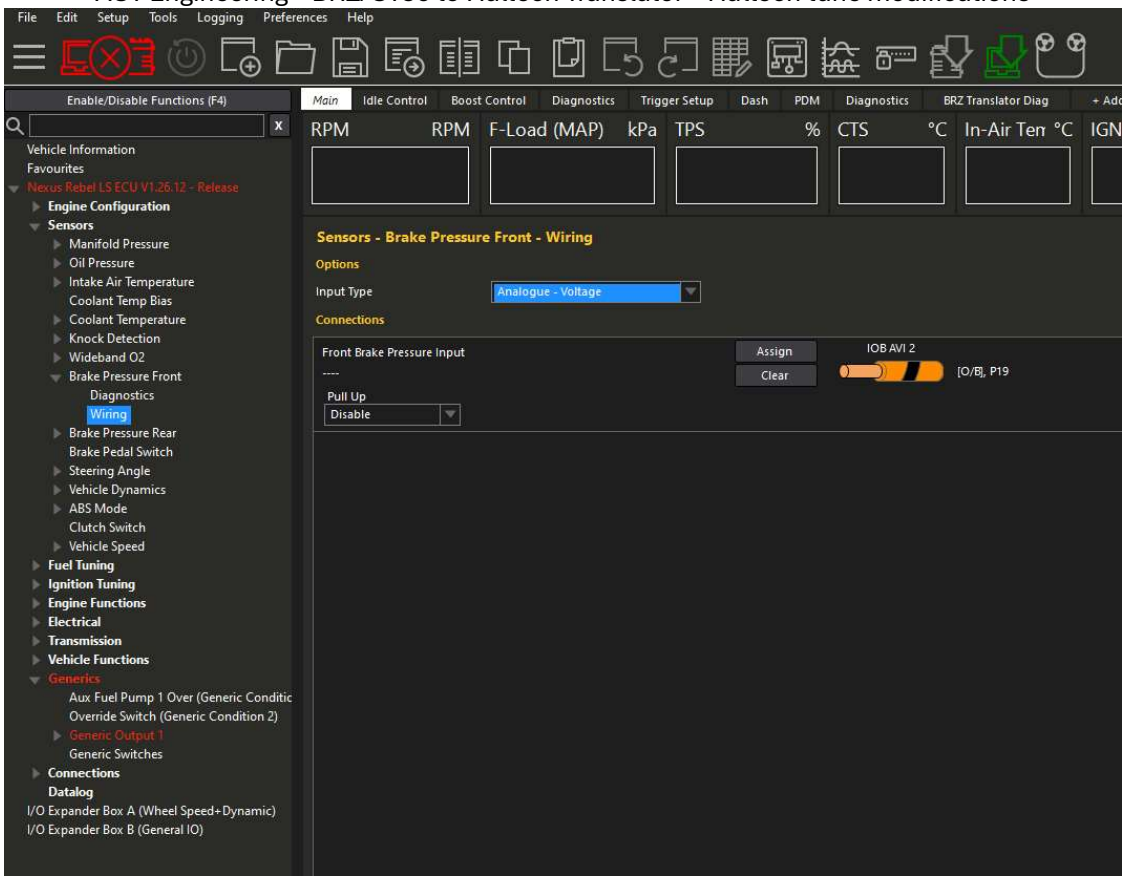


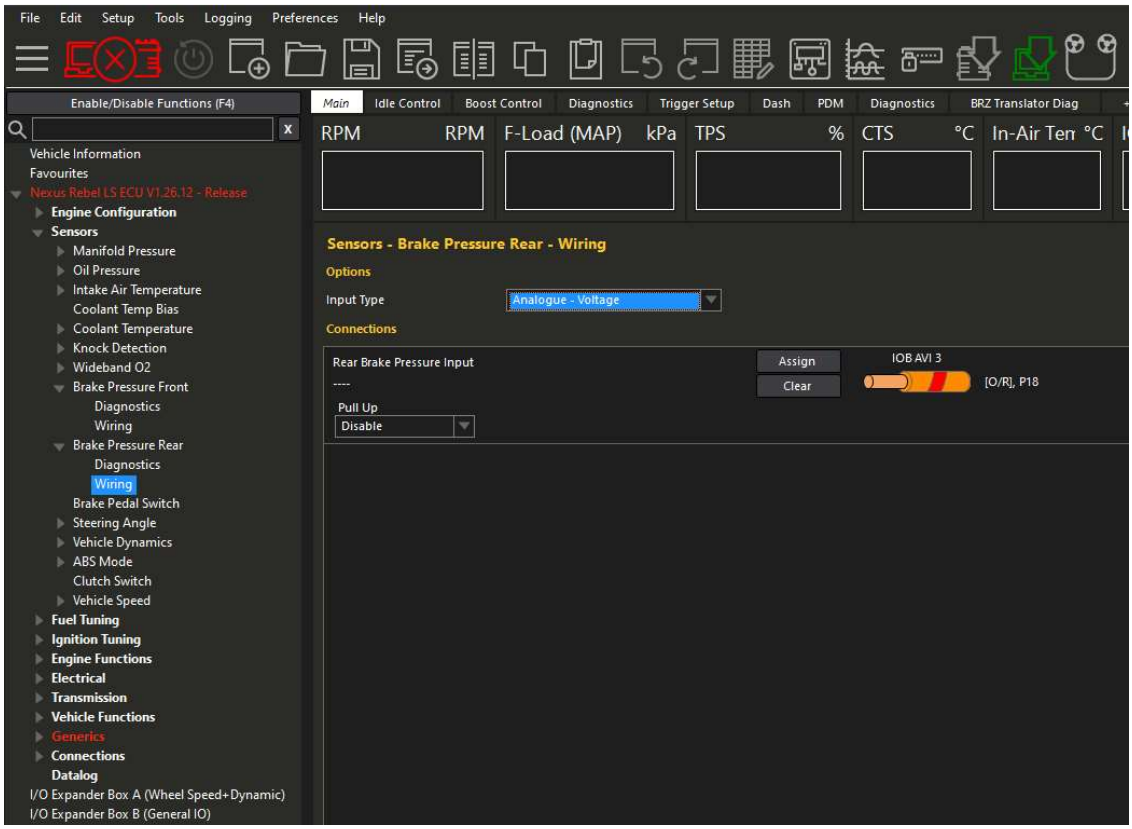
First of all you need to add the two I/O expander boxes (A+B). The translator emulates the two Haltech expander boxes to provide the Inputs/Outputs to/from the Haltech to the BRZ/GT86 With inputs including wheel speeds, G Force and Steering Angle (from ABS). Also START request, AC request, Cruise switch and clutch switch. Haltech Outputs include AC Compressor Command and Starter Relay.

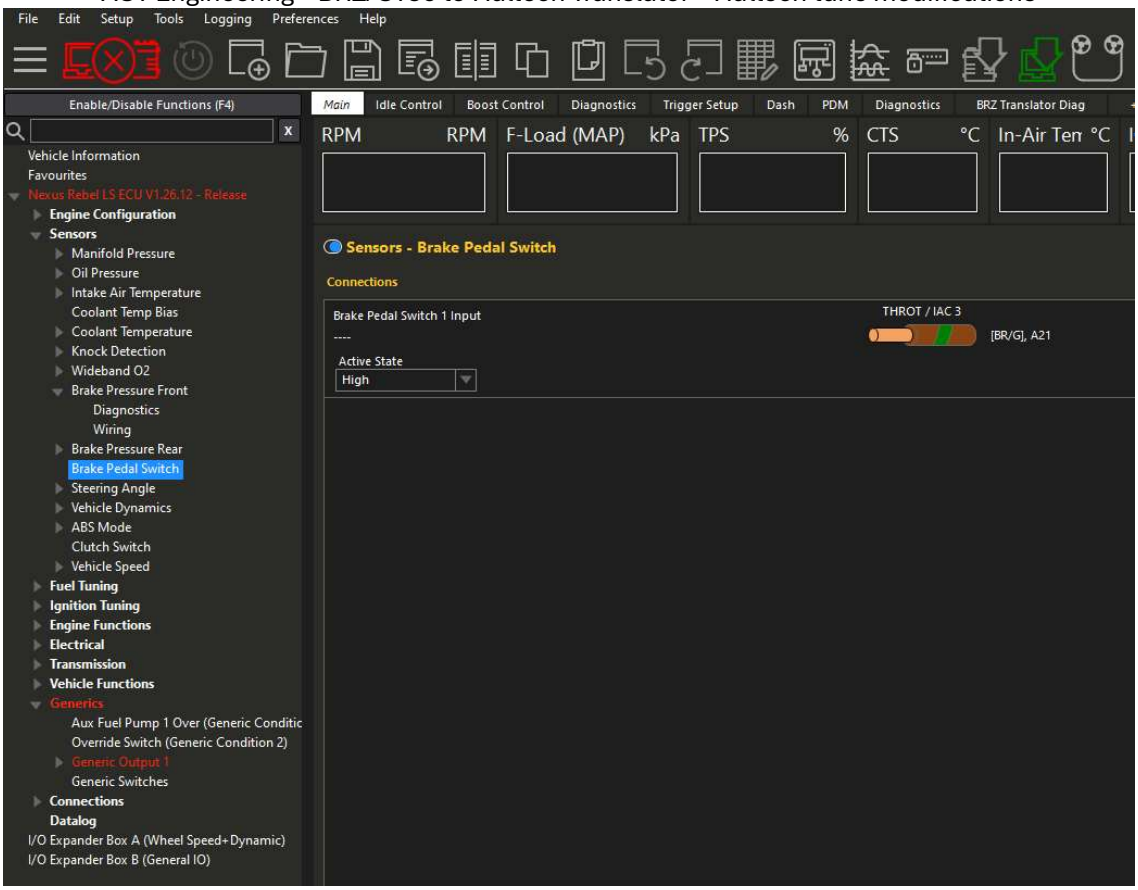


Toggle options for Clutch Pedal, Braker Pressure, Steering angle, Vehicle Dynamics and ABS Mode (ABS mode is the mode of the OEM ABS unit from the user buttons (Normal, Sport VDC OFF etc)).

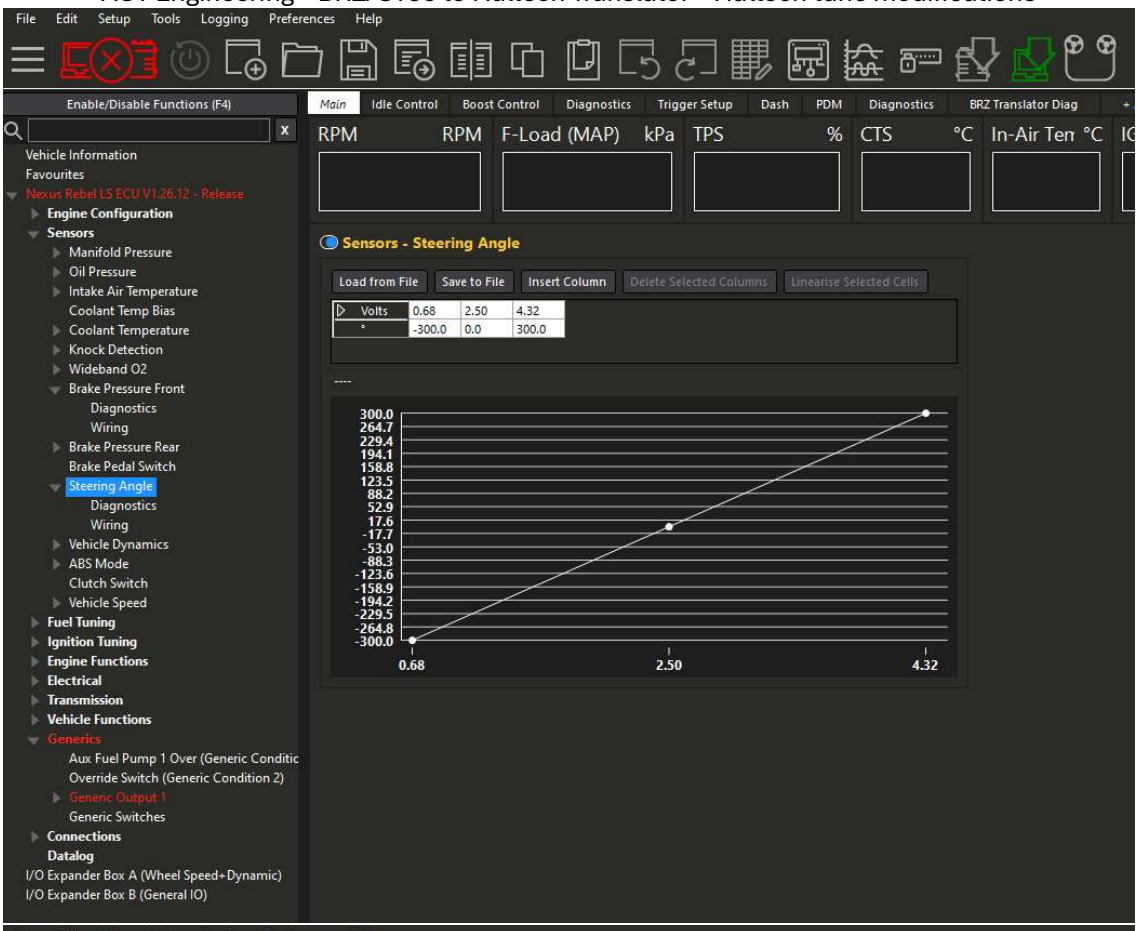

File Edit Setup Tools Logging Preferences Help
Enable/Disable Functions (F4)
Vehicle Information
Favourites
Nexus Rebel LS ECU V1.26.12 - Release
Engine Configuration
Sensors
Manifold Pressure
Oil Pressure
Intake Air Temperature
Coolant Temp Bias
Coolant Temperature
Knock Detection
Wideband O2
Brake Pressure Front
Brake Pressure Rear
Brake Pedal Switch
Steering Angle
Vehicle Dynamics
ABS Mode
Clutch Switch
Vehicle Speed
Fuel Tuning
Ignition Tuning
Engine Functions
Electrical
Transmission
Vehicle Functions
Generics
Aux Fuel Pump 1 Over (Generic Conditic
Override Switch (Generic Condition 2)
Generic Output 1
Generic Switches
Connections
Datalog
I/O Expander Box A (Wheel Speed+Dynamic)
I/O Expander Box B (General IO)
Main
Idle Control
Boost Control
Diagnostics
Trigger Setup
Dash
PDM
Diagnostics
RPM RPM
F-Load (MAP) kPa
TPS %
CTS °C
Sensors - Brake Pressure Front
Select Brake Pressure Front
Switch
Switch Threshold 2000.0 kPa
Hard Braking Threshold 5000.0 kPa
Hysteresis 100.0 kPa (Abs.)
Load from File
Save to File
Insert Column
Delete Selected Columns
Linearise Selected Cells
Volts 0.00 3.00
kPa 0.0 20000.0
20000.0
18823.5
17647.0
16470.5
15294.1
14117.6
12941.1
11764.7
10588.2
9411.7
8235.2
7058.8
5882.3
4705.8
3529.4
2352.9
1176.4
0.0
0.00
3.00

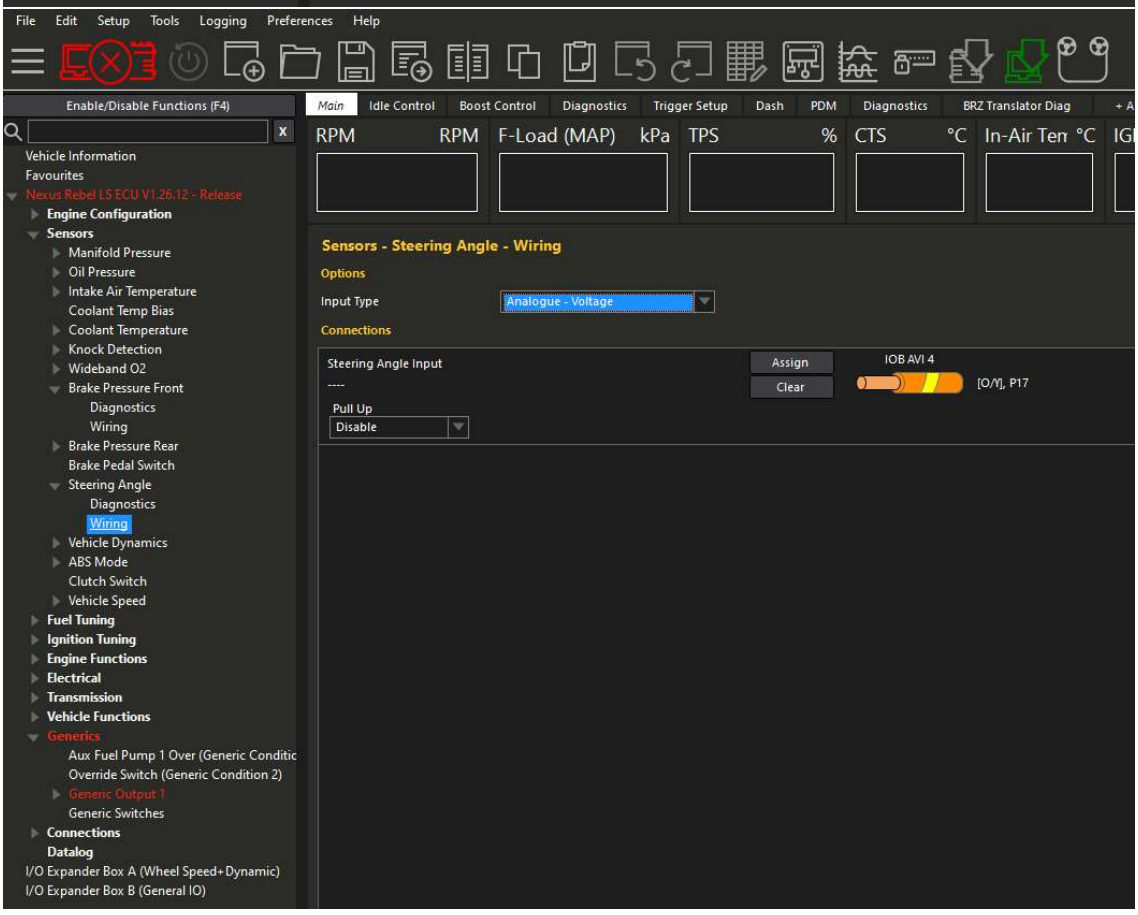

File Edit Setup Tools Logging Preferences Help
Enable/Disable Functions (F4)
Vehicle Information
Favourites
Nexus Rebel LS ECU V1.26.12 - Release
Engine Configuration
Sensors
Manifold Pressure
Oil Pressure
Intake Air Temperature
Coolant Temp Bias
Coolant Temperature
Knock Detection
Wideband O2
Brake Pressure Front
Diagnostics
Wiring
Brake Pressure Rear
Brake Pedal Switch
Steering Angle
Vehicle Dynamics
ABS Mode
Clutch Switch
Vehicle Speed
Fuel Tuning
Ignition Tuning
Engine Functions
Electrical
Transmission
Vehicle Functions
Generics
Aux Fuel Pump 1 Over (Generic Conditic
Override Switch (Generic Condition 2)
Generic Output 1
Generic Switches
Connections
Datalog
I/O Expander Box A (Wheel Speed+Dynamic)
I/O Expander Box B (General IO)
Main
Idle Control
Boost Control
Diagnostics
Trigger Setup
Dash
PDM
Diagnostics
BRZ Translator Diag
RPM
F-Load (MAP) kPa
TPS %
CTS °C
In-Air Tem °C
Sensors - Brake Pressure Front - Wiring
Options
Input Type
Analogue - Voltage
Connections
Front Brake Pressure Input
Assign
Clear
IOB AVI 2
[O/B], P19
Pull Up
Disable


File Edit Setup Tools Logging Preferences Help
Enable/Disable Functions (F4)
Vehicle Information
Favourites
Nexus Rebel LS ECU V1.26.12 - Release
Engine Configuration
Sensors
Manifold Pressure
Oil Pressure
Intake Air Temperature
Coolant Temp Bias
Coolant Temperature
Knock Detection
Wideband O2
Brake Pressure Front
Diagnostics
Wiring
Brake Pressure Rear
Diagnostics
Wiring
Brake Pedal Switch
Steering Angle
Vehicle Dynamics
ABS Mode
Clutch Switch
Vehicle Speed
Fuel Tuning
Ignition Tuning
Engine Functions
Electrical
Transmission
Vehicle Functions
Generics
Connections
Datalog
I/O Expander Box A (Wheel Speed+Dynamic)
I/O Expander Box B (General IO)
Main
Idle Control
Boost Control
Diagnostics
Trigger Setup
Dash
PDM
Diagnostics
BRZ Translator Diag
RPM
F-Load (MAP) kPa
TPS %
CTS °C
In-Air Tem °C
Sensors - Brake Pressure Rear - Wiring
Options
Input Type
Analogue - Voltage
Connections
Rear Brake Pressure Input
Assign
Clear
IOB AVI 3
[O/R], P18
Pull Up
Disable

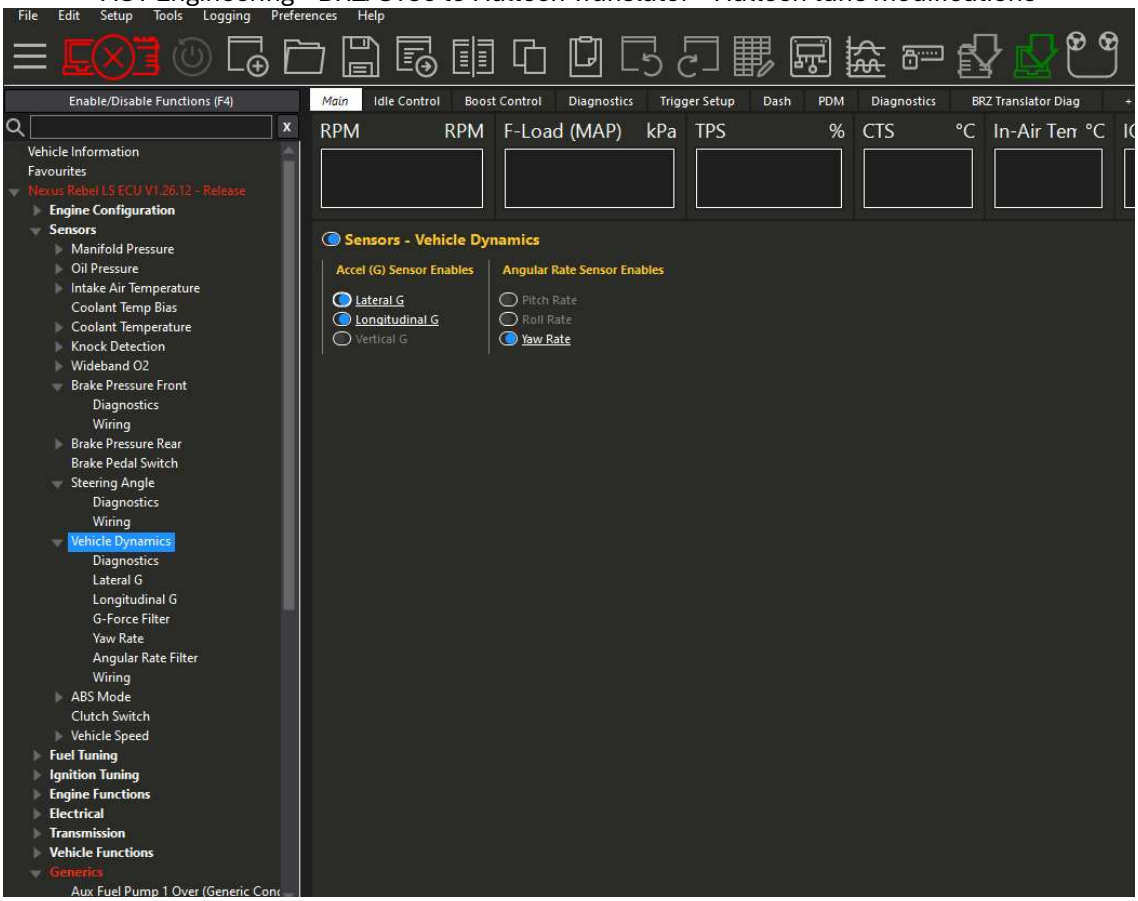

File Edit Setup Tools Logging Preferences Help
Enable/Disable Functions (F4)
Vehicle Information
Favourites
Nexus Rebel LS ECU V1.26.12 - Release
Engine Configuration
Sensors
Manifold Pressure
Oil Pressure
Intake Air Temperature
Coolant Temp Bias
Coolant Temperature
Knock Detection
Wideband O2
Brake Pressure Front
Diagnostics
Wiring
Brake Pressure Rear
Brake Pedal Switch
Steering Angle
Vehicle Dynamics
ABS Mode
Clutch Switch
Vehicle Speed
Fuel Tuning
Ignition Tuning
Engine Functions
Electrical
Transmission
Vehicle Functions
Generics
Aux Fuel Pump 1 Over (Generic Conditic
Override Switch (Generic Condition 2)
Generic Output 1
Generic Switches
Connections
Datalog
I/O Expander Box A (Wheel Speed+Dynamic)
I/O Expander Box B (General IO)
Main
Idle Control
Boost Control
Diagnostics
Trigger Setup
Dash
PDM
Diagnostics
BRZ Translator Diag
RPM RPM
F-Load (MAP) kPa
TPS %
CTS °C
In-Air Tem °C
Sensors - Brake Pedal Switch
Connections
Brake Pedal Switch 1 Input

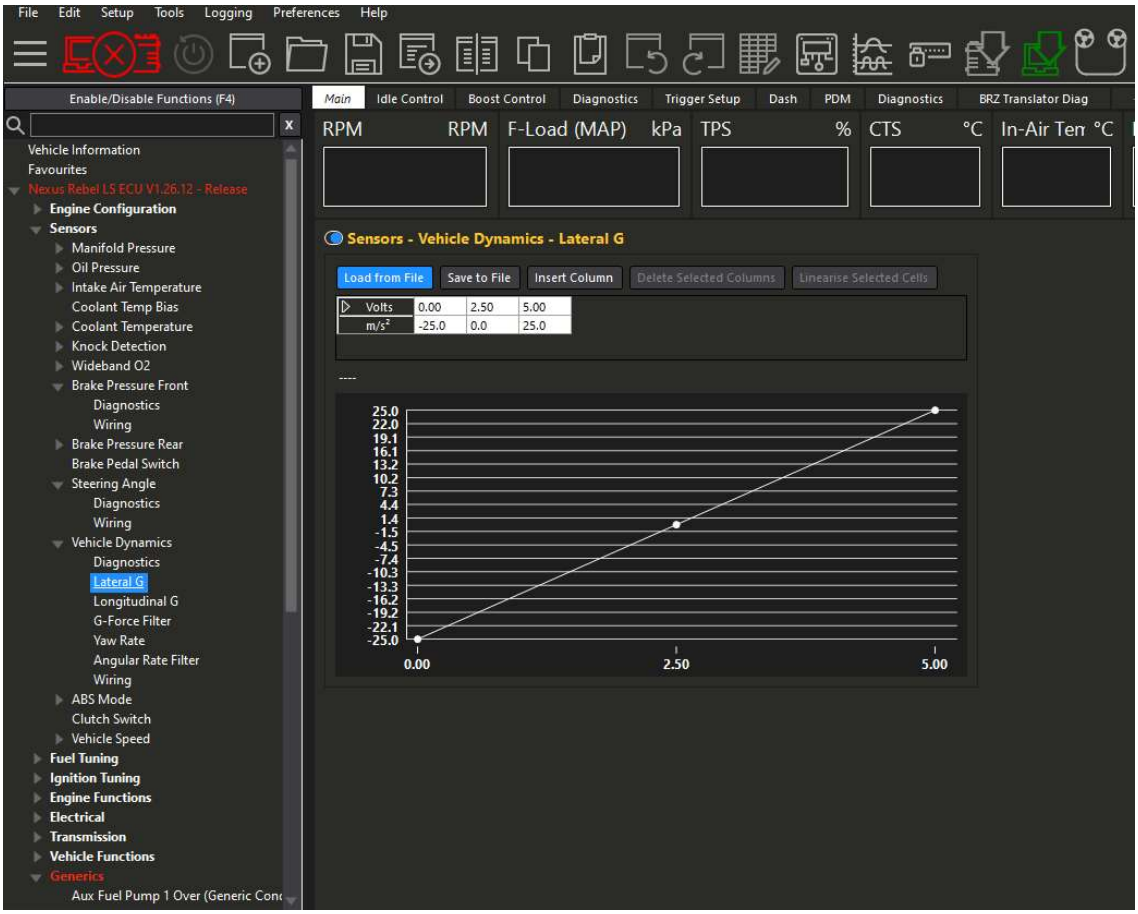
Active State
High
THROT / IAC 3
[BR/G], A21

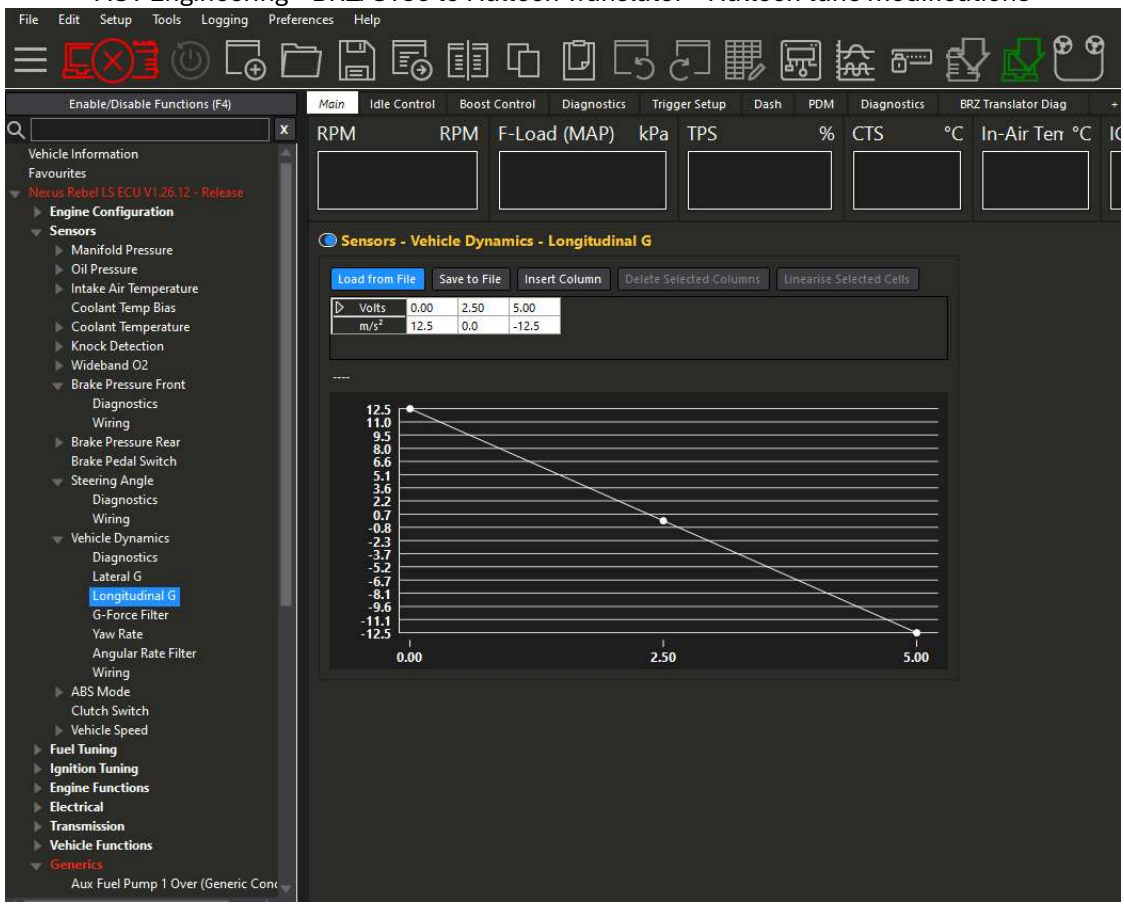

File Edit Setup Tools Logging Preferences Help
Enable/Disable Functions (F4)
Vehicle Information
Favourites
Nexus Rebel LS ECU V1.26.12 - Release
Engine Configuration
Sensors
Manifold Pressure
Oil Pressure
Intake Air Temperature
Coolant Temp Bias
Coolant Temperature
Knock Detection
Wideband O2
Brake Pressure Front
Diagnostics
Wiring
Brake Pressure Rear
Brake Pedal Switch
Steering Angle
Diagnostics
Wiring
Vehicle Dynamics
ABS Mode
Clutch Switch
Vehicle Speed
Fuel Tuning
Ignition Tuning
Engine Functions
Electrical
Transmission
Vehicle Functions
Generics
Aux Fuel Pump 1 Over (Generic Conditic
Override Switch (Generic Condition 2)
Generic Output 1
Generic Switches
Connections
Datalog
I/O Expander Box A (Wheel Speed+Dynamic)
I/O Expander Box B (General IO)
Main
Idle Control
Boost Control
Diagnostics
Trigger Setup
Dash
PDM
Diagnostics
BRZ Translator Diag
RPM RPM
F-Load (MAP) kPa
TPS %
CTS °C
In-Air Tem °C
Sensors - Steering Angle
Load from File
Save to File
Insert Column
Delete Selected Columns
Linearise Selected Cells
Volts 0.68 2.50 4.32
° -300.0 0.0 300.0
300.0
264.7
229.4
194.1
158.8
123.5
88.2
52.9
17.6
-17.7
-53.0
-88.3
-123.6
-158.9
-194.2
-229.5
-264.8
-300.0
0.68
2.50
4.32

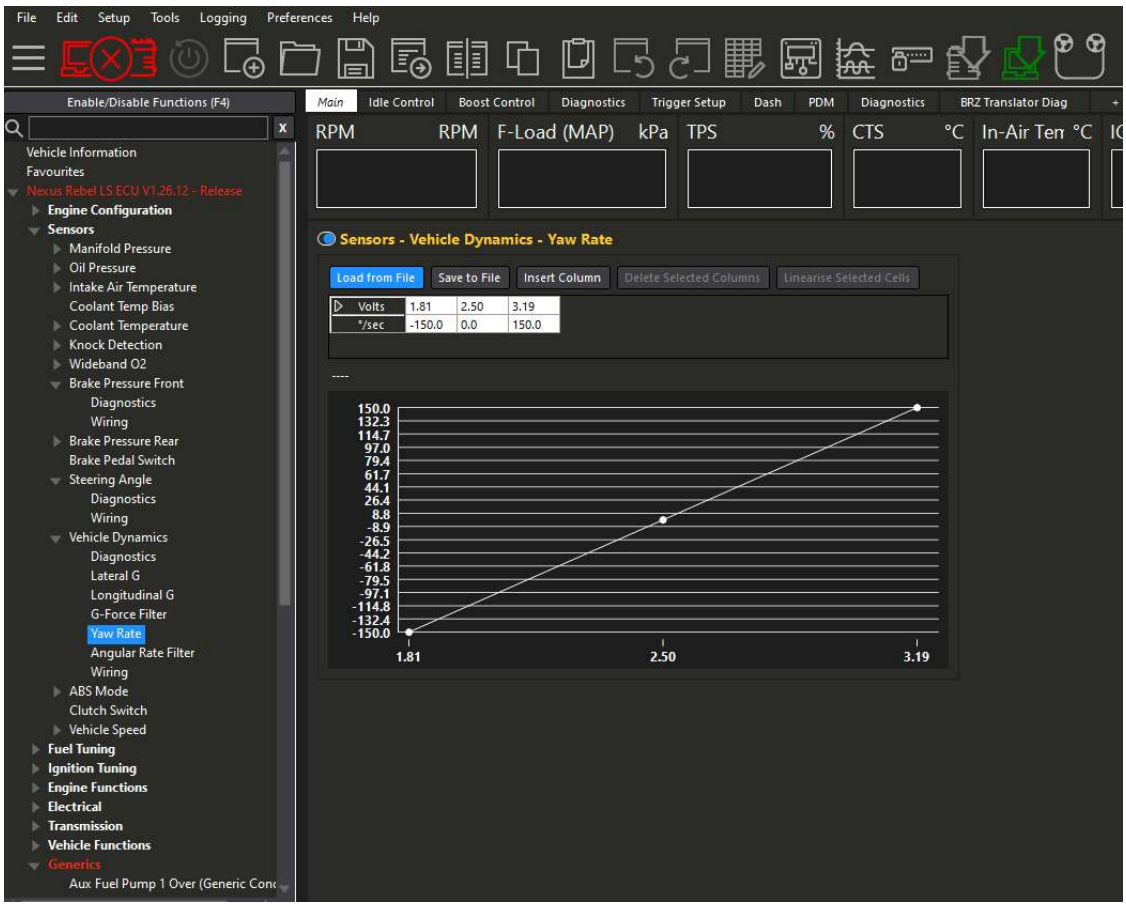

File Edit Setup Tools Logging Preferences Help
Enable/Disable Functions (F4)
Vehicle Information
Favourites
Nexus Rebel LS ECU V1.26.12 - Release
Engine Configuration
Sensors
Manifold Pressure
Oil Pressure
Intake Air Temperature
Coolant Temp Bias
Coolant Temperature
Knock Detection
Wideband O2
Brake Pressure Front
Diagnostics
Wiring
Brake Pressure Rear
Brake Pedal Switch
Steering Angle
Diagnostics
Wiring
Vehicle Dynamics
ABS Mode
Clutch Switch
Vehicle Speed
Fuel Tuning
Ignition Tuning
Engine Functions
Electrical
Transmission
Vehicle Functions
Generics
Aux Fuel Pump 1 Over (Generic Conditic
Override Switch (Generic Condition 2)
Generic Output 1
Generic Switches
Connections
Datalog
I/O Expander Box A (Wheel Speed+Dynamic)
I/O Expander Box B (General IO)
Main
Idle Control
Boost Control
Diagnostics
Trigger Setup
Dash
PDM
Diagnostics
BRZ Translator Diag
RPM RPM
F-Load (MAP) kPa
TPS %
CTS °C
In-Air Tem °C
Sensors - Steering Angle - Wiring
Options
Input Type
Analogue - Voltage
Connections
Steering Angle Input

Assign
Clear
IOB AVI 4
[O/Y], P17
Pull Up
Disable


File Edit Setup Tools Logging Preferences Help
Enable/Disable Functions (F4)
Vehicle Information
Favourites
Nexus Rebel LS ECU V1.26.12 - Release
Engine Configuration
Sensors
Manifold Pressure
Oil Pressure
Intake Air Temperature
Coolant Temp Bias
Coolant Temperature
Knock Detection
Wideband O2
Brake Pressure Front
Diagnostics
Wiring
Brake Pressure Rear
Brake Pedal Switch
Steering Angle
Diagnostics
Wiring
Vehicle Dynamics
Diagnostics
Lateral G
Longitudinal G
G-Force Filter
Yaw Rate
Angular Rate Filter
Wiring
ABS Mode
Clutch Switch
Vehicle Speed
Fuel Tuning
Ignition Tuning
Engine Functions
Electrical
Transmission
Vehicle Functions
Generics
Aux Fuel Pump 1 Over (Generic Conc
Main
Idle Control
Boost Control
Diagnostics
Trigger Setup
Dash
PDM
Diagnostics
BRZ Translator Diag
RPM RPM
F-Load (MAP) kPa
TPS %
CTS °C
In-Air Tem °C
Sensors - Vehicle Dynamics
Accel (G) Sensor Enables
Lateral G
Longitudinal G
Vertical G
Angular Rate Sensor Enables
Pitch Rate
Roll Rate
Yaw Rate


File Edit Setup Tools Logging Preferences Help
Enable/Disable Functions (F4)
Vehicle Information
Favourites
Nexus Rebel LS ECU V1.26.12 - Release
Engine Configuration
Sensors
Manifold Pressure
Oil Pressure
Intake Air Temperature
Coolant Temp Bias
Coolant Temperature
Knock Detection
Wideband O2
Brake Pressure Front
Diagnostics
Wiring
Brake Pressure Rear
Brake Pedal Switch
Steering Angle
Diagnostics
Wiring
Vehicle Dynamics
Diagnostics
Lateral G
Longitudinal G
G-Force Filter
Yaw Rate
Angular Rate Filter
Wiring
ABS Mode
Clutch Switch
Vehicle Speed
Fuel Tuning
Ignition Tuning
Engine Functions
Electrical
Transmission
Vehicle Functions
Generics
Aux Fuel Pump 1 Over (Generic Conc
Main
Idle Control
Boost Control
Diagnostics
Trigger Setup
Dash
PDM
Diagnostics
BRZ Translator Diag
RPM RPM
F-Load (MAP) kPa
TPS %
CTS °C
In-Air Tem °C
Sensors - Vehicle Dynamics - Lateral G
Load from File
Save to File
Insert Column
Delete Selected Columns
Linearise Selected Cells
Volts 0.00 2.50 5.00
m/s² -25.0 0.0 25.0
25.0
22.0
19.1
16.1
13.2
10.2
7.3
4.4
1.4
-1.5
-4.5
-7.4
-10.3
-13.3
-16.2
-19.2
-22.1
-25.0
0.00
2.50
5.00


File Edit Setup Tools Logging Preferences Help
Enable/Disable Functions (F4)
Vehicle Information
Favourites
Nexus Rebel LS ECU V1.26.12 - Release
Engine Configuration
Sensors
Manifold Pressure
Oil Pressure
Intake Air Temperature
Coolant Temp Bias
Coolant Temperature
Knock Detection
Wideband O2
Brake Pressure Front
Diagnostics
Wiring
Brake Pressure Rear
Brake Pedal Switch
Steering Angle
Diagnostics
Wiring
Vehicle Dynamics
Diagnostics
Lateral G
Longitudinal G
G-Force Filter
Yaw Rate
Angular Rate Filter
Wiring
ABS Mode
Clutch Switch
Vehicle Speed
Fuel Tuning
Ignition Tuning
Engine Functions
Electrical
Transmission
Vehicle Functions
Generics
Aux Fuel Pump 1 Over (Generic Conc
Main
Idle Control
Boost Control
Diagnostics
Trigger Setup
Dash
PDM
Diagnostics
BRZ Translator Diag
RPM RPM
F-Load (MAP) kPa
TPS %
CTS °C
In-Air Tem °C
Sensors - Vehicle Dynamics - Longitudinal G
Load from File
Save to File
Insert Column
Delete Selected Columns
Linearise Selected Cells
Volts 0.00 2.50 5.00
m/s² 12.5 0.0 -12.5
12.5 11.0 9.5 8.0 6.6 5.1 3.6 2.2 0.7 -0.8 -2.3 -3.7 -5.2 -6.7 -8.1 -9.6 -11.1 -12.5
0.00 2.50 5.00


File Edit Setup Tools Logging Preferences Help
Enable/Disable Functions (F4)
Vehicle Information
Favourites
Nexus Rebel LS ECU V1.26.12 - Release
Engine Configuration
Sensors
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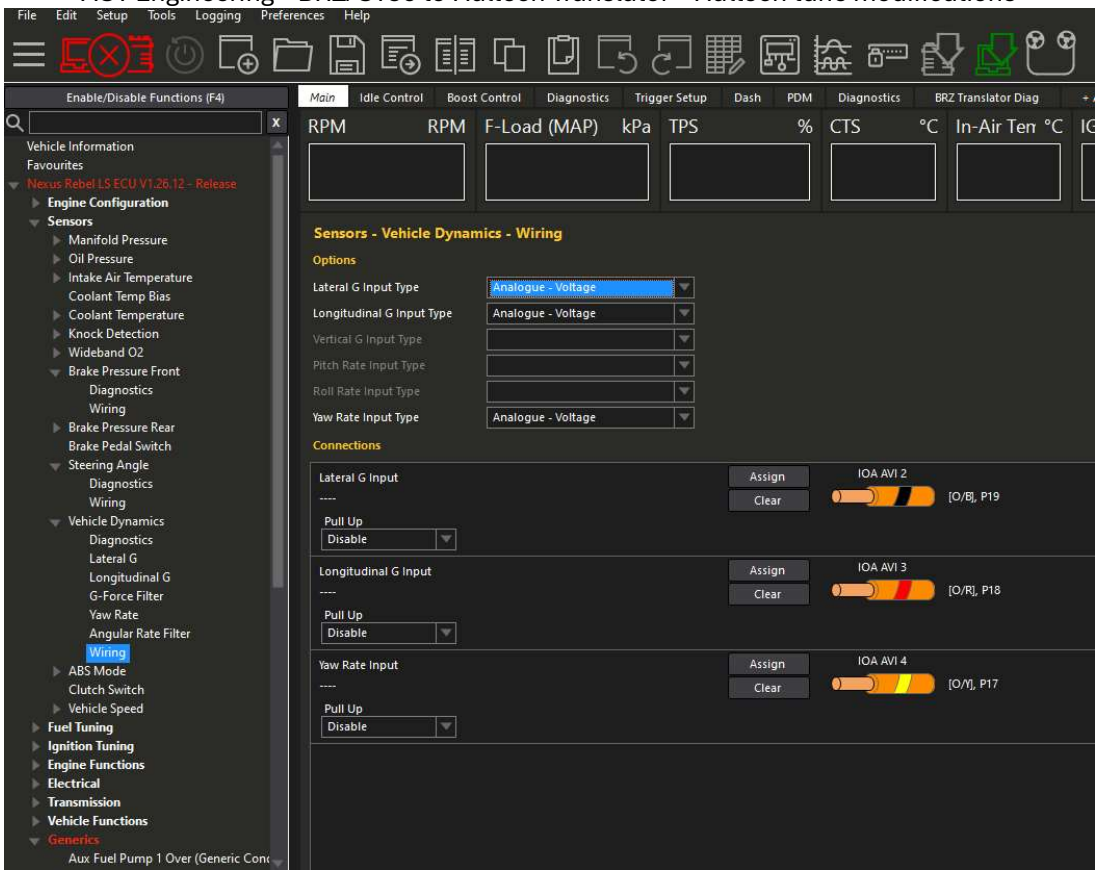
Oil Pressure
Intake Air Temperature
Coolant Temp Bias
Coolant Temperature
Knock Detection
Wideband O2
Brake Pressure Front
Diagnostics
Wiring
Brake Pressure Rear
Brake Pedal Switch
Steering Angle
Diagnostics
Wiring
Vehicle Dynamics
Diagnostics
Lateral G
Longitudinal G
G-Force Filter
Yaw Rate
Angular Rate Filter
Wiring
ABS Mode
Clutch Switch
Vehicle Speed
Fuel Tuning
Ignition Tuning
Engine Functions
Electrical
Transmission
Vehicle Functions
Generics
Aux Fuel Pump 1 Over (Generic Conc
Main
Idle Control
Boost Control
Diagnostics
Trigger Setup
Dash
PDM
Diagnostics
BRZ Translator Diag
RPM RPM
F-Load (MAP) kPa
TPS %
CTS °C
In-Air Tem °C
Sensors - Vehicle Dynamics - Yaw Rate
Load from File
Save to File
Insert Column
Delete Selected Columns
Linearise Selected Cells
Volts 1.81 2.50 3.19
°/sec -150.0 0.0 150.0
150.0 132.3 114.7 97.0 79.4 61.7 44.1 26.4 8.8 -8.9 -26.5 -44.2 -61.8 -79.5 -97.1 -114.8 -132.4 -150.0
1.81 2.50 3.19


File Edit Setup Tools Logging Preferences Help
Enable/Disable Functions (F4)
Vehicle Information
Favourites
Nexus Rebel LS ECU V1.26.12 - Release
Engine Configuration
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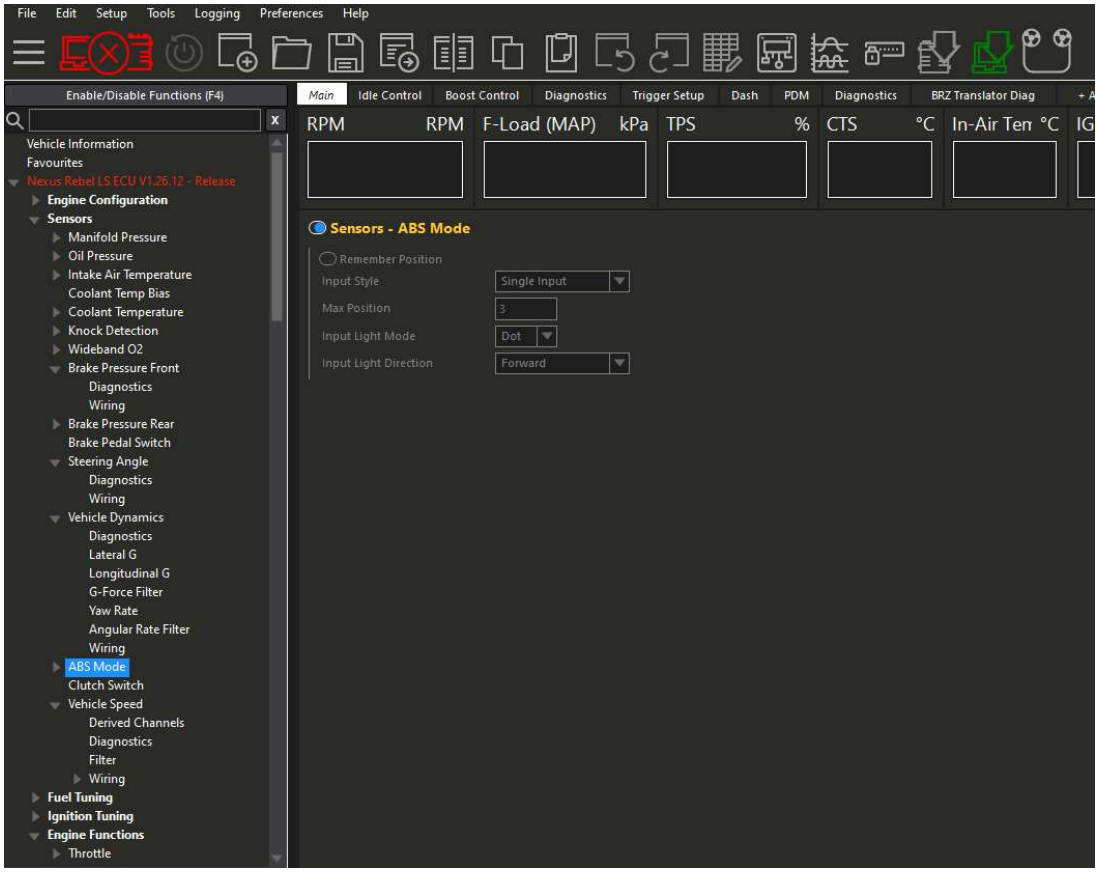
Oil Pressure
Intake Air Temperature
Coolant Temp Bias
Coolant Temperature
Knock Detection
Wideband O2
Brake Pressure Front
Diagnostics
Wiring
Brake Pressure Rear
Brake Pedal Switch
Steering Angle
Diagnostics
Wiring
Vehicle Dynamics
Diagnostics
Lateral G
Longitudinal G
G-Force Filter
Yaw Rate
Angular Rate Filter
Wiring
ABS Mode
Clutch Switch
Vehicle Speed
Fuel Tuning
Ignition Tuning
Engine Functions
Electrical
Transmission
Vehicle Functions
Generics
Aux Fuel Pump 1 Over (Generic Con
Main
Idle Control
Boost Control
Diagnostics
Trigger Setup
Dash
PDM
Diagnostics
BRZ Translator Diag
RPM RPM
F-Load (MAP) kPa
TPS %
CTS °C
In-Air Ten °C
Sensors - Vehicle Dynamics - Wiring
Options
Lateral G Input Type
Analogue - Voltage
Longitudinal G Input Type
Analogue - Voltage
Vertical G Input Type
Pitch Rate Input Type
Roll Rate Input Type
Yaw Rate Input Type
Analogue - Voltage
Connections
Lateral G Input
Assign
Clear
IOA AVI 2
[O/B], P19
Pull Up
Disable
Longitudinal G Input
Assign
Clear
IOA AVI 3
[O/R], P18
Pull Up
Disable
Yaw Rate Input
Assign
Clear
IOA AVI 4
[O/Y], P17
Pull Up
Disable


File Edit Setup Tools Logging Preferences Help
Enable/Disable Functions (F4)
Vehicle Information
Favourites
Nexus Rebel LS ECU V1.26.12 - Release
Engine Configuration
Sensors
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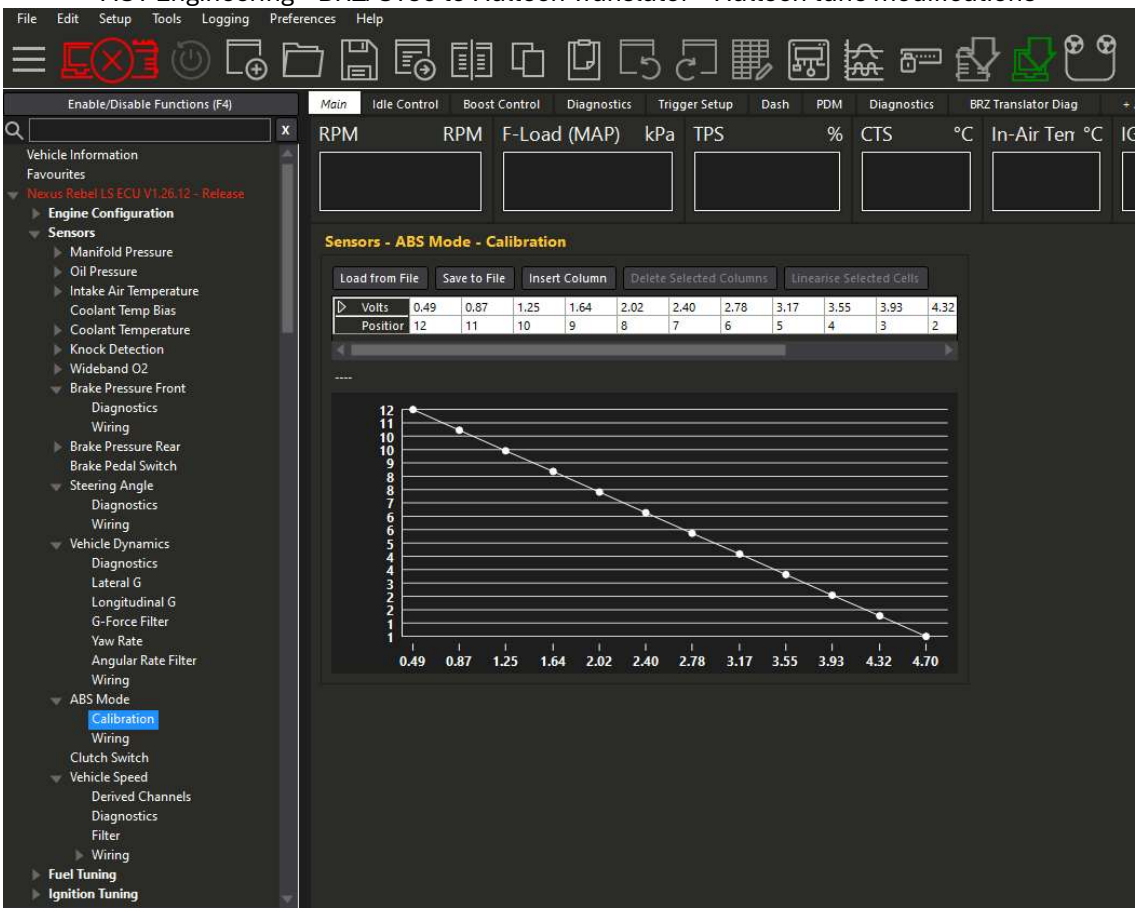
Intake Air Temperature
Coolant Temp Bias
Coolant Temperature
Knock Detection
Wideband O2
Brake Pressure Front
Diagnostics
Wiring
Brake Pressure Rear
Brake Pedal Switch
Steering Angle
Diagnostics
Wiring
Vehicle Dynamics
Diagnostics
Lateral G
Longitudinal G
G-Force Filter
Yaw Rate
Angular Rate Filter
Wiring
ABS Mode
Clutch Switch
Vehicle Speed
Derived Channels
Diagnostics
Filter
Wiring
Fuel Tuning
Ignition Tuning
Engine Functions
Throttle
Main
Idle Control
Boost Control
Diagnostics
Trigger Setup
Dash
PDM
Diagnostics
BRZ Translator Diag
RPM RPM
F-Load (MAP) kPa
TPS %
CTS °C
In-Air Ten °C
Sensors - ABS Mode
Remember Position
Input Style
Single Input
Max Position
3
Input Light Mode
Dot
Input Light Direction
Forward


File Edit Setup Tools Logging Preferences Help
Enable/Disable Functions (F4)
Vehicle Information
Favourites
Nexus Rebel LS ECU V1.26.12 - Release
Engine Configuration
Sensors
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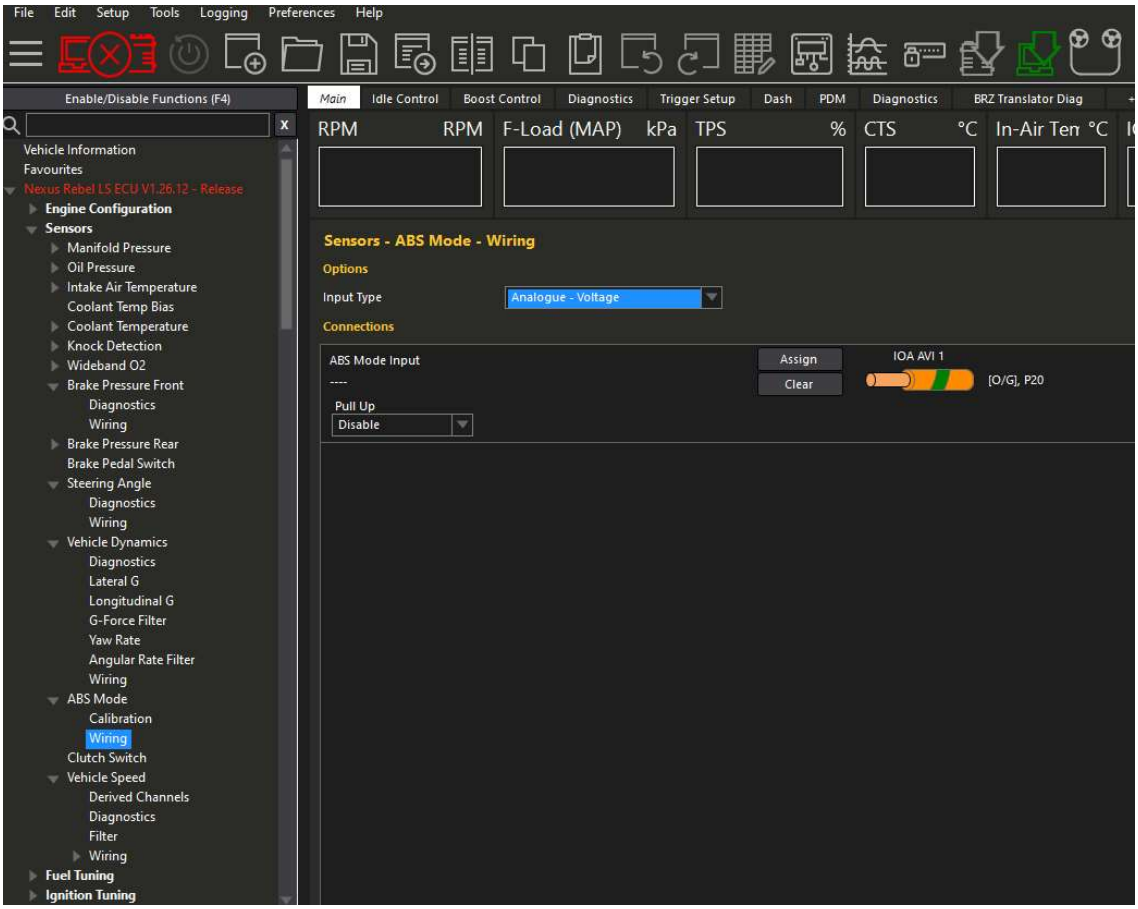
Coolant Temp Bias
Coolant Temperature
Knock Detection
Wideband O2
Brake Pressure Front
Diagnostics
Wiring
Brake Pressure Rear
Brake Pedal Switch
Steering Angle
Diagnostics
Wiring
Vehicle Dynamics
Diagnostics
Lateral G
Longitudinal G
G-Force Filter
Yaw Rate
Angular Rate Filter
Wiring
ABS Mode
Calibration
Wiring
Clutch Switch
Vehicle Speed
Derived Channels
Diagnostics
Filter
Wiring
Fuel Tuning
Ignition Tuning
Main
Idle Control
Boost Control
Diagnostics
Trigger Setup
Dash
PDM
Diagnostics
BRZ Translator Diag
RPM RPM
F-Load (MAP) kPa
TPS %
CTS °C
In-Air Tem °C
Sensors - ABS Mode - Calibration
Load from File
Save to File
Insert Column
Delete Selected Columns
Linearise Selected Cells
Volts 0.49 0.87 1.25 1.64 2.02 2.40 2.78 3.17 3.55 3.93 4.32
Position 12 11 10 9 8 7 6 5 4 3 2
0.49 0.87 1.25 1.64 2.02 2.40 2.78 3.17 3.55 3.93 4.32 4.70


File Edit Setup Tools Logging Preferences Help
Enable/Disable Functions (F4)
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Favourites
Nexus Rebel LS ECU V1.26.12 - Release
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Coolant Temperature
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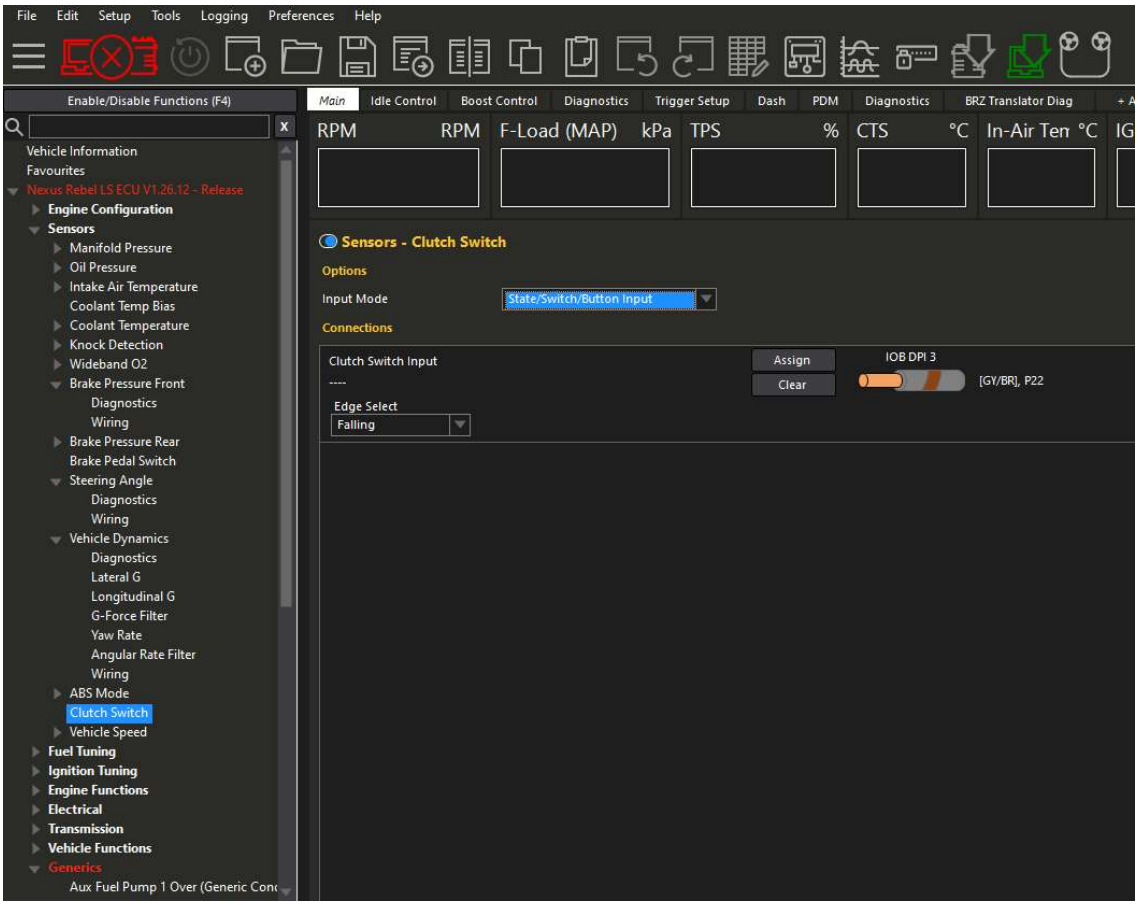
Wiring
Brake Pressure Rear
Brake Pedal Switch
Steering Angle
Diagnostics
Wiring
Vehicle Dynamics
Diagnostics
Lateral G
Longitudinal G
G-Force Filter
Yaw Rate
Angular Rate Filter
Wiring
ABS Mode
Calibration
Wiring
Clutch Switch
Vehicle Speed
Derived Channels
Diagnostics
Filter
Wiring
Fuel Tuning
Ignition Tuning
Main
Idle Control
Boost Control
Diagnostics
Trigger Setup
Dash
PDM
Diagnostics
BRZ Translator Diag
RPM RPM
F-Load (MAP) kPa
TPS %
CTS °C
In-Air Tem °C
Sensors - ABS Mode - Wiring
Options
Input Type
Analogue - Voltage
Connections
ABS Mode Input
Assign
Clear
IOA AVI 1
[O/G], P20
Pull Up
Disable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Edit
Setup
Tools
Logging
Preferences
Help
Enable/Disable Functions (F4)
Vehicle Information
Favourites
Nexus Rebel LS ECU V1.26.12 - Release
Engine Configuration
Sensors
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Intake Air Temperature
Coolant Temp Bias
Coolant Temperature
Knock Detection
Wideband O2
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Yaw Rate
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Vehicle Functions
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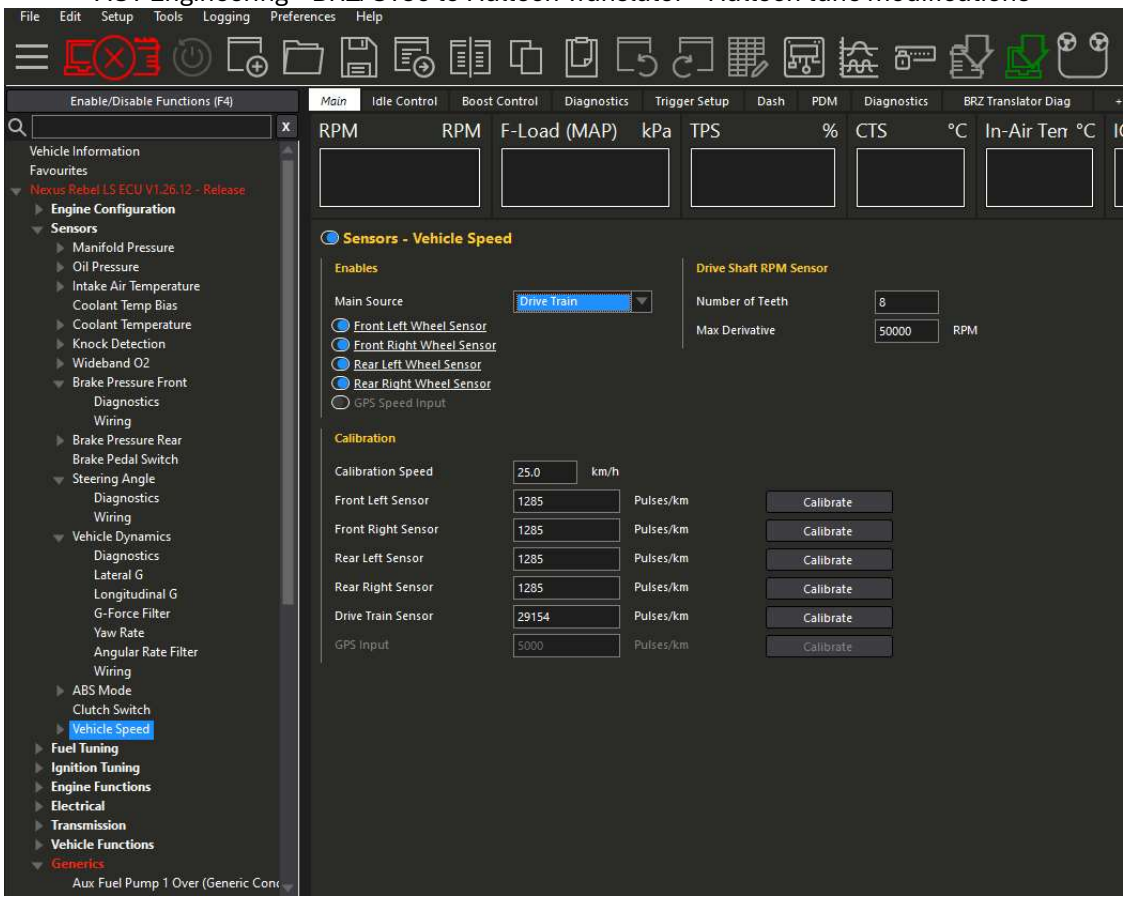
BRZ Translator Diag
RPM RPM
F-Load (MAP) kPa
TPS %
CTS °C
In-Air Tem °C
Sensors - Clutch Switch
Options
Input Mode
State/Switch/Button Input
Connections
Clutch Switch Input

Assign
Clear
IOB DPI 3
[GY/BR], P22
Edge Select
Falling


File Edit Setup Tools Logging Preferences Help
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Nexus Rebel LS ECU V1.26.12 - Release
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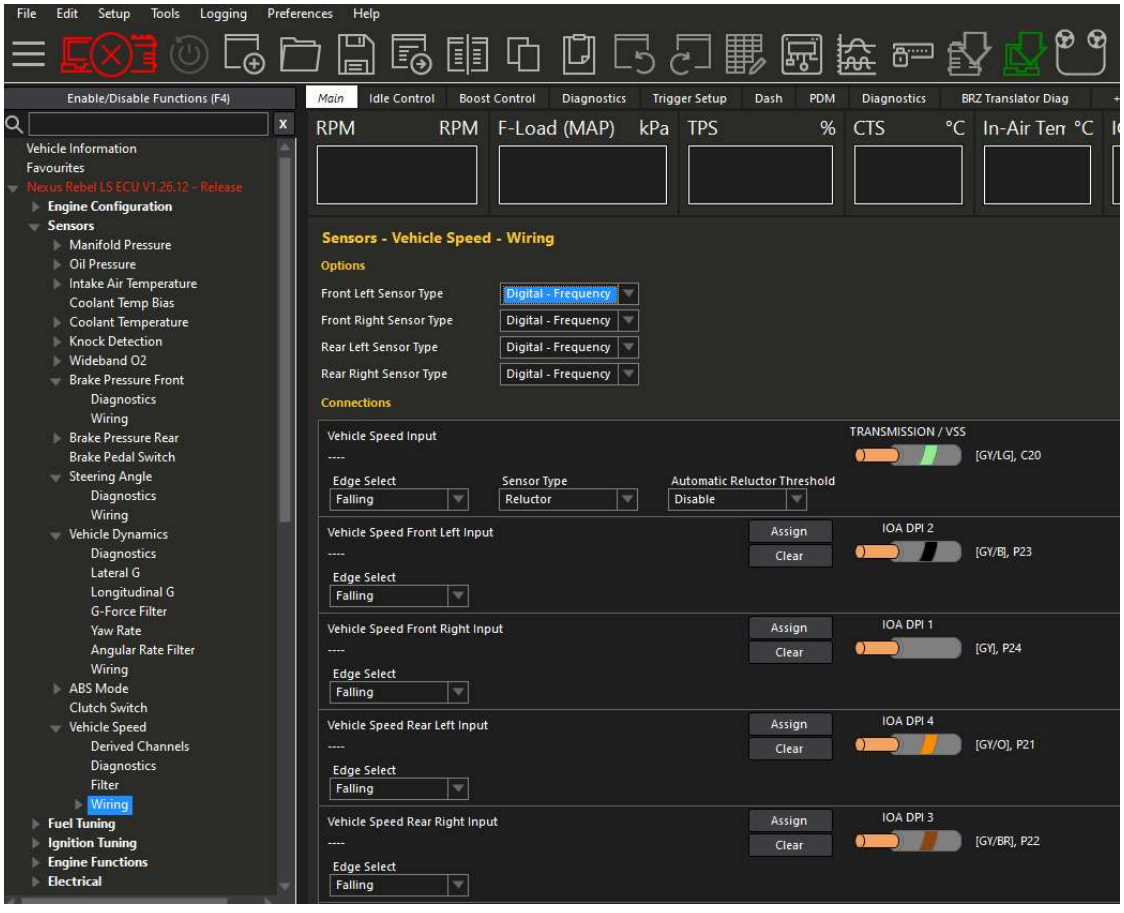
RPM RPM F-Load (MAP) kPa TPS % CTS °C In-Air Tem °C
Sensors - Vehicle Speed
Enables
Main Source Drive Train
Front Left Wheel Sensor
Front Right Wheel Sensor
Rear Left Wheel Sensor
Rear Right Wheel Sensor
GPS Speed Input
Drive Shaft RPM Sensor
Number of Teeth 8
Max Derivative 50000 RPM
Calibration
Calibration Speed 25.0 km/h
Front Left Sensor 1285 Pulses/km Calibrate
Front Right Sensor 1285 Pulses/km Calibrate
Rear Left Sensor 1285 Pulses/km Calibrate
Rear Right Sensor 1285 Pulses/km Calibrate
Drive Train Sensor 29154 Pulses/km Calibrate
GPS Input 5000 Pulses/km Calibrate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Sensors - Vehicle Speed - Wiring
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Front Left Sensor Type Digital - Frequency
Front Right Sensor Type Digital - Frequency
Rear Left Sensor Type Digital - Frequency
Rear Right Sensor Type Digital - Frequency
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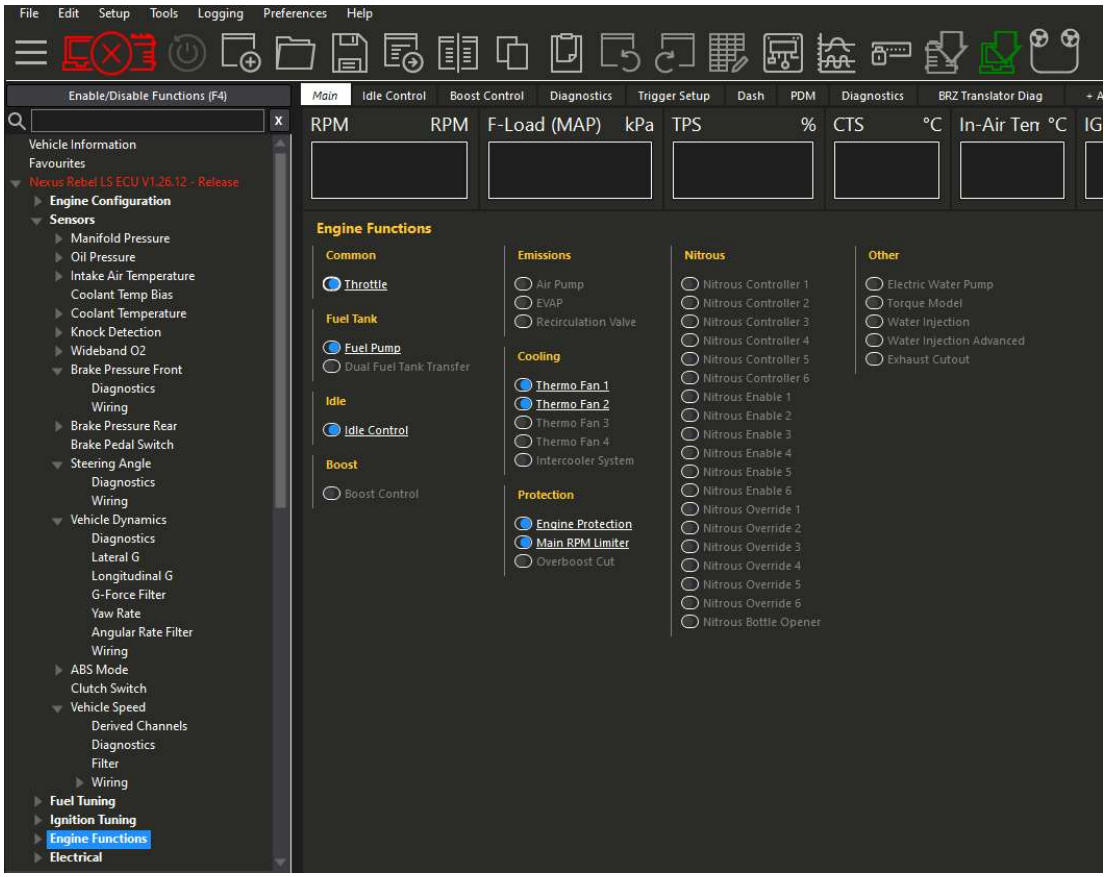
Vehicle Speed Input
TRANSMISSION / VSS
[GY/LG], C20
Edge Select Falling
Sensor Type Reluctor
Automatic Reluctor Threshold Disable
Vehicle Speed Front Left Input
Assign
Clear
IOA DPI 2
[GY/B], P23
Edge Select Falling
Vehicle Speed Front Right Input
Assign
Clear
IOA DPI 1
[GY], P24
Edge Select Falling
Vehicle Speed Rear Left Input
Assign
Clear
IOA DPI 4
[GY/O], P21
Edge Select Falling
Vehicle Speed Rear Right Input
Assign
Clear
IOA DPI 3
[GY/BR], P22
Edge Select Falling


File Edit Setup Tools Logging Preferences Help
Enable/Disable Functions (F4)
Main Idle Control Boost Control Diagnostics Trigger Setup Dash PDM Diagnostics BRZ Translator Diag
RPM RPM F-Load (MAP) kPa TPS % CTS °C In-Air Tem °C
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Fuel Pump
Dual Fuel Tank Transfer
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Idle Control
Boost
Boost Control
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Air Pump
EVAP
Recirculation Valve
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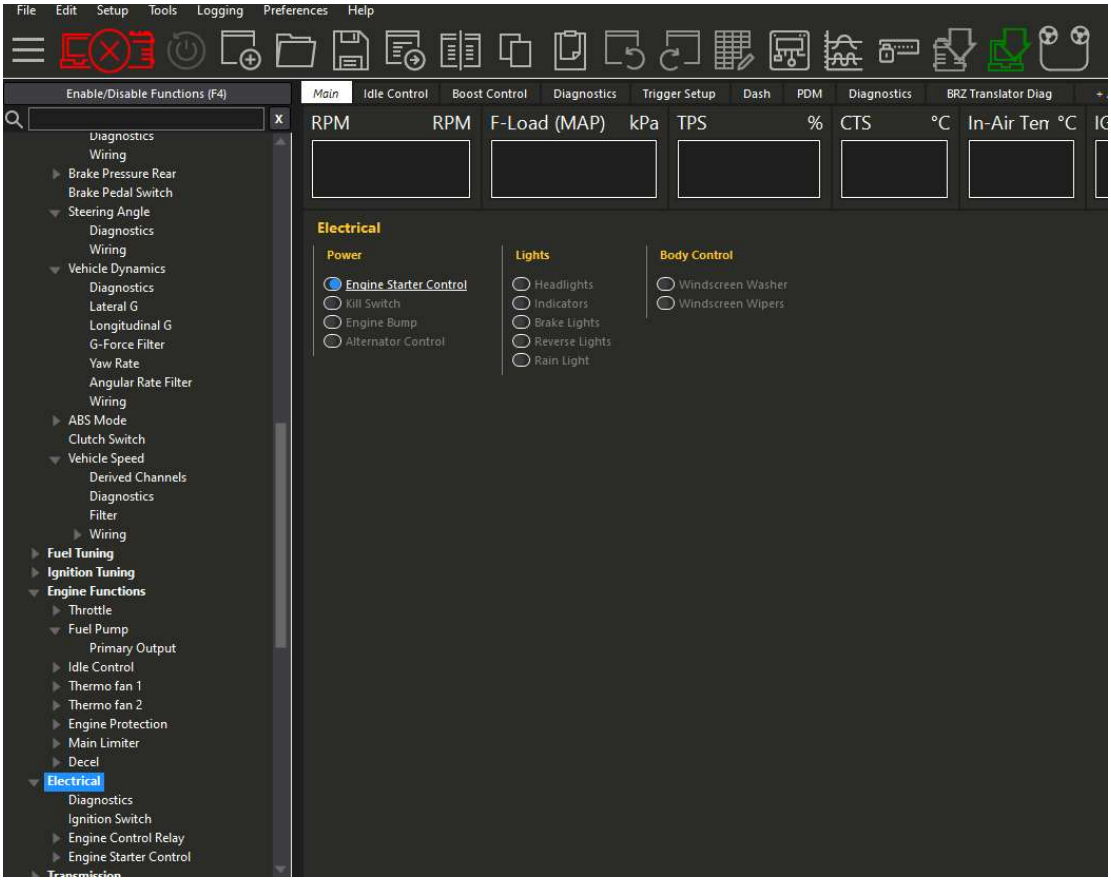
Thermo Fan 1
Thermo Fan 2
Thermo Fan 3
Thermo Fan 4
Intercooler System
Protection
Engine Protection
Main RPM Limiter
Overboost Cut
Nitrous
Nitrous Controller 1
Nitrous Controller 2
Nitrous Controller 3
Nitrous Controller 4
Nitrous Controller 5
Nitrous Controller 6
Nitrous Enable 1
Nitrous Enable 2
Nitrous Enable 3
Nitrous Enable 4
Nitrous Enable 5
Nitrous Enable 6
Nitrous Override 1
Nitrous Override 2
Nitrous Override 3
Nitrous Override 4
Nitrous Override 5
Nitrous Override 6
Nitrous Bottle Opener
Other
Electric Water Pump
Torque Model
Water Injection
Water Injection Advanced
Exhaust Cutout


File Edit Setup Tools Logging Preferences Help
Enable/Disable Functions (F4)
Main Idle Control Boost Control Diagnostics Trigger Setup Dash PDM Diagnostics BRZ Translator Diag
RPM RPM F-Load (MAP) kPa TPS % CTS °C In-Air Tem °C
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Longitudinal G
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Thermo fan 2
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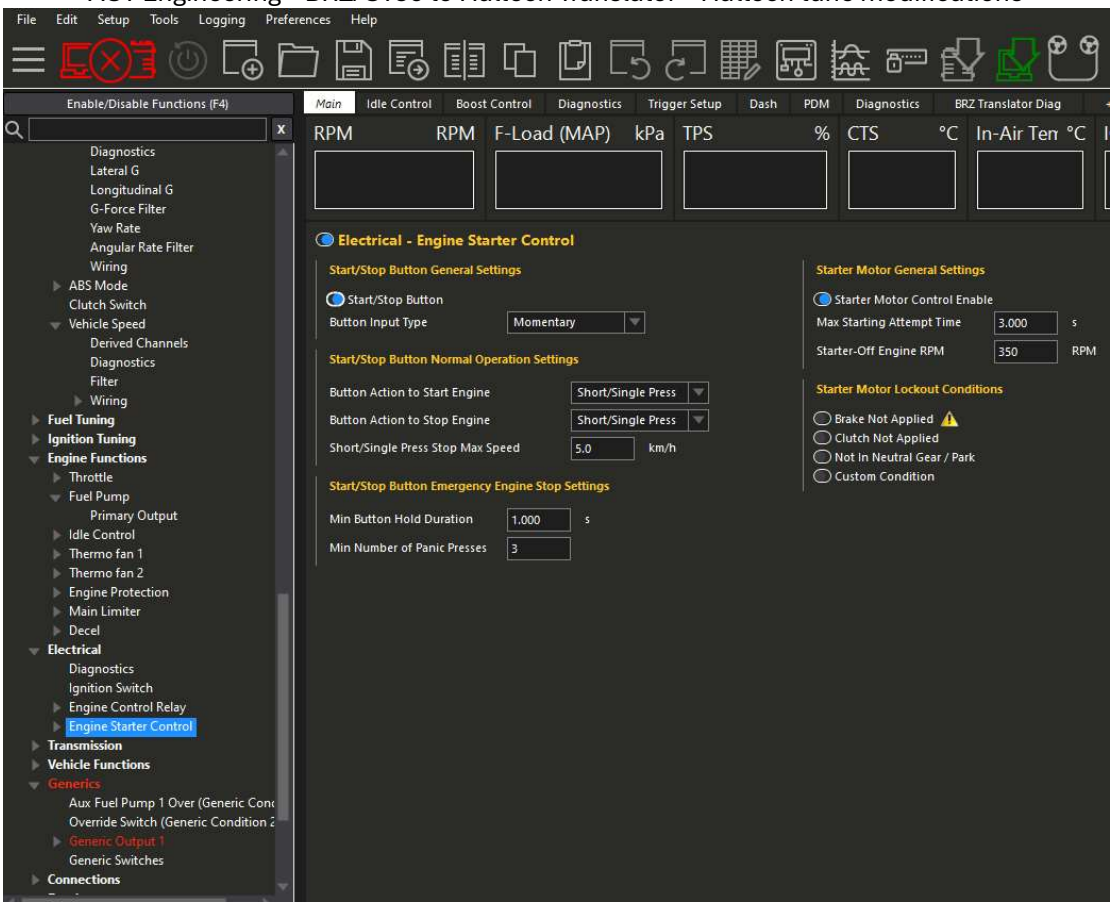
Engine Starter Control
Transmission
Electrical
Power
Engine Starter Control
Kill Switch
Engine Bump
Alternator Control
Lights
Headlights
Indicators
Brake Lights
Reverse Lights
Rain Light
Body Control
Windscreen Washer
Windscreen Wipers


File Edit Setup Tools Logging Preferences Help
Enable/Disable Functions (F4)
Diagnostics
Lateral G
Longitudinal G
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Yaw Rate
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Override Switch (Generic Condition 2
Generic Output 1
Generic Switches
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BRZ Translator Diag
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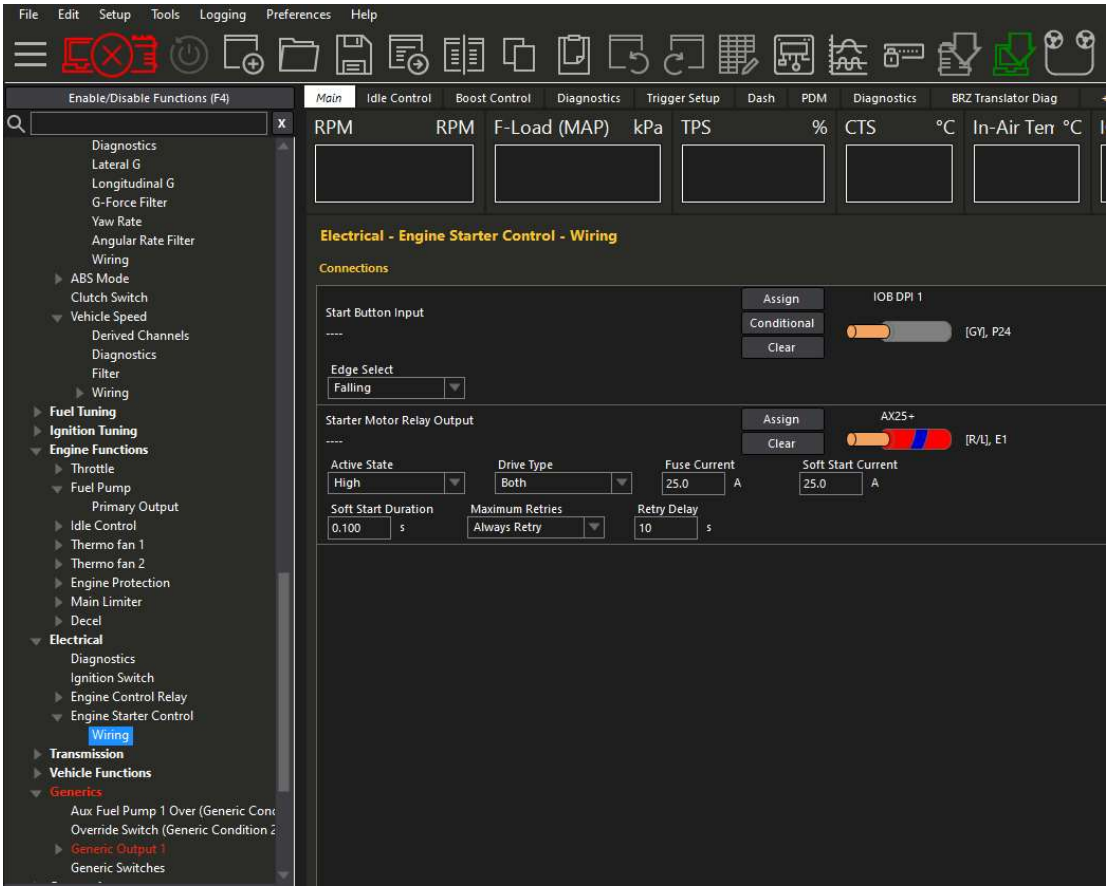
F-Load (MAP) kPa
TPS %
CTS °C
In-Air Tem °C
Electrical - Engine Starter Control
Start/Stop Button General Settings
Start/Stop Button
Button Input Type
Momentary
Start/Stop Button Normal Operation Settings
Button Action to Start Engine
Short/Single Press
Button Action to Stop Engine
Short/Single Press
Short/Single Press Stop Max Speed
5.0
km/h
Start/Stop Button Emergency Engine Stop Settings
Min Button Hold Duration
1.000
s
Min Number of Panic Presses
3
Starter Motor General Settings
Starter Motor Control Enable
Max Starting Attempt Time
3.000
s
Starter-Off Engine RPM
350
RPM
Starter Motor Lockout Conditions
Brake Not Applied
Clutch Not Applied
Not In Neutral Gear / Park
Custom Condition


File Edit Setup Tools Logging Preferences Help
Enable/Disable Functions (F4)
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Longitudinal G
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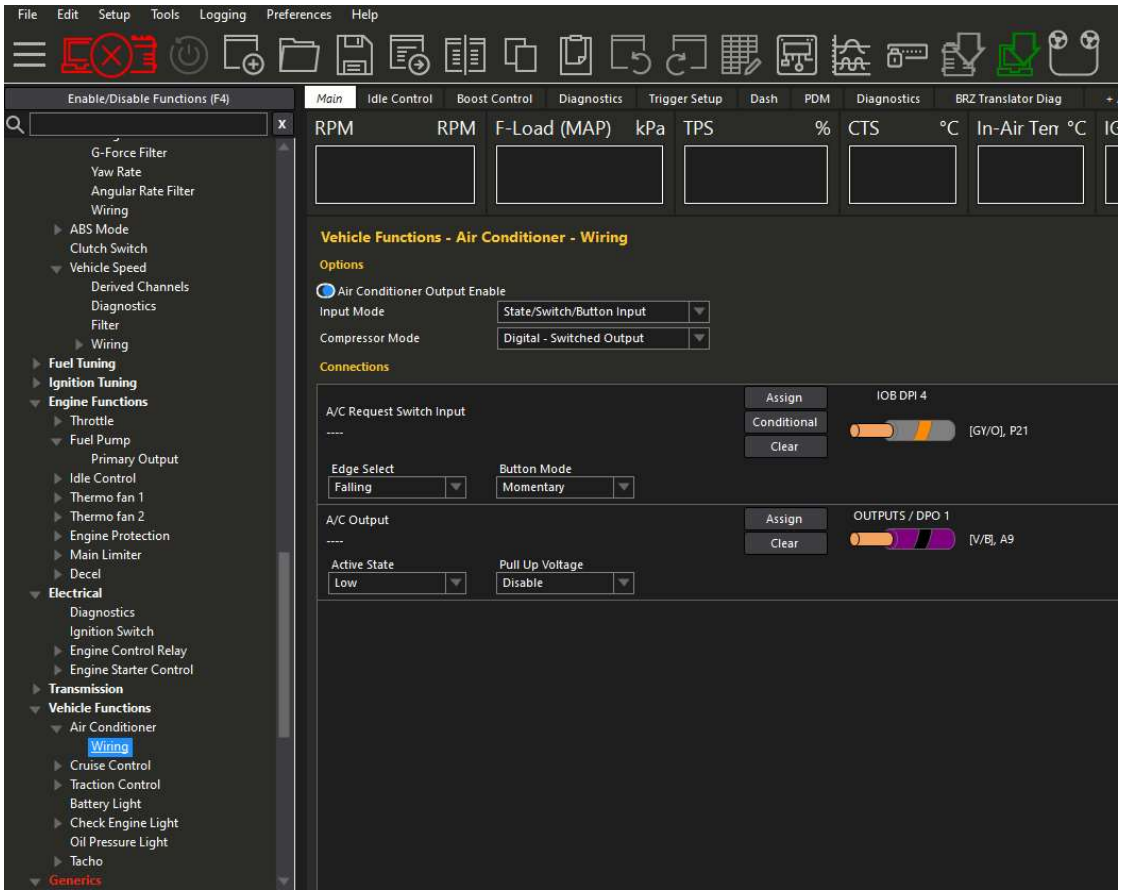
RPM RPM
F-Load (MAP) kPa
TPS %
CTS °C
In-Air Tem °C
Electrical - Engine Starter Control - Wiring
Connections
Start Button Input

Assign
Conditional
Clear
IOB DPI 1
[GY], P24
Edge Select
Falling
Starter Motor Relay Output

Assign
Clear
AX25+
[R/L], E1
Active State
High
Drive Type
Both
Fuse Current
25.0
A
Soft Start Current
25.0
A
Soft Start Duration
0.100
s
Maximum Retries
Always Retry
Retry Delay
10
s


File Edit Setup Tools Logging Preferences Help
Enable/Disable Functions (F4)
Main Idle Control Boost Control Diagnostics Trigger Setup Dash PDM Diagnostics BRZ Translator Diag
RPM RPM F-Load (MAP) kPa TPS % CTS °C In-Air Tem °C
G-Force Filter
Yaw Rate
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Wiring
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Cruise Control
Traction Control
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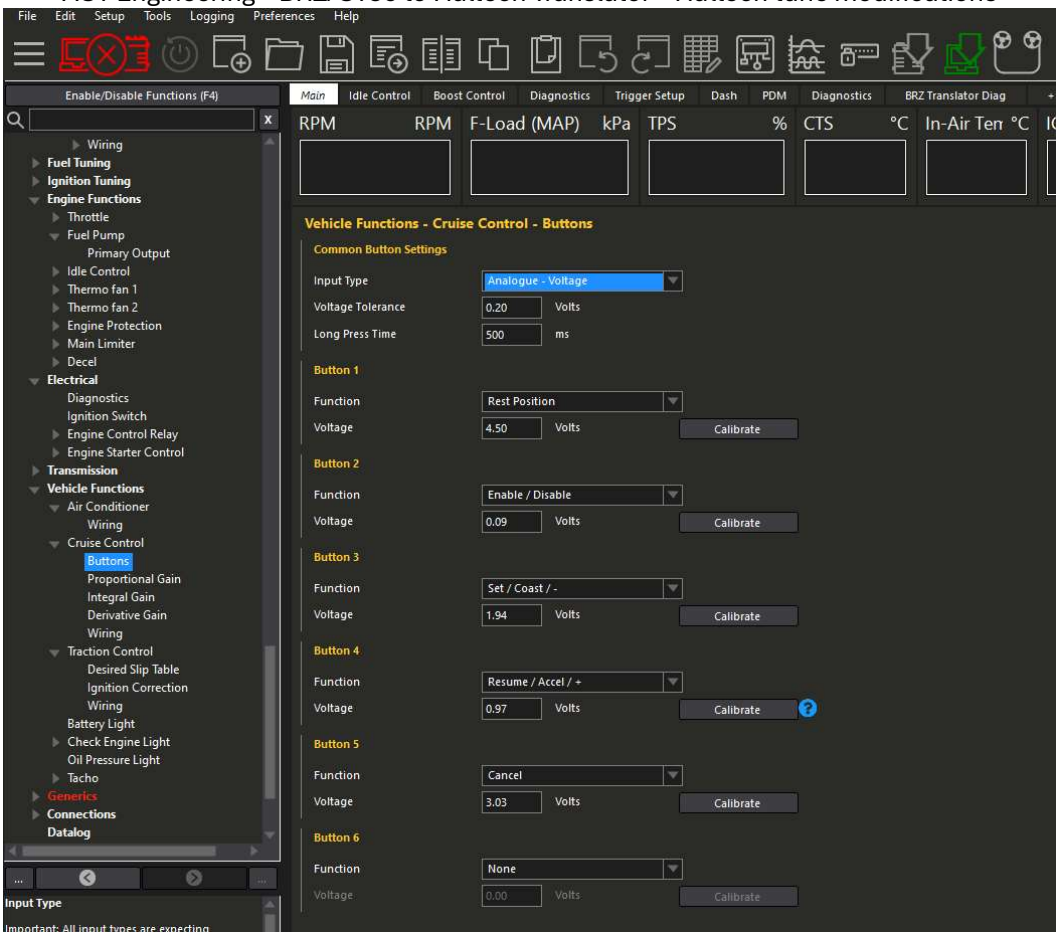
Check Engine Light
Oil Pressure Light
Tacho
Generics
Vehicle Functions - Air Conditioner - Wiring
Options
Air Conditioner Output Enable
Input Mode
State/Switch/Button Input
Compressor Mode
Digital - Switched Output
Connections
A/C Request Switch Input
Assign
Conditional
Clear
IOB DPI 4
[GY/O], P21
Edge Select
Falling
Button Mode
Momentary
A/C Output
Assign
Clear
OUTPUTS / DPO 1
[V/B], A9
Active State
Low
Pull Up Voltage
Disable


File Edit Setup Tools Logging Preferences Help
Enable/Disable Functions (F4)
Main Idle Control Boost Control Diagnostics Trigger Setup Dash PDM Diagnostics BRZ Translator Diag
RPM RPM F-Load (MAP) kPa TPS % CTS °C In-Air Tem °C
Vehicle Functions - Cruise Control - Buttons
Common Button Settings
Input Type Analogue - Voltage
Voltage Tolerance 0.20 Volts
Long Press Time 500 ms
Button 1
Function Rest Position
Voltage 4.50 Volts Calibrate
Button 2
Function Enable / Disable
Voltage 0.09 Volts Calibrate
Button 3
Function Set / Coast / -
Voltage 1.94 Volts Calibrate
Button 4
Function Resume / Accel / +
Voltage 0.97 Volts Calibrate
Button 5
Function Cancel
Voltage 3.03 Volts Calibrate
Button 6
Function None
Voltage 0.00 Volts Calibrate
Wiring
Fuel Tuning
Ignition Tuning
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Integral Gain
Derivative Gain
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Desired Slip Table
Ignition Correction
Wiring
Battery Light
Check Engine Light
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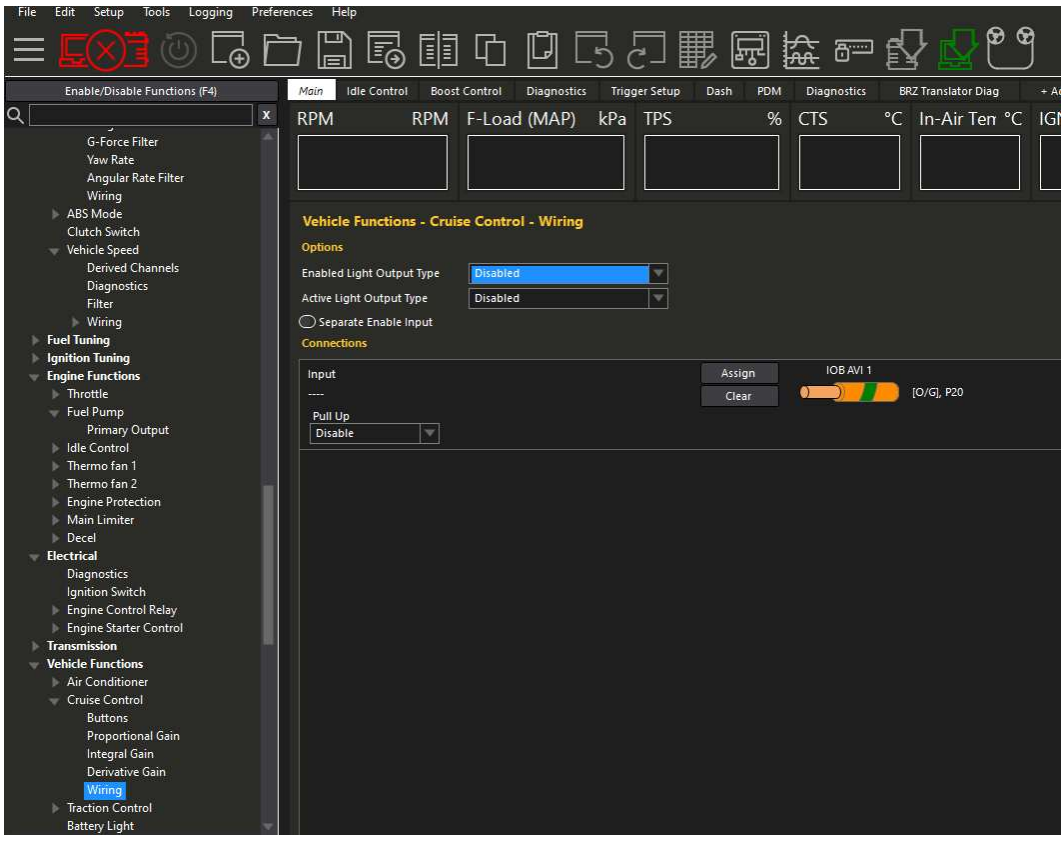
File Edit Setup Tools Logging Preferences Help
Enable/Disable Functions (F4)
Main Idle Control Boost Control Diagnostics Trigger Setup Dash PDM Diagnostics BRZ Translator Diag
RPM RPM F-Load (MAP) kPa TPS % CTS °C In-Air Tem °C
Vehicle Functions - Cruise Control - Wiring
Options
Enabled Light Output Type Disabled
Active Light Output Type Disabled
Separate Enable Input
Connections
Input
Assign
Clear
IOB AVI 1
[O/G], P20
Pull Up
Disable
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Air Conditioner
Cruise Control
Buttons
Proportional Gain
Integral Gain
Derivative Gain
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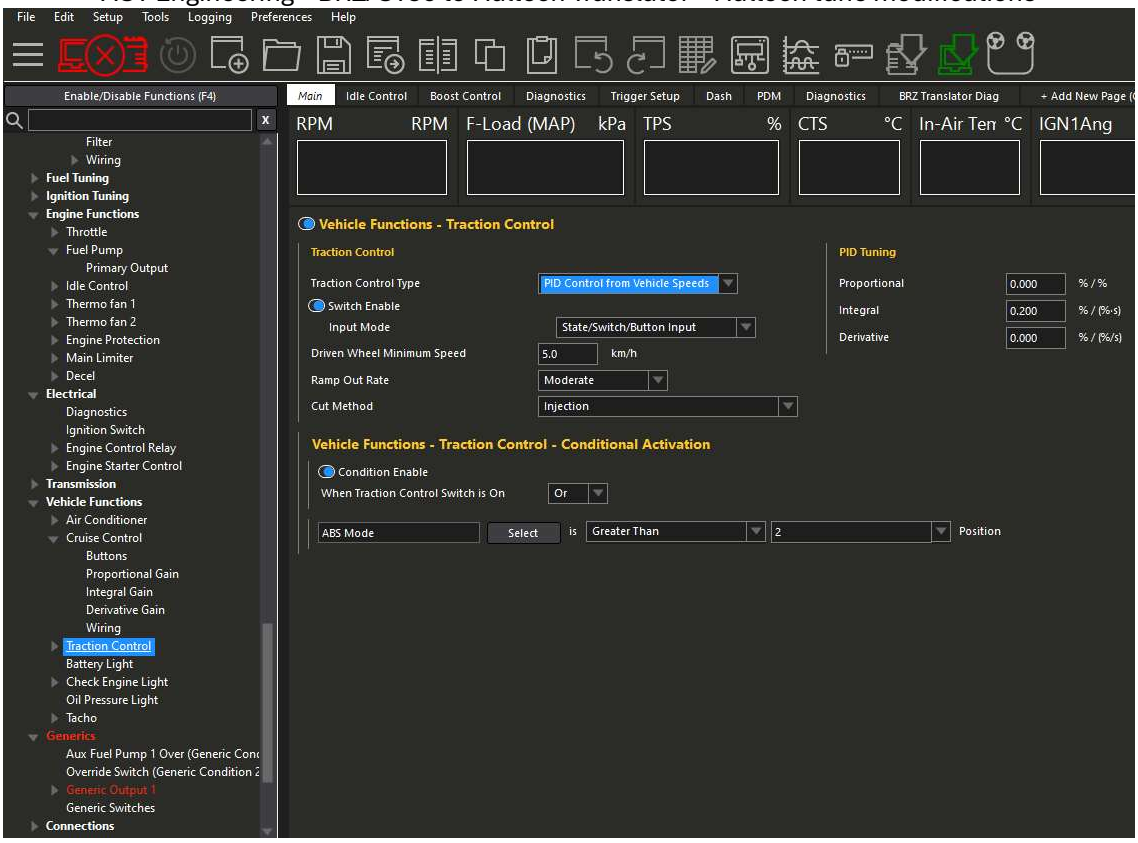
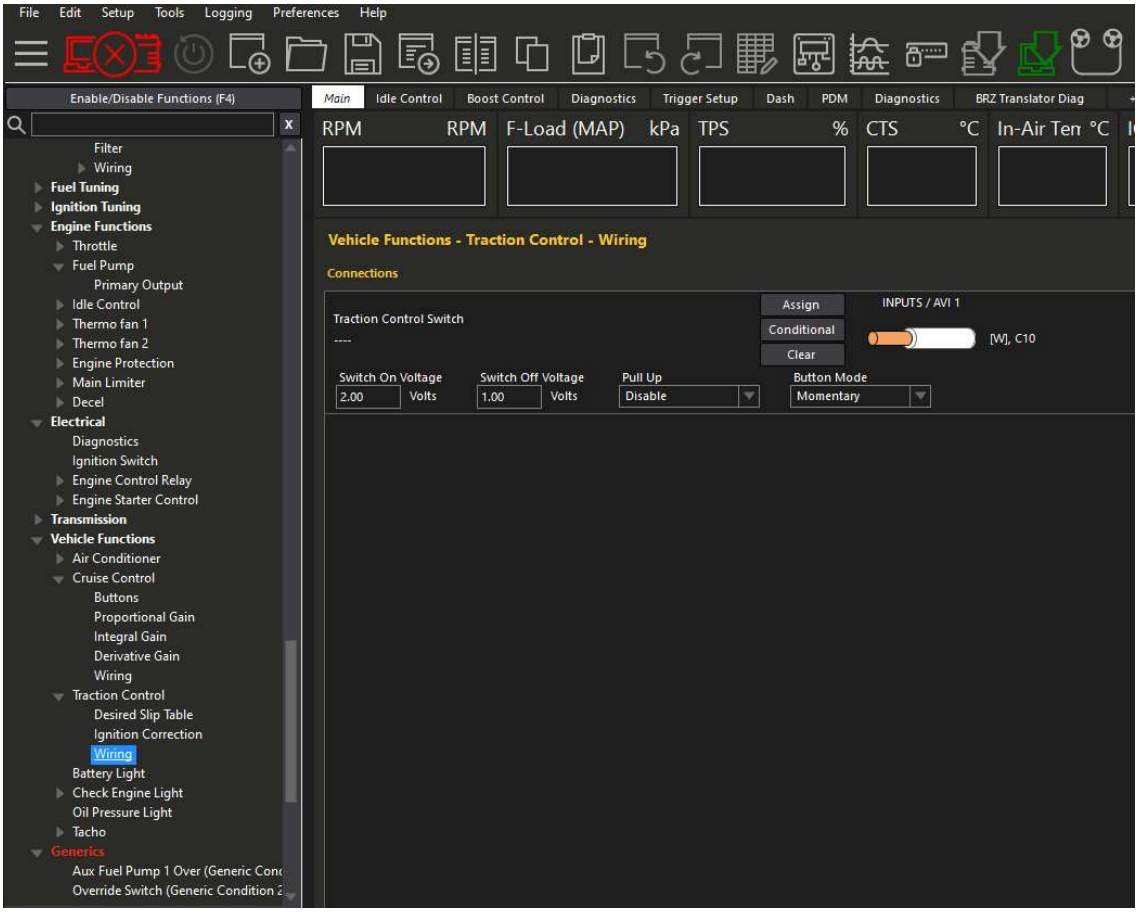
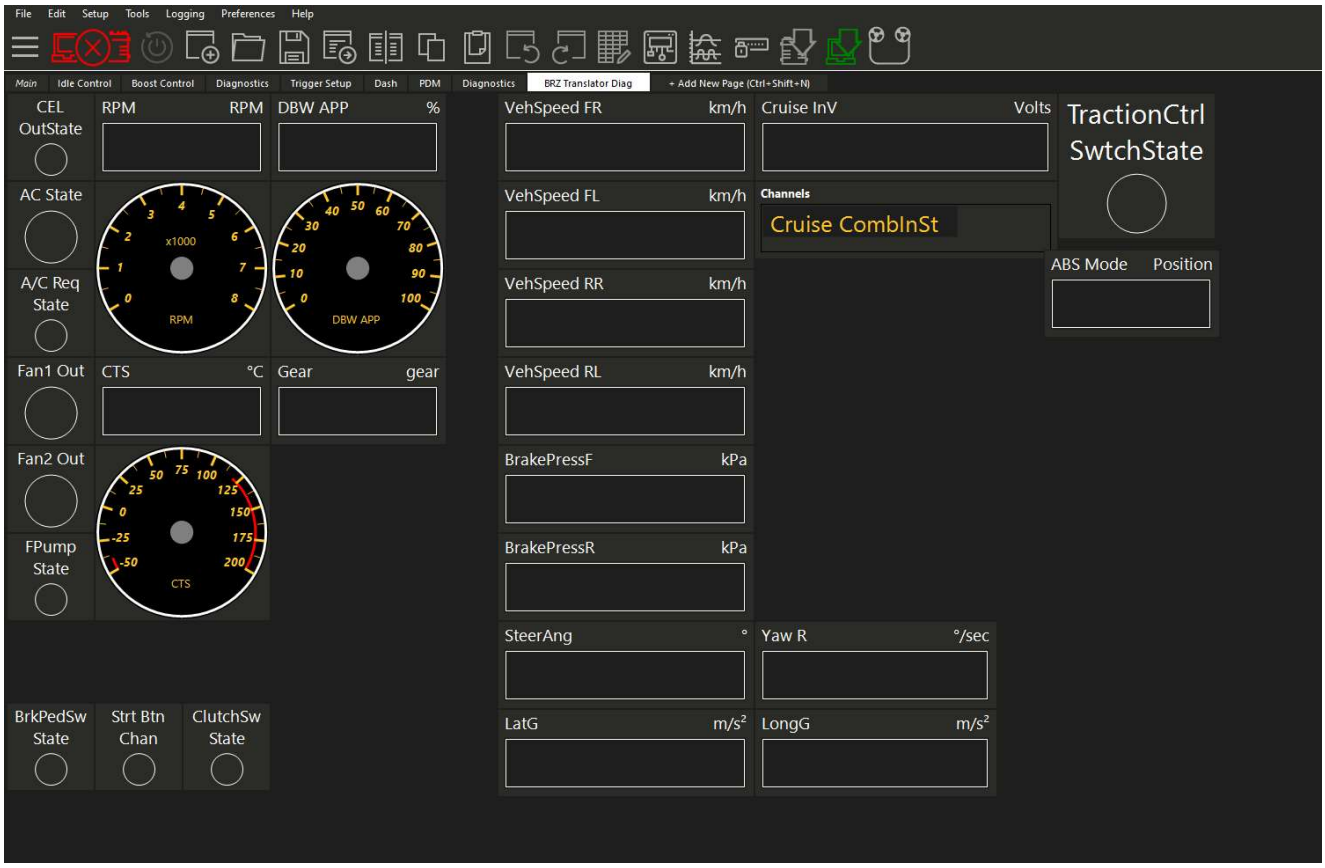
Traction Control
Battery Light



The ABS Mode allows you to turn on/off the Traction control with the OEM Traction control buttons (TRAC OFF)





Page created with good diagnostic data associated with the translator. Note Brake Pressure (FRONT) and Brake Pressure (REAR) will be the same value as the BRZ only transmits the overall combined pressure.