

eVolution Order Spec Sheet (Product Configuration Form)



Directions:

- Complete this form to specify custom configurations for eVolution (EVO/WIN).
- Submit this form with your order to: sales@lgs-group.com.

PURCHASER INFORMATION

Date _____
 Company Name _____
 Contact Name _____
 Phone Number _____
 Email Address _____

INTERNAL ONLY	
Config. Name	_____
Date Created	_____
Part Number	_____

VEHICLE DETAILS

Vehicle Make _____ **Vehicle Model** _____
Vehicle Year _____ **Vehicle Engine** _____
 NOTES _____

Orders will not be processed without the install vehicle's make, model and year. This information is needed for accurate configuration.

SELECT ONE:

- Key Ignition
- Push-to-Start Ignition

TRANSIT ONLY (Select One):

- White OBDII
- Black OBDII

SELECT ONE:

- OEM Hood Switch*
- No OEM Hood Switch

**Remote start is generally an indicator of an OEM Hood Switch*

PRIMARY BATTERY SETTINGS

Low Voltage Trip Point _____ <i>Range 8-15V (Default 11.9V)</i>	Engine auto starts when primary battery falls to this level. NOTE: Operating at battery voltages of 11.8V can damage the vehicle's battery.
Charge Restore Point _____ <i>Max 15V (Default 13.5V)</i>	Engine will run for "extended charge time" once this voltage is reached and then shut off. (Range depends on value chosen for Low Voltage Trip Point.)
Extended Charge Time _____ <i>Range 10-3600 Sec (Default 1200 Sec)</i>	How long the engine will continue to run after Charge Restore Point is reached.
Low SoC Trip Point _____ <i>Range 1-100% (Default 45%)</i>	For Ford F250-F600 (2023+) and Ford E-Series (2024+): Engine auto starts when the primary battery State-of-Charge falls to this level.
SoC Charge Restore Point _____ <i>Range 1-100% (Default 90%)</i>	For Ford F250-F600 (2023+) and Ford E-Series (2024+): Engine runs for "extended charge time" once this State-of-Charge is reached and then shuts off. Range depends on value chosen for Low SoC Trip Point.

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ENGINE IDLE TIMER

High Idle Engine Speed _____	Range 950-2000 RPM (Default 1600 RPM)	If applicable, speed at which engine will idle when AFIS (Advanced Fast Idle System) is engaged.
Ford F250-F600 (2023+) and Ford E-Series (2024+)	(Gas Engine 1500 RPM) (Diesel Engine 1200 RPM)	To change RPM requires changing the resistor.
Engine OverRev _____	Range 2000-4500 RPM (Default 3700 RPM)	Shuts down AFIS when this value is exceeded. EVO753 or if applicable.

MONITOR MODE

Monitor Mode Lockdown Time _____	Range 10-600 Sec (Default 300 Sec)	When in Monitor Mode, a temporary lockout occurs if service brake is applied, disabling auto start/stop; this time determines how long before the module reverts back to normal Monitor Mode with auto start/stop functions restored.
Push Button Latency _____	Range 2-10 Sec (Default 2 Sec)	Monitor Mode button must be held at least this long before it takes effect.

ENGINE COOLANT TEMPERATURE (ECT)

Shutdown ECT _____	Range 225°F to 489°F (Default 230°F)	Engine will shut down and module will exit Monitor Mode if ECT goes above this value. This event will also cause the Monitor Mode button to blink fast twice and slow once.
Maximum ECT _____	Range 149°F to 230°F (Default 223°F)	Module will stop/prevent AFIS if ECT goes above this value.
Minimum ECT _____	Range 14°F to 59°F (Default 32°F)	Module will stop/prevent AFIS if ECT falls below this value.

TOGGLE CRANK FEATURE

Enabled Disabled (Default) If enabled, OverRev output will be active during crank. EVO753 or if applicable.

NEXT PAGE: Auxiliary Battery Settings, Fuel Level, Engine Run Time Settings

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AUXILIARY BATTERY SETTINGS

12V Start Trigger Option Enabled Disabled (Default)

Under this option, the system does not monitor battery voltage and instead will start/stop the vehicle based on a voltage trigger (provided by a Battery Management System). The vehicle will start when it sees 12V and stop when it no longer sees 12V.

IF USING THIS OPTION, IT IS NOT NECESSARY TO COMPLETE THE AUX BATTERY SETTINGS BELOW.

Low Voltage Trip Point _____ (Range 11-60V)

Engine auto starts when auxiliary battery fall to this level.

Charge Restore Point _____ (Range 11-60V)
Value must be greater than Low Voltage Trip Point

When voltage level is reached, module will auto stop the engine.

FUEL LEVEL

Low Fuel Level Threshold _____ Range 0%-100%
(Default 25%)

System will NOT enter Monitor Mode if fuel is below this value.

ENGINE RUN TIME

Engine Run Timeout _____ Range 50-120 Min
(Default 60 Min)

Maximum allowable time the engine will run on a single auto start event.