

ESW Technologies ThermaCat™e System Parts List

Relating to Executive Order Series DE-12-005

Effective Date: October 30, 2015

Description	Qty	Part Number
ThermaCat™e System		See Table 1 below
Inlet Module	1	_4_0_ _ _ _ <Flange Type>4<DPF Size>0<Varies by Configuration ^a > Flange Type: 1 – Interlocking, 2 – Flat DPF Size: 2 – 7.5”, 3 – 9”, 4 – 10.5”, 5 – 11.25”, 6 – 12”
Module Gasket	0 to 3	_4_00249 <Flange Type>4<DPF Size>00249 Flange Type: 1 – Interlocking, 2 – Flat DPF Size: 2 – 7.5”, 3 – 9”, 4 – 10.5”, 5 – 11.25”, 6 – 12”
Module Clamp	2 or 3	_4_00250 <Flange Type>4<DPF Size>00250 Flange Type: 1 – Interlocking, 2 – Flat DPF Size: 2 – 7.5”, 3 – 9”, 4 – 10.5”, 5 – 11.25”, 6 – 12”
DOC Module	1	See Table 1 below
DPF Module	1	See Table 1 below
Outlet Module	1	_4_0_ _ _ _ <Flange Type>4<DPF Size>0<Varies by Configuration ^a > Flange Type: 1 – Interlocking, 2 – Flat DPF Size: 2 – 7.5”, 3 – 9”, 4 – 10.5”, 5 – 11.25”, 6 – 12”
System Mounting Kit	1	0200_ _ _ _ 0200<Varies by Configuration ^a >
Fuel Pump Assembly	2	9200012_ _ 9200012<Voltage> Voltage: 0 – 12V, 1 – 24V
Fuel Reservoir	1	001041_ _ _ 001041<Mounting Configuration> Mounting Configuration: 29 – Top, 31 – Bottom, 34 – Middle
Fuel Supply Hose Kit	1	001001_ _ _ 001001<Varies by Configuration>
Fuel Injection Nozzle	1	91002004
Fuel Injection Hose Assembly	1	00100_ _ _ _ 00100<Varies by Length ^b >
MLC ^c or ECU ^e Module	1	CMKT-6.0_ _ CMKT-6.0<Varies by Production Run ^d > or 92001041

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Description	Qty	Part Number
LED ^f , Green LED ^f , Amber LED ^f , Red or Dashboard Indicator LED ^f Assembly	1	CUE-300 ^g CUE-301 ^g CUE-302 ^g or 92001145 ^h
Wire Harness	1 or 2 ^g	92_ _ _ _ _ 92<Varies by Configuration ⁱ >
Inertia Sensor ^j	1	00102183
MAP ^k Sensor	1	92003008 or CUE-41 ^g
Thermocouple	2 ^l or 3	CMA-4 ^g and/or CMA-4-6 ^g and/or 920030_ _ 920030<Supplier><Varies by Configuration> Supplier: 4
Backpressure Sensor	1	CUE-45 or 92001_ _ _ 92001<Manufacturer Code> Manufacturer Code: 004, 070, or 129
Backpressure Sensor Pigtail ^m (optional)	1	92001_ _ _ 92001<Varies by Configuration>
Backpressure Hose Kit	1	001001_ _ 001001<Varies by Configuration>
RPM ⁿ Sensor (optional)	0 ^o to 1	CMA-3 (3/4-16 thread) or CMA-3-DUAL (3/4-16 thread with dual pick-ups) or CMA-6 (5/8-16 thread) or CMA-6-DUAL (5/8-16 thread with dual pick-ups)
Replacement System Label	1 ^p	51000039

^a – ESWT assigns a specific 4 digit code for each configuration.

^b – ESWT assigns a specific 3 digit code for each hose length required for installation.

^c – Monitor Logger Controller (MLC).

^d – ESWT assigns a specific 1 character code for each production run.

^e – Electronic Control Unit (ECU).

^f – Light Emitting Diode (LED).

^g – This part is used only with the MLC controller.

^h – This part is used only with the ECU.

ⁱ – ESWT assigns a specific 6 digit code for each configuration.

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^j – This part is used only with school bus applications.

^k – Manifold Absolute Pressure (MAP).

^l – This configuration uses two part numbers: one part with a single sensor and one part with a dual sensor.

^m – This part is only used for correctly configuring the wire harness backpressure connector. If the wire harness has the correct connector for the installed backpressure sensor, this part is not needed.

ⁿ – Revolutions Per Minute (RPM).

^o – This configuration uses connection to the alternator to measure RPM.

^p – Only supplied when original label is damaged, destroyed, or missing.

Table 1. ThermaCat™ System Components Sizing

System Number	DOC		DPF	
	Dimensions	Part Number	Dimensions	Part Number
Y43102	8.0 X 9.0	Y430XXXX	9.0 X 10.0	Y4350227
Y43122	8.0 X 9.0	Y430XXXX	9.0 X 12.0	Y4350226
Y44102	9.5 X 9.0	Y440XXXX	10.5 X 10.0	Y4450227
Y44122	9.5 X 9.0	Y440XXXX	10.5 X 12.0	Y4450226
Y45102	10.5 X 9.0	Y450XXXX	11.25 X 10.0	Y4550227
Y45122	10.5 X 9.0	Y450XXXX	11.25 X 12.0	Y4550226
Y45142	10.5 X 9.0	Y450XXXX	11.25 X 14.0	Y4550252
Y46102	11.25 X 9.0	Y460XXXX	12.0 X 10.0	Y4650227
Y46122	11.25 X 9.0	Y460XXXX	12.0 X 12.0	Y4650226
Y46142	11.25 X 9.0	Y460XXXX	12.0 X 14.0	Y4650252
Y47102	13.5 X 9.0	Y470XXXX	15.0 X 10.0	Y4750227

The value of Y varies by flange type: 1 – Interlocking, 2 – Flat.

The value of XXXX varies by Attachment to Inlet Can: 0228 – Clamped,

0ZZZ (0 < Varies by Configuration^a > – Welded.

^a – ESWT assigns a specific 3 digit code for each configuration.