

EMP Mini-Hybrid® System Pre-Install Form

Please complete the following questions and return to AdvRequirementForms@emp-corp.com.

General Information	
Today's Date:	
Information Completed By:	
Primary EMP or Distributor Contact:	

General Customer Information	
Property, Company, or Fleet name:	
Location (City or County/State):	
Material Shipping Address: Street City, State, Zip	
Installation Facility Address (If different): Street City, State, Zip	
Technical Contact Name:	
Phone:	
E-mail:	
Administrative Contact Name:	
Phone:	
E-mail:	

Vehicle Information	
Fleet or Unit #'s being considered: (Range)	
Vehicle Make: (NABI, NFI, Gillig, etc.)	
Vehicle Model: (D40LF, DE60LF, etc.)	
Vehicle Year:	
Vehicle Length:	
If coach, is there an attic mounted water tank?	<input type="checkbox"/> Yes <input type="checkbox"/> No

Engine Information – (Engine to be Cooled by Mini-Hybrid® System)			
Is a new/different engine being installed with the Mini-Hybrid® System?	<input type="checkbox"/> Yes		<input type="checkbox"/> No
Engine Manufacturer:	<input type="checkbox"/> Cummins	<input type="checkbox"/> CAT	<input type="checkbox"/> Detroit Diesel
	<input type="checkbox"/> Other (Specify) _____		
Engine (EPA) Emissions Year:			
Engine Model: (ISL, ISM, S50, S60, etc.)			
Engine Rating (HP):			
Engine Fuel:	<input type="checkbox"/> Diesel	<input type="checkbox"/> CNG	<input type="checkbox"/> Other
Cold side (exit) of charge air heat exchanger within the engine compartment (pipe from cooler to intake manifold)?	<input type="checkbox"/> Front		<input type="checkbox"/> Rear
	<input type="checkbox"/> Top		<input type="checkbox"/> Bottom

Transmission Information – (Transmission to be Cooled by Mini-Hybrid® System)	
Is a new/different transmission being installed with the Mini-Hybrid® System?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Transmission Manufacturer:	
Transmission Model:	

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Describe the Alternator currently installed on the vehicle			
Alternator Manufacturer:			
Alternator Model or Part Number:			
Alternator Voltage:	<input type="checkbox"/> 14 Volt	<input type="checkbox"/> 28 Volt	
Air Cooled Alternator – Air Piping	<input type="checkbox"/> 3"	<input type="checkbox"/> 4"	
Does this vehicle need to meet a Cummins electrical noise specification?	<input type="checkbox"/> Yes		<input type="checkbox"/> No
How much current is required at engine idle?	<input type="checkbox"/> 290 Amps	<input type="checkbox"/> 325 Amps	<input type="checkbox"/> Other (Specify)
What is maximum current required at engine speed of 2000 RPM?	<input type="checkbox"/> 450 Amps		<input type="checkbox"/> 535 Amps
Alternator Output (Amps) at Engine idle and maximum:	Idle:		Max:
Alternator Pulley Number of Grooves:	<input type="checkbox"/> 8 Groove	<input type="checkbox"/> 10 Groove	<input type="checkbox"/> 12 Groove
Is a pulley required?	<input type="checkbox"/> Yes		<input type="checkbox"/> No
Voltage Regulator:	Make:		Part Number:
Does the engine have a cradle mount or pad mount for the Alternator:	<input type="checkbox"/> Cradle Mount		<input type="checkbox"/> Pad Mount
Is Alternator being replaced with an EMP Alternator? If not, the current alternator must maintain battery charge with additional Mini-Hybrid® electrical load:	<input type="checkbox"/> Yes		<input type="checkbox"/> No

Service Tool			
Vehicle Diagnostic Plug:	<input type="checkbox"/> 9-Pin	<input type="checkbox"/> 6-Pin	<input type="checkbox"/> None
Service tool interface device used at service facility (ex: Cummins Inline 4, Noregon USB DLA, Nexiq USB-Link, etc.):			

Describe Accessory Items Currently Installed on Vehicle			
How is the current cooling fan(s) driven? If current engine cooling fan system is belt or electric driven, form is complete).	<input type="checkbox"/> Hydraulic	<input type="checkbox"/> Belt/Gear	<input type="checkbox"/> Electric
Is the power steering pump mounting to the hydraulic pump?	<input type="checkbox"/> Yes		<input type="checkbox"/> No
If no, when the fan hydraulic pump is removed will the power steering system be affected? (If BOTH questions above are "NO", form is complete).	<input type="checkbox"/> Yes		<input type="checkbox"/> No
Power Steering Gear Manufacturer:			
Power Steering Gear Part Number:			
Hydraulic Pump Mounting Information (To engine or air compressor):	<input type="checkbox"/> SAE A – (4.25" Hole Spacing)		<input type="checkbox"/> SAE B – (5.75" Hole Spacing)
Hydraulic Pump Drive Shaft Information (To engine or air compressor):	<input type="checkbox"/> 11 Tooth – (0.730" Diameter Shaft)		<input type="checkbox"/> 13 Tooth (0.873" Diameter Shaft)
If hydraulic pump is mounted to the air compressor, provide compressor information:	*Air Compressor Manufacturer:		
	*Air Compressor Part Number:		

NOTE: If available, please provide electronic parts manual, electrical schematics, and service manuals. EMP engineering may require pictures of the current engine cooling system.

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