



## Engine Installation Checklist

TO BE COMPLETED BY ORIGINAL EQUIPMENT MANUFACTURER (OEM) OR INSTALLING CONTRACTOR AND SUBMITTED TO CUMMINS SALES AND SERVICE PRIOR TO SCHEDULING A START-UP INSPECTION.

### Section I: Project & Equipment Information

Facility name/Identification: \_\_\_\_\_

Facility Address: \_\_\_\_\_ City: \_\_\_\_\_

State/Province: \_\_\_\_\_ Postal Zone: \_\_\_\_\_ Country: \_\_\_\_\_

Contact Name: \_\_\_\_\_ Phone #: \_\_\_\_\_ Fax #: \_\_\_\_\_

Pump Manufacturer: \_\_\_\_\_ Pump Model: \_\_\_\_\_

Pump Serial # \_\_\_\_\_ Pump Rating: \_\_\_\_\_ (GPM/LPM)

Pressure: \_\_\_\_\_ (psi/kPa) Speed: \_\_\_\_\_ (rpm)

Controller Manufacturer: \_\_\_\_\_ Controller Model: \_\_\_\_\_

Controller Serial # \_\_\_\_\_

Engine Model: \_\_\_\_\_ Engine Serial #: \_\_\_\_\_

Engine Speed: \_\_\_\_\_ (rpm)

Submitted By: \_\_\_\_\_ Date: \_\_\_\_\_

**Section II: Sequential Checklist for the Pump Representative or Installing Contractor**

Complete technical information can be found on our website: [www.cumminsfirepower.com](http://www.cumminsfirepower.com)

*This Checklist must be completed before the Installation Review and Start-Up Inspection*

INSTALLATION CHECKLIST	INITIALS	DATE
1. Engine-Pump alignment check		
Service coupling/shaft, as required		
- Check driveshaft vertical and horizontal alignment ( <i>refer to the Universal Joint Driveshaft manual at <a href="http://www.cumminsfirepower.com">www.cumminsfirepower.com</a></i> )		
- Re-torque the driveshaft flange bolts ( <i>refer to the Universal Joint Driveshaft manual at <a href="http://www.cumminsfirepower.com">www.cumminsfirepower.com</a></i> )		
- Re-torque the companion flange set screw		
- Grease the driveshaft zerks		
<i>NOTE: Some lubrication loss may occur during transport and storage. It is recommended that the drive shaft be re-lubricated upon installation. Cummins Sales and Service recommends using a good quality semi-synthetic, Molybdenum-fortified NLGI #2 lithium complex grease.</i>		
2. Properly mount and secure the unit and grout the base		
3. Connect the pump controller wiring to the fire pump drive engine Terminal Board		
4. Service and charge the batteries for 24 hours; connect the batteries to the engine		
5. Properly install the cooling water connections, both inlet and outlet, on the engine heat exchanger; confirm the cooling water by-pass solenoid operation		
6. Check that the exhaust system is properly sized, routed, and connected to the engine		
<i>IMPORTANT: The exhaust flex must be properly aligned. It should be mounted vertically with no more than 1" offset.</i>		
7. Fill the cooling system to the proper level with premixed coolant (refer to the engine manual)		
8. Add engine oil to the proper level (refer to the engine manual for oil type)		
9. Connect the fuel lines (both supply and return) to the fuel tank and engine		
<i>NOTE: Return fuel should be to the top of the tank.</i>		
10. Check that the fuel tank is filled with clean #2 diesel fuel; drain all water and sediment from the tank		
11. Connect the engine jacket water heater to the correct AC power		
<i>NOTE: Connect power <b>AFTER</b> filling with coolant.</i>		
12. Install the air inlet filter on the engine; ensure that the fresh air supply is adequate for engine combustion and room ventilation		

**PLEASE NOTE:** Photos of the completed installation would be appreciated.



Email the Cummins Sales and Service Installation Checklist to: [firepumpsupport@cummins.com](mailto:firepumpsupport@cummins.com)

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