



MDE-4897 Installation Checklist for Diesel Exhaust Fluid (DEF) Units (Form A) - March 2010

Site and Installer Information

SITE INFORMATION	INSTALLER INFORMATION
Unit Serial Number	Company Name
Site Name/Number	Company Address
Street	Street
City/State/Zip	City/State/Zip

INSTRUCTIONS: Complete this checklist for each dispenser. Information regarding "Station Electrical" must be completed on only one dispenser form. **After completing the form, leave the original form in the dispenser cabinet, away from wiring or circuit boards.** Keep the copy for your records.

IMPORTANT NOTE: This checklist does not include all requirements for a safe or proper installation of a dispenser. Included however, are certain checks for some of the more important items and items occasionally missed during the installation. The installer must read and follow the installation manual completely, for equipment installation.

Individual Dispenser Hydraulic/Mechanical-related

Item	Procedure	Check if OK/ Complete
1	If required, shear valves installed according to the manufacturer's instructions.	
2	Hose breakaways installed as per code and manufacturer's recommendations.	
3	After the dispenser has dispensed DEF, power to the dispenser and heater must be left on, the outside temperature can drop below 20 °F when the unit is not being used.	
4	All the hanging hardware is UL®- or equivalent-listed.	
5	Unit anchored to the island or skid tank, as per installation instructions.	
6	Correct nozzles, piping, and brand panels used for each grade.	
7	All code, regulatory agency or customer-specified safety warning signs, labels, or decals have been installed.	
8	Hose lengths beyond standard lengths not being used.	
9	Air has been purged from lines using nozzle.	
10	Unit and plumbing checked for leaks. No leaks at hanging hardware.	

Individual Dispenser Electrical-related

1	Units without factory-installed or factory kit junction boxes only: Conduit into electronic cabinet potted when required by local regulators.	
2	Conduit at the base of the unit is potted when required per local, state, and national codes and as per the installation manual.	
3	Conduit(s) to electronic cabinet for non-junction box-equipped units is secured to lower brace and where required by local, state, and national codes potted, as per installation manual.	
4	Field-installed junction box is secured to lower frame.	
5	Twisted-pair (not shielded) wire used for two-wire communication for newly wired systems.	
6	All wiring to the dispenser is stranded copper of gauge and insulation type specified in installation instructions.	
7	Ground wires properly connected at dispenser.	
8	Contractor-supplied conduit and junction box approved for hazardous locations involved, where required by local, state, and national codes, and properly sized for wiring and number of connections as per codes.	
9	All junction box covers replaced and all bolts used and tightened and all openings are plugged.	
10	All speaker, intercom, and other Class-2 wiring is located in separate conduit and junction box from power wiring.	

Station Electrical (Check this section only once per site)

1	Conduit to dispensers potted as per code requirement at station building.	
2	Emergency power cutoff is installed as per code to remove all power from dispensing equipment in case of an emergency.	
3	Dispensers only: STP isolation relays used for all dispensers.	
4	Grounds to dispensers properly wired as per codes and installation instructions.	
5	Properly sized circuit breakers for the units and unit options involved.	
6	All dispenser wiring properly spaced and isolated from wiring to electrically noisy devices as per the installation manual.	
7	Power wiring to dispensers not shared by other devices.	
8	All circuit breakers to dispensers clearly labeled and readily accessible.	
9	All Distribution boxes clearly labeled showing the pump/dispenser connections.	
10	All dispensers/pumps wired to the same phase of electrical power.	
11	New site wiring to dispensers is Megger®-tested. Old site wiring is continuity-tested and short-tested with a digital meter.	

Required Signature

Installer Name (Print)	Tech No. (if Applicable)
Signature	Date

Note: This is a two-part form. Place the top copy (original) in the dispenser away from wiring and circuit boards and keep the bottom copy for your records. An incomplete or missing form may delay commissioning of the unit/site and may void warranty.