582
E-66

New Type III

Note:

- Some of the pics in this presentation are of the other type 3 since the layout of the truck is the same.

Objectives

- Review vehicle specifications
- Safety Considerations
- Compartment setup


www.code3pse.com • TECHNICAL SUPPORT: 314-996-2800
V-CON
CODE 3
WARNING
Vehicle Ht: 9' 7"
Vehicle Lg: 27' 4"
Gross Vehicle Weight Rating:
17.5 TON
Vehicle designed to carry max. 4 personnel.
As manufactured; vehicle owner must revise label for any vehicle height changes

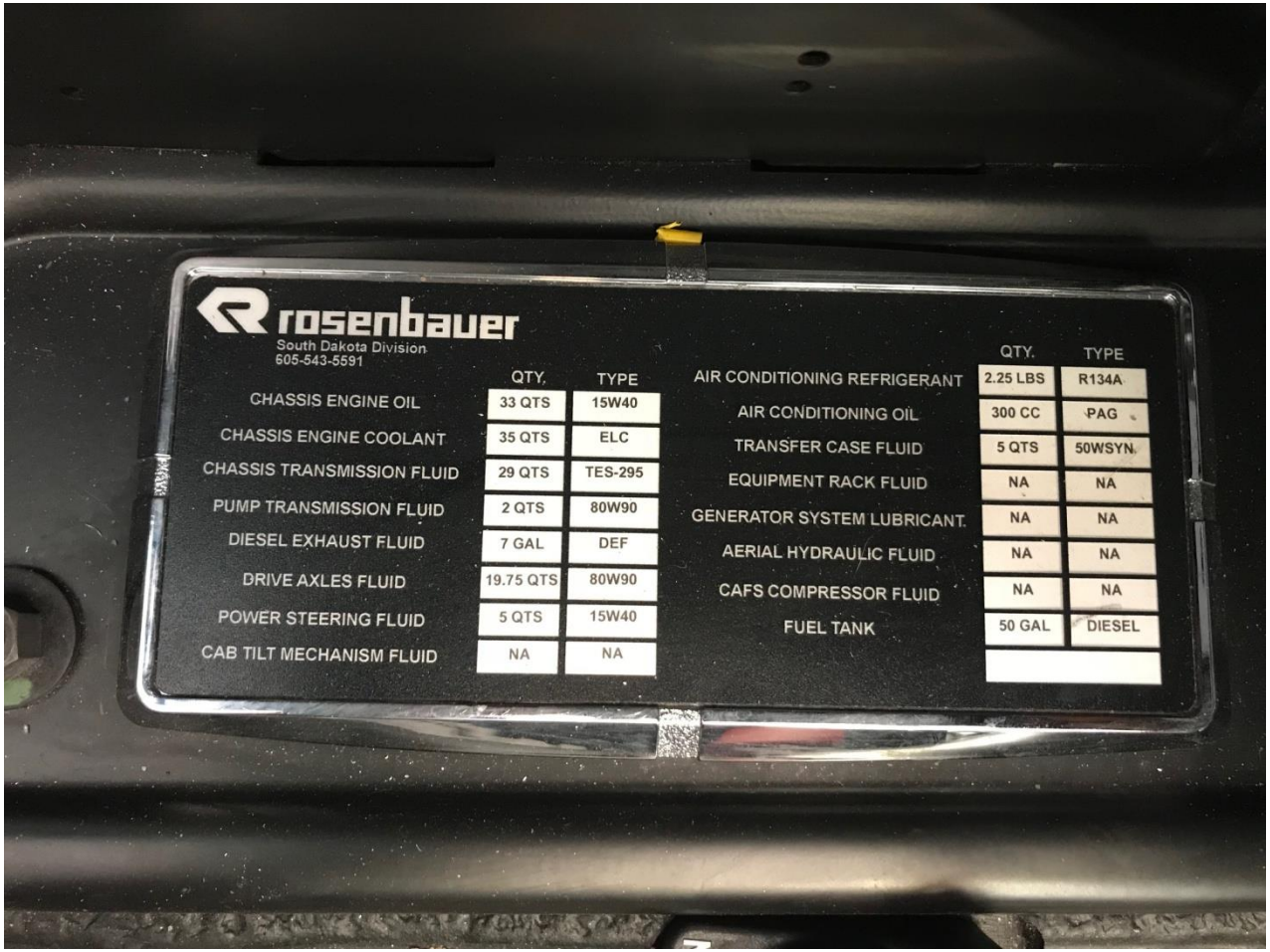
Vehicle Specifications

- 2018 International chassis with Cummins L9 380 horse inline 6 cylinder turbo diesel engine
- Rosenbauer high/low pressure 750 gpm pump with 500 gallon tank

Pressures

- 28 psi operating pressure at low idle
- 55 psi operating pressure at high idle
- 700 rpm at idle

Fluids

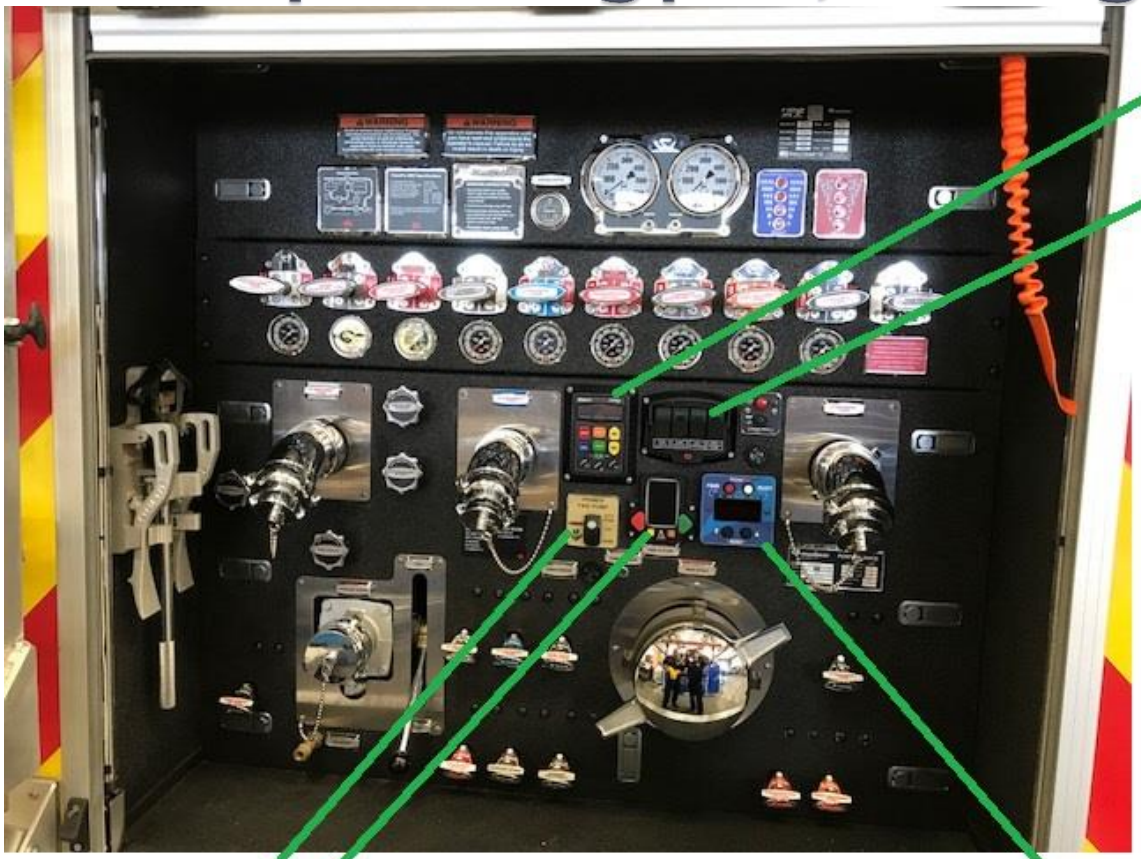

rosenbauer
South Dakota Division
605-543-5591
QTY.
TYPE
CHASSIS ENGINE OIL
33 QTS
15W40
CHASSIS ENGINE COOLANT
35 QTS
ELC
CHASSIS TRANSMISSION FLUID
29 QTS
TES-295
PUMP TRANSMISSION FLUID
2 QTS
80W90
DIESEL EXHAUST FLUID
7 GAL
DEF
DRIVE AXLES FLUID
19.75 QTS
80W90
POWER STEERING FLUID
5 QTS
15W40
CAB TILT MECHANISM FLUID
NA
NA
QTY.
TYPE
AIR CONDITIONING REFRIGERANT
2.25 LBS
R134A
AIR CONDITIONING OIL
300 CC
PAG
TRANSFER CASE FLUID
5 QTS
50WSYN
EQUIPMENT RACK FLUID
NA
NA
GENERATOR SYSTEM LUBRICANT
NA
NA
AERIAL HYDRAULIC FLUID
NA
NA
CAFS COMPRESSOR FLUID
NA
NA
FUEL TANK
50 GAL
DIESEL

This truck uses DEF fluid

Safety Considerations

- Vehicle goes very fast, do not exceed speed limit
- Vehicle is very tall (9’7”), be careful where you drive it
- Although it is 4 wheel drive do not take into sketchy locations
- The monitor is high pressure/foam
- Hose reels are high or low pressure with foam
- Be careful climbing up and down the ladder

Pump 750 gpm, 500 gallon tank



Pump controls

Pump engage switch, high pressure switch, high pressure foam switch

tank to pump switch

low pressure foam controls

air primer switch

Pumping


PRIMER
FIRE PUMP
AUTO
PRIME
OFF
PRIME
TRIDENT
AIR
PRIME
TANK T
PUMP ENGAGED
CHECK ENGINE

Auto priming

Nozzles on the booster reels

Front Monitor attachment

- Align the coupling on the bumper with the monitor
- Snap the monitor to the discharge
- Attach the electrical connection

4 wheel drive procedure

- Set the parking brake
- Put in Neutral
- Engage front axle with toggle switch
- Select high or low range
- Low range will give higher pressure for pumping
- Can pump and roll
- to disengage follow the same instructions, set brake, neutral, turn off front axle, go back to high gear

4 wheel drive procedure

High pressure foam

- Open tank to pump –Note there is a tank to pump valve both in the cab and on the pump panel to open/close the tank to pump valve
- Use switch to engage pump –Note there is a switch in the cab and on the pump panel to engage/disengage the pump
- Turn on high pressure switch
- Turn on high pressure foam switch

High Pressure Foam

- Will only create foam at pressures >250 psi
- Insufficient pressure will not educt foam
- Is not a field adjustable percentage (constant)
- On the front monitor keep the adjustable nozzle at a lower gpm (30) to get a good pressure and good foam
- The side reels are plumbed with high pressure foam and low pressure foam.
- The monitor is high pressure foam only

High pressure foam procedure

Engineer’s compartment

Driver's side middle

storage

EMS gear

Driver's side rear

Back pack pumps (4)

appliances

fusees

fittings

Monitor storage

Tool box

Drivers side top

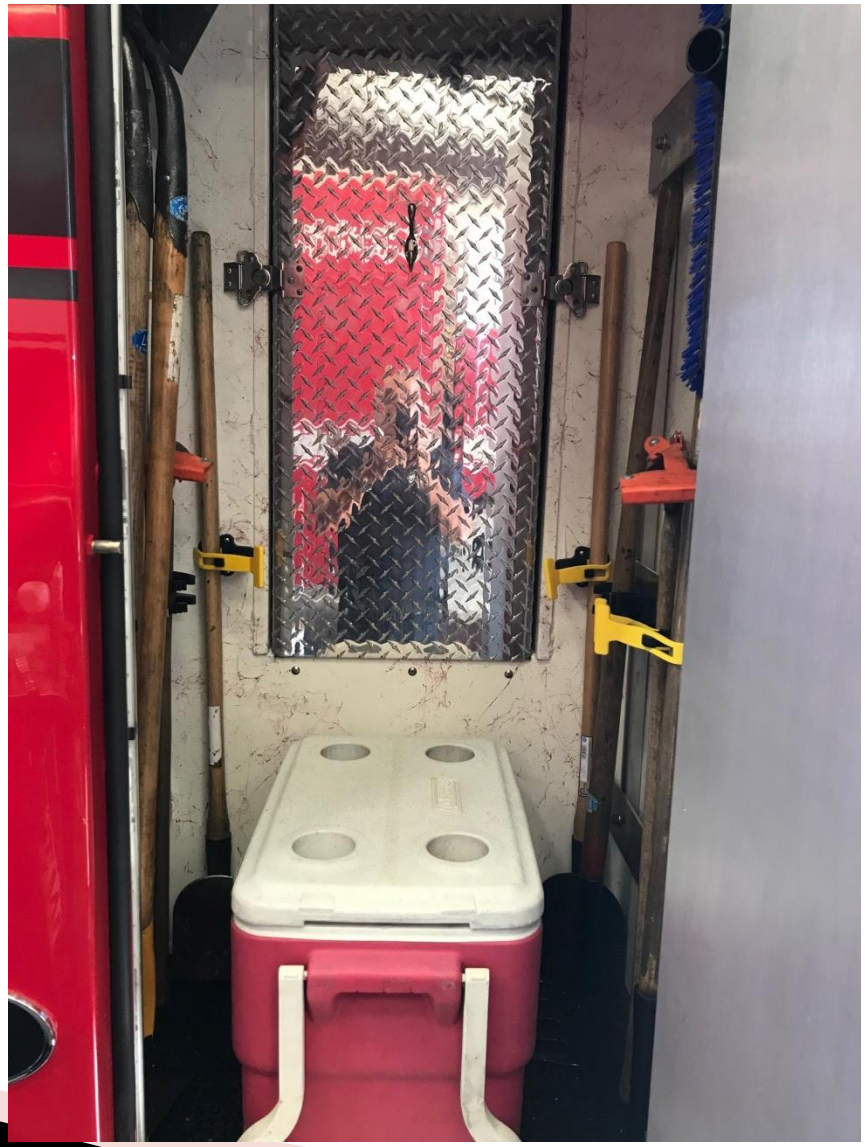
Water and foam tanks

Personal gear area and snap tank, use safety bar to prevent closure

Safety bar

Captain’s side top

Captain’s side front



Spare Tire Access

Captain's side middle

Travis packs (10)

Sprinkler kit (15) with fittings

Captain's side rear

Striker pumps (2)

Saw bags (2)

Chain saws MS440 (2)

Drip torches (2)

Fuel cans

Mark 3 pump

Generator/light

Front pre-connect with nozzle

Monitor mount

Cowling

Cab controls

Front monitor control

4 wheel drive controls and jake brake

Visor exhaust regeneration guide

Regen switch

Regen instructions

2010 Federal Emissions Label

Level	Indication	Audible Alarm	LCD Text Message	Vehicle Conditions/Operation	Action Required
1	DPF 3813052 (Solid)	None	Scrolls between See Visor for info and Parked Regen Required.	Exhaust filter regeneration required.	Drive on highway at highway speeds or start Parked Regeneration to prevent loss of power.
2	DPF 3813052 (Flashing)	None	Scrolls between See Visor for info and Parked Regen Required.	Exhaust filter is full.	Pull vehicle safely off roadway and start Parked Regeneration to prevent loss of engine power.
3	DPF 3813052 (Flashing)	An alarm will beep continuously while ignition is on.	Scrolls between See Visor for info and Parked Regen Required.	Exhaust filter is full. Engine performance is **LIMITED.**	**WARNING** **Pull vehicle safely off roadway and start Parked Regeneration to prevent engine stopping.**

TEMP 3813C51 **Exhaust System Temperature is HOT**

WARNING

Exhaust components are operating under normal conditions and exhaust gases are at extremely high temperatures. When stationary, keep away from people and flammable materials, vapors, or structures or STOP ENGINE.

A serious problem has occurred. Engine may **SHUTDOWN** soon. Pull vehicle safely of roadway, turn on flashers, set parking brake, place warning devices, and **STOP ENGINE**. Seek service immediately.

Regen instructions 2

Parked Regeneration Procedure

Perform the following steps to initiate Parked Regeneration (cleaning) of the exhaust filter:

1. Park the vehicle safely off the roadway and away from flammable materials.
2. Before initiating parked regeneration (using the ON/PARKD REGEN switch), the following conditions must be in place:
   a. Parking brake must be set.
   b. DPF indicator illuminated (Solid or Flashing).
   c. Transmission must be in Neutral (N) or Park (P), if available.
   d. Accelerator, foot brake and clutch (if present) pedals must not be depressed.
   e. Engine temperature must be at a sufficient level to allow regeneration.

   With some engines, this may be as high as 76.6°C (170°F).

NOTE: The engine coolant temperature must be above 76.6°C (170°F) before the parked regeneration procedure can be performed. If the engine coolant temperature is too low, the parked regeneration procedure will not activate.

3. Press the ON position of the ON/PARKD REGEN switch to initiate the regeneration cycle.

   The engine speed will automatically ramp up to a preset RPM, PARKD REGEN ACTIVE will be displayed in the information display, and the switch indicator will illuminate when the cycle is started. If the indicator is blinking, check to be sure that all conditions in step 2 have been met. Once started, the regeneration cycle will last approximately 30 minutes.

NOTE: If any of the above conditions are altered during the Parked Regeneration process, regeneration will be halted, and must be restarted.

4. When the regeneration cycle is complete, the switch indicator will go off, the engine RPM will return to normal idle, and all exhaust filter warning indicators will be off. The vehicle may now be driven normally.

NOTE: In the event of an emergency situation where the vehicle must be moved after beginning Parked Regeneration, press PARKD REGEN position of the ON/PARKD REGEN switch to cancel Parked Regeneration.

Regeneration Inhibit Switch

The optional Regeneration Inhibit switch is used to prevent the normal regeneration or parked regeneration processes.

NOTE: There are two versions of the regeneration inhibit switch: the two-position and the three-position switch. Therefore, it's necessary to verify which version is installed in this vehicle. Both versions have the same switch labels.

Questions?

- You need to go drive the truck and operate the high pressure foam with the monitor and hose reels to get the feel of them