570

The New Type III

Objectives

- Review vehicle specifications
- Safety Considerations
- Compartment setup

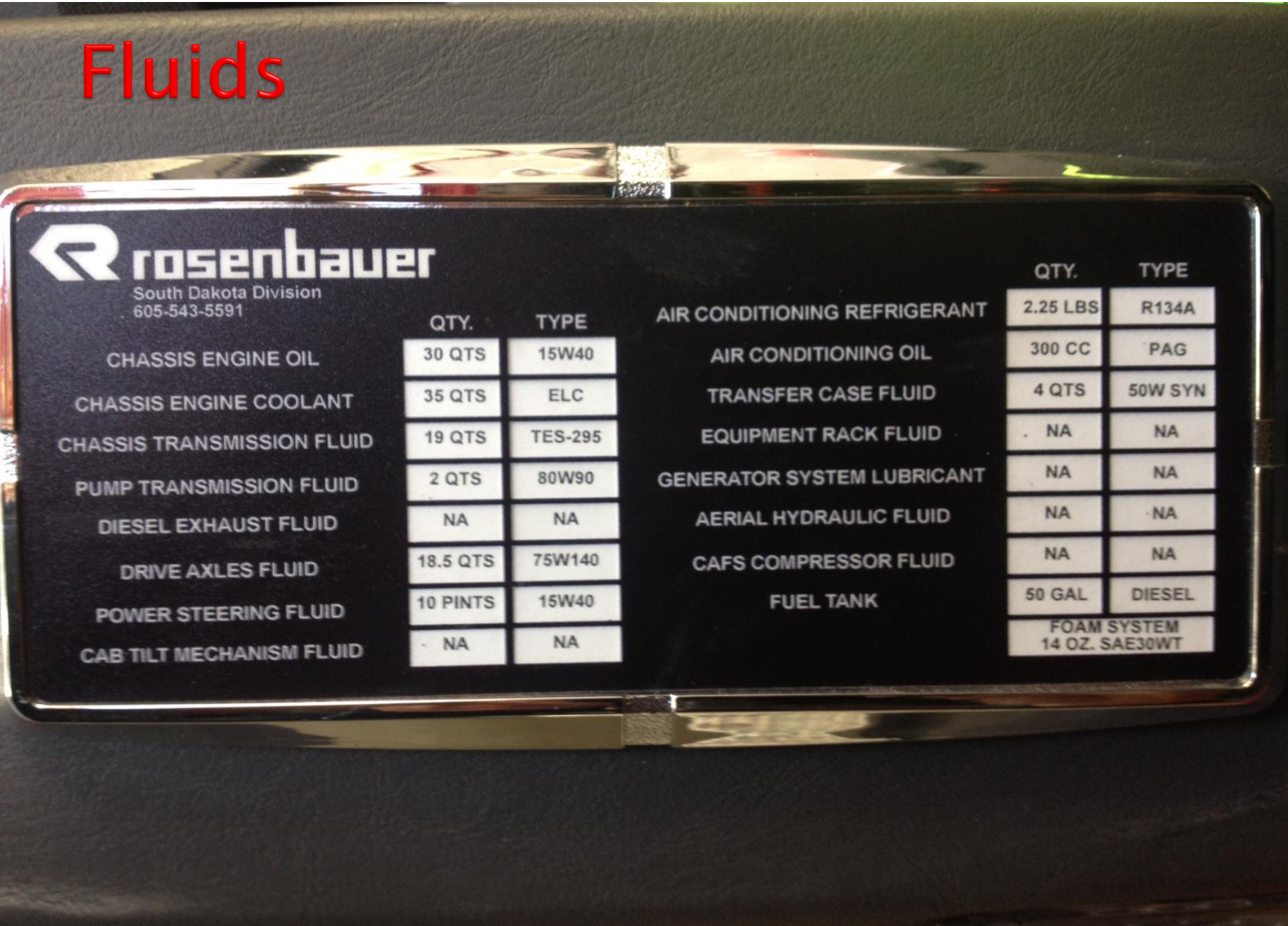
Vehicle Specifications

- 2013 International chassis with Maxxforce inline 6 cylinder turbo diesel engine
- Rosenbauer high/low pressure pump

Pressures

- 31 psi operating pressure at low idle
- 40 psi operating pressure at high idle
- 700 rpm at idle

Fluids



	QTY.	TYPE
CHASSIS ENGINE OIL	30 QTS	15W40
CHASSIS ENGINE COOLANT	35 QTS	ELC
CHASSIS TRANSMISSION FLUID	19 QTS	TES-295
PUMP TRANSMISSION FLUID	2 QTS	80W90
DIESEL EXHAUST FLUID	NA	NA
DRIVE AXLES FLUID	18.5 QTS	75W140
POWER STEERING FLUID	10 PINTS	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	4 QTS	50W SYN
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
	FOAM SYSTEM 14 OZ. SAE30WT	

Safety Considerations

- Vehicle goes very fast, do not exceed speed limit
- Vehicle is very tall (10’3”), be careful where you drive it
- Although it is 4 wheel drive do not take into sketchy locations
- The hose reels and monitor are high pressure
- Be careful climbing up and down the ladder

Pump 750 gpm, 500 gallon tank

Suction hose and ladder

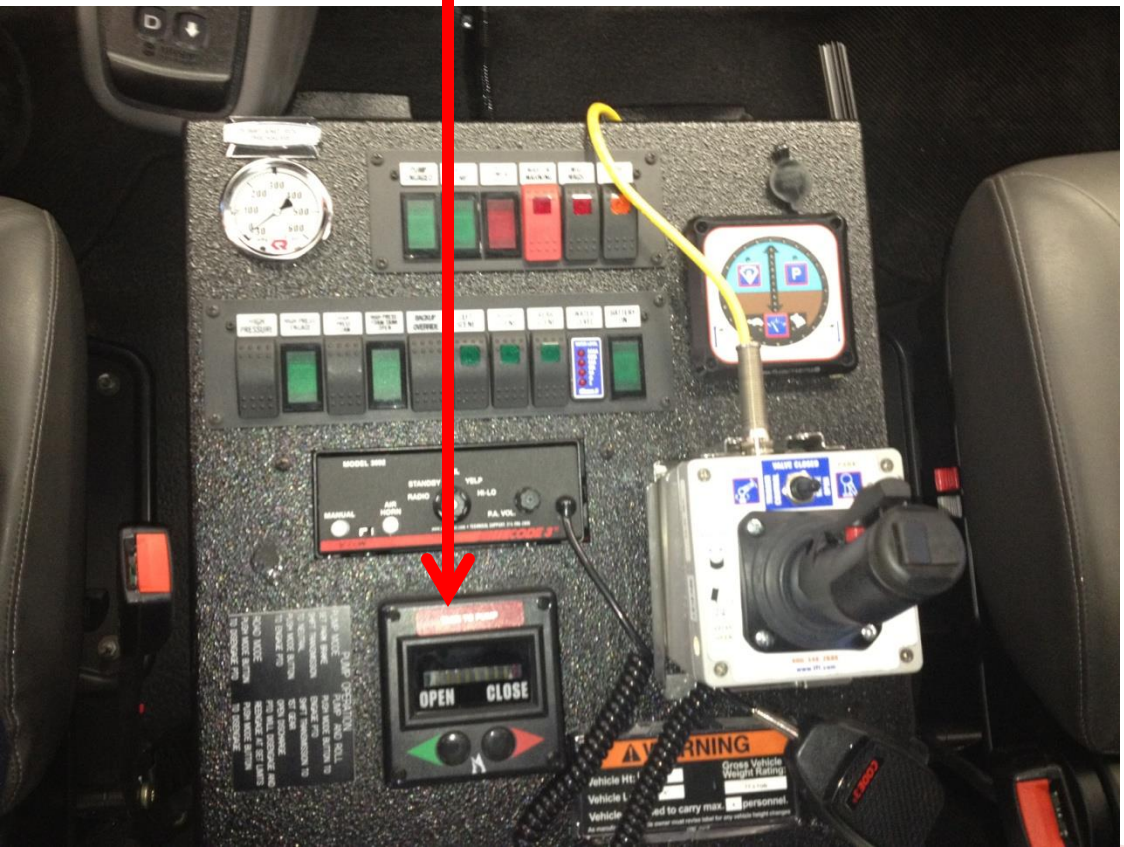
Tank level indicators on 3 sides

1 ¾" 200 feet hose with nozzle

Pump Panel (Rear)

Tank to Pump and low pressure foam controls (only on rear)

Tank to pump in cab



Tank to pump on panel on the rear of truck

Pump throttle control

Air purge for blowing out pump in freezing temperatures

Front Monitor attachment

- Align the coupling on the bumper with the monitor
- Turn the coupling clockwise and you will hear it ratchet and get tight
- Attach the electrical connection

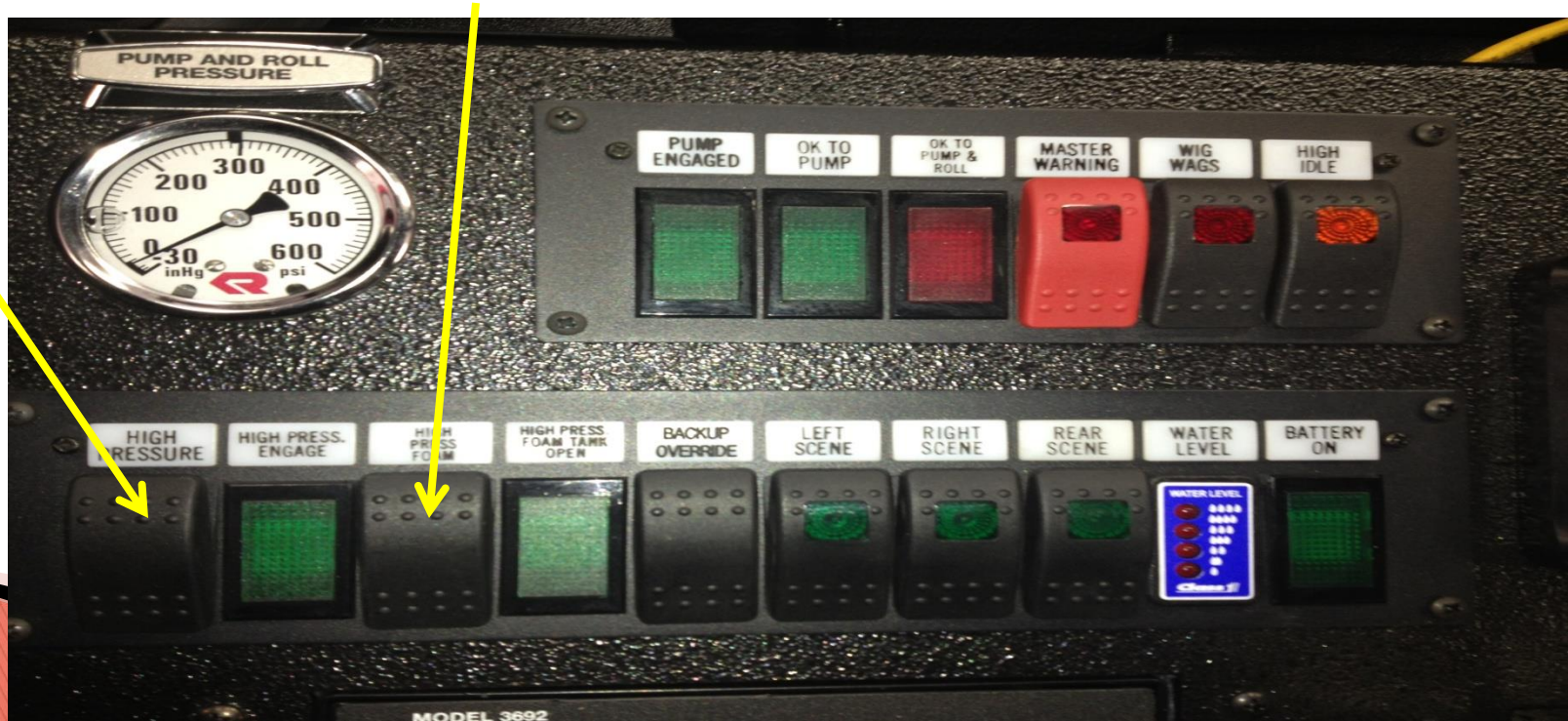
4 wheel drive proceedure

- Set the parking brake
- 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

High pressure foam

- Open tank to pump
- Press mode button
- 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 and front monitor are plumbed with high pressure foam

Driver's side front

Driver's side middle

storage

EMS gear

Driver's side rear

Driver's side top

2 ½" hose 200'

1 ½" hose 1000'

1 ¾" hose with nozzle 200'

Water and foam tanks

Personal gear area and snap tank

Captain's side top

Captain's side front

Hand tools

Captain's side middle

Travis packs (8)

Sprinkler kit (15) with fittings

Captain's side rear

Striker pumps (2)

Saw bags (2)

Chain saws MS440 (2)

Drip torches (2)

Mark 3 pump

Fuel cans

Generator/light

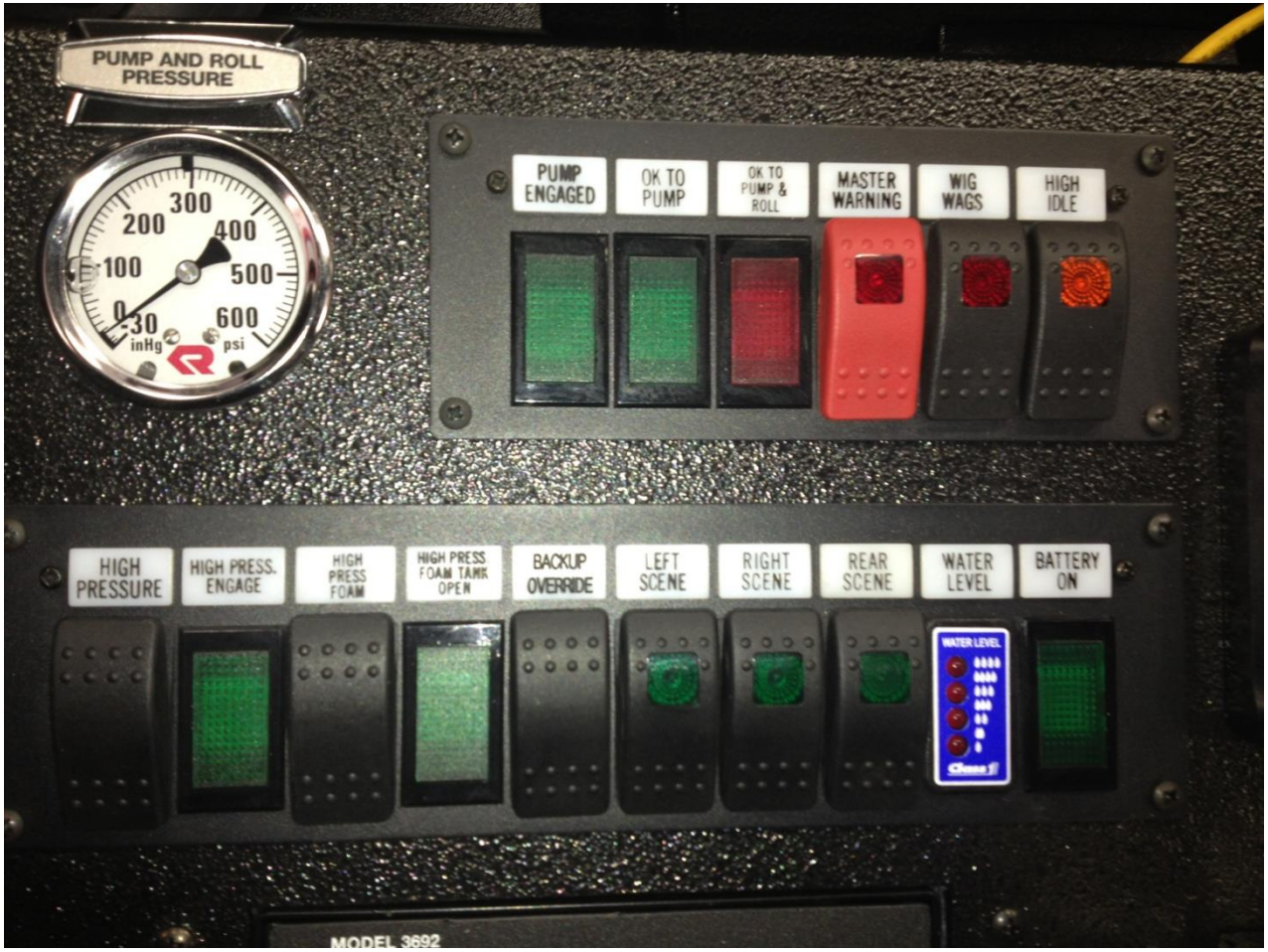
Front pre-connect with nozzle

Monitor mount

Dual high pressure hose reels

Cowling

Cab controls



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 3813CS1 **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

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