

Engine 5

Driver Detail Sheet

The **big red circular light** on the cab roof between the driver and the officer indicates that something is not closed! This light is hooked to every cabinet, the ladder rack, the light tower and the deck gun. There is also a buzzer that will sound if you release the brake with this light on. Weather or not you opened it, it is the **DRIVER'S** responsibility for anything left open or unstowed!

DASH LIGHTS-

1. **2 lighting bolts** – indicate battery is on
2. **Yellow low voltage light** – if this comes on switch to high idle
3. **Red STOP Engine light** – if this comes on STOP ENGINE!!
4. **Check engine light** – if this comes on notify Co. Officer
5. **Transmission Temp** – will go yellow first then red, if red stop!
6. **Pump light** – transmission is locked in direct drive (4th gear)
7. **Blue hi beam light** – hi beams are on
8. **Low Air** – light is: Yellow @ 90psi, Red @ 60psi. At 60psi the brakes will engage
9. **Low fuel** – Yellow then Red at 15 gallons left (When pumping you may use as much as 3 gallons per 15 minutes) Normal condition the truck will get 8 – 10 MPG. **FUEL TANK is 62 Gallons**
10. **Brake warning light** – Lights when there is a problem with brake system
11. **Check Transmission light** – Lights when transmission fluid is low
12. **ABS red light** – light will stay on till truck reaches 5 MPH

DASH GAUGES-

1. **Volt Meter** – 14 is normal, 12 – 16 is ok
2. **Oil Pressure** – 8 – 60psi is normal
3. **Temperature** – 200 degrees is normal
4. **Transmission oil temp** – 230 degrees is the high limit

5. **Front and Rear air pressure** – 90psi normal, 120psi compressor goes off, 60psi brakes engage

SWITCHES and BUTTONS-

1. **Primer** – this is a fuel primer, **DO NOT USE THIS SWITCH**
2. **Mirror controls** – adjusts both mirrors. Mirror heaters work automatically
3. **High Idle** – Use this to increase engine idle. Use when AC or heat are on, or if you have a high electrical output.
4. **Drive Line Brake** – use this when taking truck out of pump. Put truck in NEUTRAL, then use this button to stop the fly wheel from spinning before you transfer from pump to road.
5. **Jake Brake** – ON/ OFF switch turns it on or off. HI, MED, LOW selects hi, medium or low. NOTE- when in pump Jake brake is shut off automatically. Avoid using Jake brake in poor driving conditions as it works against the ABS.
6. **Air indicator** – if this is red the truck needs service
7. **Brow Light Switches** – turns on each of the 4 brow lights. May be used while in motion. Generator PTO and excite switch must be on to use.
8. **Parking lights** – this will turn on the recessed lights by the rear wheels. To be used when in reverse in low light conditions.
9. **Master Switch** – this is the load manager switch. Has to be on for AC and Heat to work. Should be use to control all emergency lighting.
10. **Emergency Light switches** – control the individual emergency lights. These should all be left on all the time. They are controlled by the master switch. If you need them off turn them off individually. They may turn off slowly.
11. **Siren Brake** – brake for the federal siren
12. **Generator PTO** – this is the main switch for the hydraulic generator this switch should stay on all the time.
13. **Generator excite** – this will get the generator to produce power. Turn it on to use anything that draws from the generator.

FLUIDS-

1. **Engine Oil** – located in engine compartment
2. **Transmission fluid** – located in engine compartment
3. **Antifreeze** – located under officers door
4. **Wiper fluid** – located under officers door

5. **Batteries** – located under each cab door
6. **Pump Primer**- located above the pump panel

TRANSMISSION SELECTOR-

1. Push buttons to select gear
2. 4th gear will go up to 42 MPH. While inside the district 4th gear is the highest gear used.
3. If you are on a highway switch to MODE. Truck will now use up to 5th gear and go a maximum of 62 MPH
4. You may change gears at any time, but the truck will not shift into the gear you selected until it is safe for the engine to do so.
5. **BE VERY CAREFUL** not to hit the selector by accident. If you hit reverse by accident the truck will not immediately go in reverse, but when you stop it will then switch to reverse!!

STARTING PROCEDURE-

1. Turn on battery switch before you enter driver's seat.
2. Turn on ignition switch and **wait till beep ends.**
3. Make sure truck is in NEUTRAL
4. Press start button

SNOW AND DEEP MUD-

1. Use only @ 10 MPH or less.
2. Use only in 1st gear. (This will make sure you stay below 10 MPH)
3. You may switch it on while moving but it will only work @ 10 MPH or less

SWITCHING TO PUMP-

1. Be sure brake is applied.
2. Put truck into NEUTRAL.
3. Lift pump shift handle and put into pump.
4. Put truck into DRIVE (4th gear)

SWITCHING OUT OF PUMP-

1. Put truck into NEUTRAL.
2. Press drive line brake button
3. Lift pump shift handle and put into road.

PUMP PANEL-

1. **Front Suction** – when not in use leave it in CLOSED.
2. **Air Valves** – manual shifts will only work when no air in system.
3. **Auxiliary Cooler** – cools engine
4. **Circulating Line** – cools pump. Runs water from the tank to the pump. Only ½ line, if you are not pumping for a long period you may still have to circulate water with other methods.
5. **Volume/ Pressure** – this is an air valve with a manual crank. If needed the crank is in the pump operator's cabinet. You may switch from pressure to volume at any pressure. You may switch from *volume to pressure only when below 100psi.*
6. **Pump over heat** – if tank water hits 180 degrees it will discharge from the relief valve located under the cab on the officer's side
7. **Pump Governor** – Pre Set – set @ 130psi. Use arrows to increase or decrease pressure. Hit IDLE at any time to bring truck back down to idle.

HYDRAULIC GENERATOR-

1. The following things are controlled by the generator – all 4 brow lights, the light tower, the electric cord reel, and all the outlets on truck.
2. To use any of these items the generator PTO and the generator excite switches must be on.
3. There are switches for all 4 brow lights on the pump panel and in the cab. These are not 3 way switches.

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