



Burtonsville VFD TRUCK 715

2016 Pierce Arrow XT

105' Heavy Duty Aerial

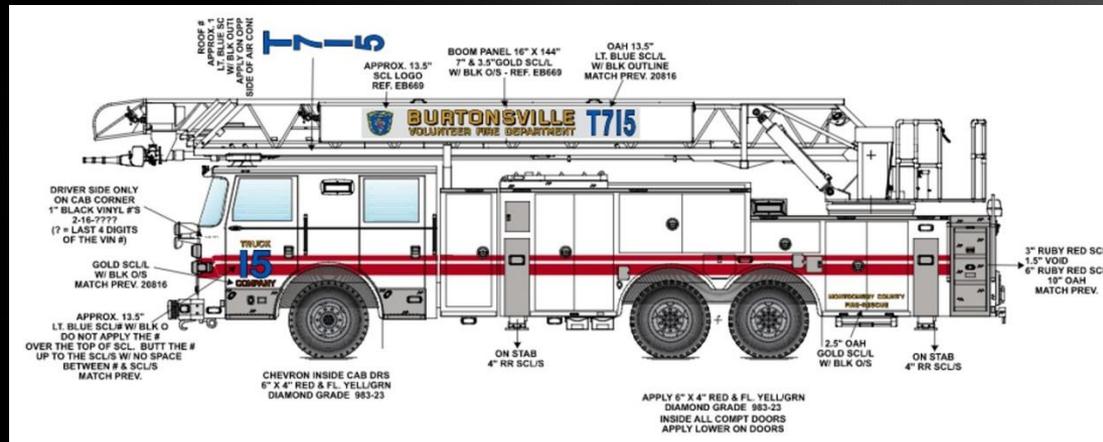
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Outline

Purpose: Incumbent driver quick reference guide.

- Specifications and Fluids
- Cab layout and Fluids Access Point
- Emissions Maintenance
- DEF REGEN Information
- Aerial Operations and Aerial Device
- Generator and Lighting
- Ground Ladder Complement
- Traction Controls



Vehicle Specs

Truck 715	2016 Pierce Arrow XT
Length	40 ft. 3 in.
Width	8 ft.
Height	11 ft. 8 in.
Wheelbase	205.5 in.
GVWR	67,500 lbs.

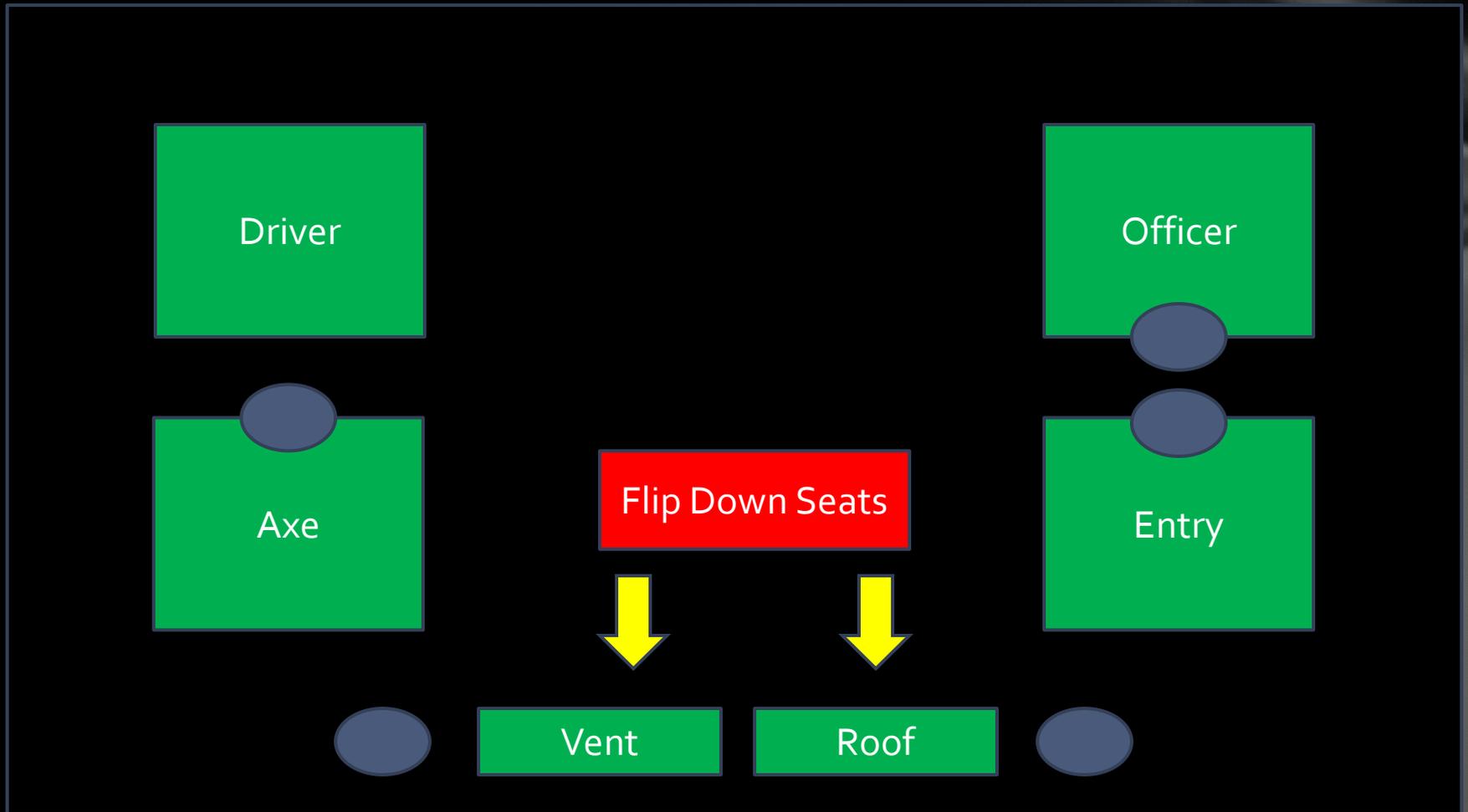
Vehicle Specs

Truck 715	2016 Pierce Arrow XT
Engine	Detroit DD13
Horsepower	500 HP at 1800 rpm
Governed Speed	68 mph
Torque	1650 lb-ft at 1200 rpm
Transmission	Allison Automatic EVS4000P

Fluids

Truck 715	2016 Pierce Arrow XT
Oil	42 Quarts 15W40
Transmission	39 Quarts TranSynd
Coolant	55 Quarts
Power Steering	4 Quarts ATF
Diesel	50 Gal
DEF	4.5 Gal

Cab Layout



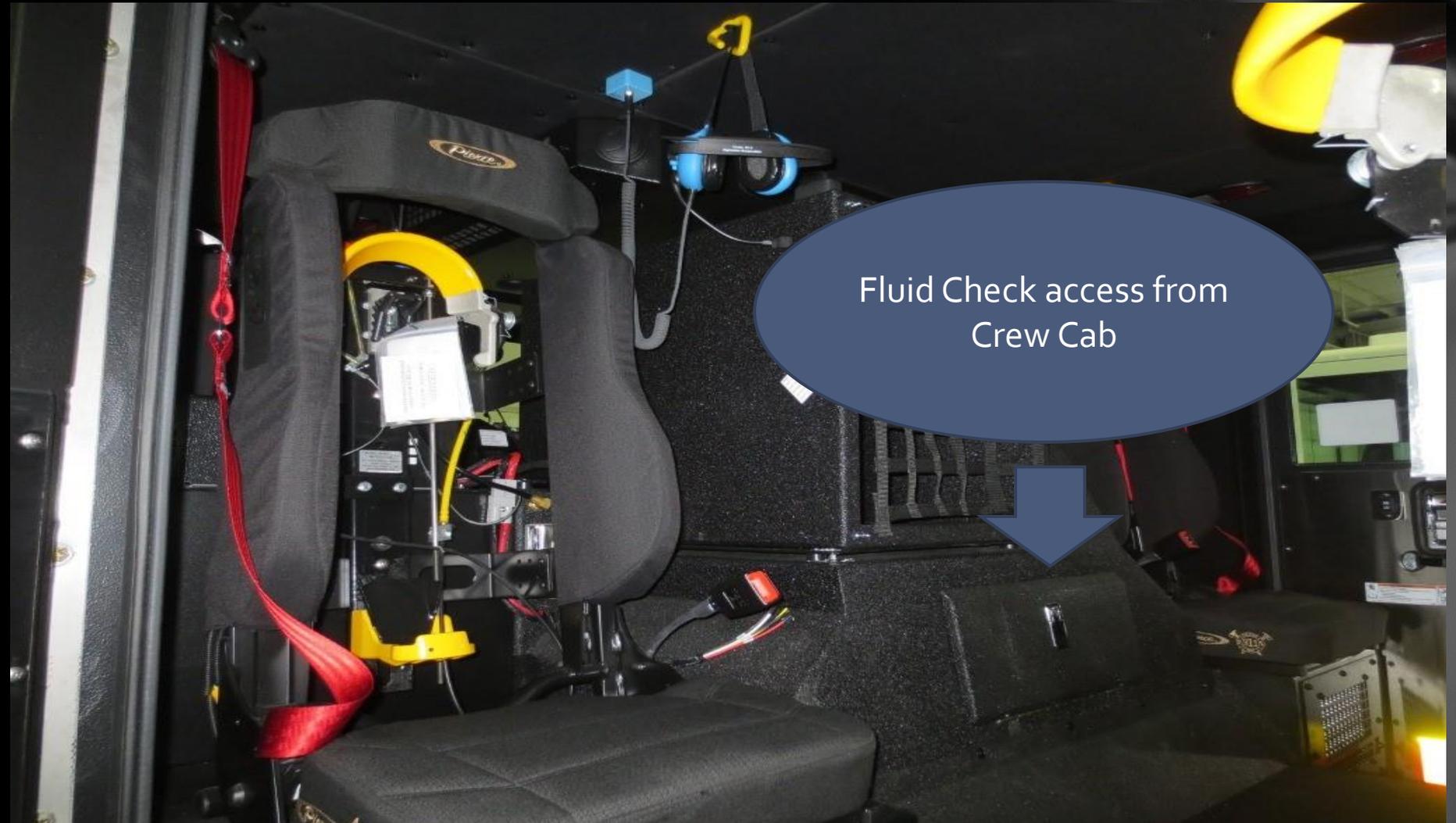
Cab Tilt Controls



Cab Tilt Support Arm



Fluids Access



Fluid Check access from
Crew Cab

Center of Cab Front

- Powercall electric siren control.
- Power window controls.
- Montgomery County Mobile
- Prince George's County Mobile
- A/C and Heat controls
- Additional Maxi brake for OIC access (FOR USE ONLY IN EMERGENCIES)

Traction

- ABS equipped
- Differential Lock
- Off Road traction switch
- Inter-axle Differential lock



Emissions Maintenance



DIESEL PARTICULATE FILTER (DPF) LAMP

- The DPF Lamp indicates, when illuminated or flashing, that the DPF requires regeneration. This is accomplished by the following:
 - If the vehicle is equipped with Regeneration Inhibit Switch, ensure that the switch is not in the inhibit position.
 - Perform a Regeneration by either 20 minutes of significant duty cycle (20 minutes of highway driver or perform a parked regeneration).

Emissions Continued

- If a regeneration is not completed in a timely manner the DPF light will begin to flash.
 - Engine power will be reduced.
- A parked regen should be completed when possible (this will take approx. 20 min.)
- The unit should be placed OOS mechanical during this time, and position at least 6 feet from any objects.

Emissions Continued

- DPF Lamp Flashing with Audible Alarm or Check Engine Light
 - Engine Power automatically reduced.
- A parked regen must be completed immediately.

DEF Regen Inhibit

- Purpose: Temporarily prevent or disable regen
- Excessive use will result in more frequently required regeneration.
- Only for emergency scenarios



Parked REGEN

- Position 6 feet from any objects. The unit must be outside, in Neutral with the parking brake engaged.
- Clear exhaust surfaces
- DO NOT engage high idle or PTO's
- This will take 20-30 minutes.
- Press DEF REGEN switch to begin.
- UNIT MUST BE PLACED OOS MECHANICAL BEFOREHAND

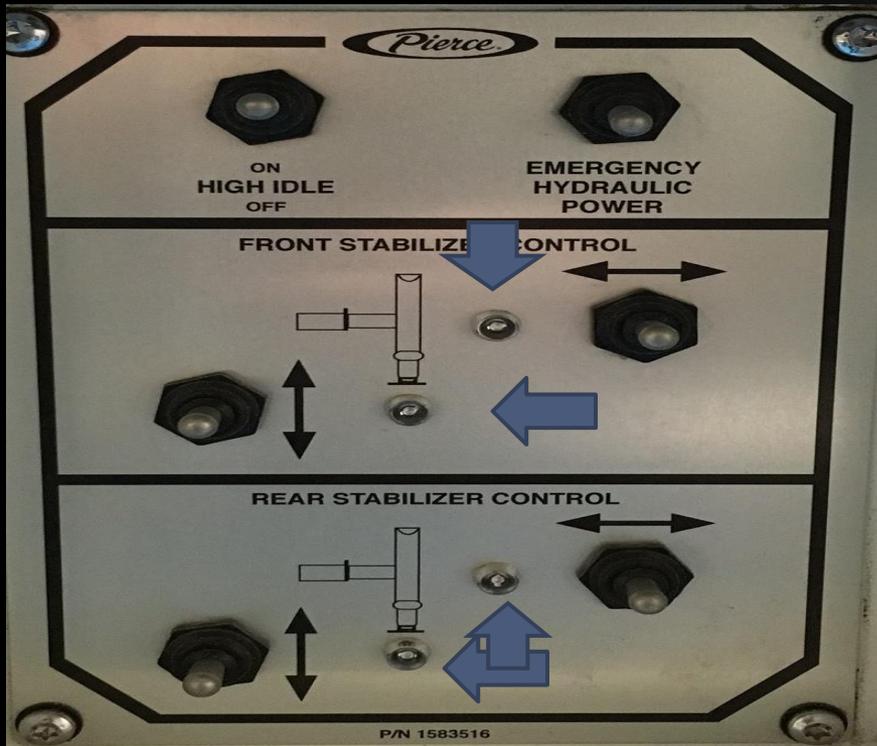
Aerial Operations

- Position apparatus appropriately.
- Place vehicle in Neutral.
- Set parking brake.
- Set front wheel lock.
- Press Aerial Master switch.
- Turn on Aerial PTO



Aerial Operations

- Place jack plates as appropriate.
- Extend and lower all jacks, ensuring 4 green lights at each control set.



Aerial Operations

- Interlock Switch
- Engage foot pedal at pedestal.
- Raise and operate aerial device.



Aerial Device

- 4 Section ladder
- 500 lb. Tip Load
- Pinnable waterway
- 14 ft. roof ladder in storage box



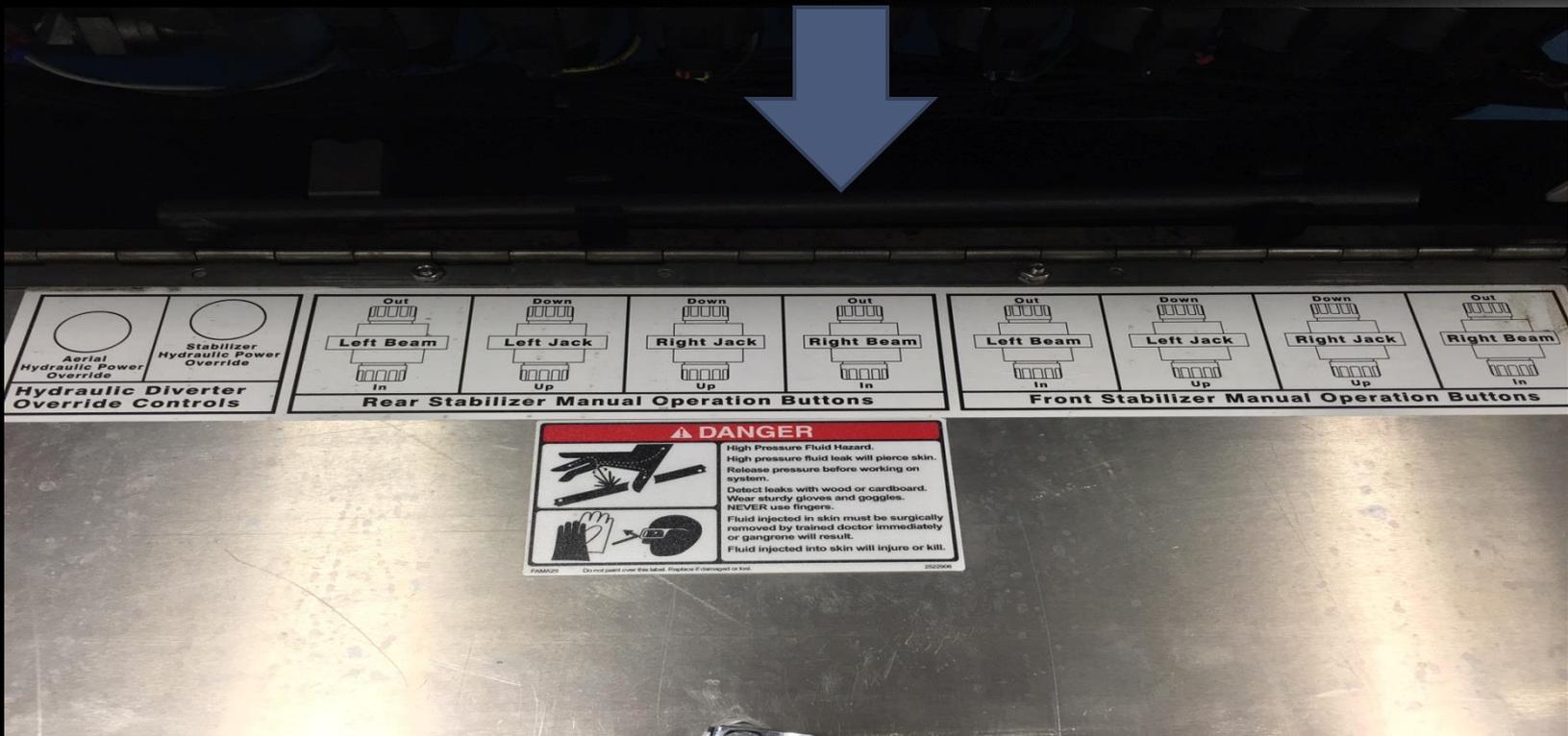
Aerial Overrides

Compartment below rear ladder bed.



Aerial Overrides

- Utilize override rod to operate valves.



Aerial Emergency Pump

- Capable of running for 30 minutes if needed.
- Battery and ignition switches must be engaged.
- Switches located at each jack, in rear override compartment, and on turn table.

Pedestal Controls

- Aerial Controls
- High idle switch
- Tip/Tracking lights
- Indicator alarm and test
- Air horn
- Emergency power
- Stabilizers not fully extended light
- Run alignment light

Generator

- Harrison 6KW Generator
- PTO driven
- Must be started via Gen PTO switch in cab
- RPM's should be at or near idle.

Scene Lighting

- All floods lights run on 12V power.
- Can be turned on at any speed with or without generator engaged.



Ground Ladders

Rear Compartment

- 1-45 ft. bangor
- 2-35 ft. extension
- 2-18 ft. roof
- 1-10 ft. folding

Officer's Side

- 2-28 ft. extension

Driver's Side

- 1- Little Giant folding ladder