

Engine 351 Driver Initial Qualification Check List

Basic Knowledge

- Water capacity - 1000 Gallons
- Pump capacity – 2000 Gallons per minute
- Foam Capacity – 50 Gallons
- Fuel – Type and location of fuel fill
- Generator - 15KW

Vehicle Operation – The member wishing to be qualified must be able to demonstrate the following knowledge regarding the vehicle operation.

- Ability to start the apparatus and drive it in a safe manner
- On spot Chain operation
- Dash gauges
- Jake Brake (Engine Brake)
- Engine High Idle
- Emergency Warning systems (Warning Lights, mechanical and electronic siren, Arrow)
- Start and stop the generator Properly
- Engage and disengage the pump properly
- Properly deploys wheel chocks

Apparatus Positioning – The member wishing to be qualified must be able to demonstrate knowledge regarding basic apparatus positioning.

- House fires
- Car accidents
- Wires down calls
- Standard hose lay and reverse hose lay
- Commercial Buildings

Radios – The member wishing to be qualified must be able to demonstrate the following knowledge of the radio systems on the apparatus

- Mobile radios
 - Demonstrate knowledge of how to change the radio channels
 - Demonstrate knowledge of changing zones for mutual aid
 - Demonstrate knowledge of what can happen if one of the radios is on scan
- Portable radios
 - Understand the operation and location of the drivers portable
 - Understands the charger indicator light and proper radio placement in the charger
- Knox box
 - How is the Knox box activated
 - How is the key removed

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Light tower Operation – The member wishing to be qualified must be able to properly deploy and stow the light tower

Master stream Operation – The member wishing to be qualified must be able to properly demonstrate Knowledge of how to deploy and operate the master stream.

Foam Operation – The member wishing to be qualified must be able to demonstrate knowledge of how to properly set up the truck for foam operations

- Can demonstrate knowledge of the foam system on truck
- Where are the eductors located on the truck
- How is the foam system is connected
- Proper Pressure and mixture settings

Pump Operations – The member wishing to be qualified must be able to demonstrate the following items individually or during pumping operations. The purpose of this is to make sure that operator has knowledge and the ability operate the pump safely and proficiently.

- Demonstrate the ability to recirculate water and explain why we recirculate water
- Can explain the operation of the relief valve
- Can explain the operation of the pump panel computer and gauges
 - Throttle Control
 - Pressure vs Volume
 - Preset
- Demonstrate or explain the ability to connect to a hydrant
 - Can demonstrate flowing water from the tank
 - Can demonstrate the ability to transfer from tank water to hydrant water
 - Can demonstrate the ability to flow water while filling the tank
- Demonstrate or explain drafting operation
 - Knows where hard suction is located
 - Knows what to look for when connecting hard suction
 - Can demonstrate or explain how to connect the hard suction to the truck
 - Knowledge of where the strainers are located and when to use each strainer type
 - Can demonstrate primer operation to pick up draft
 - Can demonstrate knowledge of the operation and location of front suction drains
 - Can demonstrate or explain fill site setup
 - Knows where the equipment is
 - Can explain proper placement of apparatus for efficient operation
 - Can demonstrate or explain dump site setup
 - Proper placement of folding tank
 - Can explain proper placement of apparatus for efficient operation
 - Primer Type –
 - Does it require primer oil

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- Stand Pipe Connection and operation
 - Demonstrate knowledge of FDC connection locations and signs
 - Demonstrate knowledge of how to connect
- Pump Pressures – Demonstrate an understanding of proper pump pressure setting for type of hose line and nozzle
 - 1 ¾" with a TFT nozzle
 - 1 ¾" with a smooth bore nozzle
 - 2 ½" with a TFT nozzle
 - 2 ½" with a smooth bore nozzle
 - 4" LDH supply line
- Hose line knowledge – Must be able to explain what lines are pre-connect and which lines are dead lays. Must also be able to explain what each line is to be used for.
 - Jump Line(Trash Line) size and length
 - 1 ¾" Cross lays – What is the length and how are they packed
 - 2 ½" Cross lay – What is the length and how is it packed
 - Rear Minute Man - What is the length and how is it packed
 - 4" LDH – What is the length and how is it packed
 - 3" Dock Line - What is the length and how is it packed
 - Blitz fire
 - High Rise Pack

Equipment – The member wishing to be qualified must be able to locate and operate the following tools and equipment

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|-------------------------------------|-------------------|
| • Ladders – Extension, Roof, closet | RIT Equipment |
| • Saws | Extrication Tools |
| • TIC | Gas Meters |
| • Trauma Bag | AED/Epi Pens |
| • Elevator Keys | K-Tool |

Note –

The member being qualified may be signed off in sections. However the member will not be re-Qualified until all sections are complete.

Member being qualified _____ (Print Name)

Qualifier Name _____-(Print Name)

Signature _____ Date _____