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| Santa Barbara City Fire Department - Standard Operating Procedures<br><b>Apparatus and Equipment Operations</b> |                 | Code:<br><b>A-II-3</b> |
| <b>Apparatus 1963</b>   |                 |                        |
| Chpt: II Frontline Apparatus  | Revised: 4/4/13 | Pages: 4               |

## I. PURPOSE

- A. To provide specifications and operating procedures for this specific apparatus.

## II. SPECIFICATIONS

- A. Make: 1998 Spartan Hi-Tech
- B. Engine: make, hp, cubic inches, bore and stroke. Detroit Diesel, 470 HP, V6
- C. Pump: Make, number of stages: Hale, 1500 gpm single stage centrifugal pump
- D. Water tank capacity: 750 gallons
- E. GVW: 37,320 pounds (3/4/13)
- F. Transmission: Allison 5-speed automatic
- G. Hose compliment:
  1. 4": 600 feet in hose bed, 24 foot fill hose
  2. 2 ½": 1200 feet in hose bed
  3. 1 ¾": 500 feet (150 and 275 preconnect) and 75' highrise hose pack
  4. 1 ½": 800 feet
  5. 1": 400'
  6. 3": Soft suction on each side of engine.



## III. OPERATIONS

- A. Starting
  1. Two toggle switches on left side of steering wheel
  2. Turn "Master" and "Ignition" switch on
  3. Push button to start

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## B. Pumping

1. Engage anchor locks (vehicle will not pump if anchor locks are not engaged).
2. Switch pump transfer switch to pump (located on left side below dashboard)
3. Place transmission into Drive
4. Panel light switch located at top of engineer's panel
5. Radio speaker with switch mounted near panel on cab
6. Sigtronics headset in box to right of panel
7. Chock blocks under body in front of left side duals.
8. Tank to pump on right side of panel.
9. Water gauge on right side of panel

## C. Ladder Rack

1. Master switch must be on to lower ladders
2. Remove ladder cover
3. Check clearances
4. Switch is located on right side panel below ladders
5. Lower ladders
6. Remove straps

## D. Foam proportioner

1. Hale Foam Master proportioning system for Class A foam
2. Foam is plumbed to front bumper (jump line) and discharge #5 (150 preconnect)
3. Foam Control Unit is located on left side of pump panel.
4. Make sure "Foam Flush" toggle switch on panel is CLOSED
5. A "cheat sheet" for its use is located in compartment # 2
6. To use: Push "On" button on Control Unit

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7. Unit will immediately begin proportioning foam
8. Display shows:
  - a) Flow- flow rate of water or foam solution per minute
  - b) % Foam- shows foam concentrate set (e.g., 0.5= 0.5%)
  - c) Total Flow- shows total amount of water or foam solution used
  - d) Total Foam- shows amount of foam concentrate used
  - e) Bargraph- 17 LED lights show approximate amount of foam concentrate being pumped
9. “Up” and “Down” arrows allow adjustment of foam concentrate
10. Arrows depressed at same time resets the control unit displays
11. To flush foam system:
  - a) Turn Foam Control Unit OFF
  - b) Turn “Foam Flush” toggle to open
  - c) Flush discharge line(s).

### E. Cab Tilt

1. Remove everything movable inside cab
2. Check overhead clearances
3. Open compartment #12
4. To raise cab
  - a) Push “Up” button. When raising, red light will illuminate
  - b) Raise to clear safety channel on right tilt piston
  - c) Channel should fall onto piston when raised. Make sure it is engaged.
  - d) Lower cab back to near safety channel
5. To Lower cab:
  - a) Pull handle for safety channel to move it off piston.

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- b) Push “Down” button to lower cab
- c) Continue lowering until cab reaches frame and hold down hooks engage cab.
- d) Continue pushing “Down” button until light turns off.

[INVENTORY LIST](#)