

OPERATING MANUAL

Tonto Hills Volunteer Fire Dept.

E81

Index

Section 1.	Starting the truck: Choke & coil hersee switch location: and operation	Page 1 2
Section 2.	At the Fire Scene Starting the pump: Control Panel:	Page 1 2 3
Section 3.	Canvas Hoses: Redline Hose:	Page 1 2
Section 4.	Parking the truck	Page 1
Tonto Hills Street Map & Fire Hydrant locations:		Appendix A

OPERATING MANUAL

STARTING THE TRUCK

- 1) Truck in Gear
- 2) Emergency brake push ON
- 3) Remove left rear wheel chock and hang it by the chain clip on the hook 6 feet above (on truck) left hand side (wheel chock to stay with truck)
- 4) THROTTLE ON OUTSIDE PANEL.....PUSH FULL IN
- 5) COLE - HERSEE SWITCHSET TO BOTH

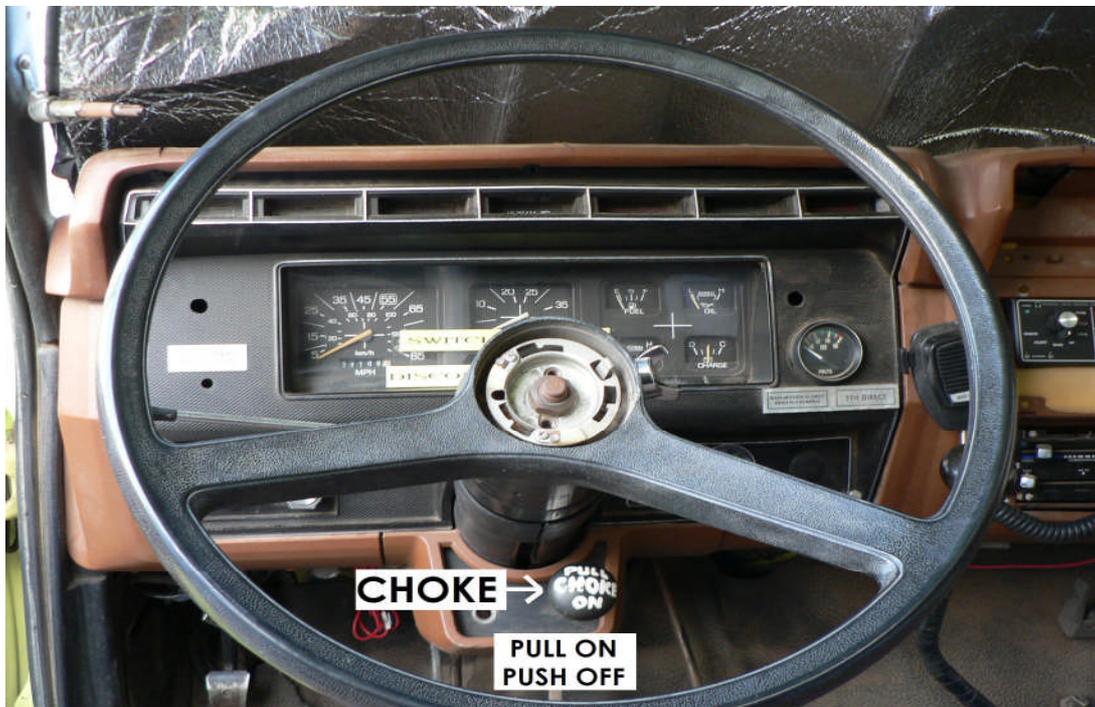
FROM DRIVER'S SEAT:

- 6) GEAR SHIFT.....NEUTRAL
- 7) EMERGENCY BRAKE STILL ON
- 8) Power take-off lever in locked forward position
- 9) CHOKE (cold engine).....PULL FULL OUT
CHOKE (hot engine) PUSH FULL IN
- 10) COLD ENGINE . DO NOT pump accelerator more than once
HOT ENGINE . DO NOT pump accelerator
- 11) KEY SWITCH (No key required).....START
- 12) Let engine run for at least 15 seconds at fast idle before next step(s)
- Check for oil pressure
- 13) ENGAGE 1st or 2nd GEAR
- 14) EMERGENCY BRAKE OFF
- 15) CHECK FOOT BRAKES FOR FUNCTION **IMMEDIATELY**
- 16) IF FOR ANY REASON THE FOOT BRAKES DO NOT FUNCTION—SINCE YOU ARE IN 1st or 2nd GEAR WITH THE CLUTCH OUT, SIMPLY TURN IGNITION KEY OFF TO BRING TRUCK TO A STOP
- 17) VEHICLE IS HEAVY !!!STAY IN GEAR **WITH CLUTCH OUT**
- 18) **NEVER** COAST VEHICLE IN NEUTRAL or with CLUTCH DEPRESSED

OPERATING MANUAL



COLE - HERSEE SWITCH
(connects and dis-connects dual batteries)



CHOKE LOCATION
SECTION 1

AT THE FIRE SCENE

- 1) POSITION TRUCK UP WIND FROM FIRE
- 2) **BACK TRUCK IN** IF THROUGH EXIT NOT POSSIBLE
- 3) LET ENGINE IDLE (in neutral)
- 4) EMERGENCY FOOT BRAKE.....PUSH ON
- 5) SET WHEEL CHOCK ON APPROPRIATE WHEEL SO TRUCK CANNOT ROLL DOWNHILL
- 6) SELECT DESIRED HOSES
- 7) **DESIRED CANVAS HOSES MUST BE REMOVED** FROM TRUCK STORAGE TO FULL REQUIRED LENGTH **PRIOR TO PRESSURIZATION**
- 8) START THE PUMP (See Section 2 Page 2)

Note: A pressurized hose stored in top compartment CANNOT be removed to fight a fire.

STARTING THE PUMP

IMPORTANT

**EMERGENCY BRAKE SET
WHEEL CHOCK IN PLACE UNDER LEFT REAR TIRES**

- 1) ALL HOSE VALVES ON OUTSIDE CONTROL PANEL **IN AND OFF**
- 2) TRANSMISSION GEAR SHIFT _____ CONFIRM NEUTRAL
- 3) ENGINE RPM _____ IDLE
- 4) FOOT CLUTCH _____ IN
- 5) POWER TAKE OFF HANDLE _____ PULL UP ON BALL - PULL LEVER REARWARD - PUSH BALL DOWN TO LOCKED POSITION
- 6) TRANSMISSION GEAR SHIFT _____ Select 5th GEAR
- 7) CLUTCH _____ OUT (slow)
- 8) PUMP SHOULD NOW BE RUNNING
- 9) IF PUMP IS NOT RUNNING, CONFIRM THAT POWER TAKE-OFF LEVER IS ALL THE WAY REARWARD AND ENGAGED IN THE REAR NOTCH
- 10) FROM THE CONTROL PANEL, ADVANCE ENGINE RPM SLOWLY (Section 2, Page 3)-

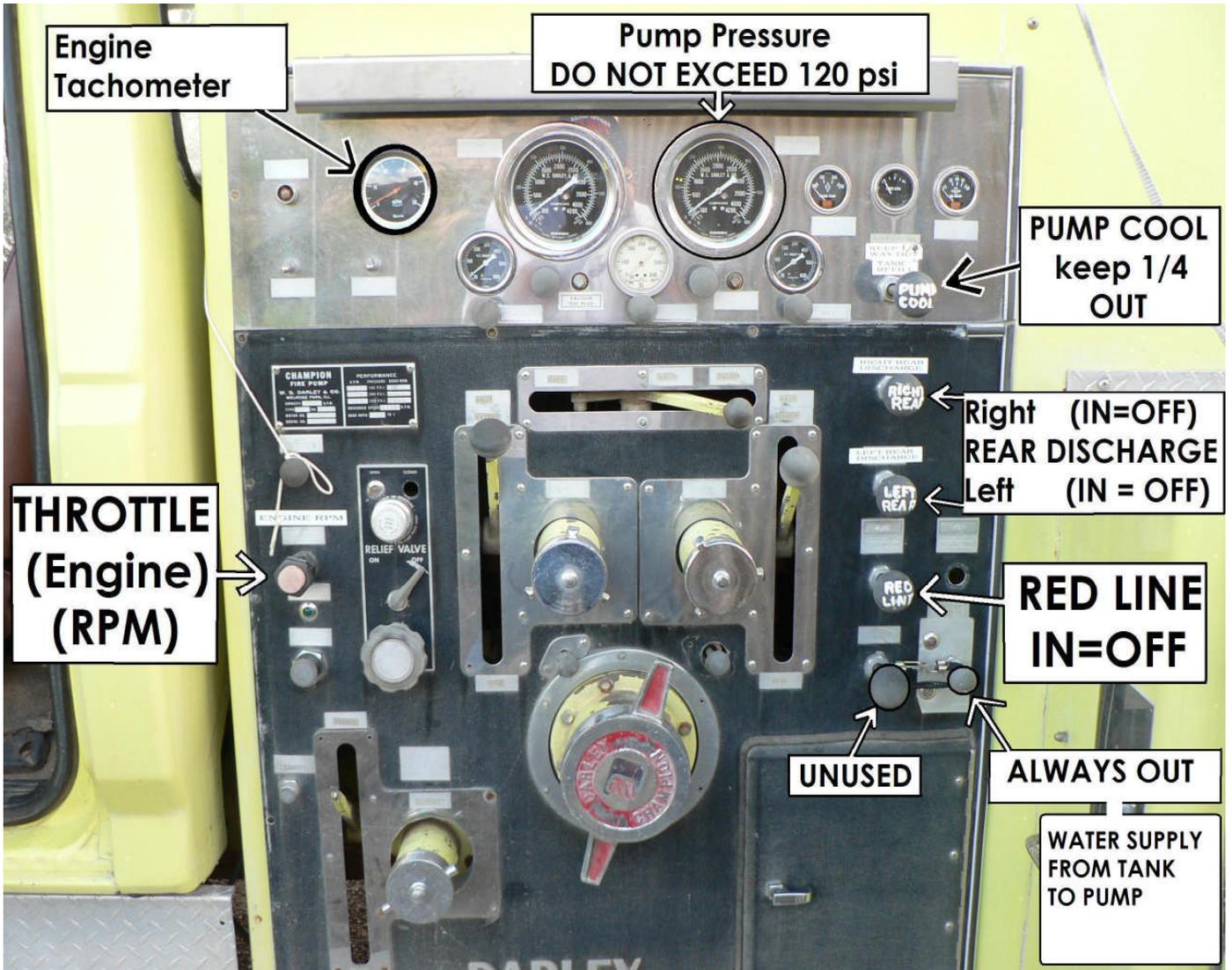
DO NOT EXCEED 120 PSI



SECTION 2

OPERATING MANUAL

CONTROL PANEL



IMPORTANT

DO NOT PRESSURIZE LINES UNTIL YOU HAVE VISUALLY CHECKED REAR OF TRUCK AND ARE SURE ALL HOSES ARE READY TO CHARGE

CANVAS HOSES

(either 1 inch or 1½ inch diameter)

IMPORTANT

DO NOT PRESSURIZE CANVAS HOSES WHILE IN STORAGE COMPARTMENT ON TOP OF TRUCK

Desired length MUST BE removed from TRUCK STORAGE BEFORE PRESSURIZATION

- 1) SPRAY NOZZLE.....CONFIRM CLOSED (lever forward)
- 2) CHECK AT REAR OF TRUCK. CONFIRM CANVAS HOSE IS FREE OF KINKS and HOOKED UP TO PROPER REAR DISCHARGE PORT.
- 3) PROPER REAR DISCHARGE VALVES OPEN (other unused valves CLOSED)
- 4) START PUMP (see Section 2 - Page 2)

AT CONTROL PANEL:

- 1) ENGINE at IDLE
- 2) PUMP COOL VALVE.....PULL ¼ OPEN
- 3) SELECT PROPER REAR LEFT or RIGHT DISCHARGE VALVE.....PULL FULL OPEN
- 4) SLOWLY ADVANCE ENGINE RPM to 120 psi (DO NOT EXCEED 120 psi)
- 5) **MONITOR THE PRESSURE** (PSI GAGE)
 - a) When fireman at nozzle end of hoses require a full stream PSI can drop below 120 PSI
 - b) When fireman at nozzle end of hose, turn the stream down or off the PSI will increase above 120 PSI (Reduce PSI accordingly)

IMPORTANT

**--MONITOR THE PRESSURE GAGE --
DO NOT ALLOW PRESSURE TO EXCEED 120 PSI**

REDLINE HOSE

REDLINE HOSE = 1 inch by 100 feet located on forward reel

- 1) RED HOSE CAN BE PRESSURIZED WHILE ON THE REEL
- 2) PULL (unreel) desired amount of hose out to fire
- 3) SHUT OFF HOSE SPRAY NOZZLE BEFORE PRESSURIZING HOSE FROM CONTROL PANEL

AT CONTROL PANEL:

Start PUMP (see Section 2 - Page 2)
Pump cool valve.....PULL ¼ WAY OUT
Redline VALVE.....FULL OUT
Panel Throttle.....ADJUST RPM TO PROVIDE 120 PSI

IMPORTANT

DO NOT EXCEED 120 psi ON PRESSURE GAGE!!!!!!

PARKING THE TRUCK

IMPORTANT

Before returning truck to Parking area, REFILL WATER TANK. TOP OFF 2" FROM TOP OF OVER FLOW

SECURING TRUCK AT PARKING AREA:

- 1) EMERGENCY FOOT BRAKE - _____ PUSH ON
- 2) ENGINE IGNITION - _____ OFF
- 3) TRANSMISSION - _____ LOW GEAR
- 4) WHEEL CHOCK IN PLACE UNDER LEFT REAR WHEELS
- 5) COLE-HERSEE SWITCH - _____ OFF
- 6) OUTSIDE PANEL THROTTLE FULL IN and ALL HOSE VALVES IN and OFF
- 7) HOSES/EQUIPMENT - STOWED PROPERLY
- 8) REAR DISCHARGE VALVES CLOSED (at rear of truck)
- 9) ALL CABINET DOORS CLOSED AND LATCHED
- 10) WINDOWS CLOSED
- 11) WINDSHIELD AND PASSENGER WINDOW SUNSHIELD IN PLACE
- 12) TIRE COVERS IN PLACE **with TRAILING EDGE OUT**
- 13) TARP COVER IN PLACE and ALL TIES SECURED

OPERATING MANUAL