

Photo Album for Pierce Job 38183-01  
Tucson Fire Department, AZ  
Custom Enforcer Pumper

Wk 12 Production ending July 5, 2024

- The pumper continues assembly at the 41 plant.













Pierce®





Pierce















**WARNING**

	Do not drink alcohol while operating the vehicle.
	Always wear your seat belt.
	Do not use your cell phone while driving.
	Do not use the gear shift while driving.
	Do not use the brake pedal while driving.
	Do not use the accelerator pedal while driving.
	Do not use the parking brake while driving.
	Do not use the clutch pedal while driving.
	Do not use the brake pedal while driving.
	Do not use the accelerator pedal while driving.
	Do not use the parking brake while driving.
	Do not use the clutch pedal while driving.

**WARNING**

Do not use the gear shift while driving.

Do not use the brake pedal while driving.

Do not use the accelerator pedal while driving.

Do not use the parking brake while driving.

Do not use the clutch pedal while driving.

**SPOTTER REQUIRED WHEN BACKING**

Pierce

**WARNING**

Do not use the gear shift while driving.

Do not use the brake pedal while driving.

Do not use the accelerator pedal while driving.

Do not use the parking brake while driving.

Do not use the clutch pedal while driving.















Instrument cluster containing the following gauges:

- DEF (Defrost):** Gauge with markings at 1/4, 1/2, 3/4, E, and F.
- WATER:** Temperature gauge with markings at 140, 170°F, 200, 230, 260, and 280.
- RPM:** Revolutions per minute gauge with markings at 0, 5, 10, 15, 20, 25, and X100.
- MPH:** Miles per hour gauge with markings at 0, 5, 15, 20, 25, 35, 40, 45, 55, 60, 65, 75, 80, 85, 100, 120, 140, and 160.
- VOLTS:** Voltage gauge with markings at 10, 12, 14, and 16.
- OIL:** Oil pressure gauge with markings at 0, 20, 40, 60, 80, and 100 PSI.
- FUEL:** Fuel gauge with markings at E, 1/4, 1/2, 3/4, and F.
- FRONT AIR:** Front air pressure gauge with markings at 0, 30, 60, 90, 120, 150, and 180 PSI.
- TRANS:** Transmission temperature gauge with markings at 100, 150°F, 200, 250, and 300.
- REAR AIR:** Rear air pressure gauge with markings at 0, 30, 60, 90, 120, 150, and 180 PSI.

MADE WITH PRIDE IN  
**AMERICA**  
 BY PEOPLE WHO CARE

START

IGNITION

E-M  
 PANEL  
 OFF  
 PANEL

ON  
 HI IDLE  
 OK-HI IDLE





POWER 4 0 0 V CH- MENU SEL



SIREN BRAKE

DEFROST/DISABLE

LOAD MANAGER

ENG BRK  
SIREN HORN  
PERIMETER LIGHTS  
MIRROR HEAT

Allison Transmission  
R MODE  
N  
D

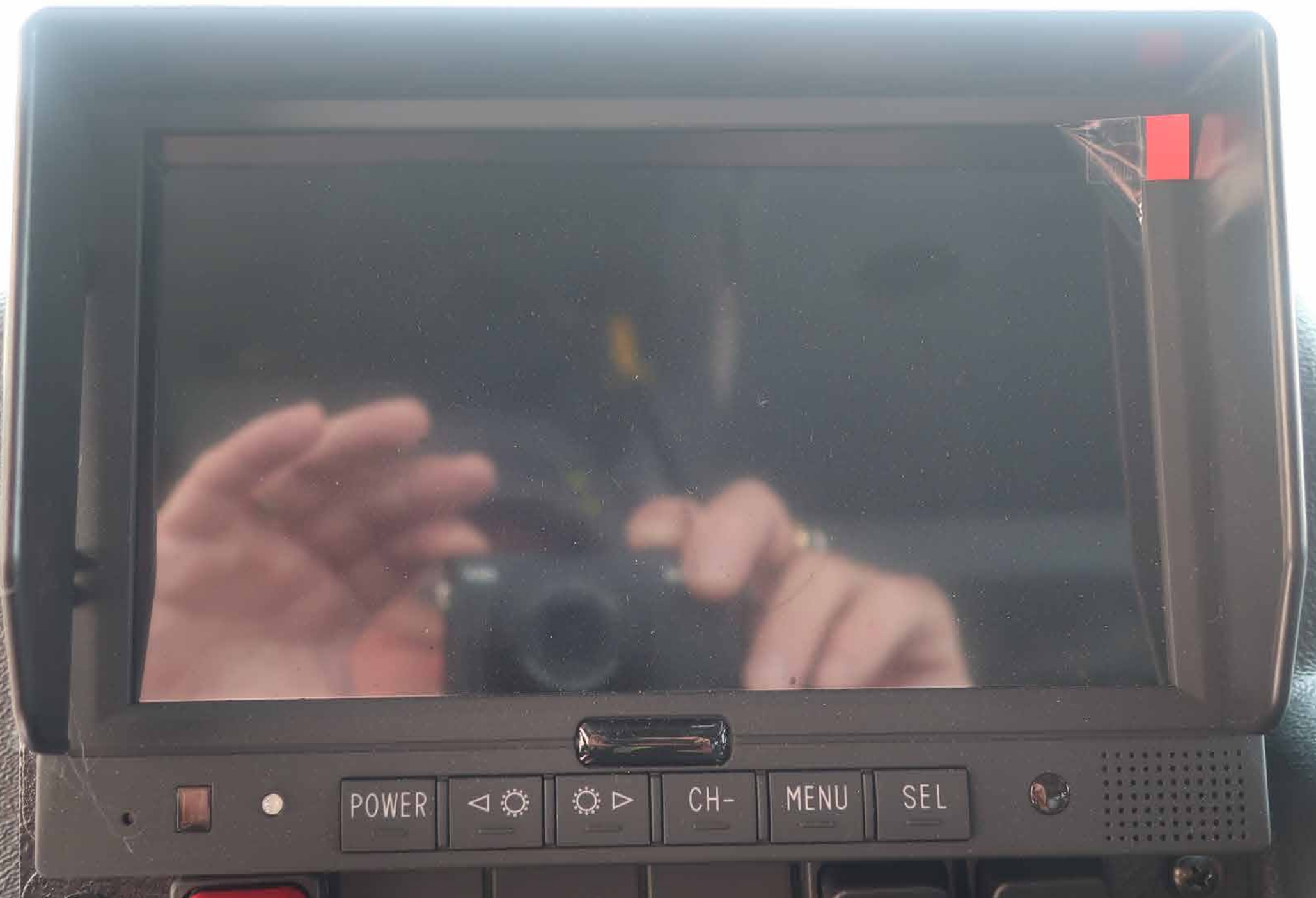
Pierce  
AUTO 88  
SNOWFLAKE  
WINDSHIELD WIPER

PULL TO APPLY  
SYSTEM  
PARK  
HOLD  
RELEASE

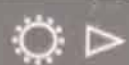
ROAD TO PUMP  
1. STOP TRUCK  
2. SHIFT TRUCK TRANSMISSION TO NEUTRAL  
3. SET PARKING

PROPERTY OF THE COMPANY





POWER



CH-

MENU

SEL



SIREN  
BRAKE



DEFROST  
DISABLE



LOAD  
MANAGER



**BRAKE**

**DEFROST  
DISABLE**

**LOAD  
MANAGER**



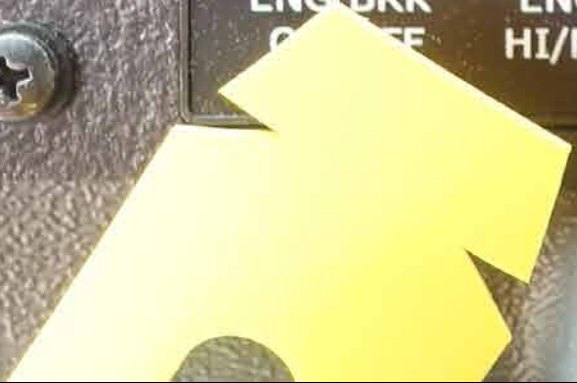
**ENG BRK  
OFF**

**ENG BRK  
HI/MED/LO**

**SIREN  
HORN**

**PERIMETER  
LIGHTS**

**MIRROR  
HEAT**



**AC**  
DISENGAGE  
WHEN VE  
OR SLIP





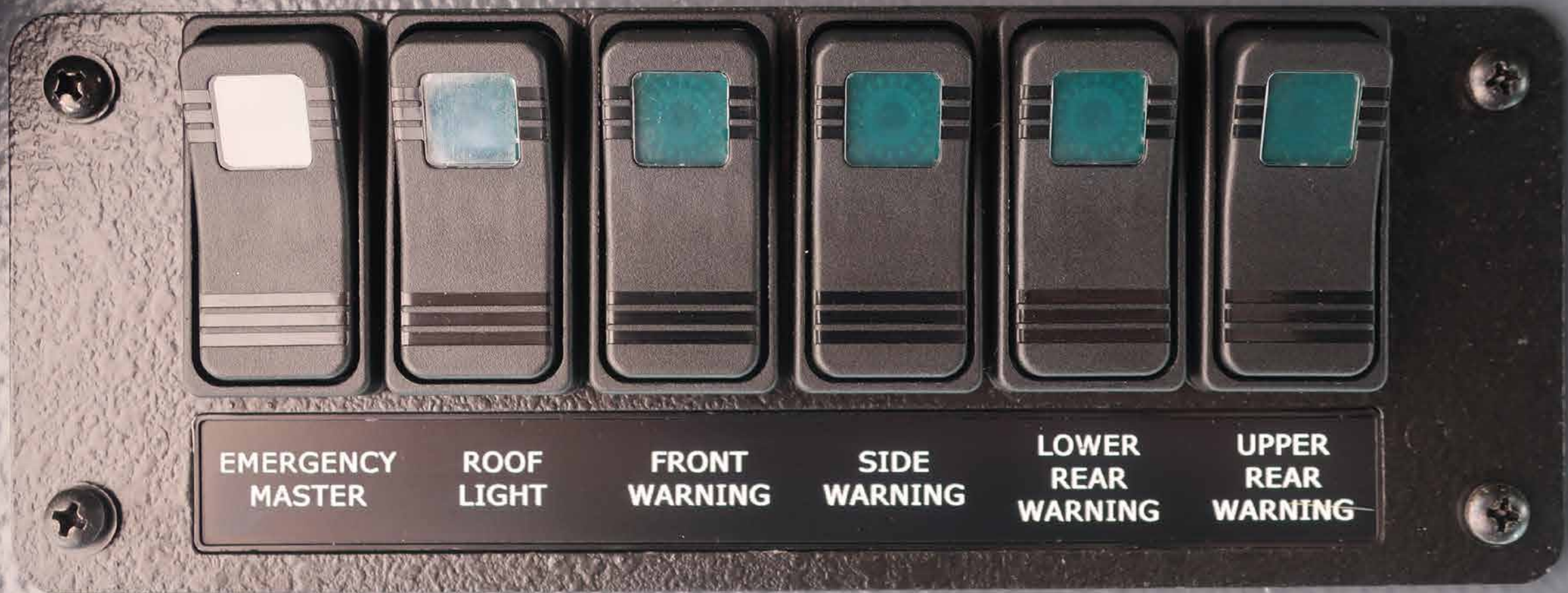


EMERGENCY MASTER ROOF LIGHT FRONT WARNING SIDE WARNING LOWER REAR WARNING UPPER REAR WARNING

HIGH BEAM FLASH OPTICOM FRONT FLOOD DRIVERS SIDE HIGH BEAM REAR SIDE

00 00





**EMERGENCY  
MASTER**

**ROOF  
LIGHT**

**FRONT  
WARNING**

**SIDE  
WARNING**

**LOWER  
REAR  
WARNING**

**UPPER  
REAR  
WARNING**





**HIGH  
BEAM  
FLASH**      **OPTICOM**      **FRONT  
FLOOD**      **DRIVERS  
SCENE**      **PASS  
SCENE**      **REAR  
SCENE**







AIR  
HORN

CYCLE

BRAKE

RADIO

MANUAL  
OFF  
WAIL  
TONE 1  
TONE 2



VOLUME



 **FEDERAL SIGNAL**





WARNING: This vehicle is equipped with a fire extinguisher. Please read the instructions on the fire extinguisher label. Do not use the fire extinguisher unless you are trained to do so. For more information, please contact your fire department.



NOTICE: This vehicle is equipped with a fire extinguisher. Please read the instructions on the fire extinguisher label. Do not use the fire extinguisher unless you are trained to do so. For more information, please contact your fire department.















NOV  
Fire

NO. 1 CROSSLAY  
NO. 2 CROSSLAY  
NO. 3 CROSSLAY

VEHICLE LIGHTS

VEHICLE LIGHTS



PUMP control panel with digital display, RPM gauge, and various buttons.

Vertical panel of control buttons including: NO. 1 PUMP, NO. 2 PUMP, NO. 3 PUMP, REEL FORWARD, AIR PUMP.



TANK FILL & RE-CIRCULATING LINE control knob.

INTAKE RELIEF VALVE control knob with instructions.

NO. 1 CROSSLAY control knob.

NO. 2 CROSSLAY control knob.

NO. 3 CROSSLAY control knob.

REEL DISCHARGE control knob.

DELUGE DISCHARGE control knob.

FRONT DISCHARGE control knob.

PASSENGER REAR DISCHARGE control knob.

WATER control knob.



WATERFLOW METER control knob.



Large circular gauge with green frame.

PRIMER FIRE PUMP control knob.

NO. 1 DRIVER SIDE DISCHARGE control knob.

NO. 3 PASSENGER SIDE DISCHARGE control knob.

NO. 2 DRIVER SIDE DISCHARGE control knob.

NO. 4 PASSENGER SIDE DISCHARGE control knob.

TANK TO PUMP control knob.

NO. 1 DRIVER SIDE DISCHARGE

NO. 3 PASSENGER SIDE DISCHARGE

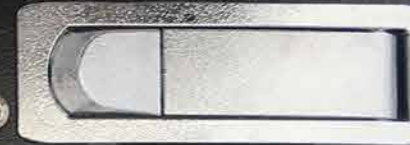
NO. 2 DRIVER SIDE DISCHARGE

NO. 4 PASSENGER SIDE DISCHARGE

NO. 1 DRIVER SIDE DISCHARGE

NO. 3 PASSENGER SIDE DISCHARGE





**PUMPBOSS**

CHECK ENGINE STOP ENGINE

**RPM**

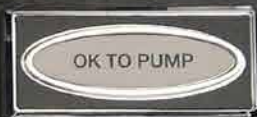
MENU SILENCE

THROTTLE READY

PRESSURE RPM PRESET

**IDLE**

Commins







REEL DISCHARGE



DELUGE DISCHARGE



FRONT DISCHARGE



PASSENGER REAR DISCHARGE



TANK FILL & RE-CIRCULATING LINE



NO. 2 DRIVER SIDE DISCHARGE



NO. 4 PASSENGER SIDE DISCHARGE



LARGE DIA. PASS SIDE DISCHARGE



PRIMING INSTRUCTIONS

TANK TO PUMP



NO. 2 DRIVER SIDE DISCHARGE





NO. 1 CROSSLAY

NO. 2 CROSSLAY

NO. 3 CROSSLAY

**INTAKE RELIEF VALVE**  
 • PULL KNOB OUT TO ADJUST  
 • TURN TO CHANGE SET PRESSURE  
 • PUSH KNOB IN TO LOCK

PULL TO UNLOCK

TWIDENT



NO. 1 CROSSLAY

NO. 2 CROSSLAY

NO. 3 CROSSLAY

REEL DISCHARGE

PASSENGER MAIN INLET

OPEN CLOSED

WATEROUS



NO. 1 DRIVER SIDE DISCHARGE

NO. 3 PASSENGER SIDE DISCHARGE

NO. 2 DRIVER SIDE DISCHARGE

NO. 1 DRIVER SIDE DISCHARGE

NO. 1 DRIVER SIDE DISCHARGE

NO. 2 DRIVER SIDE DISCHARGE



FRONT PANEL ACCESS  
FOR MAINTENANCE  
DO NOT REMOVE  
THIS LABEL

Panel  
R/O



AIR SURGE

AIR OUTLET

AIR INLET



FOAM A

FOAM B



**WATEROUS**

PUMP MODEL: CSU	SERIAL NO: 182227
TRANS MODEL: C320	SERIAL NO: 182227
DATE: MAR 2021	RATIO: 2:03
CAPACITY: 1258 GPM	AT 154 DISCH. PSIG
HYDRO: 656 PSIG	MAX DISCH: 400 PSIG

**EMERGENCY OPERATION MAINTENANCE SCHEDULE\***

CHECK OPERATOR MANUAL  
Pump motor oil pressure  
Control panel  
Warning system  
Pressure gauge (range)  
Normal: 15-20 gpm  
200 psi  
Maximum: 2000 psi (range: 0-2000)

\*EQUIP & SERVICE CO. IS RESPONSIBLE FOR THE OPERATOR'S SAFETY. Read Care: change valves. Check P.A.S. if gas valve. Check flow: change valves. (See manual for details.)  
\*EQUIP & SERVICE CO. IS RESPONSIBLE FOR THE OPERATOR'S SAFETY. Read Care: change valves. Check P.A.S. if gas valve. Check flow: change valves. (See manual for details.)

PUMP DRAIN  
VALVE TO DRAIN

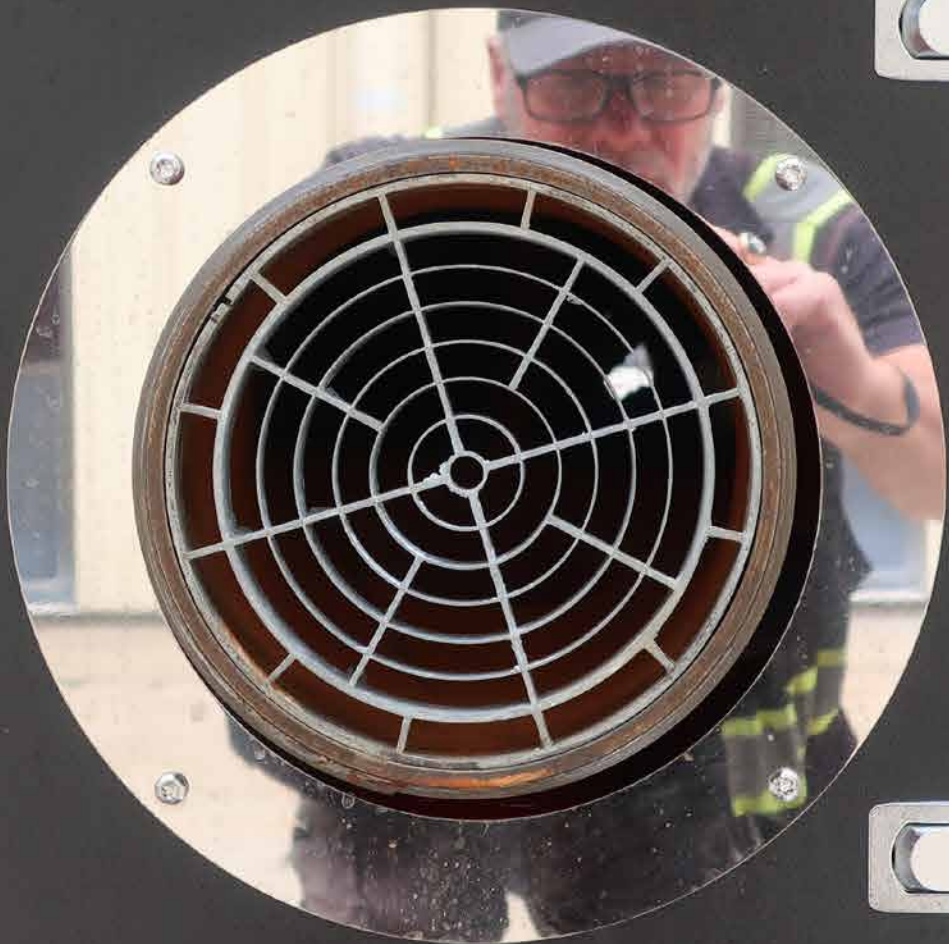
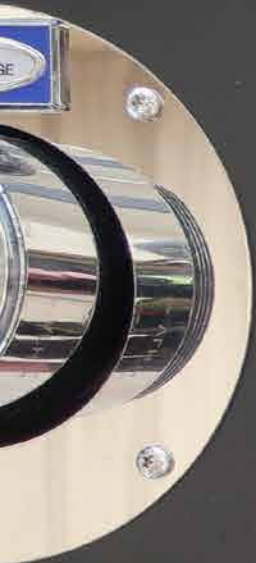
**CAUTION**

PLACE CAP ON & REMOVE  
PUMP FROM ROAD  
PULL CAP FROM

MANUAL  
PUMP TEST







Panel  
1  
1/2  
0



WATEROUS

MINIMUM OPERATION  
MAINTENANCE

PUMP  
DRAIN  
PULL TO DRAIN



NO. 1 DRIVER  
SIDE DISCHARGE

NO. 2 DRIVER  
SIDE DISCHARGE

AIR SUPPLY

AIR OUTLET

AIR INLET





**WATEROUS**

PUMP MODEL: CSU	SERIAL NO: 182227
TRANS MODEL: C22D	SERIAL NO: 182227
DATE: MAR-2024	RATIO: 2.03
CAPACITY: 1250 GPM	AT 150 DISCH PSIG
HYDRO: 600 PSIG	MAX DISCH: 400 PSIG

52006

**MINIMUM OPERATION MAINTENANCE SCHEDULE\***

**CHECK OPERATION WEEKLY:**  
 Relief valve or pressure controller  
 Transfer valve  
 Priming system  
 Packing gland Leakage  
 Normal: 10-120 drops per minute  
 Mechanical Seals Leakage - 0

**EVERY 6 MONTHS OR 100 OPERATING HOURS:**  
 Gear Case - change lubricant. (Use SAE 90 gear lube)  
 Chain Case - change lubricant (Use automatic transmission fluid, ATF)  
 Grease outboard bearing - Use BRB grease (Ball and roller bearing)

\*Consult Pump Manual for complete information.

**Pince**  
222018

**PUMP DRAIN**  
PULL TO DRAIN

DO NOT OPEN OR CLOSE UNDER PRESSURE

**CAUTION**  
 PLACE CAB SHIFT IN NEUTRAL  
 PUSH FOR ROAD  
 PULL FOR PUMP

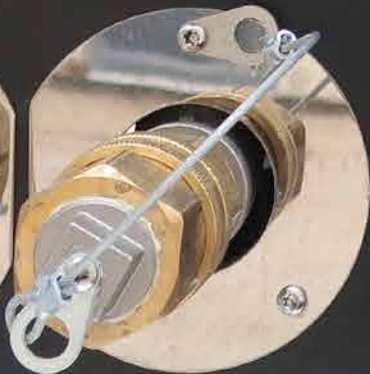
**MANUAL PUMP SHIFT**



<b>PULL TO OPEN</b> NO. 1 CROSSLAY	<b>PULL TO OPEN</b> NO. 1 DRIVER SIDE DISCHARGE	<b>PULL TO OPEN</b> NO. 2 DRIVER SIDE DISCHARGE	<b>PULL TO OPEN</b> PASSENGER MAIN INLET
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6 FT

10 FT









PASSENGER REAR  
DISCHARGE





NO  
PARKING















**DANGER**  
WARNING: CONTACT WITH FACE  
OR EYES CAN CAUSE  
SERIOUS INJURY.  
DO NOT OPERATE WITHOUT  
PROPERLY TRAINED PERSONNEL.

OFF ON  
MAGNET

**ATTENTION**  
DANGER



NO. 3 CROSSLAY

NO. 2 CROSSLAY

NO. 1 CROSSLAY

**DANGER**  
EQUIPMENT RACK  
FRONT OF RACK AREA  
MAY BE LOCKED IN

**CAUTION**  
CHECK FOR OBSTRUCTIONS, DAMAGED  
EQUIPMENT, WIREWORK, AND OTHER  
HAZARDS BEFORE OPERATING. DO NOT  
RELY ON SAFETY DEVICES TO PROTECT YOU.

**DANGER**

CAB LIFT OPERATING INSTRUCTIONS  
TO RAISE CAB: 1. Release cab to lift. 2. Push up on the lift. 3. When the cab is raised, the lift will stop. 4. When the cab is raised, the lift will stop. 5. When the cab is raised, the lift will stop.

TO LOWER CAB: 1. Release cab to lower. 2. Push down on the lift. 3. When the cab is lowered, the lift will stop. 4. When the cab is lowered, the lift will stop. 5. When the cab is lowered, the lift will stop.



NO 4 CROSSLAY

NO 3 CROSSLAY

NO 2 CROSSLAY



**⚠ DANGER**  
MOVING EQUIPMENT RACK

STAY 1/2 BAR OFF BACK AREA  
WHILE RACK IS MOVING  
RAISE POSITION OR BY  
FALLING OR POSITIONING RACK  
WITH MASTER SWITCH OFF  
SUDDEN RACK MOVEMENT MAY  
CAUSE INJURY OR DEATH.

By Labels:  
1. Check equipment rack location  
2. Check equipment rack position  
3. Check equipment rack height  
4. Check equipment rack width  
5. Check equipment rack depth  
6. Check equipment rack length  
7. Check equipment rack weight  
8. Check equipment rack capacity  
9. Check equipment rack stability  
10. Check equipment rack security

**POWERED  
EQUIPMENT RACK**

OFF ON

MASTER

UP DOWN

LIFT

**⚠ CAUTION**

**⚠ DANGER**

**RAISE**

**LOWER**

**CHECK ALL  
CAB STEPS  
ARE FOLDED  
UP BEFORE  
RAISING CAB**

**ACTIVATE**

**CAB LIFT**

2544992-0001







**⚠ DANGER**  
**MOVING EQUIPMENT RACK**

STAY CLEAR OF RACK AREA UNLESS RACK IS LOCKED IN RAISED POSITION OR IN FULLY-LOWERED POSITION AND WITH MASTER SWITCH OFF.

SUDDEN RACK MOVEMENT MAY CAUSE INJURY OR DEATH.

IF EQUIPPED WITH A MANUAL OVERRIDE, MAKE SURE OVERRIDE IS IN NEUTRAL POSITION.

**TO RAISE:**

1. SECURE ALL EQUIPMENT
2. OPEN SAFETY LOCKS (IF APPLICABLE)
3. CLEAR OPERATIONAL AREA
4. TURN ON MASTER SWITCH
5. PUSH LIFT SWITCH UP UNTIL FULLY RAISED
6. TURN OFF MASTER SWITCH
7. ENGAGE SAFETY LOCKS (IF APPLICABLE)

**TO LOWER:**

1. CLOSE COMPARTMENT DOORS
2. OPEN SAFETY LOCKS (IF APPLICABLE)
3. CLEAR OPERATIONAL AREA
4. TURN ON MASTER SWITCH
5. PUSH LIFT SWITCH DOWN UNTIL FULLY LOWERED
6. TURN OFF MASTER SWITCH

**POWERED EQUIPMENT RACK**

1324181

**AIR HORN**

**PASSENGER SIDE SCENE LIGHTS**

**CAUTION**  
CHECK OVERHEAD AREA, BUMPER COMPONENTS, MIRRORS, AND SIGHT RODS FOR CLEARANCE BEFORE TILTING CAB.

**⚠ DANGER**  
CAB STAY ARM MUST BE IN THE SUPPORT POSITION BEFORE MOVING UNDER OR WORKING ON THE CAB IN THE TILT POSITION. NEVER WORK ON THE CAB WITHOUT STAY ARM IN THE SUPPORT POSITION. FAILURE TO FOLLOW PROPER PROCEDURES CAN RESULT IN INJURY OR DEATH.

**CAB LIFT OPERATING INSTRUCTIONS**

**TO RAISE CAB:**

1. Prepare cab to tilt:  
Park on level surface.  
Turn engine OFF.  
Set parking brake.  
Secure loose items in cab.  
No obstructions in tilt path.  
Fold up steps on rear wall.
2. Turn battery switch to ON.
3. Turn ignition switch to ON.
4. Move control switch to RAISE.
5. Press ACTIVATE switch until cab fully lifts.
6. Swing safety Stay-Arm into pocket.
7. Move control switch to LOWER.
8. Press ACTIVATE switch until cab is resting on Stay-Arm.

**TO LOWER CAB:**

1. Prepare cab to lower:  
Check that no persons or obstructions are in tilt path.  
Fold up steps on rear wall.
2. Parking brake must be set.
3. Turn battery switch to ON.
4. Turn ignition switch to ON.
5. Move control switch to RAISE.
6. Press ACTIVATE switch until cab is off safety Stay-Arm.
7. Slow and secure Stay-Arm.
8. Move control switch to LOWER.
9. Press ACTIVATE switch until cab fully lowers and for 5 seconds after cab comes to rest.
10. Make sure cab is latched down before operating vehicle.

Manual Override: See Operation Manual

**RAISE**

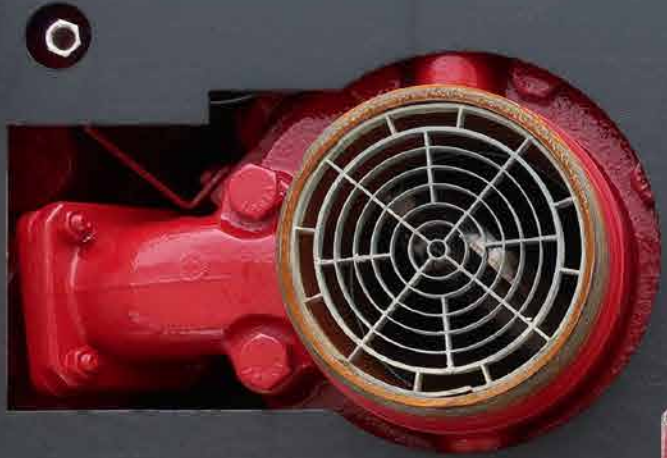
**LOWER**

**ACTIVATE**

**CHECK ALL CAB STEPS ARE FOLDED UP BEFORE RAISING CAB**

2644992-0001 **CAB LIFT**



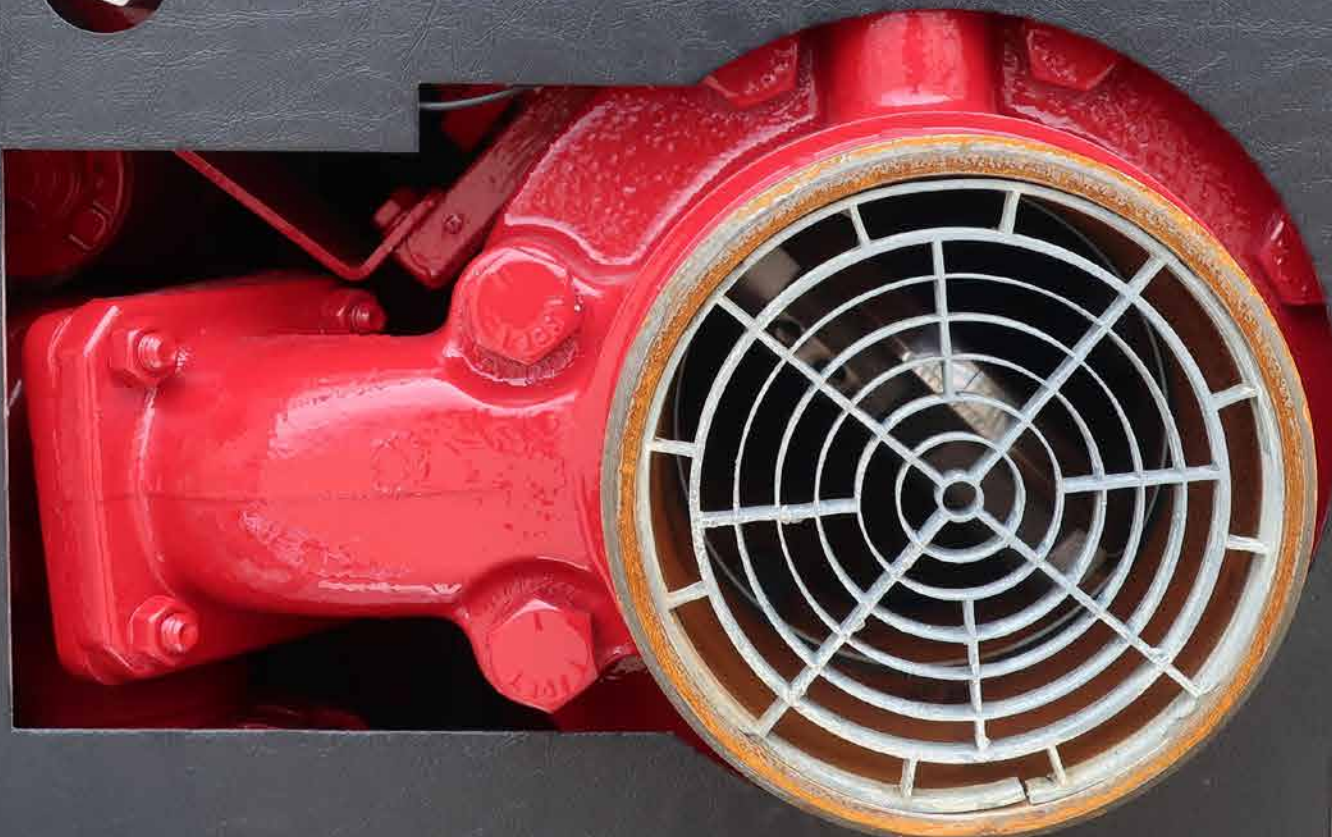








orce







PULL TO OPEN  
PASSENGER MAIN INLET

PULL TO OPEN  
PASSENGER REAR DISCHARGE

PULL TO OPEN  
NO. 4 PASSENGER SIDE DISCHARGE

PULL TO OPEN  
LARGE DIA. PASS. SIDE DISCHARGE

PULL TO OPEN  
NO. 3 PASSENGER SIDE DISCHARGE

PULL TO OPEN  
NO. 2 CROSSLAY

PULL TO OPEN  
NO. 3 CROSSLAY







PRIMER DRAIN

PULL TO OPEN  
PASSENGER SIDE  
AUX. INLET

Clear  
ZERO  
INFO

PASSENGER SIDE  
AUX. INLET

PULL  
PAS





























GAMBER  
JOHNSON

Pierce  
911

SRS

**WARNING**  
Read and understand the instructions before using the equipment.  
Do not use the equipment if you are under the influence of alcohol or drugs.  
Do not use the equipment if you are tired or fatigued.  
Do not use the equipment if you are wearing a seat belt.  
Do not use the equipment if you are wearing a hard hat.  
Do not use the equipment if you are wearing safety glasses.  
Do not use the equipment if you are wearing a respirator.  
Do not use the equipment if you are wearing a fire extinguisher.  
Do not use the equipment if you are wearing a fire hose.  
Do not use the equipment if you are wearing a fire nozzle.  
Do not use the equipment if you are wearing a fire lance.  
Do not use the equipment if you are wearing a fire hook.  
Do not use the equipment if you are wearing a fire tool.  
Do not use the equipment if you are wearing a fire extinguisher.  
Do not use the equipment if you are wearing a fire hose.  
Do not use the equipment if you are wearing a fire nozzle.  
Do not use the equipment if you are wearing a fire lance.  
Do not use the equipment if you are wearing a fire hook.  
Do not use the equipment if you are wearing a fire tool.









GAMBER  
JOHNSON

Learn more about  
the information  
operator

AMERICAN  
SAFETY

AMERICAN  
SAFETY





SIREN BRAKE







AIR HORN



MECHANICAL  
SIREN









BADLAND



Aux

- Aux Select
- Receive



Rx

Tx



Radio

- Monitoring
- Radio Select
- Receive
- Transmit



VOLUME



SQUELCH



AUX



RADIO

**FIRE**  **COM**











Pierce







**HUGHES FIRE EQUIPMENT**