

Photo Album for Pierce Job 38284  
City of Casa Grande Fire Department, AZ  
Custom Velocity Pumper

Wk 9 Production ending July 5, 2024

- The pumper continues assembly at the 41 plant.











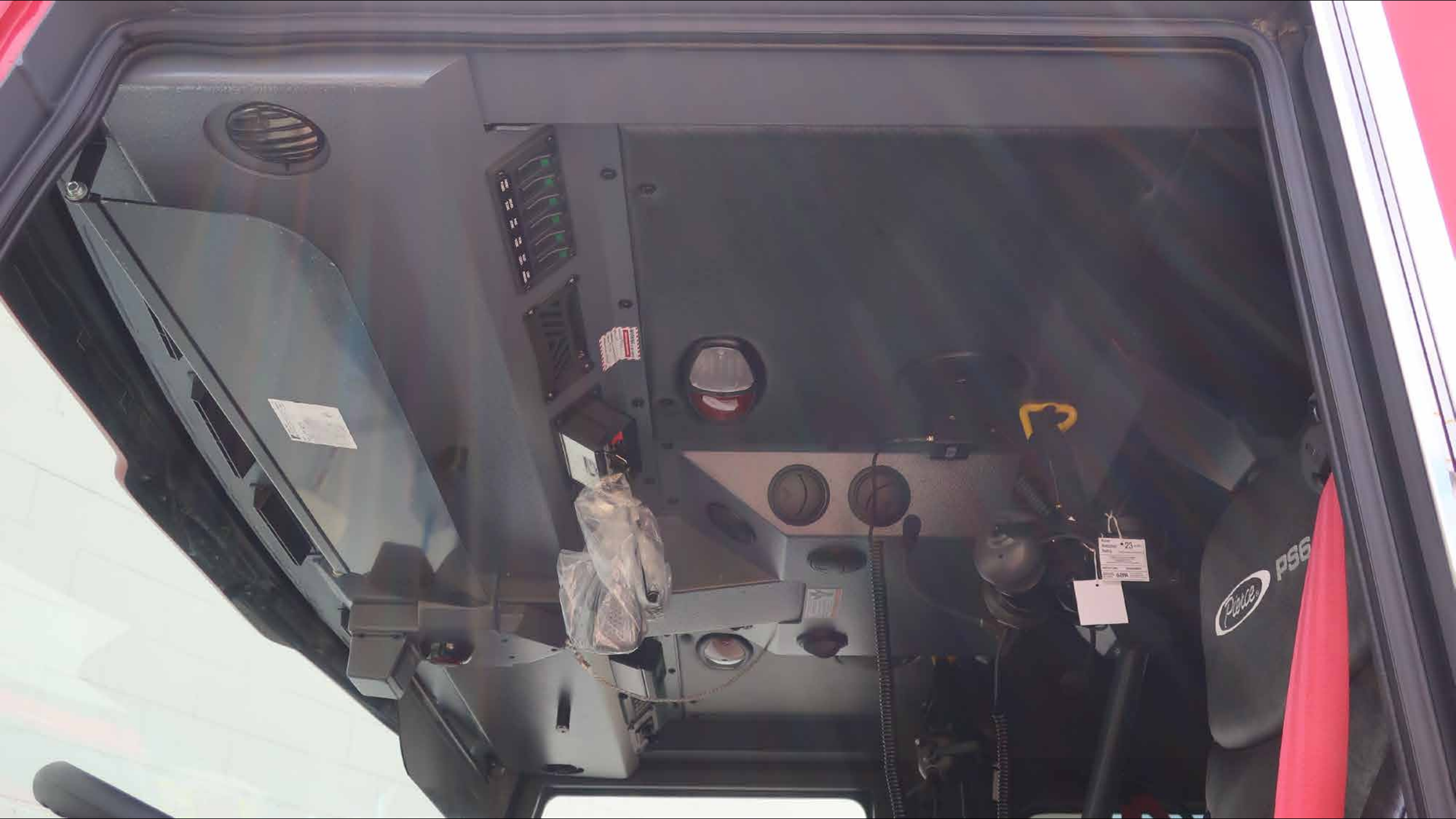












Police PS6







**WHLEN**  
LEFT TRAFFIC LIGHTS  
RIGHT TRAFFIC LIGHTS  
SPRINKLER  
FLASH

HIGH BEAM FLASH

OPTICOM

WHITE WARNING

MOMENTARY OPTICOM

SIREN BRAKE

ROAD TO

PUMP

PUMP TO ROAD  
1. SHIFT TRUCK  
TRANSMISSION TO  
NEUTRAL  
2. PUMP LEVER UP.



Pierce



ULTRA LOW SULFUR DIESEL FUEL ONLY

MADE WITH PRIDE IN AMERICA BY PEOPLE WHO CARE

Control panel on the left side of the dashboard:

- Red emergency brake switch.
- START button.
- IGNITION button.

Control panel at the bottom of the dashboard:

- E-M button.
- OFF button.
- PANEL button.

**SPOTTER WHEN P...**

**Key Points:**

1. If you cannot see the spotter - IMMEDIATELY STOP!
2. If in right or left lane, you may need to use your spotter.
3. Always follow your spotter's instructions.
4. Never drive with your spotter's seat belt.
5. Ensure your spotter is wearing their seat belt.

The Federal Motor Vehicle Safety Council





**Alison Transmission**

10-100 MPH  
20-200 MPH

R MODE  
N  
D

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

ENG BRK ON/OFF ENG BRK LO/MED/HI MIRROR HEAT MEDICAL COOLER OFF-ROAD TRACTION

**WHELEN**  
LEFT TRAFFIC ADVISOR

HIGH FLASH  
OFF  
LOW FLASH

EMERGENCY BRAKE

HIGH BEAM FLASH OPTICOM WHITE WARNING NO AIR ORN SIREN BRAKE

**ROAD TO PUMP**

1. STOP TRUCK
2. SHIFT TRUCK TRANSMISSION TO NEUTRAL
3. SET PARKING BRAKE
4. THROW LEVER DOWN
5. ENGAGE TRUCK TRANSMISSION INTO DRIVE

**PUMP TO ROAD**

1. SHIFT TRUCK TRANSMISSION TO NEUTRAL
2. THROW LEVER UP
3. RELEASE PARKING BRAKE APPLY SERVICE BRAKE
4. ENGAGE TRUCK TRANSMISSION

**CAUTION**  
SPRINKLER STANDS MUST BE ON NET OR SUPPLY PRESSURE







ALISON  
Transmission

10M/MS



201-20E

R

MODE

N



D



EMERGENCY  
MASTER

ENG BRK  
ON/OFF

EL  
LO



**Allison**  
Transmission

→SHIFTING ←  
SO1→SO2


R MODE

N

D



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



ENG BRK ON/OFF    ENG BRK LO/MED/HI    MIRROR HEAT    MEDICAL COOLER    OFF-ROAD TRACTION



PUMP ENGAGED

**CAUTION**  
DISENGAGE RETARDER  
WHEN VEHICLE IS ON WET  
OR SLIPPERY SURFACE



**WHELEN**  
TRAFFIC ADVISOR™

LEFT  
RIGHT  
SPLIT  
FLASH

POWER HIGH OFF LOW FUNCTION DIRECTION INDICATOR

T  
NG

SIDE WARNING LOWER REAR WARNING UPPER REAR WARNING

HIGH BEAM FLASH OPTICOM WHITE WARNING MOMENTARY OPTIC AIR HORN SIREN BRAKE

MIRROR HEAT MEDICAL COOLER OFF-ROAD TRACTION

**ROAD TO PUMP**  
1. STOP TRUCK  
2. SHIFT TRUCK TRANSMISSION TO NEUTRAL.  
3. SET PARKING BRAKE.  
4. THROW LEVER DOWN.  
5. ENGAGE TRUCK TRANSMISSION INTO DRIVE.

**PUMP TO ROAD**  
1. SHIFT TRUCK TRANSMISSION TO NEUTRAL.  
2. THROW LEVER UP.  
3. RELEASE PARKING BRAKE APPLY SERVICE BRAKE.  
4. ENGAGE TRUCK TRANSMISSION.

**CAUTION**  
DISENGAGE RETARDER WHEN VEHICLE IS ON WET OR SLIPPERY SURFACES.







FRONT FLOOD DRIVER SCENE PASS SCENE REAR SCENE ALLEY LIGHTS LOAD MANAGER



REARVIEW MIRROR  
REARVIEW MIRROR  
REARVIEW MIRROR  
REARVIEW MIRROR  
REARVIEW MIRROR







FRONT  
FLOOD

DRIVER  
SCENE

PASS  
SCENE

REAR  
SCENE

ALLEY  
LIGHTS

LOAD  
MANAGER





POWER



SPEAKERS

1 2

MAN

RAD

MAN 1

MAN 2



HF

T1

T2

T3

MIC VOL.



HORN







GOLDFLAME









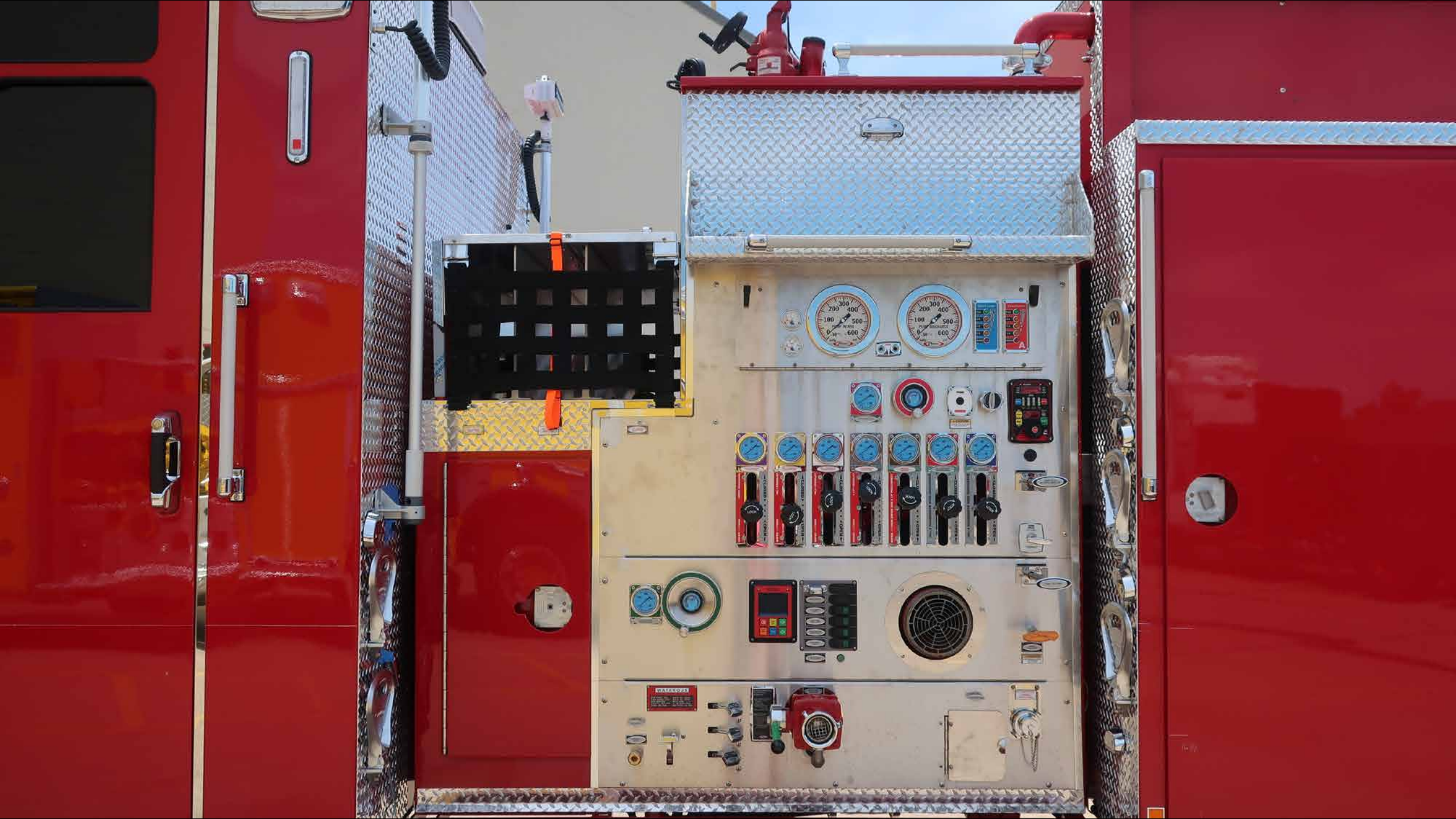


















NO. 1 CROSSLAY  
WATER - FOAM

NO. 2 CROSSLAY  
WATER - FOAM

2 1/2" CROSSLAY  
WATER - FOAM



FRONT DISCHARGE WATER-FOAM  
 NO. 1 CROSSSLAY WATER-FOAM  
 NO. 2 CROSSSLAY WATER-FOAM  
 2 1/2" CROSSSLAY WATER-FOAM  
 DRIVER SIDE 2 1/2" PRE-CONNECT WATER-FOAM  
 NO. 2 PASSENGER SIDE DISCHARGE  
 NO. 4 PASSENGER SIDE DISCHARGE

LOCK  
 LOCK  
 LOCK  
 LOCK  
 LOCK  
 LOCK  
 LOCK

CLOSED  
 OPEN  
 CLOSED  
 OPEN  
 CLOSED  
 OPEN  
 CLOSED  
 OPEN

WATER-FOAM  
 WATER-FOAM  
 WATER-FOAM  
 WATER-FOAM  
 WATER-FOAM  
 WATER-FOAM  
 WATER-FOAM

DELUGE DISCHARGE



PRIME

WATERCUB



**CAUTION**  
 OVERHEAT ENGINE FLAME AND BURN  
 HAZARD CONTINUOUSLY BURN  
 SHUT OFF ELECTRICAL SYSTEM

PUMP

ENGINE RPM

STOP

START

TEST

STOP

TANK FILL & RE-CIRCULATING LINE

PUMP DRAIN

PULL TO DRAIN





**CAUTION**  
OPERATING PRIMING PUMP FOR MORE THAN 1 MINUTE CONTINUOUSLY MAY DAMAGE ELECTRIC MOTOR







**CAUTION**  
OPERATING PRESSURE  
FOR MORE THAN 1 MINUTE  
MAY CAUSE DAMAGE



FRONT DISCHARGE  
WATER-FOAM

200 300 400

LOCK

CLOSED . . . . . OPEN

NO. 1 CROSSLAY  
WATER-FOAM

200 300 400

LOCK

CLOSED . . . . . OPEN

NO. 2 CROSSLAY  
WATER-FOAM

200 300 400

LOCK

CLOSED . . . . . OPEN

2 1/2" CROSSLAY  
WATER-FOAM

200 300 400

LOCK

CLOSED . . . . . OPEN

DRIVER SIDE  
2 1/2" PRE-CONNECT  
WATER-FOAM

200 300 400

LOCK

CLOSED . . . . . OPEN

NO. 2 PASSENGER  
SIDE DISCHARGE

200 300 400

LOCK

CLOSED . . . . . OPEN

NO. 4 PASSENGER  
SIDE DISCHARGE

200 300 400

LOCK

CLOSED . . . . . OPEN

DELUGE DISCHARGE

**CAUTION**  
OPERATING PRIMING PUMP FOR MORE  
THAN 1 MINUTE CONTINUOUSLY MAY  
DAMAGE ELECTRIC MOTOR.

RPM

Motor







**WATEROUS**

PUMP MODEL: CSU	SERIAL NO: 181457
TRANS MODEL: C22	SERIAL NO: 181457
DATE: MAR 2011	RYTO: 2 10
CAPACITY: 1500 GPH	AT 100 DIACH P10
RYTOR: 805 PSIG	MAX DIACH: 400 PSIG





WATER WATER WATER NO NO NO

DO NOT OPEN OR CLOSE UNDER PRESSURE

TANK TO PUMP



MANUAL PUMP SHIFT

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

AUX. FOAM FUNCTIONS









FLUSH VALVE DRAIN

AUX. FOAM FUNCTIONS  
FOAM INLET  
FOAM STRAINER  
FOAM TANK DRAIN(S)





**WATEROUS**

PUMP MODEL: CSU	SERIAL NO: 182457
TRANS MODEL: C22E	SERIAL NO: 182457
DATE: MAR-2024	RATIO: 2.46
CAPACITY: 1500 GPM	AT 150 DISCH PSIG
HYDRO: 600 PSIG	MAX DISCH: 400 PSIG

AIR SUPPLY

AIR INLET-  
OUTLET



MINIMUM OPERATION  
MAINTENANCE  
SCHEDULE\*

CHECK OPERATION WEEKLY:  
Relief valve or pressure  
controller  
Transfer valve  
Priming system  
Packing gland Leakage  
Normal: 10-20 drops  
per minute  
Mechanical Seals Leakage

EVERY 6 MONTHS OR 100  
OPERATING HOURS:  
Gear Case - change lubricant  
(Use SAE 90 gear lube)  
Chain Case - change lubricant  
(Use SAE 90 gear oil)  
Fluid ATF  
Grease outboard bearing  
(Use BRB grease (Wet  
and roller bearing)

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Manufacturing Division

The Pines logo, featuring the word "Pines" in a stylized font inside an oval.



# WATEROUS

PUMP MODEL: CSU      SERIAL NO: 182457  
TRANS MODEL: C22E    SERIAL NO: 182457  
DATE: MAR-2024      RATIO: 2.46  
CAPACITY: 1500 GPM    AT 150 DISCH PSIG  
HYDRO: 600 PSIG      MAX DISCH: 400 PSIG

52000

AIR SUPPLY

AIR INLET-  
OUTLET



PULL TO OPEN  
NO. 1 CROSSLAY

PULL TO OPEN

PULL TO OPEN  
MANIFOLD DRAIN

PULL TO OPEN  
DRIVER SIDE  
AUX. INLET

MINIMUM  
MAINTEN  
SCHEDU

CHECK OPE  
Relief valve  
controller  
Transfer valv  
Priming syst  
Packing glan  
Normal: 10-  
per  
Mechanical S

EVERY 6 MONT  
OPERATING HO

Gear Case - ch  
(Use SAE 90  
Chain Case - c  
(Use automa  
fluid, ATF)  
Grease outboar  
Use BRB grea  
and roller bea

Consult Pump Manual  
for complete information

















ORDER SIZE  
8 1/2" WIDE  
WEB - PUMP



DRIVER SIDE  
2 1/2" PRE-CONNECT  
WATER - FOAM













MED-KOOL

Pierco







2 1/2" CROSSLAY  
WATER - FOAM

NO. 2 CROSSLAY  
WATER - FOAM

NO. 1 CROSSLAY  
WATER - FOAM







NO. 4 PASSENGER  
SIDE DISCHARGE





NO. 2 PASSENGER  
SIDE DISCHARGE



LARGE DIA. PASS.  
SIDE DISCHARGE





PULL TO OPEN  
LARGE DIA. PASS.  
SIDE DISCHARGE

PULL TO OPEN  
NO. 4 PASSENGER  
SIDE DISCHARGE

PULL TO OPEN  
NO. 2 PASSENGER  
SIDE DISCHARGE

PULL TO OPEN  
2 1/2" CROSSLAY

PULL TO OPEN  
NO. 2 CROSSLAY





























38289

Pierce P96

SRS

SAFETY INFORMATION

















LEONARD





**FRONT  
FLOOD**

**DRIVER  
SCENE**

**PASS  
SCENE**

**REAR  
SCENE**





Bluetooth

JENSEN  
HEAVY DUTY

NOAA

☀️  MODE  
PAIR

 BAND  
SCROLL

1 2 3 4 5 6

ENTER  
INFO







PS  
AS



JHD12













**HUGHES FIRE EQUIPMENT**