

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

Wk 10 Production ending July 12, 2024

- The pumper continues assembly at the 41 plant.















SAFETY INFORMATION

	Always use proper tie-off technique.
	Never stand on a ladder or platform.
	Never work on a roof or other overhead structure.
	Never work on the edge of a roof or other overhead structure.
	Never work on the ground or other surface.
	Never work on a fire or other hot surface.
	Never work on machinery or equipment.
	Never work on electrical equipment.
	Never work on moving parts.
	Never work on sharp edges.
	Never work under falling objects.
	Never work with falling equipment.
	Never work with falling materials.
	Never work with falling debris.
	Never work with falling tools.
	Never work with falling nails.
	Never work with falling screws.
	Never work with falling bolts.
	Never work with falling nuts.
	Never work with falling washers.
	Never work with falling rivets.
	Never work with falling staples.
	Never work with falling nails (nails).
	Never work with falling screws (screws).
	Never work with falling bolts (bolts).
	Never work with falling nuts (nuts).
	Never work with falling washers (washers).
	Never work with falling rivets (rivets).
	Never work with falling staples (staples).

WARNING

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- Never work with falling bolts.
- Never work with falling nuts.
- Never work with falling washers.
- Never work with falling rivets.
- Never work with falling staples.

ALYS CHARGE
COGNISMA





Pierce

Large digital display screen on the left side of the dashboard.

PUMP IN DRIVE
MODE
R
N
D

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

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

WHOLEN
OVERSOUNDING

HIGH BEAM FLASH OPTICON WHITE WARNING HORN AIR SIREN BRAKE

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

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

CAUTION
DO NOT OPERATE WITH
PARKING BRAKE SET

Pierce



ULTRA LOW SULFUR DIESEL FUEL ONLY

MADE WITH PRIDE IN AMERICA BY PEOPLE WHO CARE



Key...
1. If p...
-IM...
2. If in t...
you may...
spotter...
3. Always follo...
your spotter...
4. Never drive with...
5. Ensure your spotter...
their role

Always wear your seat belt...
Please don't drink and drive...
Always use proper tie-down technique...



PUMP IN DRIVE

Allison Transmission



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
OVERHAZE RETARDER WHEN LENSURE IS ON SET ON SLIPPERY SURFACES





PUMP
IN
DRIVE

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Allison
Transmission

M
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R	MODE
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D	↓

EM
P

EM
P

ILSON
mission

201-202

MODE



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

F
ENC

WHELEN
TRAFFIC ADVISOR™

HIGH
 OFF
 LOW

LEFT
 RIGHT
 SPLIT
 FLASH

POWER FUNCTION DIRECTION INDICATOR

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

FRONT WARNING SIDE WARNING LOWER REAR WARNING UPPER REAR WARNING

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.

PUMP ENGAGED OK TO PUMP

CAUTION
 DISENGAGE RETARDER
 WHEN VEHICLE IS ON WET

A control panel mounted on a textured grey surface, featuring six toggle switches with green indicators and a black fan. The switches are labeled as follows:

- FRONT FLOOD
- DRIVER SCENE
- PASS SCENE
- REAR SCENE
- ALLEY LIGHTS
- LONG MESSAGE

The panel is secured with four screws. To the right of the panel is a black fan with a slanted grille. In the background, a red and white sticker is visible on the ceiling, and a circular light fixture is partially seen.



FRONT
FLOOD

DRIVER
SCENE

PASS
SCENE

REAR
SCENE

ALLEY
LIGHTS

LOAD
MANAGER

POWER



MAN 2 HF T1

MAN 1

T2

RAD



T3

MIC VOL.



HORN



SPEAKERS



RAD

WHITEN®

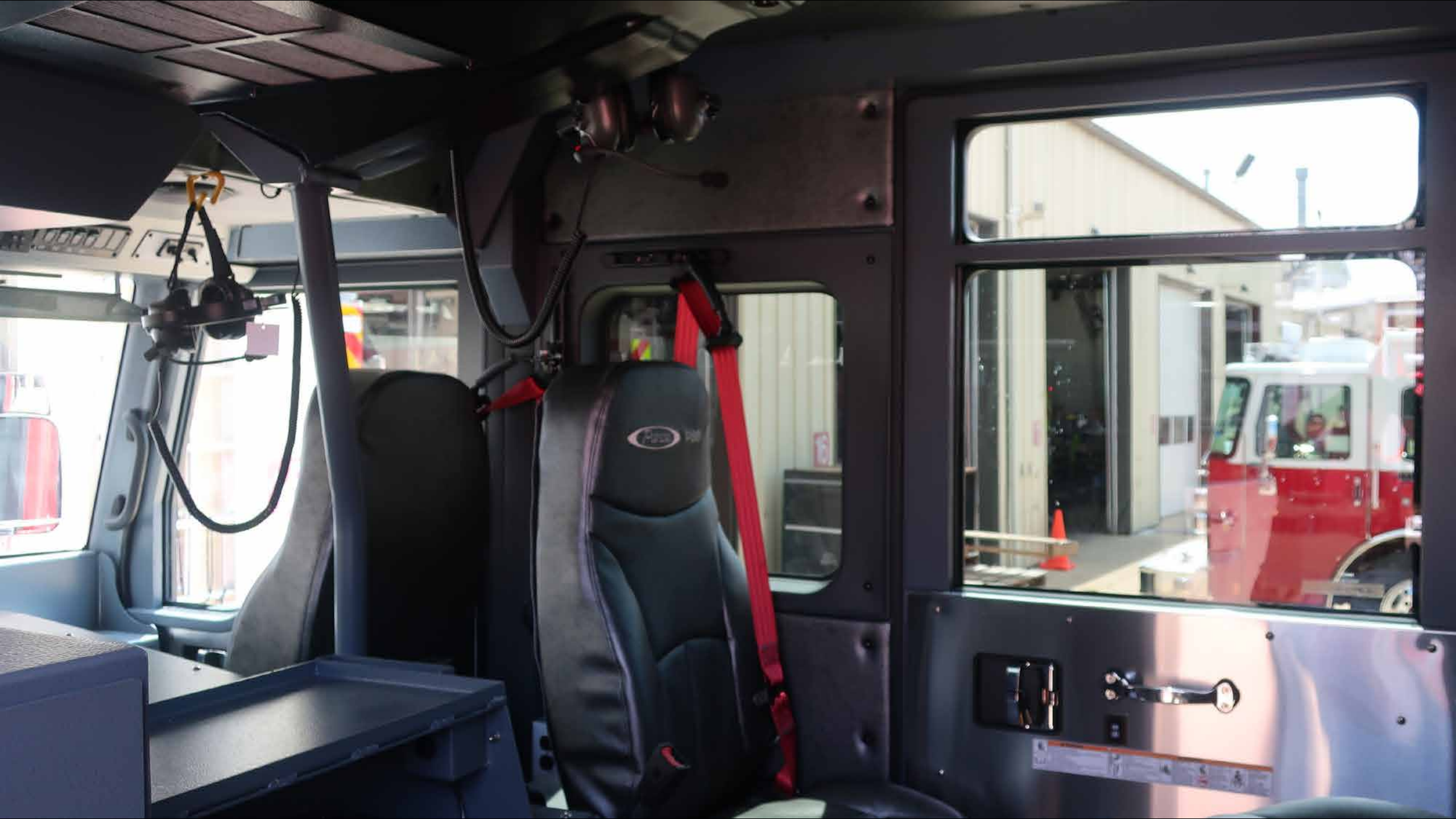




















NO. 1 CROSSLAY
WATER - FOAM

NO. 2 CROSSLAY
WATER - FOAM

2 1/2" CROSSLAY
WATER - FOAM



The instrument panel is mounted on a stainless steel surface and includes the following components:

- Pump Intake Gauge:** A large circular gauge with a white face and red markings. The scale ranges from 0 to 600 psi, with a sub-scale from -30 to 0 inHg. The needle is positioned at approximately 150 psi. The brand name "Pierce" is visible at the bottom.
- Pump Discharge Gauge:** A large circular gauge with a white face and red markings. The scale ranges from 0 to 600 psi, with a sub-scale from -30 to 0 inHg. The needle is positioned at approximately 150 psi. The brand name "Pierce" is visible at the bottom.
- Fuel Gauge:** A small circular gauge on the left side, labeled "FUEL".
- Water Meter Gauge:** A small circular gauge on the left side, labeled "METER".
- Water Level Indicator:** A blue rectangular panel on the right side with five indicator lights labeled "Full", "3/4", "1/2", "1/4", and "Refill".
- Foam Level Indicator:** A red rectangular panel on the right side with five indicator lights labeled "Full", "3/4", "1/2", "1/4", and "Refill". A large white letter "A" is located at the bottom right of this panel.
- Light Assembly:** A small rectangular assembly with two circular lights is positioned between the two large gauges.



CAUTION
OPERATIONAL PRESSURE PUMP FOR NOISE
THAT EXCEEDS CURRENT REGULATORY
LIMITS. WEAR EARPLUGS AND HEARERS.
CHANGING ELECTRIC MOTOR.





CAUTION
OPERATING PRIMING PUMP FOR MORE THAN 1 MINUTE CONTINUOUSLY MAY DAMAGE ELECTRIC MOTOR.
1096125

PUMP BOSS
CHECK ENGINE STOP ENGINE
RPM
MENU SILENCE
PRESSURE THROTTLE READY
RPM PRESET
IDLE





NO. 2 PASSENGER SIDE DISCHARGE

NO. 4 PASSENGER SIDE DISCHARGE



NO. 2 PASSENGER SIDE DISCHARGE

CLOSED OPEN

NO. 4 PASSENGER SIDE DISCHARGE

CLOSED OPEN



PUMP DRAIN
PULL TO DRAIN



DELUGE DISCHARGE

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



FRONT DISCHARGE
WATER-FOAM

WATER-FOAM

▲ CLOSED OPEN ▼



NO. 1 CROSSLAY
WATER-FOAM

NO.1 CROSSLAY

WATER-FOAM

▲ CLOSED OPEN ▼



NO. 2 CROSSLAY
WATER-FOAM

NO.2 CROSSLAY

WATER-FOAM

▲ CLOSED OPEN ▼



2 1/2" CROSSLAY
WATER-FOAM

2 1/2" CROSSLAY

WATER-FOAM

▲ CLOSED OPEN ▼



DRIVER REAR 2 1/2"
PRECONNECT

DRIVER REAR 2 1/2"
PRECONNECT

WATER-FOAM

▲ CLOSED OPEN ▼



NO. 2 PASSENGER
SIDE DISCHARGE

NO. 2 PASSENGER SIDE DISCHARGE

▲ CLOSED OPEN ▼



NO. 4 PASSENGER
SIDE DISCHARGE

NO. 4 PASSENGER SIDE DISCHARGE

▲ CLOSED OPEN ▼



LOCK LOCK LOCK LOCK LOCK LOCK LOCK



CAUTION
PLEASE USE GLOVES TO REMOVE
FRONT END HOSE
WHILE THE PUMP

WATEROUS
PUMP MODEL: C87 SERIAL NO: 124457
TANK MODEL: 2122 SERIAL NO: 124457
DATE: MAR 2014 RATIO: 3:4
CAPACITY: 1400 GPM AT 150 PSI
HYDRO: 802 PSI MAX DISCH: 900 PSI



LOCK

LOCK

LOCK

TANK TO PUMP



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





LARGE DIA. PASS.
SIDE DISCHARGE



FLUSH VALVE DRAIN

AUX. FOAM FUNCTIONS

FOAM INLET
FOAM STRAINER
FOAM TANK DRAIN



WATEROUS

PUMP MODEL: DSU	SERIAL NO: 182467
TRANS MODEL: C22E	SERIAL NO: 182467
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



PULL TO OPEN
NO. 1 CROSSLAY

PULL TO OPEN
DRIVER REAR 2 /
W/RECONNECT

PULL TO OPEN
MANIFOLD DRAIN

PULL TO OPEN
DRIVER SIDE
AUX INLET

MINIMUM OPERATION
MAINTENANCE
SCHEDULE*

CHECK OPERATION WEEKLY

- Relief valve or pressure control
- Transfer valve
- Pulling system
- Padding gland Leakage
- Normal 1/4-3/8 drops per minute
- Mechanical Seal Leakage

EVERY 6 MONTHS OR 100 OPERATING HOURS

- Gear Case - change lubricant (Use SAE 90 gear lube)
- Chain Case - change lubri. (Use automatic steam engine lubri. ATF)
- Grease outboard bearing (Use SAE grease (Red and white bearing)

Piase



DK TO PUMP

FLASH SCENE LIGHTS

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

62908

AIR SUPPLY

AIR INLET-
OUTLET



PULL TO OPEN
NO. 1 CROSSLAY

PULL TO OPEN
DRIVER REAR 2 1/2"
PRECONNECT

PULL TO OPEN
MANIFOLD DRAIN

PULL TO OPEN
DRIVER SIDE
AUX. INLET









Pierce

Out
Go
You





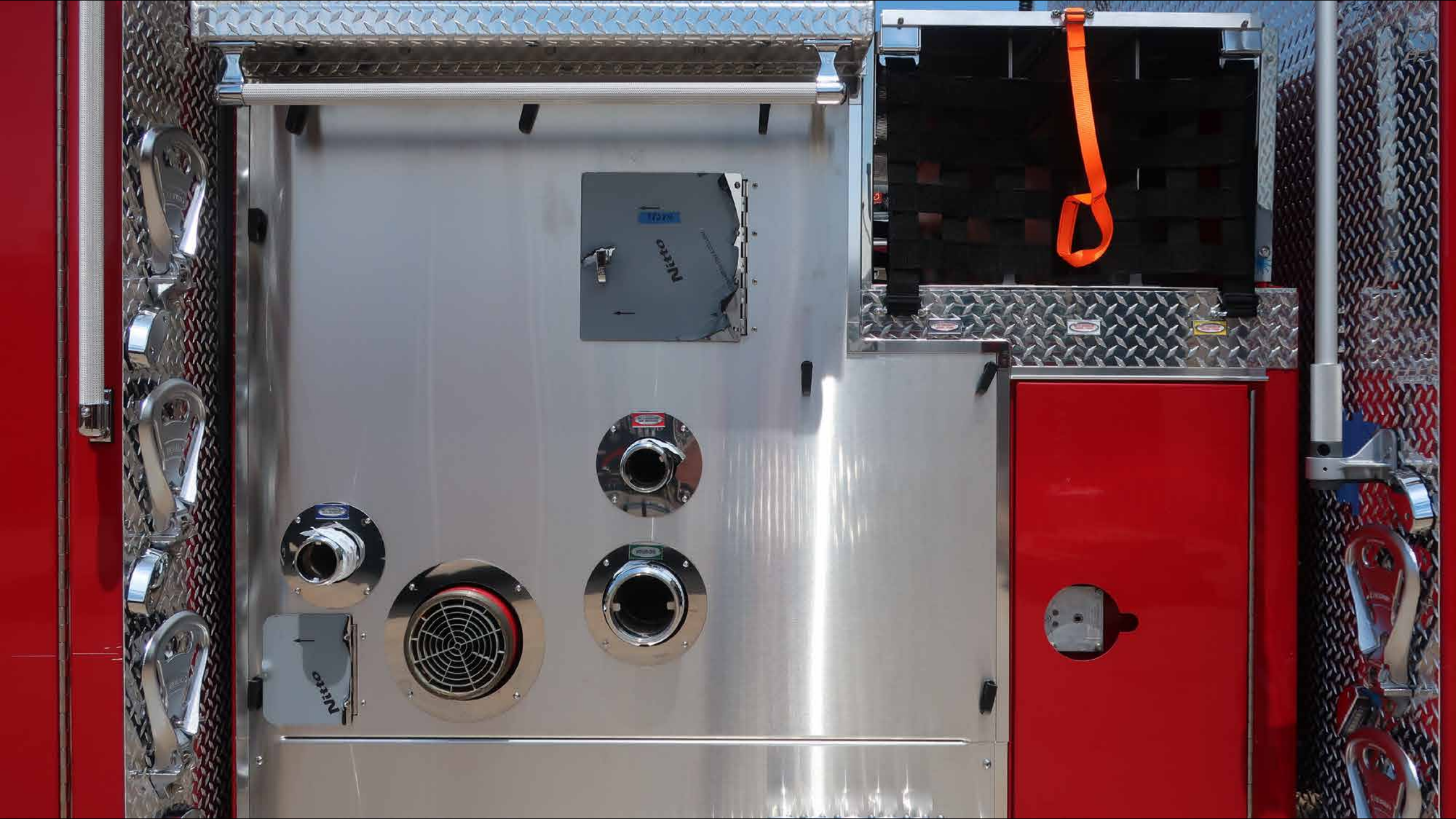




2 1/2" CROSSLAY
WATER - FOAM

NO. 2 CROSSLAY
WATER - FOAM

NO. 1 CROSSLAY
WATER - FOAM





No. 1 PASSENGER
SIDE DISCHARGE

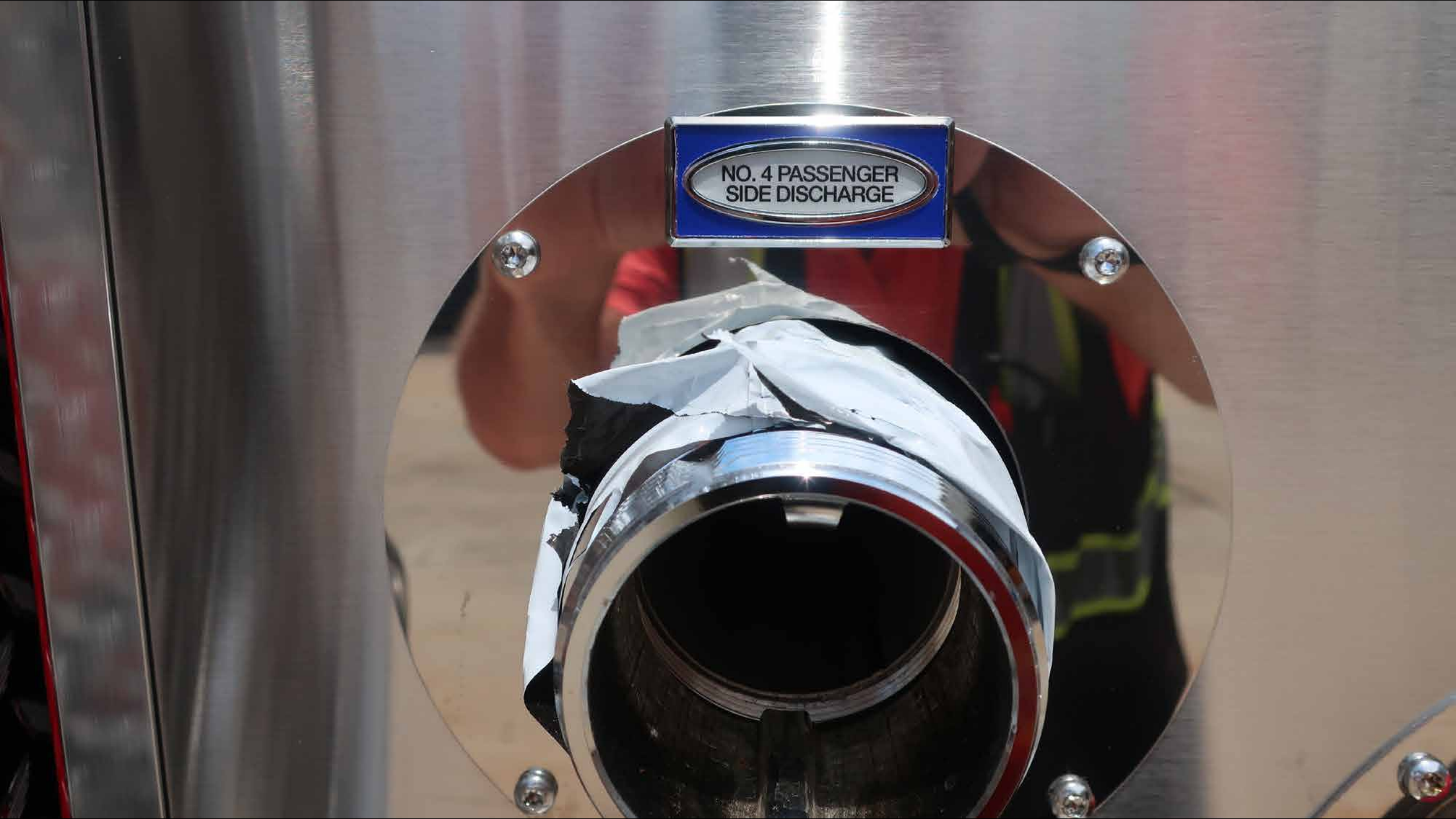
No. 2 PASSENGER
SIDE DISCHARGE

LARGE DIA. PASS.
SIDE DISCHARGE



Netto

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



Pierce P96

Pierce P96







Pierce P96

SRS

SAFETY INFORMATION
PLEASE READ THESE INSTRUCTIONS CAREFULLY. THEY CONTAIN IMPORTANT INFORMATION THAT MAY BE NECESSARY TO PROTECT YOURSELF AND OTHERS FROM INJURY OR DEATH. THESE INSTRUCTIONS ARE NOT A SUBSTITUTE FOR THE OPERATOR'S MANUAL. ALWAYS FOLLOW THE OPERATOR'S MANUAL INSTRUCTIONS.
1. ALWAYS WEAR YOUR SEATBELT. SEATBELTS ARE THE MOST EFFECTIVE WAY TO REDUCE THE RISK OF FATALITY IN A CRASH. ALWAYS WEAR YOUR SEATBELT PROPERLY. ALWAYS USE YOUR SEATBELT. ALWAYS WEAR YOUR SEATBELT. ALWAYS WEAR YOUR SEATBELT.
2. NEVER DRINK AND DRIVE. DRINKING ALCOHOL BEHIND THE WHEEL IS A MAJOR CAUSE OF TRAFFIC ACCIDENTS. NEVER DRINK AND DRIVE. NEVER DRINK AND DRIVE. NEVER DRINK AND DRIVE. NEVER DRINK AND DRIVE.
3. NEVER DRIVE WHILE TALKING ON A HANDHELD CELLPHONE. USING A HANDHELD CELLPHONE WHILE DRIVING IS A MAJOR CAUSE OF TRAFFIC ACCIDENTS. NEVER DRIVE WHILE TALKING ON A HANDHELD CELLPHONE. NEVER DRIVE WHILE TALKING ON A HANDHELD CELLPHONE. NEVER DRIVE WHILE TALKING ON A HANDHELD CELLPHONE.
4. NEVER DRIVE WHILE USING A PORTABLE ELECTRONIC DEVICE. USING A PORTABLE ELECTRONIC DEVICE WHILE DRIVING IS A MAJOR CAUSE OF TRAFFIC ACCIDENTS. NEVER DRIVE WHILE USING A PORTABLE ELECTRONIC DEVICE. NEVER DRIVE WHILE USING A PORTABLE ELECTRONIC DEVICE. NEVER DRIVE WHILE USING A PORTABLE ELECTRONIC DEVICE.
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**FRONT
FLOOD**

**DRIVER
SCENE**

**PASS
SCENE**

**REAR
SCENE**



Bluetooth

JENSEN
HEAVY DUTY

NOAA



MODE
PAIR

ENTER
INFO



BAND
SCROLL

1

2

3

4

5

6

PS
AS



JHD12







HUGHES FIRE EQUIPMENT