



<b>TRANSMITTAL MEMORANDUM</b>
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TO: The Honorable Mayor and City Council

FROM: Karl R. Amylon, City Manager

DATE: January 18, 2021

RE: **Week 13 Photo Album Production Report - Pierce Arrow XT Ascendant 100' Mount Platform Vehicle**

At its meeting of November 7, 2019, the City Council adopted a motion exempting the procurement of a Pierce Arrow XT Ascendant 100' Mount Platform vehicle from the competitive bidding/written quotation requirements of the Ketchikan Municipal Code and authorizing the purchase of the vehicle from Hughes Fire Equipment at a cost of \$1,340,222 under Houston Galveston Area Council (HGAC) Contract No. FS12-17. Attached for City Council review is the Week 13 Photo Album Production Report for the period ending January 15, 2021.

# Photo Album for Pierce Job 34887

## Ketchikan Fire Dept, AK

### Custom Arrow XT 100ft Aerial

Wk 13 Production ending January 15, 2021

- The aerial has been mounted and the truck continues assembly at the IPP plant.





























# WARNING

## CALIFORNIA Proposition 65

Operating, servicing, and maintaining this vehicle or equipment can expose you to chemicals including engine exhaust, carbon monoxide, phthalates, and lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm.

To minimize exposure, avoid breathing exhaust, do not idle the engine except as necessary, service your vehicle or equipment in a well ventilated area and wear gloves or wash your hands frequently when servicing.

For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

Do not paint over this label. Replace if damaged or lost.

3252019

# WARNING



Diesel engine exhaust and some of its constituents are known to the State of California to cause cancer, birth defects and other reproductive harm.

M0218 Do not paint over this label. Replace if damaged or lost.

2714750

## CAUTION



Equipment Damage  
Read service manual  
Before welding disconnect:  
Battery  
Electronic devices  
Failure to comply may damage vehicle.

M0222 Do not paint over this label. Replace if damaged or lost.

2707672



Manufactured by: Pierce Manufacturing, Inc.

Custom Designed and Manufactured Exclusively For -

CITY OF KETCHIKAN



Oshkosh Corporation  
VEHICLE EMISSION  
CONTROL INFORMATION  
Vehicle Family: L0SH2VDDV000  
Sub-Category: Vocational Vehicles  
above 33,000 lbs GVWR  
Emissions component: LRRR  
THIS VEHICLE COMPLIES WITH U.S.  
EPA REGULATIONS FOR 2023 MODEL  
YEAR HEAVY-DUTY VEHICLES

Mo./Yr of Mfg	Jan - 2021	Job No.	34887	WO No.	26177846
GVWR	34,473 KG ( 76,000 LB)	Tire-Limited Max Speed	68 mph	Chassis	Arrow XT
GAWR		TIRES		RIMS	
Front		10,886 KG ( 24,000 LB)		445/65R22.5 (L)	
Rear		23,587 KG ( 52,000 LB)		12R22.5 (H)	
				22.50x13.00	
				22.50x8.25	
				827 kPa ( 120 PSI)	
				792 kPa ( 115 PSI)	
				SINGLE	
				DUAL	

THIS VEHICLE CONFORMS TO ALL APPLICABLE U.S. FEDERAL MOTOR VEHICLE SAFETY STANDARDS IN EFFECT ON THE DATE OF MANUFACTURE SHOWN ABOVE.

VIN	4P1BCAGF5MA022583	TYPE	Emergency Vehicle
CUSTOM HIGH GRADE PAINT FINISH			
Red	Pierce No. 268	Sikkens Autocoat BTLV Basecoat	FLNA3225
White	Pierce No. 252	Sikkens Autocoat BTLV Basecoat	FLNA4008

## FLUID CAPACITIES

Verify All Fluid Capacities and Perform All Maintenance Items outlined in the Chassis Operation Manual At The Recommended Time Intervals

Component	Fluid Capacity				Fluid Type
Engine	X15	41.6	Liter	44.0	Quart
Trans	4500 EV5	36.9	Liter	39.0	Quart
Coolant		47.3	Liter	50.0	Quart
Power Steering		3.8	Liter	4.0	Quart
Front Axle					
Rear Axle (#2 or Single)		18.0	Liter	19.0	Quart
Rear Axle (#3)		15.6	Liter	16.5	Quart
Cab Tilt		3.8	Liter	4.0	Quart
Gen	None - KW	0.0	Liter	0.0	Quart
(Refer to Denpro Manual for Denpro-Flow Tolerances)					
Transfer Case		0.0	Liter	0.0	Quart
Equipment Rack - Per Reservoir		0.0	Liter	0.0	Quart
Breathing Air Compressor		0.0	Liter	0.0	Quart
CAFS Compressor		0.0	Liter	0.0	Quart
Water Pump Transmission		8.5	Liter	9.0	Quart
Water Pump Primer		0.0	Liter	0.0	Quart
A/C Compressor		0.0	Liter	0.0	Quart













Fleet



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

E-H  
OFF

OFF

PANEL  
PANEL

H  
OLE

ON/OFF





Pierce



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

ENG BRK ON/OFF

ENG BRK LO/MED/HI

OFF-ROAD TRACTION

DIFF LOCK

MIRROR HEAT

FRONT WHEEL LOCK

CAUTION  
LOADING/UNLOADING  
WHEN VEHICLE IS ON WET OR SLIPPERY SURFACES

WARNING  
ALWAYS Engage Parking Brake AND Turn engine when using Front Wheel Lock

FLAT

CONVEX



Pierce

Read the following instructions carefully before operating the vehicle. Failure to follow these instructions may result in injury or death.





PUMP  
ENGAGED



OK TO  
PUMP

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.

ENG BRK  
ON/OFF

ENG BRK  
LO/MED/HI

OFF-ROAD  
TRACTION

DIFF  
LOCK

MIRROR  
HEAT

FRONT  
WHEEL  
LOCK



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



**⚠ WARNING**  
ALWAYS engage Parking Brake AND  
run engine when using Front Wheel Lock.



**WARNING**  
Engage Parking Brake AND  
When using Front Wheel Lock.



FLAT



CONVEX













**EMERGENCY  
MASTER**

**ROOF  
LIGHT**

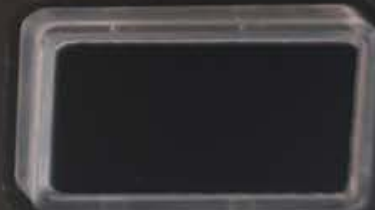
**FRONT  
WARNING**

**SIDE  
WARNING**

**LOWER  
REAR  
WARNING**

**UPPER  
REAR  
WARNING**

**HIGH  
BEAM  
FLASH**





**DRIVER  
CAMERA**

**PASS  
CAMERA**

**REAR  
CAMERA**

**STABILIZER  
CAMERA**

**AERIAL  
MASTER**

**AERIAL  
PTO**

**LOAD  
MANAGER**

**FUEL  
PRIMER**



**FRONT  
SCENE**

**DS  
SCENE**

**PS  
SCENE**

**REAR  
SCENE**

**FRONT  
BASKET**

**SIREN  
BRAKE**

**MECH  
SIREN**

**AIR  
HORN**

















SHORELINE INLET

120VAC, 20AMP  
1Ø, 60HZ







































PANEL LIGHTS

FRONT SCENE LIGHTS

DRIVER SIDE SCENE LIGHTS

PASSENGER SIDE SCENE LIGHTS

REAR SCENE LIGHTS

AIR HORN

OK TO PUMP

Side









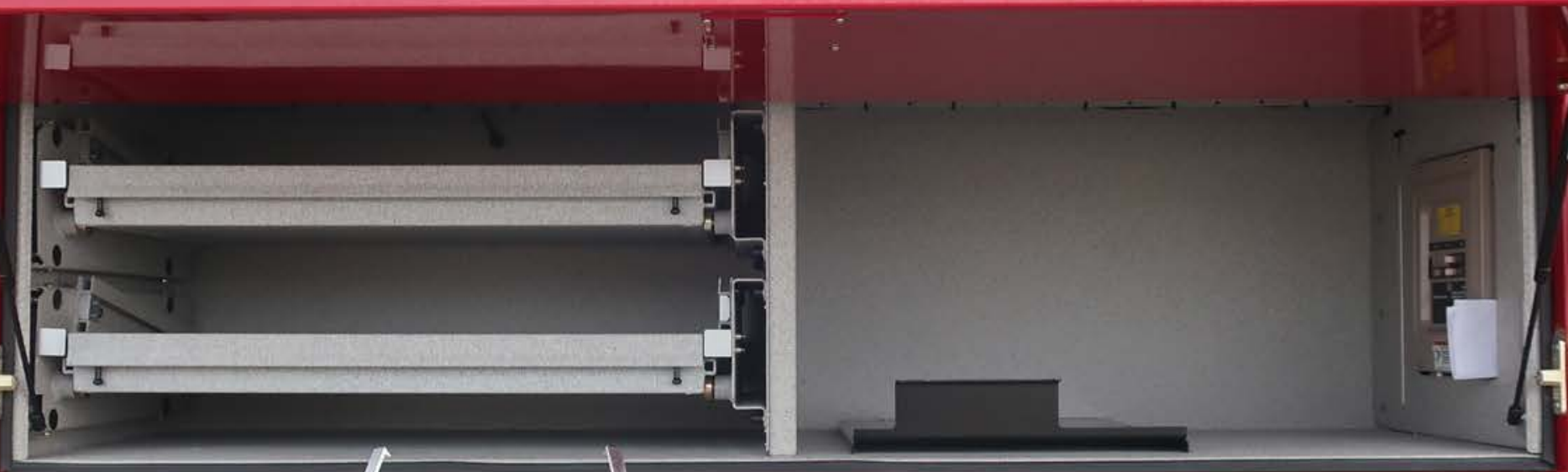




Welcome to Alaska's 1st City

# KETCHIKAN

The Salmon Capital of the World





 MANUFACTURING, INC. CONTINUOUS POWER SUPPLY RATING	
VOLTAGE(S)	120 VAC
FREQUENCY	60 HZ
PHASE	SINGLE
CURRENT	11.25 A
POWER	1,350 W
XANTREX PRO-SERIES 3	

OFF

ON

OFF

1

2

3

4

G1

TRUCK#34887


1.

2. AERIAL CKT #2 - REC

3. AERIAL CKT #1 - REC

4. AERIAL CKT #3 - LTS

⚠ WARNING



Electrical Shock Hazard  
 Disconnect power before  
 removing this cover.  
 Follow National Electrical  
 Code safe practices.  
 Electrical shock may injure or  
 kill.















P/N 3263807



EMERGENCY  
STOP

OVERLOAD

STABILIZER  
ENABLE



## ⚠ WARNING



**Aerial Stability Hazard**  
Before operating aerial device  
Set up on firm surface only  
Place pads beneath stabilizer jacks  
Extend stabilizer beams and lower  
jacks onto pads  
Failure to comply may injure or kill.



2773482









HOSE BED LIGHTS

Pierce











SHORELINE OUTLET

120VAC, 20AMP,  
1Ø, 60HZ







Welcome to Alaska's 1st City

# KETCHIKAN

The Salmon Capital of the World



of truck

LEAVE ON











**CAUTION**  
CHECK OVERHAUL AREA, REMEMBER  
COMPONENTS, WIRING, AND WIRE TIGHTENING  
FOR CLEARANCE BEFORE TILTING CAB.

**DANGER**  
CAB STEERING MUST BE IN THE SUPPORT  
POSITION BEFORE MOVING CAB OR  
MOVING ON THE CAB IN THE TILT POSITION.  
MOVING ON THE CAB WITHOUT STEERING  
IN THE SUPPORT POSITION,  
OR TILTING TO FULL OR INVERTED POSITIONS CAN  
RESULT IN INJURY OR DEATH.

**RAISE**  
  
**LOWER**

**CAB LIFT OPERATING INSTRUCTIONS**  
**TO RAISE CAB:**  
1. Position cab to lift.  
2. Move control to raise position.  
3. Pull up hand switch.  
4. Turn engine ON.  
5. Release hand switch to lift.  
6. No dismounting to the cab.  
7. Pull up hand switch to stop.  
8. Turn engine OFF to stop.  
9. Turn control switch to DOWN.  
10. Move control switch to DOWN.  
11. Press ACTIVATE switch until  
cab fully inverts and never  
unlocks are fully closed.  
12. Make sure cab is locked  
before operating again.  
cab is inverting or down.  
Manual Override See Operation Manual

**TO LOWER CAB:**  
1. Position cab to lower.  
2. Check that no personnel or  
obstructions are in lift path.  
3. Pull up hand switch to stop.  
4. Turn engine OFF to stop.  
5. Turn control switch to DOWN.  
6. Turn engine ON to lift.  
7. Press ACTIVATE switch until  
cab is off safety stop.  
8. Move control switch to DOWN.  
9. Press ACTIVATE switch until  
cab fully inverts and never  
unlocks are fully closed.  
10. Make sure cab is locked  
before operating again.  
cab is inverting or down.  
Manual Override See Operation Manual

**ACTIVATE**  


**1800 watts**

Sine Wave Inverter 1800

**xantrex**





TANK TO PUMP

TANK FILL

AERIAL DRAIN

→  
OPEN

PULL  
TO  
DRAIN

PULL  
TO  
DRAIN









AERIAL  
DISCHARGE



AERIAL INLET/OUTLET



PULL TO OPEN  
AERIAL  
DISCHARGE

PULL TO OPEN  
AERIAL  
DISCHARGE

PULL TO OPEN  
AERIAL  
DISCHARGE

PULL TO OPEN  
AERIAL  
DISCHARGE

PULL TO OPEN  
AERIAL  
DISCHARGE









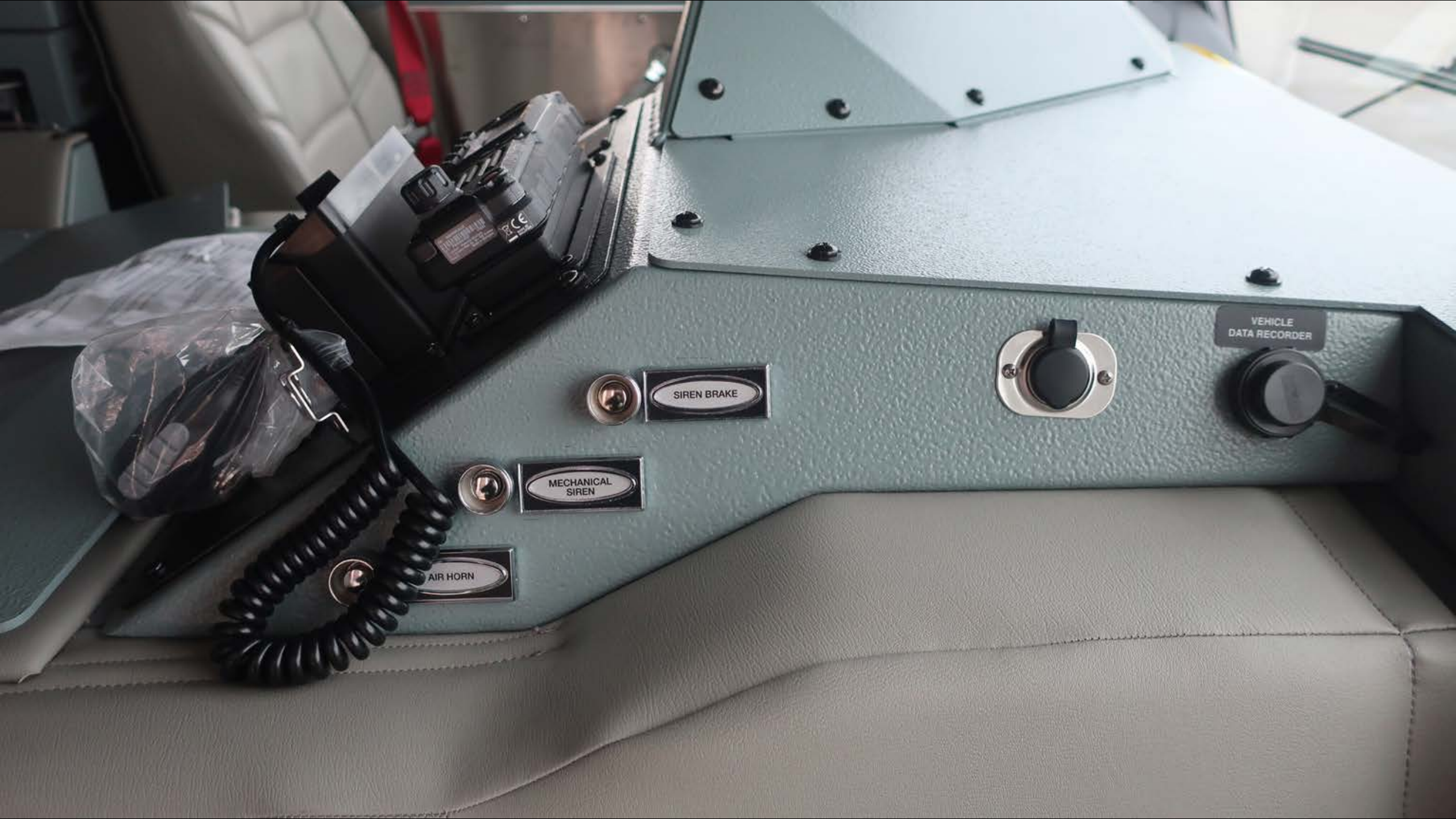












SIREN BRAKE

MECHANICAL  
SIREN

AIR HORN

VEHICLE  
DATA RECORDER





FIRE COM

VOLUME

SQUELCH

REAR SCENE

FRONT SCENE

FRONT LIGHT

FRONT BRIGHT







**DS  
SCENE**

**FRONT  
SCENE**

**PS  
SCENE**

**REAR  
SCENE**

**FRONT  
BASKET**





























28 MPa (4000 PSI)

28 MPa (4000 PSI)

P/N 3587634















**EMERGENCY STOP**

**AERIAL SPEED**  
NORMAL / FAST

**MANUAL BASKET LEVELING**  
ENABLE DOWN  
DISABLE UP



**LADDER CONTROL**

EXTEND  
↑  
RETRACT

RIGHT  
↑  
LEFT

LOWER  
↑  
RAISE





EXTEND  
↑  
RETRACT

RIGHT  
↑  
LEFT

LOWER  
↑  
RAISE

LADDER CONTROL

FRONT BSKT LT

FRWD UNDER  
BSKT LT

NOZZLE  
CONTROL

OPEN / CLOSE

VALVE

STREAM

FOG

RIGHT

LEFT

RAISE

LOWER

PIN 3497152





**WARNING**  
Do not attempt to use this equipment for lifting or moving loads. This equipment is designed for use as a lifting device only. Use of this equipment for any other purpose may result in injury or death.  
Do not use this equipment for lifting or moving loads. This equipment is designed for use as a lifting device only. Use of this equipment for any other purpose may result in injury or death.

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ASCENDANT  
Model 1000  
1000 Series  
1000 Series

**WARNING**  
Read and understand the operator's manual before operating the lift.  
The lift must be operated in accordance with the instructions in the operator's manual.  
Do not operate the lift if you are not trained and certified to do so.  
Do not operate the lift if you are under the influence of alcohol or drugs.  
Do not operate the lift if you are wearing a seat belt.  
Do not operate the lift if you are wearing a hard hat.  
Do not operate the lift if you are wearing safety glasses.  
Do not operate the lift if you are wearing a harness.  
Do not operate the lift if you are wearing a fall arrest system.  
Do not operate the lift if you are wearing a safety harness.  
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Do not operate the lift if you are wearing a fall arrest system.

**WARNING**  
If all warnings are ignored, the lift may become unstable and tip over.  
All personnel on the lift must be trained and certified to operate the lift.  
Do not operate the lift if you are not trained and certified to do so.  
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**HUGHES FIRE EQUIPMENT**