



500 Airport Drive, Shawano, WI 54166

(715) 524-2546

FAX: (715) 524-3877

MANUFACTURING, INC.

OWNER'S WARRANTY REGISTRATION FORM

Please type or print the following information:

3-D's Job Number: 2988

Chassis Make: American Le France

Chassis Model: American Eagle

Chassis Vin Number: 4Z3XETEB6WR906741

Purchaser's Complete Address: Butler Bureau of Fire

110 North Washington Street

Butler, PA 16001

Phone:

724-283-3100

Unit In-Service Address:

Same ↑

Phone:

Delivery Date: 01-99 In Service Date: 01-99

Authorized Signature: Donald J. Aquino

Type Name: Butler Bureau of Fire Title: Fire Chief

Date: 2/10/99 Phone #: (724) 283-4200

Mail and return completed Owner's Warranty Registration Form to:

3-D Manufacturing, Inc.  
500 Airport Drive  
Shawano, WI 54166

ATTN: Customer Service

NOTE: Please retain a copy of the Owner's Warranty Registration Form for future reference and your records.

war-ps

RECORD OF PUMPER CONSTRUCTION DETAILS  
Fire Apparatus Manufacturer's Division

1. Owner: City of Butler Fire Dept. Date: Sept. 3, 1998  
110 W. Washington St.  
Butler, PA 16001  
Chief Don Acquaviva
2. Mfg: 3D Manufacturing, Inc. Model: Paramount VI RMC 1500 Serial: 2988
3. Engine Make: Detroit Model: Series 55 Serial: 06L0002186
4. Number of Cylinders: 6 Bore: 5.04 Stroke: 6.10 Displ: 730 Cu. In.
5. Rate Hp: 425 at 2000 RPM No Load Governed RPM: 2150
6. Compression Ratio: 16.25:1 Aspiration: Turbo Charged
7. System Voltage: 12 Volts Alternator Output: 270 AMPS
8. Battery - Single: X Dual:          Capacity: 4300 CCA
9. Battery Make & Model: Freightliner 1231 MF
10. Fuel Tank Capacity: 72 Gallons Type of Feed: Electric
11. Cooling System: Heat Exchanger Yes Radiator Refill No
12. Transmission: Make Allison Model HD4060P Serial 6610023258
13. Drive To Pump Through Transmission: Yes
14. Gear Ratio/Engine to Pump: 1:2.28 Transmission Gear Used: Drive
15. Pump Make: Hale Model: RMC-1 Rated: 1250 GPM
16. Pump Serial #: 9880164 No. Stages: One Impeller Diameter: 11 1/2"
17. Priming Device Type: Electric Suction Size: 6"
18. Relief Valve: Yes Pressure Governor: No
19. Separate Booster Pump: No Make:          Model:
20. Booster Tank Capacity: 300 Gallons  
American
21. Chassis Make: LaFrance Model: Eagle Serial: 423XETEB6WR906741
22. GAWR: Front 20,000 Rear 46,000
23. Tires - Front Size: 385/65 R 22.5 (J) Rated Capacity Total: 20,000 lbs.
24. Tires - Rear Size: 12 R 22.5 (H) Rated Capacity Total: 46,000 lbs.
25. Chassis Weight Distribution with Water & Equipment: Front 14,940 lbs.
26. Chassis Weight Distribution with Water & Equipment: Rear 36,800 lbs.
27. Company: 3D Manufacturing, Inc.  
500 Airport Drive  
Shawano, WI 54166
28. Representative: Ben J. Michonaki



# CERTIFICATE OF ORIGIN FOR A VEHICLE

## FREIGHTLINER CORPORATION

AMERICAN LAFRANCE

DATE

11/03/97

VEHICLE IDENTIFICATION NO.

4Z3XETEB6WR906741

BODY TYPE

TRUCK

H.P. (S.A.E.)

425

G.V.W.R.

66000

YEAR

1998

MAKE

FREIGHTLINER

INVOICE NO.

433343

SHIPPING WEIGHT

19379

NO. CYLS.

SERIES OR MODEL

FL E1340645

I, the undersigned authorized representative of the company, firm or corporation named below, hereby certify that the new vehicle described above is the property of the said company, firm or corporation and is transferred on the above date and under the Invoice Number indicated to the following distributor or dealer.

NAME OF DISTRIBUTOR, DEALER, ETC.

TRUCK COUNTRY OF WISCONSIN, INC.

700 RANDOLPH DRIVE  
APPLETON, WI

54915

It is further certified that this was the first transfer of such new vehicle in ordinary trade and commerce.

FREIGHTLINER CORPORATION

BY:

(SIGNATURE OF AUTHORIZED REPRESENTATIVE)

(AGENT)

4747 NORTH CHANNEL  
PORTLAND, OREGON 97217

CITY - STATE

S-40 (7/92)

**SAMPLE COPY**  
**of**  
**Official Document**



## DELAYED WARRANTY START FORM

### Warranty Start Date Information

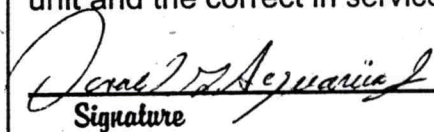
In-Service Date 01-99	Aerial Hours 85.9	Aerial Serial Number* 97033DYM
--------------------------	----------------------	-----------------------------------

### Fire Department Information

Fire Department Name Butler PA Butler Bureau of Fire
Address 110 N. Washington St Butler PA 16001
Telephone 724-283-3100
Fax 724-283-6521

### CUSTOMER ACKNOWLEDGMENT

My signature on the line below represents acknowledgment of training on the above stated aerial unit and the correct in service date.

  
Signature

**IMPORTANT:** Form must be completed in full and returned to validate warranty start.

Please return to: Aerial Innovations, 80 West Main Street, Reinholds, PA 17569  
ATTN: Sales Administrator

\*Aerial Serial Number is located either underneath the dash at the drivers feet or in the compartment underneath the drivers seat.



# HALE

Hale Products Inc.

## WARRANTY REGISTRATION

RETURN OF THIS WARRANTY REGISTRATION IS REQUIRED TO EFFECT THE LIMITED WARRANTY ON THIS PRODUCT. THE UNDERSIGNED ACKNOWLEDGES RECEIPT OF THE OPERATION AND MAINTENANCE MANUAL FOR THE PUMP AND FURTHER ACKNOWLEDGES READING AND UNDERSTANDING THE BASIC OPERATION OF THE PUMP DESIGNATED BELOW.

Authorized Signature

*Donna L. Acquarone*

Date

2/16/99

READ INSTRUCTIONS CAREFULLY FOR OPERATING PROCEDURES.

PUMP MODEL RMC-1 SERIAL NUMBER 98B0164

APPARATUS MANUFACTURER'S NAME:

3D Manufacturing

DATE PLACED IN SERVICE Month 01 Year 99

ENGINE MODEL Detroit Series 55 HP 425 RPM 2000

TRANSMISSION MODEL Allison HD4060P

MAKE AND MODEL OF CHASSIS American Lc France / American Eagle

TYPE OF VEHICLE:

PUMPER ☒ AERIAL ☒ TANKER ☐

TANKER PUMPER ☐ MINI PUMPER ☐ RESCUE PUMPER ☐

COMPANY/DEPARTMENT:

Butler Bureau of Fire

ADDRESS 110 North Washington Street

CITY Butler COUNTY Butler

STATE PA COUNTRY USA

ZIP/POSTAL CODE 16001

PURCHASED FROM: (Apparatus Dealer)

3D Manufacturing / JB Res Q

# STOCK DEMO LADDER ALF

-XOPSPC- PAGE 1

\*\*\* SPECIFICATION CONFIRMATION \*\*\*

DATE: 07/21/97

TOMER: 3 D MANUFACTURING, INC.  
500 AIRPORT RD,  
SHAWANO WI 54166

SERIAL NUMBER.....906741

TSO NUMBER.....A1407FM

CONCESSION NUMBER.....

MODEL NUMBER.....ALF

ATTN: DAVE MOSER 97  
TRUCK CTY OF WISCONSIN, INC.  
LET: 700 RANDOLPH DRIVE  
APPLETON WI 54915

BUILD LOCATION..AMERICAN LAFRAN

PO NO.....1168

ORDER RECEIVED.....06/02/97

REQUESTED DELIVERY.....08/01/97

DB  
M CODE

SPECIFICATIONS

WEIGHTS (\*) SUGGESTED  
FRONT REAR RETAIL

## PRICE LEVEL INFORMATION

PRL-702 AMERICAN LAFRANCE - SPECPRO VER 1.05  
03/21/97 LETTER PL C.....

N/C

## GENERAL APPLICATION INFORMATION

AA1-002	TRUCK CONFIGURATION.....		
A85-020	FIRE SERVICE.....		
AA3-027	FIRE TANK/PUMPER BODY - MAIN DRIVELINE DRIVEN SPLIT-SHAFT PTO/PUMP.....		
AA4-002	LIQUID BULK COMMODITY.....		
AA5-002	100% ON HIGHWAY/CITY TERRAIN.....		
AB5-001	SMOOTH CONCRETE OR ASPHALT ROAD SURFACE.		
AB1-008	MAXIMUM 8% EXPECTED GRADE.....		
AA6-002	DOMICILED, USA 49 STATES.....		
A66-99D	EXPECTED FRONT AXLE(S) LOAD.....	20000	LBS
A68-99D	EXPECTED REAR DRIVE AXLE(S) LOAD.....	40000	LBS
A63-99D	EXPECTED GROSS VEHICLE WGT CAPACITY.....	60000	LBS
A70-99D	EXPECTED GROSS COMBINATION WEIGHT.....	0	LBS
A80-99D	CALCULATED MAX TRAILER SWING RADIUS.....	0	IN
AE2-99D	EXPECTED TRUCK BODY WIDTH.....	96	IN
A88-99D	EXPECTED TRUCK BODY LENGTH.....	22 FT	0 IN
A89-99D	REQUESTED CAB TO TRUCK BODY CLEARANCE...	3	IN
AA8-99D	REQUESTED FRAME LENGTH BACK OF CAB.....	0	IN
AA9-99D	REQUESTED REAR C/M LOCATION FROM BUMPER.	0	IN
AB3-99D	TRK REAR C/M RECESSED FROM END OF FRAME.	0	IN
AB7-99D	BODY TO END OF FRAME VARIANCE.....	0	IN

\*\*\* SPECIFICATION CONFIRMATION \*\*\*

DATE: 07/21/9

CUSTOMER: 3 D MANUFACTURING, INC

SERIAL NUMBER.....90674

MAXIMUM GVW & AXLE SYSTEM CAPACITIES

COMPONENT	-----AXLES-----						
	-----FRONT-----		PUSHER	-----REAR-----			TAG
	1ST	2ND		1ST	2ND	3RD	
AXLE	20000			24000	24000		
SUSPENSION	21500			24000	24000		
TIRES	20000			26440	26440		
WHEELS/RIMS	22000			29200	29200		
WHEELS/SPOKES	20000			23000	23000		
BRAKES	20000			24999	24999		
STEERING	21500						
MAX RATED CAPACITY	20000			23000	23000		

VEHICLE SUMMARY

MAX CAP FRONT AXLE: 20000  
 MAX CAP REAR/AXLE: 46000  
 MAX CAP PUSH/TAG AXLE: 66000  
 MAX VEHICLE CAP (GVW): 66000  
 FIFTHWHEEL GVWR: 000000



# 3D MANUFACTURING

## Electrical System Load Analysis

Job Number : 2988

Date :12/01/98

Customer Name & City : CITY OF BUTLER FIRE DEPT

Electrician : LONNIE K.

Identification number : 423XETEB6WR906741

Chassis Make : ALF

Engine : DETROIT SERIES 55

Alternator Model : LEECE NEVILLE

Amp Rating: 270

Make :

Battery Model :FREIGHTLINER

Quantity : 4

CCA capacity : 4X1075=4300

1231MF

Total AMP Draw : 137

Special Info:

\*\*\*\*\* INDIVIDUAL AMP RATINGS \*\*\*\*\*

Description	Make	Model	AMPS
Light Bar	WHELEN	W/CHASSIS	11.4
Front Warning	WHELEN	W/CHASSIS	3.1
Rear Warning	WHELEN	RB2012	3.8
Rear Strobe	WHELEN	64FC20RU	3.8
Intersection	WHELEN	64FC20RU	9.0
Alternating Headlights	ABLE II		9.3
Electronic Siren	W/CHASSIS		9.6
Compartment Lights	SIGNAL STAT	PC10	29.7
Pump Panel Lights	ARROW		3.0
Step Lights	SIGNAL-STAT	PC10	6.5
Rear Deck Lights	N/A		
Spot Lights	OPTRONICS	KB-4001	9.6
Pump Work Lights	TRUCK LITE	SC25	
Engine Lights	W/CHASSIS		1.2
Left Scene(ALLEY) Lights	N/A		
Right Scene(ALLEY) Lights	N/A		
Rear Scene Lights	WELDON	3000	12.2
12v Telescoping Lights	N/A		
Underbody Lights	SIGNAL STAT	PC10	8.6
Steady Burn	N/A		
Hose Bed Lights	N/A		
Arrowstick	N/A		
Q2B			16.20