

**Williams Fire Apparatus**  
 778 Idaho Road  
 Ashland, AL 36251  
 customerservice@williamsfireinc.  
 com  
 (800) 239-7900



**Invoice: 29784**  
**Date: 12/18/2025**

**Bill To**  
 Ashland Fire Department  
 21 3rd Ave South  
 Ashland, AL 36251

**Remit Payment To**  
 Williams Fire Apparatus  
 778 Idaho Road  
 Ashland, AL 36251

Service Order	Terms	Due Date	Authorizer	Customer PO	Service Writer	Unit #
10303	Net 30	1/17/2026			Carr, Heath	Ashland Brush truck

Item	Description	Quantity	Rate	Amount
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**Complaint:** Charger not working

Charge air pipe blown

Motor not running right on pump

**Cause:** Customer request

Labor	<p><b>Correction:</b>                      Body and Cab / General / -Began by pulling the plug off the sensor on charge air line</p> <ul style="list-style-type: none"> <li>-Took clamp loose and removed the portion of old hose that was broken</li> <li>-Got new charge air hose and began installing the sensor and installed new hose</li> <li>-Started truck and everything ran as it should</li> <li>- Began looking at the tank to pump hose that was leaking</li> <li>-Got new fittings and hose and installed all fittings with thread tape and pipe sealant</li> <li>-Installed new hose with fittings</li> <li>-Replaced carburetor on engine on pump</li> <li>-Changed engine oil and filter</li> <li>-Filled truck at hydrant and brought back to shop</li> <li>-Pumped truck</li> <li>-Ensured everything was working and filled at hydrant again</li> <li>-Delivered to fire department</li> <li>-Plugged in the kussmaul charger</li> <li>-Found the bar graph display was not displaying any charge level</li> <li>-Removed the cage from around the charger</li> </ul>	11.77000	\$150.00	\$1,765.50
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- Found that we had the 120 volts input voltage needed
- Removed the two battery wires from the charger
- Found the charger was not outputting any voltage
- Got a new charger from stock
- Saw that on the new charger had a fuse on the back of it
- Removed the old charger
- Found that that fuse was blown
- Replaced with a new fuse from stock
- Hooked up all wires that were on the charger
- Plugged the kussmaul back in
- Found that it was outputting voltage at this time
- Reinstalled the charger and made sure all wires were installed correctly
- Reinstalled the cage around the charger
- Started truck and made sure it was ejecting the plug correctly
- Found everything to work correctly at this time

Parts	Easy-Fit Barbed Hose Adapter for Chemicals, 316 Stainless Steel, for 2" Hose ID x 2 NPT Male - 5363K76	1.00000	\$92.1596	\$92.16
Parts	Intercooler Tube - 667-300	1.00000	\$282.68	\$282.68
Parts	Stik-Hos - 613	1.50000	\$31.2576	\$46.89
Parts	2x4 Gal Nip - 15916083	2.00000	\$7.9772	\$15.95
Parts	511-208HN - 15914179	1.00000	\$13.0388	\$13.04
Parts	1/2" elbow - 15911266	1.00000	\$9.7088	\$9.71
Parts	Sales Tax - Tax	1.00000	\$3.8775	\$3.88

**Unit:** Ashland Brush truck (Ashland brush truck) **VIN:** 1FD0W5HT0CEB46055  
 2012 Ford F-550  
**Chassis:** 123,456 Miles

<b>Shop Supplies</b>	\$29.77
<b>Pre-Charge Subtotal</b>	\$2,259.58
<b>Local (0% of \$0.00)</b>	\$0.00
<b>Total</b>	\$2,259.58
<b>Payments &amp; Credits</b>	\$0.00
<b>Balance Due</b>	\$2,259.58

Any warranties on the parts and accessories sold hereby are made by the manufacturer. You understand and agree that we make no warranties of any kind unless expressed in writing. You hereby authorize us to perform the repair work herein set forth and to purchase the necessary material and parts to perform such repair work. You agree that we are not responsible for loss or damage to your vehicle or articles left in your vehicle in case of fire, theft, or any other cause beyond our control or for any delays caused by unavailability of parts or delays in part shipments by the supplier or transporter. In addition, you agree that we are not responsible for damages to your vehicle from freezing due to lack of antifreeze. You hereby grant our employees permission to operate your vehicle on streets, highways, or

elsewhere for the purpose of testing and/or inspection. You acknowledge and agree that an express mechanic's lien on your vehicle is granted to secure payment of this invoice for the repair work detailed in this invoice.

**Customer Signature:** \_\_\_\_\_

**Printed Name:** \_\_\_\_\_ **Date:** \_\_\_\_\_