

1 FC-R-2016-44  
2 CUMBERLAND FIRE DISTRICT  
3

4 Resolution: Authorizing the payment of \$3,394.06 to Ralco Equipment Company,  
5 Inc. for repairs to Truck 1  
6

7 Be it resolved by the Cumberland Fire District as follows:  
8

9 WHEREAS: Truck 1 was sent to Ralco Equipment Company for routine maintenance.  
10

11 WHEREAS: All work is listed on the invoice attached.  
12

13 WHEREAS: All work was completed with Chief Finlay's approval.  
14

15 NOW, THEREFORE, BE IT RESOLVED BY THE CUMBERLAND FIRE DISTRICT AS FOLLOWS:  
16

17 Section 1. The Finance Department is authorized to pay Ralco Equipment Company,  
18 Inc. \$3,394.06 for routine maintenance of Truck 1. Such payment shall be  
19 charged to Account 6101.  
20

21 Voted on this 27<sup>TH</sup> day of September, 2016  
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27 Bruce A. Lemois, Chairman  
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30  
31  
32 

33 Debra Auclair, Clerk  
34

35 YAY: NAY:

36 LEMOIS  
37 CHAMPAGNE  
MATTA  
SCULLIN

OUELLETTE - WORK  
PARENT - WORK  
KOUTSOGIANE - ABSENT

PASSED 4-0

**Ralco Equipment Company, Inc**  
 51 Ralco Way/PO Box 35  
 Cumberland, Rhode Island. 02864-0035  
 Phone: 401-726-3095 Fax: 401-726-6950  
 We do the job once and we do it right!

**INVOICE**

**8923**

Org. Est # 015532  
 RI Inspect Station 155C  
 ralcotruck45@verizon.net

**INVOICE**

Vehicle Received: **08/24/2016**

Invoice Date: **08/24/2016**

**Cumberland Fire Department - Chief Finlay**  
 3502 Mendon Road  
 Cumberland, RI 02864  
 Office : 401-658-0544 Cellular : 401-474-0314 Fin  
 Cust ID : 934

2000 KME - KME Fire Appartus Tandem Axle - ISM 450 HP  
 Lic # : 690 - RI Odometer In : 54601  
 Unit # : Truck 1  
 VIN # : 1K9AF648X YN058211  
 Hat # : 14900

Part Description / Number	Qty	Sale	Ext	Labor Description	Extended
Lectra Motive Elec Cleaner 05018	1.00	7.58	7.58	Hard or slow starting. Check batteries, charging system.	n/c
Lug Terminal HL200375	3.00	7.64	22.92	Perform cab lift procedure and support. Disconnect and load test all 5 batteries. Found all batteries in good condition. Also bypass disconnect and retest, all good. Clean all terminals and jumper lines. Replace worn and cracked terminals as needed. Trace positive cables from batteries to master disconnect switch and found switch hot and not transferring full power. Disconnect terminals to switch and remove. Found unit original. Locate new OEM unit and ship in. Recommend replacement of unit. Also found engine starter original and slow cranking. Bypass master disconnect and test voltage and starter draw. Found unit excessive draw and hard spot in starter. Recommend replacement. Verify alternator charging correctly. Contact customer and he approved needed disconnect switch replacement and starter replacement.	
Sandpaper 02175	2.00	2.29	4.58		
Mega Heat Shrink HSM30-150	10.00	3.87	38.70		
SS Acorn Term Nut 7802	5.00	7.71	38.55		
Corrosive Cmpd CB104	2.00	1.97	3.94		
Nut/Washer Kit 8HN38CK	4.00	0.78	3.12	Remove and replace engine starter.	n/c
HD OEM Starter Assy 1114249	1.00	498.23	498.23	With cab up, disconnect all batteries. Reposition bundled harness on top of starter for access. Disconnect and remove all power and ground terminals. Remove starter mounting hardware. Remove unit. Clean and inspect flywheel for wear. Clean and dress all terminals. Install new OEM reman unit. Secure with new hardware and torque. Reconnect terminals and install new terminal retainers. Replace upgraded magnetic relay switch assy. Secure with new retainers and wire into system. Re secure main harness and wires. Reconnect batteries and start unit several times with no further issues.	
12 Pt Retainer Bolt 12B12P58225C	3.00	13.87	41.61	Remove and replace master disconnect switch.	n/c
Lug Terminal HL200500	2.00	8.68	17.36	Previously removed switch for diagnostics. Ship in new OEM unit from Bulldog Fire and charge direct to CFD per chief instructions. Install new master disconnect on mounting plate. Secure plate in cab and reconnect battery in and feed terminals. Secure all areas. Operate unit and start. Verify starting and charging system functioning correctly and no heat build up on switch.	
Term Hdw Kit 316-459	1.00	9.33	9.33	Remove and replace previously diagnosed inversion air valve in rear.	n/c
Magnetic Relay Switch 10596623	1.00	67.42	67.42	Rear inversion valve leaks when brake released. Order new unit previous. Disconnect air lines and remove retainer bolts. Remove air valve assy. Transfer fittings and seal, replace where needed. Install new valve assy and secure with new retainers. Replace aluminum mounting bracket and hardware. Reconnect air lines. Extend, route and secure. Air up system and verify operation and no leaks.	
Mounting Bolt Kit 8B516X175CK	3.00	1.44	4.32	Remove and replace missing return spring on brakes, right side forward drive axle.	n/c
VINYL INSUL CLAMP 202731	3.00	4.72	14.16	ADD: Replace all four tires due to wear with units supplied by customer (Tire Doctor).	
RETAINER 105092	3.00	3.59	10.77	Found right side brake spring dangling in drum. Jack up and support unit. Remove wheels and tires. Back off brakes and remove drum. Disassemble and remove brake shoes. Clean all areas. Install brake shoes and lubricate all pivot points. Install new brake and spring hardware kit. Clean and install drum. Adjust brakes as needed.	
Term Lock Washer 6TLW50T	3.00	2.13	6.39		
Term Nut, Brass 6HHN50CBRS	3.00	3.48	10.44		
Dielectric Cmpd DL4	1.00	6.47	6.47		
Roloc Disc 01406	1.00	11.29	11.29		
Alum MNT Bracket MK35607	1.00	42.93	42.93		
Retainer Bolt Kit 8B38X200CK	4.00	2.27	9.08		

**Ralco Equipment Company, Inc**  
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 Phone: 401-726-3095 Fax: 401-726-6950  
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 ralcotruck45@verizon.net

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2000 KME - KME Fire Appartus Tandem Axle - ISM 450 HP  
 Lic # : 690 - RI Odometer In : 54601  
 Unit # : Truck 1  
 VIN # : 1K9AF648X YN058211  
 Hat # : 14900

Part Description / Number	Qty	Sale	Ext	Labor Description	Extended
Relay Inversion Air Valve KN28032	1.00	361.53	361.53	ADD: Remove all four front drive axle tires due to excessive wear. Customer sent down tire doctor and had four tires replaced. Once tires returned install on truck and remove from stands.	
Retainer Bolt Kit 8B716X175CK	3.00	2.98	8.94	Labor Charge	1945.38
Brass Tee Fitting 38FMTEE38M	1.00	13.72	13.72	Environmental Fee	15.95
Brass 90 Comp Fitting 38MP9050CMP	2.00	10.13	20.26		
Steel Flare Fitting 50MPST10FLR	1.00	9.55	9.55		
Nylon Air Tubing 500NT225	6.50	4.79	31.14		
Brass Full Comp Union 50CPU50CP	2.00	11.88	23.76		
VINYL INSUL CLAMP 25604LC	3.00	1.96	5.88		
RETAINER 12016RT	3.00	1.02	3.06		
HD Brake HDW Spring Kit 80022	1.00	16.36	16.36		
Brake Clean C32	3.00	5.32	15.96		
AntiSieze NSBT-1	1.00	4.80	4.80		
Freight Charge Freight	1.00	38.63	38.63		
Shop Supplies			9.95		

**[ Recommendations ]**

Input seal on forward rear end minor seepage.  
 Rear suspension Chalmer bushings and top plates need replacement, broken and rotted caps.

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Org. Estimate 3,360.84 Revisions 0.00 Current Estimate 3,360.84

Labor:	1,945.38
Parts:	1,432.73
SubTotal:	3,378.11
HazMat:	15.95
Tax:	0.00
Total:	3,394.06
Bal Due:	\$3,394.06

[ Payments - ]

I hereby authorize the above repair work to be performed. I hereby grant you or your employees permission to operate the car or truck herein described on street, highways, etc for the purpose of testing and/or inspection. An express mechanic's lien is hereby acknowledged on above car or truck to secure the amount of repairs thereto. All sums shall become due and payable upon completion. All legal, attorney, and/or collection fees pursuant to this contract shall be paid to Ralco Equip Co by the undersigned

Signature \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_