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**FC-R-2017-30**  
**CUMBERLAND FIRE DISTRICT**  
**Resolution**

**RESOLUTION:** Authorizing the Finance Director to pay Ralco Equipment Co, Inc. an amount not to exceed \$10,459.79.

**WHEREAS:** Ralco Equipment Co, Inc. was contracted to make repairs to Engine 1 as needed to make vehicle safe after a state inspection.

**WHEREAS:** All repairs have been made with the approval of the Chief.

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

**RESOLVED:** The Finance Director is authorized to pay Ralco Equipment Company, Inc, an amount not to exceed \$10,459.79.

Voted on this 24<sup>th</sup> day of October, 2017

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Cynthia Ouellette, Chairperson

**PASSED:**  
**YAY: 7      NAY: 0**



CUMBERLAND FIRE DEPARTMENT  
3502 MENDON ROAD  
CUMBERLAND, RI 02864

Kenneth A. Finlay  
Chief of Department

Phone:(401) 658-0544  
Fax:(401) 658-2198  
Cell:(401) 474-0314  
kfinlay@CumberlandFire.org

Fire Commission Board  
October 18, 2017  
Request for payment  
Re: RALCO Repair

Commissioners:

Attached is the repair bill for Engine 1 for deficiencies found during state inspection. I was consulted as the work progressed and verified all parts and repairs were needed to make the vehicle safe. The total amount is \$10,459.79 and the funding source will be line number 6101.

*K.A.F.*

Kenneth A. Finlay

Fire Chief

**Ralco Equipment Company, Inc**

51 Raico 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!

**9405**

Org. Est. # 016080

RI Inspect Station 155C

ralcotruck45@ve1izon.net

**INVOICE**

PrintDate: 10/10/2017

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

2004 Pierce - Fire Engine Apparatus  
 Cummins ISL  
 Lrc # : 1212 : RI Odometer In : 90,794  
 Unit# : Engine 1 Odometer Out •  
 VIN# : 4P1 CT02A2 4A004083

Part Description / Number	Qty	Sale	Ext	Labor Description	Extended
Roloc Disc 01408	2.00	9.81	19.62	Remove and replace rear springs.	0.00
Cut Off Wheel 01989	3.00	11.93	35.79	Jack up unit and support rear frame and axle on stands. Relax suspension. Remove wheels and tires as needed. Cut off an remove u-bolts, retainers, hardware. Remove lower spring seats. Heat and remove all spring pin lock bolts. Hammer, heat, and press out spring pins. Remove spring upper saddles. Remove spring assemblies. Clean all areas and inspect hangers, shackles and axle. Found spring hangers excessively worn and need replacement. Contact Oem and locate new spring hangers, charge to customer account with approval. Heat and remove retainer bolts and cap screws holding front hangers in position. Remove hangers. Clean and remove all rust build up on frame. Prime and paint. Install new front spring hangers and secure with new mounting hardware. Torque to specs. Install new centering pin, spring seat. Install new spring assemblies and secure. Install new hanger shackle in rear and dress main shackle. Install new spring pins and lubricate. Install new lock bolts. Install top saddle and new u-bolt and retainers. Torque to specs and double nut with two men. Prime and paint all repaired areas for life extension and to check for future movement. Perform identical procedure on left and right rear.	
90 Deg Steel Bracket 504606SAB	2.00	59.88	119.76		
Steel Gusset Plate 50460SGP	4.00	18.69	74.76		
HD Steel Spacer Block 3850SSB	4.00	12.51	50.04		
Cut Off Wheel 93403	4.00	10.96	43.84		
Welding Rod 6011	26.00	1.28	33.28		
Grinding Wheel WA1226	1.00	11.29	11.29		
Hex Head Cap Screw Kit 75B350CK	6.00	9.72	58.32	NOTE: See attached arts invoices from OEM for all parts purchased and charge to customer accounts.	
Steel Half Moon Bracket X296543	4.00	16.79	67.16	Remove, repair, rebuild spring stops and helpers mounted on left and right side frame rail.	0.00
Hex Head Bolt Kit 8B716X825CK	4.00	7.33	29.32	Original spring helpers and stops rotted, bent upward and performing no function. Contact chief and recommend replacement, or rebuild with heavier units. Repairs were approved. Heat and remove retainers. Hammer and remove original broken and bent spring stops/helpers. Clean and dress frame rail removing all rust build up. Primer/paint undercoat as needed. Using necessary steel and gussets, fabricate new spring stops. Weld all areas secure and drill necessary mounting holes. Upgrade form 1/2 holes to 5/8 holes in frame as needed. Drill four mounting holes for heavy duty solid rubber pad mount. install new rubber pad and secure. Install new spring stops/helpers on truck with heavy duty upgraded hardware. Torque to specs. Prime and paint all repaired areas.	
Brass 45 Deg Comp Fitting 38MP4538	3.00	7.61	22.83		
Teflon Tape 06195	1.00	5.58	5.58		
Brass St Comp Fitting 50MPST58COM	2.00	14.73	29.46		
Nylon Air Tubing 5800NT	5.00	5.79	28.95	Remove and replace leaking air tanks located on inner frame mounted left and right side rear of unit.	0.00
Full Comp Union 58FCX58FU	2.00	15.58	31.16	During repairs found air tanks mounted behind frame rail on rear of unit excessively rotted and leaking air. Contact customer and have him come to sight for inspection. Recommend replacement of both air tanks and re secure of all loose and falling off air valves, replacement where necessary. Customer approved needed repairs.	
PROTECTIVE SPLIT LOOM 5-032	5.00	2.26	11.30		
Retainer Bolt Kit 8B516X225CK	8.00	2.76	22.08	Locate new air tanks at OEM and charge to customer account (see attached). Disassemble and remove air liens, valves and related running to	

**Ralco Equipment Company, inc**

51 Ralco Way/PO Box 35

Cumbeiland, Rhode island 02864-0035

Phone: 401-726-3095 Fax: 401-726-6950

We do the job once and we do it right!

**9405**

Org. Est. # 016080

RI Inspect Station 155C  
ralcolnJck45@verizon.net

**INVOICE**

Print Date : 10/10/2017

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

2004 Pierce - Fire Engine Apparatus  
Cummins ISL  
Lie# : 1212 - RI Odorneterin : 90,794  
Unit# : Engine 1 Odometer Out :  
VIN# : 4P1CT02A2 4A004083

Part Description / Number	Qty	Sale	Ext	Labor Description	Extended
Steel L-Bracket 182010SB	4.00	14.89	59.56	both leaking air tanks. ,ree up and remove mounting hardware. Remove air tanks. Clean and remove all rust and debris build up on inner section of frame. Prime and paint. Prep new air tanks for install. Transfer all necessary valves, fittings and plugs. Replace fittings and plugs where needed. Install new check valves. Install air tanks in position on frame and replace brackets and hardware. Secure and torque all retainers. Connect and extend air lines as necessary. Route and insulate all lines as needed. Re secure all loose and falling off air valves using steel l-rackets and supports. Replace hardware. Once all repairs complete, air up system check operation and for leaks. Install wheels and tires. Remove from supports and road test. Recheck all repaired areas and verify operation.	
Hex Nut Kit 8HtJ38CK	8.00	US	9.44		
Hex Nut Kit 8HN58CK	4.00	3.66	14.64		
VINYL INSUL CLAMP 61853IC	6.00	2.63	15.78		
RETAINER 2558RS	6.00	1.41	8.46		
Rubber Wrap Insul 316650RWI	4.00	3.27	13.08	Repair generator exhaust system.	0.00
Air Hose Holder/Divider 11549	5.00	9.11	45.55	Flex pipe for auxiliary generator also damaged and ripped off. Cut back section of broken flex and re route. Secure and add pipe where needed. Replace clamps where necessary and verify operation and clearances.	
Air Ratio Valve SP4 629066	1.00	139.72	139.72	Repair exhaust system.	0.00
Steel Male Reducer Nipple 586623	1.00	12.99	12.99	Exhaust system hit and excessively damaged under cab. Cut off and remove all damaged portions of system. Remove front main header pipe with welded flex pipe on unit. Cut off rotted section and weld new section of pipe to accept muffler inlet. Clean and dress all areas. Install head pipe back on truck and replace I support clamps, seals clams and related. Locate new muffler assy and install. Install new exhaust elbows, flex, and straight pipe as original to get tail pipe out on right side rear. Align all exhaust and replace supports, hangers, and brackets. Install new u-bolt clamps and seal clamps at all joints. Run unit and re tighten all clamps and verify operation and no leaks.	
Hex Head Pipe Plug 25HHPP	4.00	4.67	18.68		
Hex Head Pipe Plug 50HHPP	4.00	7.88	31.52		
Cap Screw Kit 8B716X225CK	8.00	2.93	23.44	Replace brake chambers on steer axle, rotted.	0.00
Cap Screw Kit 8B716X600CK	3.00	3.42	10.26	Front service chambers mounted on brake calipers rotted and holes in unit. Locate new OEM unit and retrieve from OEM, charge to customer account. (see attached).	
Solid Rubber Cushion 58305RCS	2.00	29.94	59.88	Disassemble and remove air lines to chambers. Remove support clamps. Remove mounting hardware and remove original left and right brake chambers. Clean and dress caliper mounting location and coat with pressure lube. Install new OEM chambers and secure replacing mounting hardware. Install new 90 deg flare fitting and seal. Connect air supply line and secure with new clamps. Operate both units and verify proper application, release and no air leaks.	
Cap Screw Kit 8B38X200C	8.00	2.28	18.24		
Mnt Bolt Kit 8B58X225CK	12.00	6.89	82.68		
SS Cone Burring Bit 21069	1.00	21.76	21.76	Labor Charge	4,506.38
Solid Centering Pin 5878CP	2.00	11.62	23.24	Shop Labor rate is 108.50 and CFD receives discounted rate of 98.50/hour. We appreciate your continued business and loyalty.	
				Perform necessary state inspection on unit.	15.00
				Perform inspection and install sticker on unit.	
				Environmental Fee	15.95

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51 Ralco Way/PO Box 135  
 Cumberland, Rhode Island 02864-0035  
 Phone: 401-726-3095 Fax: 401-726-6950  
 We do the job once and we do it right!

**9405**  
 Org. Est. # 0160130  
 RI Inspect Station 155C  
 ralcotr11ck45@verizon.net

**INVOICE**

Print Date : 10/10/2017

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

2004 Pierce -Fire Engine Apparatus  
 Cummins ISL  
 Lie# : 1212 - RI Odometer In: 90) 94  
 Unit# : Engine 1 Odometer Out :  
 VIN# : 4P1CT02A2 4A004083

Part Description	INumber	Qty	Sale	Ext	Labor Description	Extended
Steel Spring Seat		2.00	73.54	147.08		
806655						
Shackle Hanger		2.00	297.43	594.86		
293407						
HD Spring Assy		2.00	1,049.98	2,099.96		
5827						
HD Tmp Spring Pin GRS		6.00	45.37	272.22		
850722						
GRS Fitting		6.00	3.41	20.46		
30614						
Lithoplex Pressure Grease		2.00	9.73	19.46		
PS24968						
Cap Screw Kit		4.00	2.79	11.16		
8B38X325CK						
Cap Screw Kit		2.00	3.62	7.24		
8B38X450CK						
Tmp U-Bolt		4.00	46.23	184.92		
783019						
Tmp Washer		8.00	3.87	30.96		
48197						
Tmp Deep Nut		1600	6.21	99.36		
52635						
Thread lock		1.00	9.36	9.36		
242						
Rst Tgh Primer		1.00	13.98	13.98		
20-1631						
Rst Tgh Paint		1.00	14.72	14.72		
20-1615						
Flush Off Degreaser		2.00	15.19	30.38		
95660						
Anti Seize		1.00	9.60	9.60		
NSBT-1						
Brake Clean		2.00	6.32	12.64		
C32						
Surf Cond Disc		2.00	6.42	12.84		
7480						

# Ralco Equipment Company, Inc

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 Cumberland, Rhode Island 02864-0035  
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**9405**

Org. Est. # 016080  
 RI Inspect Station 1B5C  
 ralcotruck45@venzon.net

## INVOICE

PrintDate 10/10/2017

Cumberland Fire Department - Chief Finlay  
 3502 Mendon Road  
 Cumberland, RI 02861  
 Office 401-658-0544 --- Cellular 401-474-0314 Fin  
 Cust ID: 934

2004 Pierce - Fire Engine Apparatus  
 Cunmlins ISL  
 Lie# : 1212 - RI Odometer In: 90,794  
 Unit# : Engine 1 Odometer Out:  
 VIN# : 4P1CT02A2 **4A004083**

Part Description /Number	Qty	Sale	Ext	Labor Description	Extended
WASHER	4.00	2.31	9.24		
8FW58F					
LOCK NUT	4.00	3.89	15.56		
8SLN58C					
Assy Lube	1.00	6.78	6.78		
SL3331					
Flare Connector Fitting	2.00	8.71	17.42		
629075					
VINYL INSUL Cl_AMP	2.00	6.26	12.52		
26441 IC					
Roloc Disc	1.00	11.70	11.70		
01406					
HD Horxz Muffler Assy	1.00	229.63	229.63		
M4490					
HD Straight Intermediate Pipe EXH	1.00	62.71	62.71		
40X36ST					
HD EXH Elbow	1.00	94.89	94.89		
10490-18A					
HD EXH Extension Pipe	1.00	81.16	81.16		
42410AB					
Exh Seal Clamp	6.00	23.67	142.02		
) (004482					
U-Bolt Saddle Clamp	8.00	18.41	147.28		
35799					
Metal Cushioned Hanger w/ Bracket	2.00	42.13	84.26		
3016452					
Coiled Tension Spring	2.00	7.59	15.18		
20663					
HD Exh Clamp	2.00	6.47	12.94		
HBC278					
Cap Screw Kit	2.00	3.93	7.86		
88716) (250CK					
Cap Screw Kit	6.00	4.14	24.84		
8B50) (175CK					
Metal Ext Support Bracket	2.00	8.21	16.42		
219647					

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Print Date : 10/10/2017  
 2004 Pierce - Fire Engine Apparatus  
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 Lie# : 1212 - RI Odometer In: 90,794  
 Unit# : Engine 1 Odometer Out :  
 VIN# : 4P1CT02A2 **4A004083**

Part Description / Number	Qty	Sale	Ext	Labor Description	Extended
HD Zip Tie	15.00	1.02	15.30		
AL 141200HD					
TIE WRAP	26.00	0.39	10.14		
AL11500					
Shop Supplies			9.95		

[Technicians: Vecchio, JR, Theodore 20; Vecchio, Joseph 21 ]

Org. Estimate	\$ 10,459.79	Revisions	\$ 0.00	Current Estimate	\$10,459.79	Additional Cost	Revised Estimate	Labor:	<b>4,521.38</b>
								Parts:	<b>5,922.46</b>
								Sub:	<b>10,443.84</b>
								Tax:	0.00
								HazMat:	15.95
								Total:	<b>\$10,459.79</b>
								Bal Due:	<b>\$10,459.79</b>

[ Payments - j

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 .....

Written By: Vecchio, JR, Theodore