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FC-R-2019-10
CUMBERLAND FIRE DISTRICT
Resolution

RESOLUTION: Authorizing the Business Manager to pay Ralco Equipment Company, Inc., an amount not to exceed \$4,574.08.

WHEREAS: Ralco Equipment Company, Inc., has made repairs to Engine 3.

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 Business Manager is authorized to pay Ralco Equipment Company, Inc., an amount not to exceed \$4,574.08.

Voted on this 26th day of March 2019



Cynthia Ouellette, Chairperson

PASSED:

YAY: NAY:

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

9976

Org. Est. # 016745
 RI Inspect Station 155C
 ralcotruck45@gmail.com

INVOICE

Date: 03/05/2019

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

2006 Pierce - Dash Fire Engine - Detroit
 Lic # : 2341 Odometer In : 95641
 Unit # : E3
 VIN # : 4P1CD01S1 5A005492
 Engine Hrs In : 9195.0 Engine Hours Out : 0.0

Part Description / Number	Qty	Sale	Ext	Labor Description	Ext
Cut Off Wheel 01989	1.00	11.93	11.93	Air leak in rear.	n/c
Roloc Disc 01408	1.00	9.81	9.81	Jack up rear axle and support. Inspect rear brakes, cans, liens and related. Found ABS modulator valve on left side leaking air excessive when brakes applied. Found rear brakes excessively out of adjustment due to slack adjusters not holding and brake chambers releasing slowly. Contact chief and video all findings.	
Steel Reinf Plate 2530060	2.00	8.97	17.94	Recommend replacement of rear brake chambers, slack adjusters, removal of rear wheels for brake inspection and both left and right ABS valves. Repairs were approved.	
Cap Screw Kit 8B38X175CK	6.00	2.28	13.68	Remove and replace ABS modulator valves with new updated units.	n/c
Welding Rod 6011	4.00	1.28	5.12	Disconnect electrical harness and retainers. Remove air lines and fittings to unit. Remove remains of rotted and corroded hardware.	
Cap Screw Kit 8B38X125CK	4.00	1.79	7.16	Remove valves. Locate new update replacement valves. Install on brackets and secure with new retainers. Transfer fittings and replace as needed. Reconnect air lines. Install adapter harness for update valve and plug into system. Insulate and secure all connections.	
ABS Modulator Valve Assy R950127	2.00	323.48	646.96	Remove and replace rear slack adjusters, pins, brake chambers. Remove wheels for brake inspection and to press off slack adjusters.	n/c
Adapter Harness 610449H	2.00	50.11	100.22	Remove wheels and tires as needed. Back off brakes and remove brake drums. Remove brake shoes, hardware and spring retainers.	
Cap Screw Kit 8B516X425CK	4.00	3.26	13.04	Remove air lines to each brake chamber. Cut push rod and remove chamber hardware. Remove chambers. Remove slack adjuster retainer snap rings and washers. Press slack adjuster off from s-cam using necessary tooling and access with brakes removed.	
HD Brs 90 Deg Street Elbow 38MP90SE	2.00	7.33	14.66	Clean all areas and dress s-cam shafts. Install new self adjusting slack adjusters. Shim with necessary shim kits and secure with new retainer rings. Install new 36-30 HD brake chambers upgrading from 30-30 style. Cut push rod to length and install new jam nut, yoke and retainers. Install and secure with new hardware. Transfer fittings for air lines. Reconnect air lines and replace one as needed.	
HD Brs 45 Comp Fitting 38MP4538CMP	2.00	9.27	18.54	Install new clevis and retainer pins. Lubricate all areas. Clean and inspect brake shoes and hardware. Found lining chipped and worn on inner edge with approx 50% life left. Contact chief and he came down to view. Due to the nature of the unit being a spare it was decided to re install these shoes and dress up as life left in all four.	
Nylon Air Tubing 3800NT	6.00	3.06	18.36	Clean and dress all shoe edges. Install shoes and lubricate all areas. Replace spring hardware where needed. Install brake drums, wheels and tires. Lubricate and threads and torque retainers. Adjust all brakes. Run unit and verify proper brake chamber operation, adjustment, and release. After all repairs complete, road test unit and verify repairs and heat temps.	
Full Comp Union 3838FCMP	2.00	10.71	21.42	Parking brake indicator in cab stay on all the time with parking brake on or off.	n/c
PROTECTIVE SPLIT LOOM 5-029	9.00	1.35	12.15		
VINYL INSUL CLAMP 3875IC	2.00	3.89	7.78		
Di Electric Cmpd DL4	1.00	6.47	6.47		
Auto Slack Adjuster R803056	1.00	135.59	135.59		
Auto Slack Adjuster R803057	1.00	135.59	135.59		
Snap Ring Shim Kit K629063	2.00	6.76	13.52		
Surf Cond Disc 7485	2.00	6.97	13.94		
30-36 HD Upgrade Brake Chamber	2.00	289.94	579.88		

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 Unit # : E3
 VIN # : 4P1CD01S1 **5A005492**
 Engine Hrs In : 9195.0 Engine Hours Out : 0.0

Part Description / Number	Qty	Sale	Ext	Labor Description	Ext
MA3036SD				Inspect and trace air liens to rear valve and indicator air switch.	
WASHER 8FW58F	4.00	2.91	11.64	Disconnect terminals and remove switch. Test and found unit in need of replacement. Install new updated switch and bushing.	
LOCK NUT 8SLN58C	4.00	3.87	15.48	Secure and seal. Install new eyelet terminals and secure wire harness to new switch. Insulate and secure all connections and cover with silicone sealer for extended life. Air up system and verify operation of parking brake indicator on and off with brake released and or applied.	
Jam Nut 61077	2.00	2.41	4.82		
HD Forged Steel Yoke w/ Pin Kit R810019	2.00	49.94	99.88	Locate air leak near parking brake valve in dash. n/c Disassemble dash and found parking brake valve leaking from center shaft. Remove retainers and yellow handle assembly.	
GRS Fitting 226-483	2.00	3.29	6.58	Remove air liens to rear of valve. Remove valve. Install new valve assembly and replace quick disconnect fittings with necessary compression fittings and 90 deg elbows for clearance. Seal and secure.	
GRS Fitting 90 229-501	2.00	4.01	8.02	Install valve retainers and reassemble dash covers. Install yellow handle and roll pin. Air up system and test operation of valve in all positions. CHeck for leaks none found.	
Rubber Flex Air Line 16318	1.00	17.43	17.43	Perform Cumberland Fire chassis lubrication per maintenance agreement. n/c	
Rubber Flex Air Line 16324	1.00	21.02	21.02	Jack up and support all axles during the course of the repairs. CHeck all chassis components and perform complete chassis lubrication during repairs.	
45 Deg Street Elbow 38MP45SE	2.00	8.36	16.72	NOTE: Rear spring pins hard taking grease, some will some will not. Remove fittings and spray penetrating lube on all areas to aid in lubrication.	
Air Hose Holder/Divider 11549	2.00	9.76	19.52	Labor Charge 2,142.38	
Roloc Disc 01406	2.00	11.73	23.46	Discount from shop labor rate of 108.50/hour to \$98.50/hour per usual for CFD. Repairs completed on Saturday at no additional charge.	
Brakeclean C32	2.00	6.32	12.64	Environmental Fee 15.95	
Brake Spring HDW Kit KIT9081HD	2.00	29.32	58.64		
Syn Slide Lube BK4	2.00	6.69	13.38		
Anti Seize 80078	1.00	9.36	9.36		
Lithoplex Press Lube PS24968	2.00	9.73	19.46		
Teflon Tape 06195	1.00	5.58	5.58		
Lectra Motive Cleaner 05018	1.00	7.58	7.58		
HD Air Switch (Parking Brake) BE13240	1.00	57.91	57.91		
Brass Reducer 25FMPX38MPT	2.00	4.96	9.92		

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 Unit # : E3
 VIN # : 4P1CD01S1 5A005492
 Engine Hrs In : 9195.0 Engine Hours Out : 0.0

Part Description / Number	Qty	Sale	Ext	Labor Description	Ext
Ring Terminal RT8	2.00	2.92	5.84		
Heat Shrink 91662	4.00	2.13	8.52		
Clear Sealer 80050	1.00	8.92	8.92		
SS Terminal Nut 5HN1032SS	4.00	0.97	3.88		
Air Control PP1 Valve (Dash) 284726	1.00	97.47	97.47		
BRS 90 Deg Street Elbow 18MP90E	2.00	5.88	11.76		
Brs Comp Fitting 18MPST38CMP	2.00	8.53	17.06		
Jam Support Nut 156278	1.00	9.55	9.55		
Shop Supplies			9.95		

Org. Estimate 4,574.08 Revisions 0.00 Current Estimate 4,574.08

Labor:	2,142.38
Parts:	2,415.75
HazMat:	15.95
SubTotal:	4,574.08
Tax:	0.00
Total:	4,574.08
Bal Due:	\$4,574.08

[Payments -]

Vehicle Received: 3/5/2019

Customer Number : 934

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 _____

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