

*PHIL REILLY & CO., INC. AUTO RESTORATION*

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5842 Paradise Dr.  
Corte Madera  
California 94925  
(415) 924-9022

To:  
For: Demler Spl. Indy car

January 16, 1997

LABOR:

Nov. 4 -	Meet with Quin Epperly and mark to line out scope of job, etc. (Phil) .....	N.C.
Nov. 3 -	Remove all body panels from car and take all fittings, etc., off body panel in preparation for stripping paint. (Phil) .....	2.9
Nov. 4 -	Start work stripping chassis. (Phil) .....	3.1
Dec. 31 -	Start disassembly work on chassis; remove all miscellaneous body fasteners, drain fluids; remove oil lines and exhaust header, etc; remove fuel tank and related parts. (Phil) .....	6.5
January 2 -	Continue with chassis disassembly work; remove front and rear suspension and axles, oil and fuel systems, radiator, etc. (Phil) .....	8.0
January 3 -	Finish disassembly of chassis and running gear; remove engine and gearbox, rear axle and all remaining components; start clean up and catalog of parts for magnaflux, repair, etc. (Phil) .....	<u>8.8</u>
	Total hours	29.30

1/16/97

To:  
For: Demler Spl. Indy car

LABOR II:

October 8 -	Travel to Palo Alto to pick up car and parts; return to Corte Madera; unload everything into shop. (Chris) .....	3.0
11/5; 12/12 -	Travel to Concord to deliver and pick up body work at paint stripping shop. (Chris) .....	3.0
January 6 -	Load up chassis and take to stripping shop in Concord; load back into truck and return to shop. (Chris) .....	<u>3.25</u>
	Total hours	9.25

SUBLET:

-	Strip paint from all body panels - Bay Auto Strip .....	\$ 972.00
-	Strip paint from chassis - Bay Auto Strip .....	<u>180.00</u>
		\$ 1,152.00

Labor: 29.30 hours @ \$65.00 per hour .....	\$ 1,904.50
Labor II: 9.25 hours @ \$45.00 per hour .....	416.25
Sublet: .....	<u>1,152.00</u>

Balance Due: \$ 3,472.75

YOU MAY DEDUCT \$ 95.00 if payment is received by 1/27/97

*PHIL REILLY & CO., INC. AUTO RESTORATION*

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5842 Paradise Dr.  
Corte Madera, CA 94925  
(415) 924-9022  
Fax (415) 924-4050

To:  
For: Demler Spl. Indy car

September 15, 1997

LABOR:

January 17 -	Reassemble body work on chassis and work out details for new oil tank and modifications to pedals, brakes, and body work. (Phil) .....	5.5
January 31 -	Deliver chassis and body to Quin Epperly in Paso Robles; go over drawings and photos and plan work to be done. (Phil) .....	8.0
Feb. 12 -	Finish disassembly of all parts to have old plating removed; start work on front and rear axles. (Phil) .....	3.0
March 3 -	Dismantle front axle including hubs; press out king pins, remove wheel studs, etc. Clean parts. (Lorenz) .....	2.75
	Work with Lorenz on front end disassembly. (Ivan) .....	.5
March 4 -	Finish cleaning front axle/hub parts; make up notes/drawings; move rear axle to work bench; remove rear hub and butterfly assemblies. (Lorenz) .....	3.5
	Remove rear hubs from axle housing with Lorenz. (Ivan) .....	1.0
June 16 -	Magnaflux parts. (Ross) .....	1.0
June 17 -	Weld and normalize minor crack in front axle; magnaflux all parts of chassis running gear; do preparation work for plating. (Phil) .....	<u>4.2</u>
	Total hours	29.45

To:  
For: Demler Spl.

LABOR II:

Feb. 12 -	Deliver chrome for plating in Oakland. (Chris) .....	.75
March 3 -	Pick up stripped parts at Cal Tech in Oakland, return to shop. (Chris) .....	1.0
April 10 -	Disassemble gearbox complete and document disassembly with photographs. (Chris) .....	3.0
April 11 -	Clean up all internal parts; store on shelf. (Chris) .....	1.0
June 19 -	Drop off all steel parts for cadmium plating in Oakland. (Chris) .....	<u>1.0</u>
	Total hours	6.75

PARTS:

1 -	Screw driver set .....	\$ 189.00
-	Consumable supplies & materials .....	<u>10.00</u>
		\$ 199.00
	7.25% Sales tax	<u>14.43</u>
		\$ 213.43

SUBLET:

-	Strip only 24 pieces miscellaneous hardware .....	\$ 192.00
-	Strip only exhaust header and large cowling @ \$45.00 ea .....	90.00
-	Strip only 4 steel pieces .....	90.00
-	One LARGE lot -- strip, polish and Cad I plate misc. hardware .....	<u>930.00</u>
		\$ 1,302.00

Labor: 29.45 hours @ \$65.00 per hour .....	\$ 1,914.25
Labor II: 6.75 hours @ \$45.00 per hour .....	303.75
Parts: .....	213.43
Sublet: .....	<u>1,302.00</u>

Balance Due: \$ 3,733.43

CREDIT: Credit balance on account 7,497.25

CREDIT BALANCE REMAINING ON ACCOUNT \$ 3,763.82



PHIL REILLY & CO., INC. AUTO RESTORATION

5842 Paradise Dr.  
Corte Madera, CA 94925  
(415) 924-9022  
Fax (415) 924-4050

To:  
For: Demler Special

October 1, 1997

LABOR:

Sept. 16 -	Strip out hubs and birdcages; remove seals and bearings; clean all parts and inspect; remove drive pins from drive flanges (pins frozen in). Mark parts for reassembly. (Ian) .....	8.0
Sept. 17 -	Pick up hub seals in Santa Rosa; call in another parts order; repack wheel bearings and fit outer seals in bearing. Photograph parts for plating and document. (Ian) .....	2.5
Sept. 18 -	Fit seals to rear hubs, fit bearings; strip discs from top hats; clean up top hats; polish out discs and prepare to paint inner sections. (Ian) .....	6.0
Sept. 19 -	Make up card board templates for painting brake rotors. (Lorenz) ....	.75
Sept. 30 -	Clean and refinish all brake disc hats; sort and inventory plating. (Phil) .....	2.2
	Assemble rear hubs, birdcages, etc. Cut screws to length for brake discs to top hats; fit drive pins to flanges. (Ian) .....	<u>7.0</u>
	Total hours	26.45

PARTS:

2 -	C-28035 rear hub seals @ \$15.25 ea .....	\$ 30.50
2 -	C-33645 rear hub seals @ \$21.88 ea .....	43.76
2 -	C-5865 oil seals @ \$10.95 ea .....	21.90
65 -	AN500-A416010 Fillister head screws @ .91¢ ea .....	59.15
-	Consumable supplies & materials .....	<u>20.00</u>
		\$ 175.31
	7.25% Sales tax	<u>12.71</u>
		\$ 188.02

10/1/97

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To:  
For: Demler Special

OTHER:

- Inbound freight - head screws .....	\$ 5.00
- Hazardous waste disposal .....	<u>10.00</u>
	\$ 15.00

SUBLET:

- 55 pieces miscellaneous hardware cadmium plating .....	<u>\$ 720.00</u>
	\$ 720.00

Labor: 26.45 hours @ \$65.00 per hour .....	\$ 1,719.25
Parts: .....	188.02
Other: .....	15.00
Sublet: .....	<u>720.00</u>

Balance:	\$ 2,642.27
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CREDIT BALANCE REMAINING ON ACCOUNT	<u>(\$ 3,763.82)</u>
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<u>REMAINING BALANCE ON ACCOUNT</u>	(\$1,121.55)
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117197 paid V H 6016

PHIL REILLY & CO., INC. AUTO RESTORATION

5842 Paradise Dr.  
Corte Madera, CA 94925  
(415) 924-9022  
Fax (415) 924-4050

To:  
For: Demler Special

November 1, 1997

LABOR:

October 22 -	Begin striping engine for inspection. (Ian) .....	2.5
October 23 -	Continue with engine teardown; fabricate engine turning bar. (Ian) .....	8.0
October 24 -	Rework block; file out weld repair, detail block. (Ian) .....	4.5
October 27 -	Clean all engine parts. (Ian) .....	5.0
October 28 -	Assemble front hubs. (Ian) .....	3.5
	Repair front spindle; cut new threads on spindle to retain wheel bearing; machine new ring nut for same. (Ross) .....	<u>3.5</u>
	Total hours	23.5

OTHER:

-	Outbound shipping - magneto out for repair including ins. ....	\$ 9.50
-	Outbound shipping - fuel injection out for repair including ins. ....	<u>7.50</u>
		\$ 10.00

Labor: 23.5 hours @ \$65.00 per hour .....	\$ 1,527.50
Other: .....	10.00
CREDIT REMAINING ON ACCOUNT: .....	<u>(1,121.55)</u>

Balance Due: \$ 415.95

YOU MAY DEDUCT \$ 76.00 if payment is received by 11/14/97

339.95

PHIL REILLY & CO., INC. AUTO RESTORATION

5842 Paradise Dr.  
Corte Madera, CA 94925  
(415) 924-9022  
Fax (415) 924-4050

To:  
For: Demler Special Indy car

November, 1997

LABOR:

Nov. 6 -	Disassemble front and rear brakes; fabricate tool to remove pistons; clean and inspect all parts; cut off ends of water pipes, bead end and weld to bends; detail. (Ian) .....	8.0
Nov. 7 -	Finish up water pipes. (Ian) .....	2.5
Nov. 14 -	Machine torch cut drag link to match original; machine tapers and finish with sander and file; polish for platers. (David) .....	3.5
Nov. 17 -	OFFY - Remove valve springs, valves and inlet guides; number parts; soak valves and springs in parts cleaner. (David) .....	2.0
Nov. 18 -	OFFY - Scrape, sand, wire brush, and use everything possible to remove thick carbon build up in cylinder block; clean in solvent and repeat until clean; bottle brush bores; scrape rust from water jackets; remove water jacket caps and plugs; wash and spray with WD-40 to protect. (David) .....	6.0
Nov. 19 -	OFFY - Finish scraping carbon from cylinder block; clean and dry; remove valve guides and number; clean valve springs and valves, wire wheel and grind valves. (David) .....	4.0
Dec. 4 -	OFFY - Measure valve stems, guides and engine block to order new guides. (David) .....	<u>1.25</u>
	Total hours	27.25

PARTS:

-	Consumable supplies & materials .....	\$ 14.50
	7.25% Sales tax	<u>1.05</u>
		\$ 15.50



12/17/97

Page 2

To:  
For: Demler Special Indy Car

OTHER:

- Inbound shipping - magneto returned .....	\$ 18.27
- Hazardous waste disposal .....	<u>5.00</u>
	\$ 23.27

SUBLET:

- Rebuild/recondition J. Hunt Magneto .....	<u>\$ 241.27</u>
	\$ 241.27

Labor: 27.25 hours @ \$65.00 per hour .....	\$ 1,771.25
Parts: .....	15.50
Other: .....	23.27
Sublet: .....	<u>241.27</u>
Balance Due:	\$ 2,051.29

YOU MAY DEDUCT \$ 88.00 if payment is received by 12/27/97

PHIL REILLY & CO., INC. AUTO RESTORATION

5842 Paradise Dr.  
Corte Madera, CA 94925  
(415) 924-9022  
Fax (415) 924-4050

To:  
For: Demler Spl.

January 16, 1998

LABOR:

Dec. 31 -	Remove masking from repairs made; remove cam gear tower; remove water pump and starter drive; remove front cover, oil pump and drive gear. Disassemble cam drive gear tower. (David) .....	4.0
January 2 -	Remove cam gears from bearings in gear tower; clean parts; magnaflux gears - all ok; clean covers, bearings, and gears; assemble gear tower; remove water pump cover; press off impeller and remove pump shaft and examine bearings and seals; clean parts and reassemble; remove oil pump and examine. Make a "map" of oil system. (David) .....	7.0
January 5 -	Make up a gasket for water pump; assemble oil pump and install in case; install oil pump drive gear; clean inside of case and crank; remove fittings from case for plating; bead blast water inlet pipes for plating. (David) .....	3.5
January 6 -	Continue to sort plating for engine; remove plugs from sump for plating; count water plate screws; order correct screws to replace allen bolts; clean parts; ready for plating. (David) .....	4.5
January 7 -	Make drawings of inlet and exhaust valve guides; rough turn sixteen guides from 642 bronze; drill and ream guides. Trim block spacer plate for better fit; punch hole to clear dowell pin; machine pin and trial fit block on case. (David) .....	6.0
January 8 -	Set up in lathe and turn new valve guides true to reamed holes; measure block bores and turn guides to fit; go to San Rafael and pick up liquid nitrogen to shrink guides; install guides; run reamer through guides; set up and start cutting valve seat angles; lap exhaust valves in. (David) .....	7.0
January 9 -	Machine pilot for cutting inlet valve seats; cut inlet seats; lap valves in seats; decide to enlarge exhaust guide bores; ream guides in place; check valve fit; wash block; check valve spring height and coil bind height. (David) .....	6.0
	Total hours this page	38.0

To:  
For: Demler Special

PARTS:

1 -	.020 piston ring set (8 Cylinder) .....	\$ 294.20
1 -	CR 13650 seal .....	5.60
6 -	Valve guide material (silicone bronze material) @ \$22.86 ea .....	137.16
5 -	Neway cutting blades (valve guides) @ \$12.59 ea .....	62.95
2 -	VR-1118B bronze valve guide reamers @ \$49.69 ea .....	99.38
16 -	2005 valve guide seals @ \$2.10 ea .....	33.60
-	Consumable supplies & materials .....	<u>15.00</u>
		\$ 647.89
	7.25% Sales tax	<u>46.97</u>
		\$ 694.86

OTHER:

-	Inbound shipping - valve guide tooling .....	<u>\$ 5.00</u>
		\$ 5.00

Labor: 38.0 hours @ \$65.00 per hour .....	\$ 2,470.00
Parts: .....	694.86
Other: .....	<u>5.00</u>

Balance Due: ~~\$3,169.86~~

YOU MAY DEDUCT \$ 123.00 if payment is received by 1/30/98

3046.86

1/26/99 paid ✓ # 7743

**INVOICE**

**QUINCY D. EPPERLY CO.**

2134 Tractor Street  
 PASO ROBLES, CA 93446  
 (805) 239-4638

JAN 26 1998

**NO. 1045**

DATE:

<b>SOLD TO</b>	PHIL REILLY & CO., INC.		CUST. ORDER NO.	DATE SHIPPED	
	5842 PARADISE DRIVE		SHIPPED VIA	TERMS	
	CORTE MADERA, CA. 94925		SALESMAN		
			F.O.B.	OUR ORDER NO.	
QTY. ORDERED	BO	QTY. SHIPPED	DESCRIPTION	UNIT PRICE	AMOUNT
			REPAIR WORK ON #99 DEMLER SPL.		5,850.00

*Thank You*



Offy En...

Description	Qty	Rate	Amount
To credit back labor per agreement: We billed 108.5 hrs @ 109.00 per hour We billed 36.5 hrs @ 106.00 per hour	-145	48.24138	-6,995.00
To credit back difference to reflect 145 hrs @ 60.00 per hour			

**Subtotal** \$-6,995.00

**Sales Tax (7.75%)** \$0.00

**Total** \$-6,995.00

**Invoices** \$0.00

**Balance Credit** \$-6,995.00

Credit No. 3790

9/22/2008

962081

Lance Brookshire  
5295 S. Linden Rd.  
Swartz Creek, MI 48473

**INVOICE**

SOLD TO		SHIPPED TO:	
ADDRESS:			
CITY, STA			
CUSTOMER'S ORDER	SALESPERSON	TERMS	VIA
			F.O.B
			DATE: 8-27-14

①	BENDIX-OFFY MAGNETO COMPLETE WITH COUPLER, WIRES, RAHAHS, FINGERS POST PAID	499-
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pd PAYPAL 8-27-14

~~THANKS~~  
ENJOY THE DEALER  
LANDE

PROBLEMS?  
MY CELL (810) 265 1882

TOTAL 499-

PHIL REILLY & CO., INC. AUTO RESTORATION

5842 Paradise Dr.  
Corte Madera, CA 94925  
(415) 924-9022  
Fax (415) 924-4050



To:  
For: Demler Spl. Indy car

February 19, 1998

LABOR:

January 14 -	Get all plating in order for engine and send ou; go thru remaining chassis components and prep parts for plating. (Phil) .....	3.0
January 19 -	Get valve stem seals and piston rings ordered; sort and inventory plating. (Phil) .....	2.2
January 28 -	Measure new piston rings; remove pistons from rods; set up in lathe and turn new oil ring grooves in pistons. (David) .....	2.0
	Total hours	7.2

PARTS:

12 -	RRN106 Spirolox @ \$2.34 ea .....	\$ 28.08
2 -	Englebert 600-18 tires @ \$281.81 ea .....	563.62
2 -	Englebert 600-18 flaps @ \$10.34 ea .....	20.68
2 -	Englebert 700-18 tires @ \$360.09 ea .....	720.18
2 -	Englebert 700-18 flaps @ \$10.34 ea .....	20.68
		\$ 1,353.24
	7.25% Sales tax	98.11
		\$ 1,451.35

OTHER:

-	Inbound shipping - fuel injection unit returned .....	\$ 16.50
		\$ 16.50

SUBLET:

-	Service and flow test injection unit with pump -- Hilborn .....	\$ 517.76
		\$ 517.76

2/19/98

Page 2

To:  
For: Demler Spl. Indy car

SUMMARY OF BILL

Labor: 7.2 hours @ \$65.00 per hour .....	\$ 468.00
Parts: .....	1,451.35
Other: .....	16.50
Sublet: .....	<u>517.76</u>

Balance Due: \$ 2,453.61

YOU MAY DEDUCT \$ 23.00 IF PAYMENT IS RECEIVED BY 2/28/98



PHIL REILLY & CO., INC. AUTO RESTORATION

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5842 Paradise Dr.  
Corte Madera, CA 94925  
(415) 924-9022  
Fax (415) 924-4050

To:  
For: Demler Indy Spl

April, 1998

LABOR:

April 3 -	Set rear axle in car; lay out parts; clean torsion bar bushings; remove rear cover on axle; drain gear oil. (Brian).....	4.0
	Work with Brian to start basic chassis assembly; sort out torsion bars, rear axle, linkage, etc. (Phil) .....	3.0
April 6 -	Clean and tape rear axle; install rear torsion bars; clean and polish all rod ends and mono ball bearing. (Brian) .....	7.0
April 7 -	Lap exhaust manifold flat; install on motor. (David) .....	1.0
April 8 -	Fit rear radius rods; clean rear axle; torque tube; fit rear shocks; install Jacobs ladder; install front hubs on axle; install axle, radius rods and front shocks. (Brian) .....	8.5
	Finish up motor for dyno testing; install oil return lines, water inlet line. (David) .....	1.0
April 9 -	Saw out motor plate for new engine; mount and fit suspension; fit front torsion bars. (Brian) .....	5.5
	Load and deliver engine to dyno shop for testing. (Duff) .....	1.75
April 10 -	Reassemble transmission; source parts. (Brian) .....	8.0
	Machine transmission input flange for new seal; machine four spacers for u-joint cups. (David) .....	1.0
April 13 -	Program and set up and cut bell housing register and opening for fuel pump in fire new motor plate; drill bolt holes for bell housing, etc. (Ross) .....	4.0
	Disassemble clutch and inspect plates. (Brian) .....	5.0
	Total hours this page	49.75

To:  
For: Demler Indy Spl.

## LABOR: continued

April 14 -	Finish and fit engine mounts; finish and fit firewall. Source parts for u-joint, etc. (Brian) .....	7.0
	Total hours this page	7.0
	Grand total of hours	56.75

## PARTS:

2' -	Dayco 74100 radiator hose @ \$10.91 per foot .....	\$ 21.82
1 -	17231 seal .....	7.45
1 -	208MNTN ball bearing .....	50.37
1 -	40 X 62 X 10 metric oil seal .....	11.76
1 -	BCA 2065 bearing .....	29.25
1 -	6061 aluminum plate .375 X 30 X 48 .....	283.50
4 -	Sets A42CM 919-1565 brake pads @ \$39.90 ea .....	159.60
		\$ 563.75
	7.25% Sales tax	40.87
		\$ 604.62

## OTHER:

-	Inbound shipping - brake calipers .....	\$ 25.50
-	Inbound shipping - brake pads .....	6.50
-	1 lot clear CAD plating .....	66.00
		\$ 98.00

## SUBLET:

-	Resleeve halibrand brake calipers .....	\$ 672.00
-	1 Lot chrome plating .....	288.00
		\$ 960.00

Labor:	56.75 hours @ \$65.00 per hour .....	\$ 3,688.75
Parts:	.....	604.62
Other:	.....	98.00
Sublet:	.....	960.00

Balance Due: \$ 5,351.37

YOU MAY DEDUCT \$ 184.00 if payment is received by 4/30/98

5167.37

PHIL REILLY & CO., INC. AUTO RESTORATION

5842 Paradise Dr.  
Corte Madera, CA 94925  
(415) 924-9022  
Fax (415) 924-4050

April 3, 1998

To:  
For: Demler Spl. Indy Car

LABOR:

March 4 -	Start on motor assembly; check coil bind on valve springs; install valves, springs, seals in cylinder block; set up block in mill to check spring loading and coil bind position; machine shims and install under each spring to set spring heights; measure parts for build sheet; check balance on rods and pistons. (David) .....	7.0
March 5 -	Measure rod journals; assemble rods and measure bore to check clearance; measure wrist pins and bushings; cut piston ring gaps; assemble pistons to rods; install rings; install piston/rod assemblies into block; clean crankshaft (already in motor case); ready to bolt block to case; install lower front cover, starter drive and water pump. (David) .....	8.0
March 6 -	Set up motor case on table; sling block from hoist; position gaskets; lower block onto case, feeding rods onto crank; torque rods to crank; lift block back up and apply sealant; lower block; install nuts and washers; torque block to case. (David) .....	4.5
March 7 -	Travel to Epperly's shop in Paso Robles and pick up frame and bodywork. (Phil) .....	N.C.
March 9 -	Disassemble Spicer joint; assemble gearbox to check wear marks; disassemble for crack check and cleaning. (Brian) .....	3.5
	Clean and install plugs and fittings in motor sump; assemble sump to motor; scotch brite water jacket side covers; install on block. (David) .....	3.0
March 10 -	Clean up water jacket side covers; install on block with new screws. (David) .....	2.0
March 11 -	Clean breather side cover, oil screens, and baffles; assemble; install assembly to motor. (David) .....	2.0
	Total hours this page	30.0



To:  
For: Demler Spl. Indy Car

## LABOR: continued

March 12 -	Do all finish work on frame prior to paint work; Grind off old weld spots; make bolt on brace for front of frame; add some tubes for cross bracing; take body off and stow away. (Alvin) .....	8.0
	Machine oil tube for gear tower; install and seal gear tower to motor; clean cam boxes; remove pipe plugs from ends of cam shafts; machine new plugs with oil squirt holes; clean cams and assemble; start on valve adjustment; install exhaust cam box; machine shaft same as cam sizes to use as a tool to get rough idea of valve lash; finish exhaust valve adjustment. (David) .....	8.0
March 13 -	Remove inlet cam and followers and file valve stems for proper clearance; install again and check clearance; repeat above until ok; install exhaust cam- find rear cap binds; scrape bearing; check with blue dye -- ok. Repeat removing, filing, installing until proper valve clearance is achieved. (David) .....	4.5
	Finish welding tubes in frame; weld headers. (Alvin) .....	4.0
	Load car into trailer and deliver to paint shop in Petaluma. (Brian & Alvin) .....	2.0
March 16 -	Set up dial gauge on motor to measure cam timing; check both cams and calculate lobe centers; adjust both cams to achieve correct and matching lobe centers; final assemble cam boxes, followers and cams; lock wire gears; install water jacket caps with new gaskets; install rear block cap and rear motor mount; install cam covers after cleaning. (David) .....	8.0
March 17 -	Measure seal in tachometer drive cover to order new one; install fuel pump; make gaskets for water inlet pipes; install pipes; measure unswept volume in cylinder; turn motor upside down to drain oil out of cylinder; calculate compression ratio; make temporary motor "feet" to set motor on table in "lay-down" position; clean and polish inlet horns; clean rubber connections and banjos; install on fuel injection unit; check unit fit on motor. (David) .....	7.0
March 18 -	Machine seven new inlet manifold studs (old ones too short); install studs; install inlet manifold; adjust linkage to clear motor; install fuel line; helicoil magneto base to repair stripped threads; trial fit magn; decide on spark plugs; gap plugs and install; install rear long bolts with nuts; install oil inlet/outlet casting. (David) .....	5.0
March 19 -	Magnaflux gearbox parts; install new seal in tachometer drive cover; install cover. (David) .....	<u>1.0</u>
	Total hours this page	47.50



To:  
For: Demler Spl. Indy Car

## LABOR: continued

March 20 -	Set static timing on magneto; test magneto on distributor machine to check for centrifugal advance. (David) .....	1.5
March 23 -	Remove flywheel; determine how to connect to dyno. (David) .....	1.0
March 27 -	Machine aluminum adapter "collar"; turn ID and OD; set up in mill and drill flywheel bolt pattern and dyno bolt pattern on collar; deburr; tap holes for dyno mount. (David) .....	2.0
March 30 -	Machine plug for temperature sender; attach flywheel adapter with shortened allen bolts. (David) .....	1.5
March 31 -	Bead blast brake calipers; ship to White Post inventory parts; ship for nickel plate. (Brian) .....	<u>1.0</u>
	Total hours this page	7.0
	Grand total of hours	84.50

## PARTS:

1 -	5-243X joint .....	\$ 34.89
1 -	C-7438 seal .....	6.01
1 -	C-16999 seal .....	12.63
1 -	C-15542 seal .....	8.96
8 -	1/2-20 X 2 1/2 socket cap screws @ \$1.43 ea .....	11.44
8 -	1/2-20 X 3 socket cap screws @ \$1.69 ea .....	13.52
1 -	17" steering wheel .....	231.00
2 -	63042SNR ball bearings @ \$14.38 ea .....	28.76
1 -	SNR1208G self aligning ball bearing .....	41.16
1 -	63072 ball bearing .....	<u>32.55</u>
		\$ 420.92
	7.25% Sales tax	<u>30.52</u>
		\$ 451.44

To:  
For: Demler Spl. Indy Car

OTHER:

- Inbound shipping - tires & tubes .....	\$ 65.82
- Outbound shipping - plating via RPS .....	7.00
- Outbound shipping - plating via UPS .....	6.75
- Outbound shipping - brake calipers via UPS.....	16.50
- Hotel expense - picking up car in Paso Robles .....	100.00
- Fuel expense - picking up car in Paso Robles .....	120.00
- Inbound shipping - steering wheel .....	<u>10.50</u>
	\$ 326.57

SUBLET:

- 1 lot strip, light buff and clear CAD I plating (tubes, flanges, angled brackets, etc.) .....	\$ 168.00
- 1 lot clear CAD I plating (hardware) .....	<u>108.00</u>
	\$ 276.00

Labor: 84.50 hours @ \$65.00 per hour .....	\$ 5,492.50
Parts: .....	451.44
Other: .....	326.57
Sublet: .....	<u>276.00</u>

Balance Due: \$ 6,546.51

YOU MAY DEDUCT \$ 274.00 if payment is received by 4/13/98

6272.51

PHIL REILLY & CO., INC. AUTO RESTORATION

5842 Paradise Dr.  
Corte Madera, CA 94925  
(415) 924-9022  
Fax (415) 924-4050

To:  
For: Demler Indy Car

May 4, 1998

LABOR:

April 15 -	Clean and reassemble clutch; measure bolts for new hardware on suspension; fit washers and arms to torsion bars; source paint for Monroe shocks. (Brian) .....	6.0
April 16 -	Source Dow 7 plating for treating wheels; fit jam nuts to suspension rods; polish brake lines; remove bearing from rear cover of rear axle; check for wear; replace paint cover. (Brian) .....	6.5
April 17 -	Fit brake lines; dismount tires; cut out plates for brake master/pedal mount; source Dow 7 plating; disassemble brake master cylinder and locate rebuild kit. (Brian) .....	7.0
April 20 -	Polish radiator; fit mounting rubber for radiator; polish mounting strap; weld brake mount brackets; drill firewall plate for brake master and throttle linkage; layout holes for oil lines and breather. (Brian) .....	7.0
April 21 -	Install radiator; bore oil lines holes in firewall; paint front shocks; rebuild master cylinder. (Brian) .....	6.5
April 22 -	Put plated stops on rear torsion bars; make brake line to master cylinder; strip CAD plating from nuts and bolts. (Brian) .....	4.0
April 24 -	Unpack nose from Quin; fit to car and dzus fasteners, etc; make and rivit nose doubler piece; trim radiator box to fit nose. (Brian) .....	4.5
April 27 -	Replace various broken dzus springs; fit support mount for hood and cowling; drill dzus counters in nose. (Brian) .....	6.5
April 28 -	Set all body panels on car to fit left side louvered panel and nose; make dzus punch. (Brian) .....	8.0
	Repair bad dzus button holes; cut top rear edge of nose back to clear hood; fabricate panels in front of front axle. Assist Brian with fabricating louvered panel on left side ahead of rear axle. (Chuck) .....	7.5
Total hours this page		63.50



To:  
For: Demler Indy Car

## LABOR: continued

April 29 -	Drive to dyno shop in Petaluma; dyno test motor; bring motor back to shop and unload. (David) .....	8.0
	Final assembly on rear axle; fit new gear set; strip CAD from hardware; install gearbox; disassemble new u-joint from yoke; clean, pack with grease; call on new cups to match cross; fit shims on torque tube arms. (Brian) .....	8.0
April 30 -	Replace torque tube seal; remove bearing in torque tube; order new; magnaflux yokes, collar and drive shaft; install linkage for throttle. (Brian) .....	7.5
	Total hours this page	23.5
	Grand total of hours	87.0

## PARTS:

2 -	7959 Aerosol @ \$6.43 ea .....	\$ 12.86
1 -	EISM3 master cylinder kit .....	25.29
1 -	A26FT gear set .....	83.93
1 -	Piece exhaust (dyno set up) .....	35.00
12 -	Quarts oil - dyno test @ \$2.00 ea .....	24.00
20 -	Gallons alcohol fuel - dyno test @ \$2.50 ea .....	50.00
5 -	100PL-6 shock mounts @ \$8.10 ea .....	<u>40.50</u>
		\$ 271.58
	7.25% Sales tax	<u>19.69</u>
		\$ 291.27

## OTHER:

-	Inbound shipping - gear set .....	<u>\$ 8.00</u>
		\$ 8.00

## SUBLET:

-	15 pieces - Clear Cad plate .....	\$ 153.00
-	Dyno test - Crowther Racing.....	<u>1,116.00</u>
		\$ 1,269.00



5/4/98

Page 3

To:  
For: Demler Indy Car Spl.

SUMMARY OF BILL

Labor: 87.0 hours @ \$65.00 per hour .....	\$ 5,655.00
Parts: .....	291.27
Other: .....	8.00
Sublet: .....	<u>1,269.00</u>

Balance Due: \$ 7,223.27

YOU MAY DEDUCT \$ 283.00 IF PAYMENT IS RECEIVED BY 5/19/98

6940.27

PHIL REILLY & CO., INC. AUTO RESTORATION

5842 Paradise Dr.  
Corte Madera, CA 94925  
(415) 924-9022  
Fax (415) 924-4050

To:  
For: Demler Indy Car

May 29, 1998

LABOR:

May 1 -	Set up wheels in lathe and polish rims. (David) .....	1.5
	Install Lord mounts for dash; install throttle pedal; install plated clutch pedal; install transmission. (Brian) .....	5.0
May 4 -	Remove flywheel adapter, flywheel; remove rear seal ring; remove seal; clean oil from rear of motor; remove magneto; remove drive to replace seal. (David) .....	2.0
	Install torque tube and drive shaft; install rear brake rotors and right rear brake caliper; deliver wheels to plater for Dow treatment. (Brian) .....	8.0
May 5 -	Install new seal in mag drive; install drive and magneto. (David) .....	1.0
	Assemble and install rear calipers; install brake hoses; make brake lines from tees to left front and left rear calipers; safety wire rear rotors and hats. (Brian) .....	7.0
May 6 -	Install clutch; clean bondo from fuel tank; source new steering hub; order new pilot bearing. (Brian) .....	4.0
	Install new rear seal in seal flange; bolt on flange with sealant; install flywheel and torque bolts; lockwire bolts; remove exhaust manifold to install motor. (David) .....	2.5
May 7 -	Rebuild fuel valve / disassemble fuel filter; cut mounting tube and fit fuel tank; clean inside tank and seal for pressure test. (Brian) .....	6.5
	Set up replacement brake caliper in mill and machine bleed hole and feed hole to convert to an opposite hand of the one we have; machine aluminum plugs and install in hold holes; surface sealing areas; machine spacer washers for front suspension; braze up holes in steering hub; drill to fit new steering wheel; bead blast and paint hub. (David) .....	5.0
May 8 -	Drill fire wall for fuel pump cover plates; remove transmission input shaft to repair wear; replace; install new hardware and shims on front suspension. (Brian) .....	5.5
	Total hours this page	48.0

To:  
For: Demler Indy Car

## LABOR: continued

May 8 -	Help Brian with front suspension spacers and bolts; paint front brake calipers; assemble pistons and parts; assemble calipers; figure out rear caliper set up. (David) .....	4.0
May 9 -	Drill firewall for head mount bolts; install engine. (Brian) .....	5.0
May 11 -	Fabricate brake pedal foot pad; remove pedal from new hardware; drill bolts for cotter pins; safety wire front uprights. (Brian) .....	6.0
	Machine clamp to support steering box to dash. (David) .....	2.5
May 12 -	Machine new pieces for throttle linkage bar; shorten pivot shaft over gas pedal to line up linkage; trial assemble linkage to get full throttle movement. (David) .....	4.0
	Bleed brakes; disassemble fuel filter; repair corrosion, etc. (Brian) .....	3.5
May 13 -	Design new adapter to replace broken flange on fuel pump; rough out adapter. (David) .....	1.5
May 14 -	Turn fuel pump in lathe for adapter; machine adapter with clamp in lathe and mill; drill and tap for clamp screw; drill mounting holes; mill countersinks for mounting nuts; trial fit to car. (David) .....	5.0
May 18 -	Machine die for special ball joint washers; machine oil o-ring groove in fuel pump. (David) .....	2.0
May 19 -	Repair header tank; pressure test tank; source coolant hoses; prepare parts for plating; drill and finish suspension washers. (Brian) .....	5.0
	Press special ball joint washers for suspension in die; install seal and bearings in fuel pump; assemble rotor and cover; finish assemble fuel pump; machine new adapter to match cam cover; install adapter to motor; install fuel pump; clean up pump sheet metal cover; trial fit around pump; notch fire wall to clear pump. (David) .....	6.5
May 20 -	Install start-cart batteries; make up series cable; repair solenoid on starter, etc. (Brian) .....	4.0
	Total hours this page	49.0



To:  
For: Demler Indy Car

## LABOR:

May 20 -	Drill hole in firewall for tachometer drive; make template for new dash; trim for fit; remove dash mounting tab to move away from knee area; make new tab for Alvin to weld on; cut out new dash; trial fit; bore holes for gauges and kill switch; deburr; clean dash; paint dash with wrinkle finish paint; paint gauge bezels; clean faces; try to repair broken fuel pressure gauge glass -- no good; order new glass. (David) .....	6.0
May 21 -	Plan rear bumper fabrication; locate and drill hole in body for left side bumper bolt. (Chuck) .....	1.0
	Fabricate fuel filter bracket; sort oil lines; modify oil tank; sort location of oil filter, etc. (Brian) .....	4.0
	Figure oil tank and filter replacement with Brian; machine original oil line fittings to fit AN fittings (8 total); install oil lines from motor to firewall; machine breather cap for transmission; pressure test fuel tank. (David) .....	6.0
May 22 -	Make cardboard rear bumper template, transfer to steel template; pack tube with sand, heat and bend to shape, trim ends, tack to mounting tubes. (Chuck) .....	7.0
	Pick up wheels from plater; fabricate oil tank strap; make up oil lines; final sealing and install of hardware on fuel tank. (Brian) .....	7.0
	Machine fittings for oil tank; make rubber spacers for tank; rivet strap together; paint; glue rubber pad to strap; trial fit tank with strap; run oil lines to oil filter and tank with Brian; make various spacers and threaded collars to mount filter, etc. Install cam oil return lines. (David) .....	6.0
	Total hours this page	37.0
	Grand total of hours	134.0



To:  
For: Demler Indy Car

## PARTS:

6 -	-327 Buna N o-rings @ .57¢ ea .....	\$ 3.42
6 -	-225 Buna N o-rings @ .52¢ ea .....	3.12
6 -	-210 Buna N o-rings @ .20¢ ea .....	1.20
1 -	60082RS ball bearing - driveshaft carrier .....	45.56
4 -	EISSP192 brake hoses @ \$37.23 ea .....	148.92
-	selection of hex bolts hardware .....	205.81
2 -	Paks 94820A240 cad plate steel lock nuts @ \$14.28 ea .....	28.56
1 -	63042RS ball bearing .....	28.15
1 -	Aircraft quality, screen type filter .....	189.56
1 -	Oil tank - J. Weeks .....	350.00
1 -	Dayco 81011 hose .....	11.99
1 -	Dayco 81071 radiator hose .....	12.79
2 -	A07 Delco batteries @ \$101.09 ea .....	202.18
58 -	Fillister head screws @ .32¢ ea .....	18.56
100 -	Flat washers @ .15¢ ea .....	15.00
50 -	Dzus fasteners @ \$1.37 ea .....	68.50
3' -	Dayco 74100 hose @ \$10.91 per foot .....	32.73
1' -	Dayco 81051 radiator hose .....	12.49
1' -	Dayco 81061 radiator hose .....	12.73
6 -	4707-8 Aeroquip fittings @ \$5.03 ea .....	15.09
1 -	2021-8 Aeroquip fitting .....	2.39
1 -	2021-12-8 Aeroquip fitting .....	4.70
2 -	2" flat cut glass (for gauges) @ \$6.57 ea .....	13.14
-	Consumable supplies & materials .....	<u>20.00</u>

\$ 1,446.59

7.25% Sales tax

104.88

\$ 1,551.47

## OTHER:

-	Inbound shipping - aircraft filter .....	\$ 5.00
-	Inbound freight - oil tank via UPS RED .....	<u>57.00</u>

\$ 62.00

## SUBLET:

-	Balance on paint work - Anderson's Auto Body .....	\$ 1,671.00
-	1 lot miscellaneous hardware cad I plated .....	56.00
-	4 wheels plated @ \$96.00 ea .....	384.00
-	Balance payment on graphics work .....	<u>1,250.00</u>

\$ 3,361.00

5/29/98

Page 5

To:  
For: Demler Indy Car

SUMMARY OF BILL

Labor: 134.0 hours @ \$72.00 per hour .....	\$ 9,648.00
Parts: .....	1,551.47
Other: .....	62.00
Sublet: .....	<u>3,361.00</u>

Balance Due: \$ 14,622.47

YOU MAY DEDUCT \$ 482.00 if payment is received by 6/12/98

14,140.47

PHIL REILLY & CO., INC. AUTO RESTORATION

---

5842 Paradise Dr.  
Corte Madera, CA 94925  
(415) 924-9022  
Fax (415) 924-4050

To:  
For: Demler Indy Car

June 8, 1998

LABOR:

May 26 -	Install throttle linkage; make bracket for return spring; install spring. (David) .....	1.5
	Finish work on new rear bumper; make all mounts and prepare for plating. (Alvin) .....	6.0
	Fill transmission and rear axle with oil; install plated brake pedal; bleed brakes; install coolant hoses. (Brian) .....	8.0
May 27 -	Machine spacers for front brake caliper; mount calipers; shorten nuts; final assemble calipers to spindles; clean wheels; spray with Crystal Cote spray coating; find that right front caliper rubs on wheel; file and grind caliper to clear; repaint caliper; make up and install fuel suction and return lines; shorten two 1/2" bolts for front suspension. (David) .....	6.0
	Begin fabrication of new grill. (Alvin - 5.5) .....	N.C.
	Install plated large OD washers on suspension; cotter pin and safety wire suspension; install roll over cut-off valve/breather on fuel tank; install headers and exhaust pipes; safety wire same; make hanger strap for mid-point of exhaust pipes. (Brian) .....	8.0
May 28 -	Complete fabrication of grill; help start up car. (Alvin) .....	8.0
	Bead blast and paint starter shaft support; fit tail fin; make pattern for windscreen. (Duff) .....	3.0
	Machine bezel for oil pressure gauge; install new glass; install gauges in dash; install dash in car; drill firewall for oil line; route water temperature line; wire in on/off magn switch; start up engine; check fuel system, etc. (David) .....	5.0
	Mount tires on wheels; safety wire left rear brake rotor; install AN bolts on front engine mount; make up and install two oil lines; remove oil tank; paint chassis tube under dash and tank mount. Fit upholstery apron; mark off for snap replacement. (Brian) .....	8.0
	Total hours this page	53.5



To:  
For: Demler Indy Car

## LABOR: continued

May 29 -	Make dzus brackets and fire extinguisher bracket. (Alvin - 7.0) .....	N.C.
	Fine tune throttle linkage for best motion; make plate with limit pin for fuel off/on valve; paint plate; use indicator to find TDC on motor; mark flywheel to line up with timing cover on gearbox; install hood and hinge; make up fuel tank vent with fittings; install; mount steering wheel to flange; drill bolts for lock wire. (David) .....	6.0
	Replace oil tank; fill with oil; fill cooling system with water; fill tank with five gallons alcohol fuel; assist with making of windscreens; install seat belts; set car on ground; run engine; check for leaks; install engine and rear axle catch bottles; make hose for oil tank breather; fit body work; install snaps on bodywork. (Brian) .....	8.0
May 30 -	Set ride height, toe in, wheel base; align steering wheel; safety wire same; adjust brake pedal. (Brian) .....	4.0
June 1 -	Install windscreen; help Brian with interior pieces; install fire extinguisher; load into trailer; drive to Ukiah Speedway; run car and return. (David - 8.0) .....	N.C.
	Install Zerk fittings; lubricate chassis; fit snaps on body work; load car into trailer; drive to Ukiah Speedway to run car; reload car and return to shop after test session. (Brian - 8.0) .....	N.C.
June 2 -	Go over check list for items to take and final repairs to car; repair tachometer mount; machine baffle plate for brake master cylinder cap; check steering box for leaks; tighten bolts, start car; adjust idle; check timing; flush fuel system with gas/oil mixture; remove batteries from car; remove "foot" from starter; package starter together for shipment; bleed brakes with Brian; discover leak in left caliper; disassemble and clean -- still leaks; try gluing faces on caliper -- still leaks; remove and disassemble caliper; clean; machine aluminum spacers to simulate rotor and pads; try with air pressure to find leaks; casting leaks! Cannot repair; disable left caliper. (David) .....	<u>10.0</u>
	Total hours this page	28.0



To:  
For: Demler Indy Car

## LABOR:

June 2 -	Remove cowl to set idle; flush alcohol from system with gasoline; retorque rear axle; tighten fuel tank fitting; bleed brakes; find source of brake fluidleak on left rear caliper; load tools and spares for trip to England; replace cowl; check all nuts and bolts on steering and suspension. Remove old foam from seat and sew back up; install dzus plates on chassis and right side panel. (Brian) .....	8.0
Other:	.....	\$ 150.00
June 3 -	Load car and gear in trailer; drive to Lufthansa Cargo at SF Airport;	
Balance Due:	unload car onto shipping palet; return to shop. (David & Brian) .....	\$ 150.00
	Total hours this page	12.0
	Grand total of hours	93.50

## PARTS:

2 -	Catch bottles @ \$14.25 ea .....	\$ 28.50
1 -	1/8" X 30" X 72" clear plastic - windscreen .....	73.19
1 -	29034 seat belts .....	72.73
1 -	72-G822-10D -10 to 1/2" NPT 90° adapter .....	19.98
2 -	72G822-08-08D -18 to 1/2" NPT 90° adapters @ \$19.33 ea .....	38.66
1 -	72-G822-12D -12 to 3/4" NPT 90° adapter .....	26.74
1 -	72-G816 12D -12 to 3/4" NPT straight adapter .....	11.28
2 -	Englebert 600-16 tires @ \$281.81 ea .....	563.62
2 -	600-16 tubes @ \$36.26 ea .....	72.52
5 -	Gallons alcohol fuel @ \$2.50 ea .....	12.50
1 -	Bottle Bars leak .....	5.00
1 -	Fire extinguisher .....	45.93
14 -	Quarts Kendall 20/50 motor oil @ \$2.80 ea .....	39.20
3 -	Quarts 140W gear oil @ \$6.50 .....	19.50
4 -	1525 Aeroquip hose @ \$1.10 ea .....	4.40
1 -	NTW 6304 pilot bearing .....	21.28
1 -	5-243X Spicer u-joint .....	48.68
-	CREDIT: 2 600-18 tires @ \$281.81 ea .....	( 563.62)
-	CREDIT: 2 600-18 flaps @ \$10.34 ea .....	( 20.68)
-	Consumable materials & supplies .....	<u>30.00</u>
		\$ 549.81
	7.25% Sales Tax	<u>39.86</u>
		\$ 589.67

6/8/98

Page 4

To:  
For: Demler Indy Car

OTHER:

- Transporter fuel - to/from Ukiah Speedway .....	\$ 49.00
- Inbound shipping - seat belts .....	<u>3.75</u>
	\$ 52.75

SUBLET:

- Shampoo and clean upholstery .....	\$ 36.00
- Chrome plate 2 bumpers, 2 jack points w/ hardware .....	<u>300.00</u>
	\$ 336.00

Labor: 93.5 hours @ \$65.00 per hour .....	\$ 6,077.50
Parts: .....	589.67
Other: .....	52.75
Sublet: .....	<u>336.00</u>

Balance Due: \$ 7,055.92

YOU MAY DEDUCT \$ 303.00 IF PAYMENT IS RECEIVED BY 6/22/98

PHIL REILLY & CO., INC. AUTO RESTORATION

5842 Paradise Dr.  
Corte Madera, CA 94925  
(415) 924-9022  
Fax (415) 924-4050

To:  
For: Demler Indy Car

August 25, 1998

LABOR:

June 24 -	Travel to airport to pick up Demler from Lufthansa cargo. (Duff) .....	4.0
June 25 -	Car up, wheels off; major clean up after Goodwood event. (David) .....	3.0
July 6 -	Remove left rear brake caliper and ship to White Post Restorations in Virginia. (Brian) .....	1.0
July 15 -	Investigate oil leak in torque tube; install left rear brake caliper; bleed brakes; remove caliper; pressure test to find leaks; repair with Loctite. (Brian) .....	7.0
	Remove steering wheel, drag link, upper body piece; remove steering box; disassemble box; clean parts; set up lower cover in lathe and surface flat to stop leak; adjust box; reassemble and install in car; heat up Penrite oil and fill steering box; install steering wheel and drag link; help Brian with brake caliper; decide to try to repair caliper with Loctite. (David).....	6.0
July 16 -	Pressure test caliper and mount on car; seal caliper off; bleed brakes. Detail car prior to photo shoot; purge fuel system; run car. (Brian) .....	6.0
	Clean up excess Loctite from repaired; rear brake caliper; drill cross holes and fitting holes through loctite in caliper; machine two new pistons for caliper; assemble caliper and test on car -- still leaks! Bypass caliper for Ukiah test/photo session; clean up car and run. (David) .....	5.0
July 17 -	Transport car to Ukiah Speedway for photo shoot; run car, etc. Reload car into trailer and return to shop, unload. (Brian/David) .....	8.0
July 20 -	Place car on scales and adjust weight bias as necessary. (Brian) .....	4.5
July 24 -	Remove rear axle and torque tube rear cover of transmission in order to fix oil leak. Outline Firestone lettering for stencils. (Brian) .....	7.0
July 29 -	Disassemble new caliper; paint and reassemble. (Brian) .....	1.5
	Total hours this page	53.0



To:  
For: Demler Indy Car

## LABOR: continued

August 3 -	Install new seal in transmission housing; reassemble gearbox; torque tube; rear suspension. Install electric pump on start cart. Measure fuel bladder; make up sketch and send to ATL.(Brian) .....	7.5
August 4 -	Work with Brian on oil leak in gearbox; tune up u-joint (polish) and check for runout; machine washer to hold assembly together; machine tool to install oil seal; cut lead chamfer in housing. (Ross) .....	1.5
	Install new caliper; bleed brakes. (Brian) .....	2.0
August 5 -	Balance wheels; tape up panel on right front; relieve corner to prevent vibration. (Brian) .....	1.5
August 8-9 -	Provide personnel and support for HMSA "Pre-Historics". (Time equal to \$250 per day). (Reilly & Co) .....	11.0
August 13-16	Provide personnel and support for HMSA "Historics". (Time equal to \$250 per day). (Reilly & Co) .....	<u>15.0</u>
	Total hours this page	38.50
	Grand total of hours	91.50

## PARTS:

-	Final decals - W. Percell .....	\$ 450.00
1 -	Hastings GF3 fuel filter .....	6.59
1 -	Facet PRO-12SV fuel pump .....	57.99
4 -	Brake calipers @ \$280.00 ea .....	1,120.00
3 -	Pints Ford brake fluid @ \$6.50 ea .....	19.50
4 -	Champion C55R spark plugs @ \$5.70 ea .....	22.80
4 -	Champion C59R spark plugs @ \$5.70 ea .....	22.80
1 -	168283TL TCM seal.....	25.33
1 -	Custom fuel bladder suitable for methanol use .....	959.00
1 -	9171132 pro gear.....	83.93
1 -	9171109 pro gear .....	83.93
-	Consumable supplies & materials .....	<u>15.00</u>
		\$ 2,866.87
	7.25% Sales tax	<u>207.85</u>
		\$ 3,074.72



OTHER:

-	Outbound shipping - caliper to VA via UPS Blue Label .....	\$ 16.00
-	Tow vehicle fuel - B. Auda shoot, 7/17/98 .....	25.00
-	Inbound shipping - spark plugs via blue label .....	8.50
-	Inbound shipping - fuel bladder .....	40.00
-	Inbound shipping - gears .....	30.00
-	Per diem - 2 mechanics @ Pre-Historics (2 days @ \$30 per man) .....	120.00
-	Per diem - 2 mechanics @ Historics (4 days @ \$30 per man) .....	240.00
-	Loding - travel: 6 nights, 2 mechanics @ \$65 per night each .....	<u>780.00</u>
		\$ 1,259.50

Labor: 91.50 hours @ \$72.00 per hour .....	\$ 6,588.00
Parts: .....	3,074.72
Other: .....	<u>1,259.50</u>

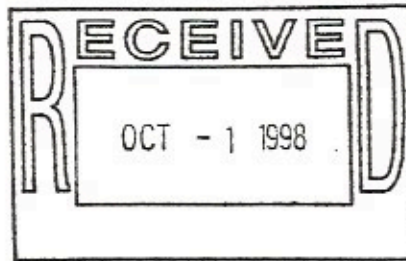
Balance Due: \$ 10,922.22

YOU MAY DEDUCT \$ 329.00 IF PAYMENT IS RECEIVED BY September 7, 1998

{ 329.00 }  
10,593.22

*PHIL REILLY & CO., INC. AUTO RESTORATION*

5842 Paradise Dr.  
Corte Madera, CA 94925  
(415) 924-9022  
Fax (415) 924-4050



To:  
For: Demler Indy Car

September 30, 1998

LABOR:

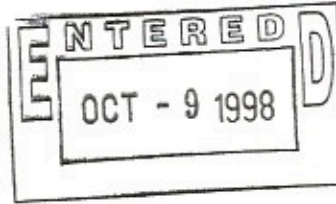
August 25 -	Remove and replace Firestones and Engleberts. (Brian) .....	1.5
August 26 -	Mount Firestone tires. (Brian) .....	1.5
August 27 -	Install new torsion bars; machine washers for bars. (Brian) .....	6.0
	Help Brian with various suspension pieces as needed. (David) .....	.5
August 28-30	Transport to and from Los Angeles; present car at Gilmore Reunion party. (Phil & Brian) .....	N.C.
Sept. 4 -	Measure car for new car cover; make up drawing and send off to manufacturer. (David) .....	1.5
Sept. 14 -	Measure rear shocks for travel. (Brian) .....	1.0
Sept. 15 -	Remove rear shocks; measure ride height; raise riode height; adjust mount for left shock; fabricate mount for right shock adjustment; measure bars; draw up fax for new bars. (Brian) .....	5.0
Sept. 16 -	Complete fabrication of mount for shock. (Brian) .....	<u>2.0</u>
	Total hours	19.0

MACHINE SHOP LABOR:

August 26 -	Machine six bushings for torsion bars; smooth out journals on bars. (David) .....	2.0
August 27 -	Rework torsion bars; neck down splines to allow arms to be installed further; shroten bars; remark as necessary. (Ross) .....	<u>1.0</u>
	Total hours	3.0

9/30/98

✓ ✓



To:  
For: Demler Indy Car

PARTS:

4 - Torsion bars @ \$140.00 ea .....	\$ 560.00
1 - Specialized Design car cover .....	375.00
1 - Special u-joint with flanges .....	<u>369.00</u>
	\$ 1,304.00
7.25% Sales tax	<u>94.54</u>
	\$ 1,398.54

OTHER:

- Inbound shipping - torsion bars .....	\$ 12.50
- Transporter fuel - Gilmore reunion, round trip .....	155.47
- Hotel expense - Gilmore reunion - 1 mechanic, 2 nights .....	<u>150.00</u>
	\$ 317.97

SUBLET:

- Repair magneto: scope check; remove and replace condensor helicoil mounting base; test unit .....	<u>\$ 62.62</u>
	\$ 62.62

Labor: 19.0 hours @ \$72.00 per hour .....	\$ 1,368.00
Machine Shop Labor: 3.0 hours @ \$80.00 per hour .....	240.00
Parts: .....	1,398.54
Other: .....	317.97
Sublet: .....	<u>62.62</u>

Balance Due: \$ 3,387.13

YOU MAY DEDUCT \$ 80.00 IF PAYMENT IS RECEIVED BY 10/12/98

< 80.00 >  
3307.13



PHIL REILLY & CO., INC. AUTO RESTORATION

5842 Paradise Dr.  
Corte Madera, CA 94925  
(415) 924-9022  
Fax (415) 924-4050

To:  
For: Demler Spl. Indy Car

November 5, 1998

LABOR:

October 8 -	Remove remaining fuel from tank; remove fuel cap assembly; remove access plates, drain fitting and all other fittings on tank; remove tank liner; vacuum out tank and remove old tape used on tank joints; retape edges; fold and fit new fuel cell into tank for trial fit. (David) .....	5.0
October 9 -	Cut access holes above bulkhead in fuel tank to access fuel line fittings; cut new adapter plate and tank plate out of aluminum; lay out fuel filler design on plate. (David) .....	3.0
October 12 -	Weld new fuel filler tube sections. Weld fuel filler tube to fuel cell plate, straighten plate. (Chuck) .....	.75
	Bore holes in filler adapter plate; fit new filler ring with cap to adapter plate; drill mounting holes; drill mounting holes in tank plate; figure new fuel line routings; cut out oval hole to fit filler tube; cut tube to match; cut angle in tube to match filler plate; bead filler for hose. (David) .....	7.0
October 14 -	Sand blast and paint second set of wheels. (Alvin) .....	4.0
October 19 -	Trial assemble new fuel plate and filler plate to check alignment; cut hose to connect filler; assemble new fittings to fuel plate; make up fuel lines to go into tank; install fittings in old fuel tank bulkhead; attach new filler plate with pick up tubes to fuel cell. (David) .....	8.0
October 20 -	Run fuel lines from old tank fuel bulkhead to new fuel cell plate; run vent line; run over-spill line to old fuel tank drain; install new filler with old cover; make cell support plate and install in back of fuel cell. (David) .....	5.0
	Total hours this page	32.75

To:  
For: Demler Spl.

## LABOR: continued

October 23 -	Remove cowl, fuel cell, rear bars, drive shaft and torque tube. (Brian) .....	3.0
October 26 -	Mount four wheels with Englebert tires; install new front bars; make shim washers; remove and clean fuel filter; check capacity of fuel cell; remove belly pans, change oil. (Brian) .....	8.0
October 27-	Balance wheels; lubricate chassis; reinstall torque tube, driveshaft and rear end; fill rear end with oil; install new rear bars and shim; align rear end; install fuel cell and breather line; remove fuel pump; install in-line fuel filter. (Brian) .....	8.0
	Disassemble and inspect fuel pump; clean, reassemble, mount to car; reassemble fuel filter, mount and plumb; install seal in driveline torque tube; assist Brian with assembly of driveline; fabricate lead wheel weights for rear wheel balance studs; shorten miscellaneous nuts for cosmetic appearance. (Zeke) .....	3.75
October 28 -	Fill car with fuel; set ride height; bleed brakes; run car; check for leaks; drain fuel; detail body work. (Brian) .....	6.0
	Refill fuel tank; check valve seat; install on car and test; start car. (David) .....	1.0
October 29 -	Load trailer including fuel drum, starter cart, tires, car, etc. for trip to Fontana. (Zeke/Brian) .....	4.0
Oct 31-Nov 1	Transport and attend to car at Fontana event. (Time equivalent to \$450/day - 3 1/2 days) .....	23.0
Nov. 2 -	Unload trailer from Fontana trip. (Brian) .....	<u>3.0</u>
	Total hours this page	59.75
	Grand total of hours	92.50

## MACHINE SHOP LABOR:

October 15 -	Machine up vent tube for fuel filler; machine brackets to hold tube. (David) .....	2.0
October 27 -	Machine differential drive shaft coupling (rear) to accept lip seal. (Ross) .....	<u>1.25</u>
	Total hours	3.25



To:  
For: Demler Spl.

## PARTS:

10'	1525-8 hose @ \$3.67 ea .....	\$ 36.70
15'	1525-6 hose @ \$3.32 ea .....	49.80
3	2042-6 adapters @ \$14.57 ea .....	43.71
1	2042-8 adapter .....	19.75
2	2041-6 adapters @ \$4.20 ea .....	8.40
1	2041-8 adapter .....	5.26
9	4741-6B fittings @ \$2.66 ea .....	23.94
4	4797-8B fittings @ \$4.10 ea .....	16.40
4	Torsion bars @ \$140.00 ea .....	560.00
1	C-17231 C/R seal .....	7.45
2	Monroe decals @ \$8.50 ea .....	17.00
2	Bowes decals @ \$9.50 ea .....	19.00
4	EIS B955-2 brake bleeder screws @ \$ 2.52 ea .....	10.08
1	Quart SPO-277 gear oil 140W .....	11.13
14	Quarts Kendall 20.50 engine oil @ \$2.80 ea .....	39.20
1	91011743 fuel filter .....	84.00
-	Consumable materials & supplies .....	<u>20.00</u>
		\$ 971.82
	7.25% Sales tax	<u>70.46</u>
		\$ 1,042.28

## OTHER:

-	Entry fee for Fontana event .....	\$ 200.00
-	Inbound shipping - adapters/fittings via blue label UPS .....	33.25
-	Inbound shipping - torsion bars .....	11.50
-	Inbound shipping - decals via FedEx .....	8.50
-	Inbound shipping - rim half/bolt kit .....	11.00
-	Accommodations for Fontana: Hilton & Shilo Inn .....	540.47
-	Meals .....	143.68
-	Bridge Tolls .....	6.25
-	Tow vehicle fuel .....	180.41
-	Embroider car cover with Demler logo .....	77.22
-	Hazardous waste fees .....	18.00
		\$ 1,342.37



11/5/98

Page 4

To:  
For: Demler Spl.

SUMMARY OF BILL

Labor: 92.50 hours @ \$72.00 per hour .....	\$ 6,660.00
Machine Shop Labor: 3.25 hours @ \$80.00 per hour .....	260.00
Parts: .....	1,042.28
Other: .....	<u>1,265.15</u>

Balance Due: \$ 9,227.43

YOU MAY DEDUCT \$ 346.00 IF PAYMENT IS RECEIVED BY 11/16/98

346.007

8881.43

Paid ck #  
7606  
12/4/98

PHIL REILLY & CO., INC. AUTO RESTORATION

5842 Paradise Dr.  
Corte Madera, CA 94925  
(415) 924-9022  
Fax (415) 924-4050

To:  
For: Demler Special Indy Car

November 25, 1998

LABOR:

Nov. 5 -	Examine throttle linkage; discover pedal stop doesn't allow full throttle; adjust linkage for proper movement. (David) .....	1.0
Nov. 10 -	Set up to run gasoline to purge system; run engine and set for storage. (Brian) .....	2.8
Nov. 12 -	Change engine oil; clean belly pans and all bodywork; remove and clean windscreen. (Brian) .....	4.0
Nov. 19 -	Wax Demler; load car for trip to Ukiah. (Brian) .....	2.0
Nov. 20 -	Transport Demler to Ukiah. (Phil) .....	<u>N.C.</u>
	Total hours	9.8

PARTS:

1 -	C-16895 CR seal .....	\$ 8.57
1 -	Carry all laundry bag .....	6.57
1 -	Floor pump .....	15.02
2 -	Halibrand 6" X 16" wheels @ \$350.00 .....	700.00
-	Consumable supplies, materials & cleaners .....	<u>12.50</u>
		\$742.66
	7.25% Sales tax	<u>53.84</u>
		\$796.50

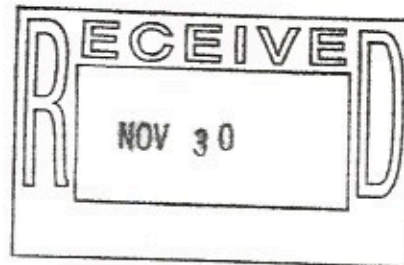
OTHER:

-	Inbound freight - seal from Chicago via UPS Red .....	\$ 23.50
-	Inbound freight - wheels via FedEx .....	77.00
-	Hazardous waste fees .....	<u>6.00</u>
		\$ 106.50

11/25/98

Page 2

To:  
For: Demler Special Indy Car



Labor: 9.8 hours @ \$72.00 per hour .....	\$ 705.60
Parts: .....	796.50
Other: .....	<u>106.50</u>

Balance Due: \$ 1,608.60

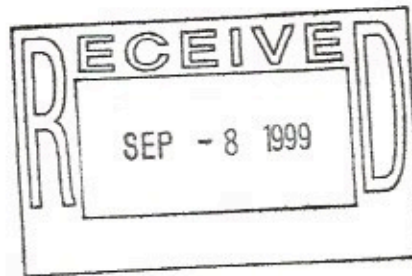
YOU MAY DEDUCT \$ 35.00 IF PAYMENT IS RECEIVED BY 12/9/98

/ 35.00  
1573.60



**PHIL REILLY & CO., INC. AUTO RESTORATION**

5842 Paradise Dr.  
Corte Madera, CA 94925  
(415) 924-9022  
Fax (415) 924-4050



To:  
For: Demler Spl. Indy car

September 7, 1999

**LABOR:**

August 4	Remove belly pans; set car on jack stands; inspect wheel bearings and rod ends; order replacement rod ends. (Brian) .....	3.0
August 5	Disassemble front brakes; discuss machine work on new brakes with Ross; remove engine cover and cowl; inspect chassis; nut and bolt check motor; drain engine oil; clean filter; remove and clean both fuel filters. (Brian) .....	5.0
August 6	Drain coolant and refill; remove rear cover on rear axle; inspect gears; remove left side cover. (Brian) .....	4.0
August 9	Install left side cover; change and install new gears; fill rear axle with oil. (Brian) .....	3.0
August 11	Replace heim ends between steering box and pitman arm; drill bushing in Pitman arm. (Wes) .....	.5
August 13	Unbolt torque tube from rear axle; inspect u-joint on driveshaft; seal splines on drive coupling and reassemble. (Brian) ..... Replace heim ends on center drag link and pitman arm and, right front upper locating rod. Disassemble starter motor, check brushes, and gears; install new bearing grease; reassemble; charge batteries on start cart. (Wes) .....	2.5 8.0
August 16	Clean, rebuild and reinstall front and rear brake calipers; install fittings in calipers and chassis to install aeroquip brake lines; make new brake lines; install mount handles on starter motor and check operations. (Wes) .....	8.0
August 17	Finish making brake lines and install; start bleeding brakes; clean and wax belly pans, etc. (Wes) .....	4.5
8/20-22	Bleed brakes; set car on ground; install bodywork; run car. (Brian) ..... Support equipment and personnel to run car at Pre-Historics event. (time equivalent to \$350 per day) .....	3.0 14.5
	Total hours this page	56.0

To:  
For: Demler Spl. Indy Car

## LABOR:

8/26-29	Support equipment and personnel to run car at The Historics event. (time equivalent to \$350 per day) .....	19.5
	Total hours this page	19.5
	GRAND TOTAL OF LABOR HOURS	75.50

## PARTS:

8 -	-327 Buna N o-rings @ \$1.05 ea .....	\$ 8.40
8 -	-225 Buna N o-rings @ .88¢ ea .....	7.04
13 -	-210 Buna N o-rings @ .34¢ ea .....	4.42
2 -	100/AB10T rod ends @ \$45.85 ea .....	91.70
5 -	100/XAM8T 1/2X5/8 rod ends @ \$44.87 ea .....	224.35
1 -	BCA39SS bearing .....	22.81
4 -	72-G10720-03 adapters @ \$3.55 ea .....	14.20
4 -	72-G10716-03 adapters @ \$3.55 ea .....	14.20
8 -	Champion C57R spark plugs @ \$5.70 ea .....	45.60
2 -	04-1ARHT8ECR 1/2 X 5/8 rod ends @ \$82.93 ea .....	165.86
1 -	04-1ART10ECR 5/8 X 5/8 rod end .....	82.43
3 -	EIS brake bleeder screws @ \$5.03 ea .....	15.09
1 -	Gallon coolant .....	12.50
8 -	Quarts Kendall 20/50 motor oil @ \$2.80 ea .....	22.40
-	Consumable supplies, materials & cleaners .....	12.00
		\$ 743.00
	7.25% Sales tax	53.87
		\$ 796.87

## OTHER:

-	2 drums Methanol (110 gallons) @ \$2.50 per gallon .....	\$ 275.00
-	1 fuel drum deposit .....	25.00
-	Hotel fee - Pre-Historics .....	120.00
-	Per Diem - Pre-Historics .....	60.00
-	Hotel fee - The Historics .....	405.00
-	Per Diem - The Historics .....	120.00
-	Hazardous waste fees .....	7.50
		\$ 1,012.50

9/7/99

Page 3

To:  
For: Demler Spl. Indy Car

SUMMARY OF BILL



Labor: 75.5 hours @ \$72.00 per hour .....	\$ 5,436.00
Parts: .....	796.87
Other: .....	<u>1,012.50</u>

Balance Due: \$ 7,245.37

YOU MAY DEDUCT \$ 272.00 IF PAYMENT IS RECEIVED BY 9/17/99

*(272.00)*  
*6973.37*



PHIL REILLY & CO., INC. AUTO RESTORATION

5842 Paradise Dr.  
Corte Madera, CA 94925  
(415) 924-9022  
Fax (415) 924-4050

To:  
For: Demler Spl. Indy car

October 11, 1999

LABOR:

Sept. 2	Remove fuel filler cap; disconnect fuel hoses; remove access plate from fuel cell. (Brian) .....	1.0
Sept. 3	Inspect fuel pick up hose; fit pick up pipe to hose; reassemble fuel cell; modify restraint bracket at rear of cell. (Brian) .....	4.0
Sept. 7	Remove rear body work; remove fuel cell; remove axle assembly, torque tube and drive shaft. (Brian) .....	4.0
Sept. 8	Remove birdcage assemblies and remove rear and side covers from rear end; remove rear axle. (Brian) .....	3.5
Sept. 9	Crack check driveshaft and rear axle coupling ring and pinion and bearings. (Brian) .....	2.5
Sept. 13	Modify mirrors to be adjustable within housing; remove magneto and send to Joe Hunt Magnetos for test, etc. (Brian) .....	3.5
Sept. 14	Remove bearing from input shaft on rear axle; replace bearing. (Brian) .....	1.0
Sept. 15	Fabricate test-jig to determine source of leak in left rear brake caliper. (Brian) .....	4.0
Sept. 16	Disassemble left rear caliper and clean; reassemble and test for leaks; disassemble and clean three spare rear brake calipers. (Brian) .....	4.0
Sept. 21	Test fit and time spare magneto; refit original magneto returned from Joe Hunt test. (Brian) .....	1.5
Sept. 22	Fabricate new tab to replace broken oil tank stay; fabricate extension for rear axle landing; weld on both pieces. (Brian) .....	3.0
Sept. 23	Polish ball socket on torque tube; charge up batteries on cart; clean starter socket; fit new cable; clean terminal fittings. (Brian) .....	3.0
	Total hours this page	35.0

To:  
For: Demler Spl. Indy Car

## LABOR: continued

Sept. 27	Fit new seals in rear end side covers; fit bearings; assemble rear end; set in car; fit birdcages; install oil tank. (Brian) .....	6.5
Sept. 28	Fit torque tube and drive shaft; fit rear bars and shocks; install fuel cell, seat and curtain. (Brian) .....	<u>5.0</u>
	Total hours this page	11.5
	GRAND TOTAL OF HOURS	46.50

## MACHINE SHOP LABOR:

Sept. 27	Bore rear axle end covers for new seals. (David) .....	<u>1.5</u>
	Total hours	1.5

## PARTS:

2 -	C-29260 rear axle seals @ \$19.42 ea .....	\$ 38.84
1 -	63072RSSKF input shaft front bearing .....	<u>31.19</u>
		\$ 70.03
	7.25% Sales tax	<u>5.08</u>
		\$ 75.11

## OTHER:

-	Inbound shipping - magneto returned .....	\$ 18.50
-	Hazardous waste fees .....	<u>10.00</u>
		\$ 28.50

## SUBLET:

-	Scope check and inspect magneto -- all ok .....	\$ 42.00
-	Multiple degrease, pre-heat, impregnate caliper with sealant .....	<u>180.00</u>
		\$ 222.00

10/11/99

Page 3

To:  
For: Demler Spl. Indy car

SUMMARY OF BILL

Labor: 46.5 hours @ \$72.00 per hour .....	\$ 3,348.00
Machine Shop Labor: 1.5 hours @ \$80.00 per hour .....	120.00
Parts: .....	75.11
Other: .....	28.50
Sublet: .....	<u>222.00</u>

Balance Due: \$ 3,793.61

YOU MAY DEDUCT \$ 173.00 IF PAYMENT IS RECEIVED BY 10/22/99

3620.61



PHIL REILLY & CO., INC. AUTO RESTORATION

5842 Paradise Dr.  
Corte Madera, CA 94925  
(415) 924-9022  
Fax (415) 924-4050

To:  
For: Demler

June 15, 2007

LABOR:

May 14	Disassemble pistons and rods; clean and crack check main webs and bearings. (Brian) .....	4.0
	Assist Brian with piston and rods; check balance of pistons and rods. (Dave).....	1.5
	Remove oil filter screen and clean, reinstall. Remove oil tank and drain oil; wipe off bottom surface and reinstall. Remove and clean fuel filter screen. Drain rear axle lube. Unhook Watts linkage and remove; remove right side cover from rear axle. Remove back cover from rear end, clean back cover and drain pans. (Tom) .....	4.5
May 15	Remove top cover on gearbox. Remove clutch; clean clutch debris, oil, and grease mess inside bell housing; wash with solvent and simple green. Disassemble magneto drive and clean. (Tom) .....	3.0
May 16	Measure crankshaft journals; measure installed bearing sizes and housing sizes, find that rear bearing shell oil hole does not match crank. Set up bearing in mill and slot hole, deburr. Assemble and torque main bearings to crank; set up case ready to install crank; heat case and lower crank in; bolt main bearings. (Dave).....	8.0
	Continue to work on Demler. Remove seat, fuel tank, tail, and etc. for cleaning. (Tom).....	4.0
May 17	Finish assembly of main bearings; drill oil drain hole in front of case in oil pump area, clean up. Install oil pump, crank gear, and oil pump gear. Assemble front cover with "half-time" gear. Assemble various case plugs and fittings. (Dave).....	<u>6.0</u>
	Total hours this page	31.0

To:  
For: Demler

May 17	Remove tail, fuel tank, and rear cover. (Brian) .....	2.0
May 18	Examine water pump, clean and install. Drill mounting holes to fit case. Repair damaged water pump inlet pipe. Install rear seal. Clean flywheel hardware; install and torque flywheel. Install pilot bearing; machine sleeve and press onto transmission pilot shaft to fit pilot bearing. Check piston ring gap, top ring has too much end gap; look up and order new rings. (Dave).....	7.5
May 21	Clean and lube clutch throw-out bearing cross shaft inside bell housing; remove and reinstall clutch pedal and pivot shaft. (Tom) .....	3.0
	Make left and right water jacket cover gaskets. Clean cover screws and assemble cover to cylinder block with sealer. Assemble connecting rods to pistons. Magnaflux various engine and suspension pieces. (Jon).....	6.0
May 22	Disassemble, clean, and crack check front cover and cam drive gears. Reassemble and install rear axle side cover on final drive.(Brian).....	3.0
May 23	Disassemble front axle bearings; clean, grease, and reassemble. (Brian) .....	6.0
	Install side cover on rear axle with Brian - not easy in car; refit Jacobs ladder. Wash bottom sides of belly pans and inside of cockpit. Remove front hub pins, calipers, and rotors. Assemble clutch package with six new jet nuts. (Tom) .....	4.5
May 24	Fix frozen bushing in steering idler arm, press out bushing; hone idler arm to fit to fit shorter bushing, .035" for less end float. Clean, re-grease, and reassemble. (Tom).....	2.0
May 25	Install piston rings; install pistons in block and set block on crank case. Torque connecting rods. (Brian).....	5.0
	Fit quick-change rear cover. Reassemble Watts linkage and re-grease pivot points. (Tom) .....	<u>2.5</u>
	Total hours this page	41.5
	Grand total of LABOR hours	72.5

6/15/07

To:  
For: Demler

PARTS:

1 -	Set E289XSTD steel piston rings.....	\$	107.67
1 -	6405 SNR bearing (quick-change).....		56.35
-	Consumable parts & supplies .....		25.00
		\$	189.02
	7.75% Sales Tax		<u>14.65</u>
		\$	203.67

OTHER:

-	Hazardous waste fees .....	\$	12.00
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Labor:	72.5 hours @ \$106.00 per hour .....	\$	7,685.00
Parts:	.....		203.67
Other:	.....		12.00

Balance Due: \$ 7,900.67

YOU MAY DEDUCT \$384.00 IF PAYMENT IS RECEIVED BY June 30, 2007



PHIL REILLY & CO., INC. AUTO RESTORATION

5842 Paradise Dr.  
Corte Madera, CA 94925  
(415) 924-9022  
Fax (415) 924-4050

To:  
For: Demler - Indy Roadster

July 20, 2007

LABOR:

June 28	Sort cams, tappets, and cam, boxes for set up that will allow correct value lash; mock up and check value lash and adjust with filing block; clean and final assemble cam and follower components. (Dave)	6.5
June 29	Pick block off case, clean between case and block, seal block to case, torque nuts. Swap studs from #188 gear tower, clean gear tower and check fit with cam boxes; check that oil holes match; bolt gear tower to engine. (Dave).....	6.0
July 2	Set up inlet cam box with tappets and cam. Set up degree pointer on flywheel. Turn cam for proper lift at overlap. Bolt on gear and check valve events. Make slight change and repeat - okay. Remove inlet cam and repeat for exhaust. (Dave) .....	5.0
	Install sump plate and crank case breather; assist Dave with cam timing and assembly. (Brian) .....	4.0
July 3	Install and seal cam boxes with cams and tappets to engine. Lock wire cam gears; install cam covers, gear covers, end caps, tach-drive, and fuel pump. Install water pump and starter spline assembly. (Dave).....	5.0
	Install intake manifold, spark plug adaptors, water manifold, water pipes, block hold-downs, and front mount. (Brian).....	3.0
July 10	Work on fixtures for dyno. Spray oven cleaner on exhaust to remove burned on oil, scrub clean. Polish exposed part of manifold. Make up a set of plug wires with suppressed line. (Dave).....	2.5
July 11	Design dyno drive adaptor. Rough out steel piece to bolt to flywheel bolts; turn to size and drill and tap; rough out dyno half of adaptor. (Dave) .....	<u>6.0</u>
	Total hours this page	38.0

To:

For: Demler - Indy Roadster

July 11	Remove torque tube and input shaft to final drive. Examine parts, replace input shaft bearing and polish torque tube. (Brian) .....	3.0
July 12	Finish drilling and tapping "dyno half" of dyno adaptor bolt "engine half" to flywheel and torque bolts; bolt dyno half to that, with shortened allen bolts and torque bolts. Set up motor on its side with Brian. Bolt steel to motor plate for dyno mount; set up TDC pointer. (Dave) .....	5.0
	Make oil pressure hose; remove studs from motor plate on dyno; make dyno adaptors and deliver to dyno. (Brian).....	4.0
July 13	Install final drive input shaft, drive shaft, torque tube, oil and fuel tank. (Brian).....	<u>3.0</u>
	Total hours this page	15.0
	Grand total of LABOR hours	53.0

## PARTS:

12 -	ST-9 - Stud @ \$1.02 ea .....	\$ 12.24
1 -	63072 - RS bearing .....	36.40
16 -	RPE Cam followers (DLC coating) @ \$207.00 ea .....	3,312.00
-	Consumable parts & supplies .....	15.00
		\$ 3,375.65
	7.75% Sales Tax	<u>261.61</u>
		\$ 3,637.25

## OTHER:

-	Outgoing UPS for shipment of brake caliper to be re-sleeved .....	\$ 13.57
-	Hazardous waste fees .....	-

7/20/07

Page 3

To:

For: Demler - Indy Roadster

SUMMARY OF BILL:

Labor:	53.0 hours @ \$106.00 per hour .....	\$ 5,618.00
Parts:	.....	3,637.25
Other:	.....	13.57
Balance Due:		\$ 9,268.82

YOU MAY DEDUCT \$280.90 IF PAYMENT IS RECEIVED BY August 4, 2007



5842 Paradise Dr.  
Corte Madera, CA 94925  
(415) 924-9022  
Fax (415) 924-0450

For: Demler - Offy 205

August 30, 2007

DOC: 10028

LABOR:

July 12, 2007	Modify U-joint and spline for driveshaft to accept an o-ring to slow oil leaking. (Ross)	1.50
July 21, 2007	Assemble cams, tappets, cam boxes back onto welded valve stems; check lash. Remove and use filing block to trim stems; check again; one more time with filing block; assemble - all okay. Reassemble for good with sealant; double check cam timing. Assemble gear covers, end covers, fuel pump and tach drive. (David)	6.00
July 24, 2007	Dyno engine at Hasselgren's; do break-in and power runs; engine was mixing water and oil at ends; remove from dyno. (Brian)	8.00
July 24, 2007	Set up engine and start tear down to repair leaking drain-back pipes in block. (Forrest)	7.00
July 25, 2007	Work with Forrest cleaning parts. Examine oil drain tubes and block; measure holes and order material to make new tubes. Chamfer rod bearings, scrape areas that look "tight". Work on getting water out of sump and cam; clean inlet and exhaust valves. (David)	6.50

July 25, 2007	Assist Dave with engine work and cleaning. (Forrest)	2.50
July 26, 2007	Set up and lap valves in block; clean valve seats. Set up and machine four new oil drain tubes; clean tubes and block; press in tubes with sealant. Trim ends of tubes flush with bottom of block; make new gaskets for water plates on block; assemble inlet side plate. (David)	6.00
July 27, 2007	Assemble exhaust water plate to block. Install water "gooseneck" on block; block-off inlet and fill block with water, pressure test and look for leaks - all okay. Drain block; clean piston and rods; remove "gooseneck". Install valves and springs; install pistons and rods; set block onto case; torque rods to crank. (David)	8.00
July 30, 2007	Lift block and clean case and block mounting surfaces; seal and bolt down block to case. Install gear tower with new o-rings. Install rear seal carrier. Install and torque flywheel. Set motor to T.D.C. with pointer. Install inlet and exhaust cams; check timing - all okay; check valve lash. (David)	6.50
August 01, 2007	Assemble water pump to engine. Assemble water "goose-neck" manifold to top of motor; make new side cover gaskets. Assemble side covers to motor; make new inlet manifold gasket; assemble inlet manifold to motor. Assemble magneto to motor and set timing. Sling motor on hoist; put motor in car. (David)	8.00
August 01, 2007	Assist with motor installation; clean oil filter. (Brian)	3.00

August 02, 2007	Continue with engine installation. Hook up throttle linkage; assemble fuel pump fittings and connect lines. Work with Forrest on exhaust manifold, water pipes, oil drain pipes. Put water in system and look for leaks. Disassemble fuel filter; clean bowl and screens; reassemble. Mount tail pipe; wire magneto, and lock wire hardware. (David)	7.00
August 06, 2007	Run car; replace brake pads in left rear and bleed brakes. (Brian)	4.00
August 06, 2007	Start engine with Brian; check for leaks; warm up and test clutch. Assist Brian with the brakes. (David)	3.00
August 07, 2007	Install bodywork and clean car; do final prep for test day. (Brian)	3.00
August 08, 2007	Deliver car to Sear's Point and run car with Mark; final prep. (Brian)	7.00
August 12, 2007	Run car at Monterey Pre-Historics. (Time equivalent to \$550 per day) (August 11-12) (Reilly Crew)	10.50
August 19, 2007	Run car at Monterey Historics. (Time equivalent to \$550 per day) (August 16-19) (Reilly Crew)	21.00

LABOR:

118.50

12561.00



AUTO PARTS:

		<u>Price</u>	<u>Total</u>
1	SIM-29024BK 55" bolt in seat belt set	\$113.26	\$113.26
1	4130 .625 X .120 wall tubing for oil return tube fabrication.	\$70.92	\$70.92
1	Exhaust pipe tubing purchased for running engine on dyno	\$30.00	\$30.00
2	7237 12v Battery for start cart	\$121.50	\$243.00
12	Brad Penn 20/50wt motor oil (price per quart)	\$6.00	\$72.00
25	Methanol alcohol	\$4.00	\$100.00
2	Lubriplate 80/140 gear oil	\$6.00	\$12.00
1	Consumable parts & supplies	\$30.00	\$30.00
AUTO PARTS:			\$671.18

OTHER:

1	Per Diem - for the Pre-Historics	\$75.00	\$75.00
1	Hotel accommodations for the Pre-Historics, 1 mechanic	\$290.00	\$290.00
1	Per Diem - for the Historics	\$150.00	\$150.00
1	Hotel accommodations for the Historics, 1 mechanic	\$785.00	\$785.00
1	Hazardous waste fees	\$15.00	\$15.00
OTHER:			\$1,315.00

SUBLET:

1	Install engine with accessories onto dyno. Individual cylinder mapping and tuning. Remove engine from dyno.	\$960.00	\$960.00
SUBLET:			\$960.00

**BILL SUMMARY:**

Labor:	118.50 hours @ \$106 per hour	\$12,561.00
Parts, Other & Sublet Charges:		\$2,946.18
Tax on Auto Parts:		\$52.02
		<hr/>
	<b>Balance Due</b>	<b>\$15,559.20</b>

**You may deduct (\$628.05) if payment is received by September 09, 2007**

PHIL REILLY & CO., INC. AUTO RESTORATION

5842 Paradise Dr.  
Corte Madera, CA 94925  
(415) 924-9022  
Fax (415) 924-0450

2 Pages

October 17, 2007

DOC: 10067

For: Demler - Offy 205

*Pls Advise*

*10-19-07*

Hours

LABOR:

August 29, 2007	Remove motor. (Brian)	3.50
August 29, 2007	Assist Brian with removing motor from car. (David)	3.00
August 31, 2007	Help Brian disassemble motor; set up motor on stand. Remove accessories and drain oil. (David)	4.00
September 05, 2007	Remove block from case; remove cams and valves. (Brian)	2.00
September 06, 2007	Remove #4 piston. Remove cambox studs and side plates. Clean block; measure valve stems and guides. (Brian)	2.50
September 13, 2007	Continue motor disassembly. Separate pistons from rods, rods form crank. Clean parts and engine case. Reassemble side cover breathers and baffles. Clean cams, cam boxes, etc. (David)	4.00
September 14, 2007	Organize parts, put covers on case. Drain oil out of case. (David)	1.00
September 19, 2007	Remove all valves, springs, etc. from block. Remove cam box studs. Ready for boring. (David)	2.00



October 10, 2007	Remove valve guides; clean guide bores and measure. Measure new bronze guides; hone guides, only to find excessive run-out on OD, decide to machine new guides and order material. (David)	<u>Hours</u> 4.00	
	LABOR:	26.00	\$2,756.00
	<u>AUTO PARTS:</u>		<u>Price</u>
	1 Consumable parts & supplies	\$25.00	\$25.00
	AUTO PARTS:		\$25.00
	<u>OTHER:</u>		
	1 Hazardous waste fees	\$12.00	\$12.00
	OTHER:		\$12.00
	<u>SUBLET:</u>		
	1 Clean engine block; bore and finish hone.	\$756.00	\$756.00
	SUBLET:		\$756.00
	<b>BILL SUMMARY:</b>		
	Labor: 26.00 hours @ \$106 per hour		\$2,756.00
	Parts, Other & Sublet Charges:		\$793.00
	Tax on Auto Parts:		\$1.94
	<b>Balance Due</b>		<b>\$3,550.94</b>

You may deduct (\$137.80) if payment is received by October 27, 2007

PHIL REILLY & CO., INC. AUTO RESTORATION

5842 Paradise Dr.  
Corte Madera, CA 94925  
(415) 924-9022  
Fax (415) 924-4050

To:  
For: Offy Engine #1 (#188)

January 9, 2008  
DOC: 3252

LABOR:

December 7	Machine four wrist pin bushings. (David).....	2.0
December 10	Press in new wrist pin bushings; drill oil holes. (David).....	0.75
December 11	Deburr rod parting lines, balance rods. Bolt caps and measure; check with new rod bearings and found that they were not round. Set up and hone big ends of rods; clean and check fit - all okay. (David).....	<u>3.5</u>
	Total hours this page	6.25
	Grand total of LABOR hours	6.25

PARTS:

1 -	Moldex crankshaft 4-3/8 stroke.....	\$ 3,934.00
4 -	CP Piston w/ pins @ \$199.50 ea.....	798.00
4 -	Piston ring set @ \$36.05 ea.....	144.20
1 -	Consumable parts and supplies.....	10.00
		\$ 4,886.20
	7.75% Sales Tax	<u>378.68</u>
		\$ 5,264.88

OTHER:

-	Hazardous waste fees.....	\$ 5.00
		\$ 5.00

Labor:	6.25 hours @ \$106.00 per hour.....	\$ 662.50
Parts:	.....	5,264.88
Other:	.....	5.00
	Balance:	\$ 5,932.38

YOU MAY DEDUCT \$33.13 IF PAYMENT IS RECEIVED BY JANUARY 21, 2008

PHIL REILLY & CO., IN

2-Page -  
P/S Advise -  
1/10/08 - 1/31/08

5842 Paradise Dr.  
Corte Madera, CA 94925  
(415) 924-9022  
Fax (415) 924-4050

To:  
For: Offy Engine #205 (Demler)

January 9, 2008  
DOC: 3253

LABOR:

December 7	Machine four wrist pin bushings. (David).....	2.0
December 10	Press in new wrist pin bushings; drill oil holes. (David).....	0.75
December 11	Install rod bearings and check sizes; rebalance rods. (David).....	<u>1.5</u>
	Total hours this page	4.25
	Grand total of LABOR hours	4.25

PARTS:

4 -	Ring (1-S12-4310-5) @ \$10.85 ea.....	\$ 43.40
8 -	Ring (2-S22-4310-5THG) @ \$9.45 ea.....	75.60
4 -	Ring (3-H35-4310-1) @ \$6.30 ea.....	25.20
4 -	CP pistons w/pins @ \$199.50 ea.....	798.00
1 -	Consumable parts and supplies.....	10.00
		\$ 952.20
	7.75% Sales Tax	<u>82.36</u>
		\$ 1,034.56

OTHER:

-	630 Aluminum bronze rod, 1" DIA.....	\$ 110.57
-	Hazardous waste fees.....	5.00
		\$ 115.57

Labor:	4.25 hours @ \$106.00 per hour.....	\$ 450.50
Parts:	.....	1,034.56
Other:	.....	115.57

Balance: \$ 1,600.63

YOU MAY DEDUCT \$22.53 IF PAYMENT IS RECEIVED BY JANUARY 21, 2008



PHIL REILLY & CO., INC. AUTO RE

3/5/08  
 IS THIS OK TO  
 FOR.  
 2 pages

42 Paradise Dr.  
 dera, CA 94925  
 (415) 924-9022  
 Fax (415) 924-4050

To:  
 For: Offy Engine #205 (Demler)

February 28, 2008  
 DOC: 3355

LABOR:

January 23	Remove lower front cover of engine. Remove oil pump gear; remove pump and clean parts. Examine pump, one bushing very worn. (David).....	3.0
January 24	Set up oil pump body in mill; machine "spud" round; machine bushing to fit "spud" and gear; press on and check fit. Reassemble pump, make new gasket and bolt pump to motor. Install gear; clean front cover and install. (David).....	4.0
January 30	Work on starter. Disassemble gear drive; clean and grease. Remove broken brush to reorder. (Brian).....	2.5
February 5	Make "go-no-go" gauge for valve guide bores. (David).....	0.5
	Total hours this page	10.0
	Grand total of LABOR hours	10.0

PARTS:

16 -	Valve guides, special inlet and exhaust @ \$50.06 ea.....	\$ 800.96
1 -	Consumable parts and supplies.....	30.00
	7.75% Sales Tax	\$ 830.96
		<u>64.40</u>
		\$ 895.36

OTHER:

-	Hazardous waste fees.....	\$ 15.00
		\$ 15.00

2/28/2008

Page 2

To:  
For: Offy Engine #205 (Demler)

SUMMARY OF BILL:

Labor:	10 hours @ \$109.00 per hour.....	\$ 1,090.00
Parts:	.....	895.36
Other:	.....	15.00
Balance:		\$ 2,000.36

· YOU MAY DEDUCT \$54.50 IF PAYMENT IS RECEIVED BY MARCH 10, 2008

PHIL REILLY & CO., INC. AUTO RESTORATION

5842 Paradise Dr.  
Corte Madera, CA 94925  
(415) 924-9022  
Fax (415) 924-4050

To:  
For: Offy Engine #205 (Demler)

March 21, 2008  
DOC: 3415

LABOR:

February 28	Organize parts and tools for valve job. Drive in new guides; cut inlet valve seats; check depth of seats and lap new valves. Begin exhaust seat cutting. (David).....	2.5
February 29	Finish cutting exhaust valve seats and lap valves. Clean block, wash bores with detergent and ready for assembly. Install stem seals on inlet guides and gap piston rings. Begin block assembly; clean up 80 water plate screws. (David).....	5.0
March 3	Make new gaskets for water plates on block; clean and seal plates to block with screws. (David).....	2.0
March 4	Measure valve spring installed height; measure spring pressure at that height; compare with previous motors. Machine a spacer to raise pressure; once installed height is established, start on machining 16 spacers. (David).....	4.5
March 5	Finish machining 16 spacers; clean valve springs and valves; assemble valves and springs to block. Install cam box studs in block, adjusting for proper height, chase threads on some of the studs. Start set up for "c.c.ing" combustion chamber. Put rod on crank with piston and ring. (David).....	6.0
March 6	Measure unswept volume by placing block on pistons and rod and setting to TDC. Remove and set up lathe to trim pistons; machine piston tops and repeat, still too much! Machine once more - all okay. Balance pistons and deburr; clean up rods for final assembly. Assemble rods to pistons; place rings on pistons. (David).....	6.0
	Total hours this page	26.0



To:  
 For: Offy Engine #205 (Demler)

March 7	Feed piston/rod assemblies into block; set up hoist; lower block onto crankcase, bolting two rods to crank. Turn crank and lower block until final two rods can be attached; set block down and test turn - all okay. Pick up block and clean assembly oil off; seal block to case and torque block nuts and rod bolts. Assemble block hold-down studs on back of block; assemble gear tower to engine. (David).....	8.0
March 10	Clean camboxes, cams, and tappets; set up to check valve lash. Assemble cams and check lash; use filing block to adjust lash; repeat until right. Set up and time exhaust cam. (David).....	8.0
March 11	Remove exhaust cam, set up inlet cam and set timing. Remove and clean for final assembly. Assemble inlet and exhaust cams, tappets, and camboxes to engine; check timing. Lock-wire cam gear bolts; clean and assemble inlet cambox cover. (David).....	5.0
March 12	Clean and install exhaust cam cover, lock-wire cam gear bolts. Install tach drive cover; install gear covers and end covers. Clean and install cam oil bypass fittings. Assemble magneto to mount and check spark timing. (David).....	5.0
March 13	Install water pump and fittings; adjust stud length for water "goose-neck" fitting. Install and seal to block, install crankcase side cover and sump. Set up and fill engine cooling system with water; pressurize and look for leaks - all okay; drain system. Install injector body, clean out ports. (David).....	7.0
March 14	Assemble dyno engine mount to front of motor; bolt dyno plate to rear of motor. Set up new timing pointer for dyno; install exhaust manifolds, assemble oil drain back tubes. Set motor on its side; install air horns and spark plugs, mark all fittings for dyno. (David).....	<u>5.0</u>
	Total hours this page	38.0
	Grand total of LABOR hours	64.0

3/21/2008

To:  
For: Offy Engine #205 (Demler)

PARTS:

8 - Viton 5/16 X .500 stem seal @ \$8.40 ea.....	\$ 67.20
1 - Consumable parts and supplies.....	30.00
	\$ 97.20
7.75% Sales Tax	<u>7.53</u>
	\$ 104.73

OTHER:

Hazardous waste fees.....	\$ 15.00
	\$ 15.00

Labor: 64 hours @ \$109.00 per hour.....	\$ 6,976.00
Parts: .....	104.73
Other: .....	15.00

Balance:

~~\$ 7,095.73~~

YOU MAY DEDUCT \$348.80 IF PAYMENT IS RECEIVED BY MARCH 31, 2008

#674693

PHIL REILLY & CO., INC. AUTO RESTORATION

2 Invoices -

4 pages -

Per Mark Lee Fax

March 21, 2008

DOC: 3414

To: Offy Engine #1 (#188)  
For:

SUBLET: - Bore engine block, finish hone and clean.....\$ 540.00  
\$ 540.00

Sublet: ..... 540.00  
Balance: \$ 540.00



PHIL REILLY & CO., INC. AUTO RESTORATION

5842 Paradise Dr.  
Corte Madera, CA 94925  
(415) 924-9022  
Fax (415) 924-4050

To:  
For:                   Offy Engine #205 (Demler)

May 2, 2008  
DOC: 3494

LABOR:

April 1	Run Offy motor and bring back to shop. (David).....	4.0
April 7	Remove side cover to look at oil level in sump. (David).....	1.0
April 8	Remove lower front cover with water pump. Use puller to remove oil pump gear; set up oil lines and funnel to simulate oil tank. Run oil pump with drill motor to test scavenge system. Set up pressure gauges on main gallery and cam line; test again. Try restricting cam line, still to much flow out by-pass. Choose to re-route cam by-pass to drain into scavenge line; clean up mess. (David).....	6.0
April 14	Set motor upright and remove exhaust manifold, magneto, fuel pump, motor plate, front motor bracket. Remove oil plumbing and oil sump. Disassemble breathers and oil sump baffle, clean parts. (David).....	6.0
April 15	Drill and tap cam lube by-pass for drain line. Make plug for original drain; drill "in/out" casting to attach drain from by-pass. Install restrictor in magneto lube line. Inspect sump for possible leaks in pick-up circuit - all okay. (David).....	5.0
April 16	Reassemble oil sump baffles and breathers; clean engine case; install sump, plumbing, and side covers. Clean and install lower front cover with oil pump gear; time magneto. Repair water plumbing flange and install. (David).....	5.0
April 17	Remove cam box end covers, gear covers, and cambox lids. Find broken key in lid; discover two tappets with broken keys. Remove cams, tappets, and cam boxes; examine all tappets; clean parts. (David).....	<u>6.0</u>
	Total hours this page	33.0

5/2/2008

To: Offy Engine #205 (Demler)  
For:

April 18	Examine tappets and camboxes to figure out why keys failed. Compare with original tappets; measure holes in original tappets; measure keys to make new ones. Figure out how to hold tappets to drill key holes bigger. Machine experiment key to test ability to make pins to size - not much success. (David).....	N.C.
April 21	Machine fixture to hold tappets at proper angle to confirm key location. Remove keys from all tappets; find that fixture does not repeat accurately; try sweeping each tappet with indicator and using rotary table to index part; check all parts, hole location okay. (David).....	N.C.
April 22	Set up each tappet in fixture, grind away diamond coating with dremel tool; drill holes to 3/32" with carbide drill; drill all tappets and deburr. (David).....	N.C.
April 23	Lay out precision-ground steel material to make new keys for tappets; saw out lid pieces. Machine tool to hold each piece to surface and trim to length; machine 40 pieces and begin deburring. (David).....	N.C.
April 24	Finish deburring new keys for Offy tappets; ready for machining of pins. (David).....	1.5
	Total hours this page	1.5
	Grand total of LABOR hours	34.5

Labor: 34.5 hours @ \$109.00 per hour.....\$ 3,760.50  
 Balance: .....\$ 3,760.50

YOU MAY DEDUCT \$188.03 IF PAYMENT IS RECEIVED BY MAY 12, 2008

PHIL REILLY & CO., INC. AUTO RESTORATION

5842 Paradise Dr.  
Corte Madera, CA 94925  
(415) 924-9022  
Fax (415) 924-4050

To:  
For: Offy Engine #205 (Demler)

September 4, 2008  
DOC: 3740

LABOR:

May 12	Machine steel tool to hold tappets and keys for riveting; deburr and test. (David).....	2.5
May 13	Deburr new tappet keys; machine punch to rivet keys to tappets; set up and rivet keys to tappets. (David).....	2.0
June 30	Install cam boxes and cams. (Brian).....	5.0
July 1	Help Brian with motor assembly. (David).....	1.0
	Measure valve openings at overlap to check cam timing. Install cam cover; install rear mount fuel pump; check fit of oil drain back tubes; install inlet. (Brian).....	4.0
July 3	Assemble front dyno mount to engine; use hoist to lay motor over; connect oil lines. (David).....	2.0
July 7	Work on oil lines. (David).....	0.5
July 9	Load motor in truck for dynamometer. (David).....	1.0
July 10	Drive to dyno at Hasselgren's. Run motor and tune. All okay. (David).....	5.0
July 18	Unload motor and equipment at shop. (David).....	<u>1.0</u>
	Total hours this page	24.0
	Grand total of LABOR hours	24.0



9/4/2008

Page 2

To:  
For: Offy Engine #205 (Demler)

PARTS:

1 - Consumable parts and supplies.....	\$	20.00
	\$	20.00
7.75% Sales Tax		<u>1.55</u>
	\$	21.55

OTHER:

- Hi purity methanol.....	\$	160.08
- Hazardous waste fees.....		8.00
	\$	168.08

SUBLET:

- Dyno testing.....	\$	1,140.00
	\$	1,140.00

Labor: 24 hours @ \$109.00 per hour.....	\$	2,616.00
Parts: .....		21.55
Other: .....		168.08
Sublet: .....		1,140.00
Balance:	\$	3,945.63

YOU MAY DEDUCT \$130.80 IF PAYMENT IS RECEIVED BY SEPTEMBER 15, 2008

PHIL REILLY & CO., INC. AUTO RESTORATION

5842 Paradise Dr.  
Corte Madera, CA 94925  
(415) 924-9022  
Fax (415) 924-4050

To:  
For:           Offy Engine #1 (#188)

September 4, 2008  
DOC: 3742

PARTS:

1 - Side plate - Oil sump.....	\$ 4,988.50
7.75% Sales Tax	\$ 4,988.50
	<u>386.61</u>
	\$ 5,375.11

Parts: ..... 5,375.11  
Balance: \$ 5,375.11

PHIL REILLY & CO., INC. AUTO RESTORATION

5842 Paradise Dr.  
Corte Madera, CA 94925  
(415) 924-9022  
Fax (415) 924-4050

To:  
For: Demler - Offy

September 17, 2008  
DOC: 3772

LABOR:

August 28	Remove dyno plate from motor. Install motor in car. (Brian).....	5.0
August 29	Finish motor installation. (Brian).....	7.0
September 1	Inspect starter motor for noise and lubricate. (Brian).....	1.0
September 5	Run motor and pickle. (Brian).....	2.5
	Help Brian start motor. Run then flush with gasoline. (David).....	<u>1.5</u>
	Total hours this page	17.0
	Grand total of LABOR hours	17.0

Labor: 17 hours @ \$60.00 per hour.....\$ 1,020.00

Balance: \$ 1,020.00

**ENTERED**

SEP 22 2008



PHIL REILLY & CO., INC. AUTO RESTORATION

5842 Paradise Dr.  
Corte Madera, CA 94925  
(415) 924-9022  
Fax (415) 924-4050

To:  
For: Offy Engine #205 (Demler)

September 28, 2009  
DOC: 4447

PARTS:

1 - Exchange Bendix magneto, S/N 96020.....	\$ 1,050.00
	\$ 1,050.00
9% Sales Tax	<u>94.50</u>
	\$ 1,144.50

OTHER:

- Outgoing UPS to ship magneto for service and repair.....	\$ 17.44
	\$ 17.44

SUBLET:

- Camshafts: Chrome and regrind #91049.....	\$ 792.00
	\$ 792.00

**ENTERED**

OCT 05 2009

Parts: .....	1,144.50
Other: .....	17.44
Sublet: .....	792.00
Balance:	\$ 1,953.94

PHIL REILLY & CO., INC. AUTO RESTORATION

5842 Paradise Dr.  
Corte Madera, CA 94925  
(415) 924-9022  
Fax (415) 924-4050

To:  
For: Demler

September 28, 2009  
DOC: 4448

OTHER:

- Race methanol provided at Pre and Historics.....\$ 141.75  
\$ 141.75

**ENTERED**

OCT 05 2009

Other: ..... 141.75  
Balance: \$ 141.75

PHIL REILLY & CO., INC. AUTO RESTORATION

5842 Paradise Dr.  
Corte Madera, CA 94925  
(415) 924-9022  
Fax (415) 924-4050

To:  
For: Offy Engine #1 (#188)

NOV 07 2013

October 10, 2013  
DOC: 666

ENTERED

LABOR:

August 8	Clean rods, pistons, wrist pins for final assembly. (David).....	1.5
August 9	Install wrist pin clips into one side of each piston for reassembly; place two pistons on two rods to check unswept volume of cylinders (compression ratio check). (David).....	1.5
August 12	Set up block on crankcase with #1 and #4 pistons and rods installed; run pistons up to TDC; measure unswept volume of cylinders; remove block and pistons; clean up fluid; wash pistons; set up and assemble pistons to rods; install circlips; assemble rings to pistons; feed piston assemblies into cylinder block; lower entire block onto case; pull rods down to crankshaft and assemble rod caps; clean block and case surfaces; apply sealant, bolt block to case and clean up. (David).....	7.0
August 13	Assemble block hold-down studs at bell housing; torque rod bolts; run piston to top dead center, use spring compressor to measure valve "drop" on inlet and exhaust; set up inlet cambox, tappets and cam; measure valve lash; remove cam; file valve stems; repeat until lash is correct; remove and set up exhaust cam. (David).....	6.0
August 14	Check valve lash on exhaust cam; remove and file valve stems, repeat until lash is correct; clean up and remove cams; find o-rings for gear tower; assemble and seal gear tower to engine, using camboxes to align tower; install inlet and exhaust cams; ready to time. (David).....	5.0
August 28	Hone ID of inlet cam gear to fit cam; set up degree wheel on crank; set up indicator on valves; time inlet and exhaust cams; examine fuel pump and cam cover fit. (David).....	<u>5.0</u>
	Total hours this page	26.0

#1135

To:

For: Offy Engine #1 (#188)

August 29	Trim new oil drain tubes to fit between cambox and sump; remove cams, tappets, and camboxes; make gaskets for water manifold and install on block; final assemble inlet cam, cambox and tappets; drill cam gear bolts for lock-wire; torque bolts and lock-wire; remove water pipe for exhaust side of motor to lengthen it to clear drain pipes; remove flange; cut new pipe. (David).....	7.0
August 30	Finish assemble exhaust cam, cambox and tappets; check cam timing and fill out cam timing card; machine a new tachometer drive for back of exhaust cam; fit to cam; press new seal into cover, check fit; silver solder flange onto modified water pipe; disassemble starter input shaft for plating; clean parts. (David).....	6.0
September 3	Set up water pump in lathe; trim ID to fit engine. (David).....	0.5
September 4	Lay motor on its side, as in car, using dyno fixture plate; assemble breather/side cover, oil "in-out" casting. (David).....	2.0
September 5	Design motor stand/front motor mount; cut steel to shape; drill holes to match engine; tack weld together and test - okay. (David) ...	4.0
September 9	Weld dyno/display engine mount. (Chuck).....	<u>0.75</u>
	Total hours this page	20.25
	Grand total of LABOR hours	46.25

PARTS:

2 -	6204 SKF Radial ball bearing @ \$12.45 ea.....	\$ 24.89
1 -	FF245 Flex hose.....	19.46
1 -	7-1207 Cloth covered oil hose.....	30.16
1 -	7464 CR Small bore seal.....	5.82



10/10/2013

Page 3

To:

For: Offy Engine #1 (#188)

PARTS cont:

3 -	AER-FBM1014 Fitting @ \$16.76 ea.....	50.27
1 -	Consumable parts and supplies.....	20.00
	8.5% Sales Tax	\$ 150.60
		<u>12.80</u>
		\$ 163.40

OTHER:

-	Outgoing UPS to chrome manifold.....	\$ 12.37
-	Outgoing UPS for misc. plating (EPS).....	18.36
-	Hazardous waste fees.....	5.00
		\$ 35.73

SUBLET:

-	Clear cadmium plating.....	..\$ 157.50
		\$ 157.50

Labor:	46.25 hours @ \$115.00 per hour.....	\$ 5,318.75
Parts:	.....	163.40
Other:	.....	35.73
Sublet:	.....	157.50

Balance:		\$ 5,675.38
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PHIL REILLY & CO., INC. AUTO RESTORATION

PAID 12-13-13

5842 Paradise Dr.  
Corte Madera, CA 94925  
(415) 924-9022  
Fax (415) 924-4050

To:  
For: Offy Engine #1 (#188)

December 4, 2013  
DOC: 743

LABOR:

October 7	Bolt new motor mount to engine; clamp to table and remove "motor plate". (David).....	1.5
October 8	Design rear motor mount/stand; make template, try out different mounts; lay out design on steel plate; clean exhaust cambox lid; cut o-rings and assemble to engine; fit tach, drive cover and gear cover, seal; install gear tower end cover; repeat on inlet cambox. (David).....	6.0
October 9	Saw and drill motor plate to fit engine; sand edges smooth; cut piece for base of plate; have Chuck weld together; bead-blast and fit to engine; drill holes for block-stay; machine spacer; assemble starter spline unit; mount on engine; install water pump. (David).....	6.0
October 10	Make up Aeroquip line for cambox drain and install; assemble water pipes for block and pump; install new water pipe ; fit inlet manifold, order parts for air horns (hose, clamps). (David).....	4.0
October 14	Organize fuel pumps, nozzles and barrel valves to ship out for evaluation. (David).....	1.0
October 23	Clean and scotch-brite fuel pump to match engine; assemble to cambox; install "proper" cam end covers; clean inlet manifold; fit adapters for air horns; cut hose to length; shorten hose clamps; assemble to manifold. (David).....	2.5
October 24	Install injector nozzles and brake valve on manifold; adjust butterflies for proper fit (some were in backwards); lock-wire screws. (David).....	2.5
October 25	Machine plugs for unused ports in injection manifold; fit "shop" flywheel with dyno adapter to crankshaft; set up TDC marker on bell housing; finish soldering plug leads and install. (David).....	3.5
	Total hours this page	27.0

1135

To:

For: Offy Engine #1 (#188)

October 28	Remove motor mounts, drill for dyno mounting, seal bolts and assemble; make gasket for inlet manifold; assemble and seal. (David).....	2.5
November 19	Make up oil line for magneto drive. (David).....	<u>1.0</u>
	Total hours this page	3.5
	Grand total of LABOR hours	30.5

PARTS:

1 -	Fillister head slotted machine screw, zinc plated steel, 10-24 thread, 1/2" length (pk).....	\$ 7.59
1 -	Worm drive hose clamp with zinc plated steel screw, 2-9/16"to 3-1/2" clamp dia (pk).....	17.95
1 -	FF215 Flexible coolant hose.....	17.04
1 -	639 Stick hose, gold (per ft).....	37.96
6 -	AER-FBM1011 Fitting #4 straight @ \$13.96 ea.....	83.75
1 -	SUM-230406 SS hose -4 6ft.....	33.56
1 -	SUM-220487 -4 90 Degree hose end.....	18.16
1 -	Consumable parts and supplies.....	20.00
		\$ 236.01
	8.5% Sales Tax	<u>20.06</u>
		\$ 256.07

OTHER:

-	Outgoing UPS to have fuel pumps evaluated.....	\$ 18.02
-	Outgoing UPS for plating motor mounts.....	7.39
-	Incoming shipping for fittings.....	11.94
-	Hazardous waste fees.....	5.00
		\$ 42.35

12/4/2013

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To:

For: Offy Engine #1 (#188)

SUBLET:

- Sublet labor - to machine drive parts; set up and flow test fuel system with Vane and Hilborn pumps; includes return shipping.. ..\$ 379.48

\$ 379.48

Labor:	30.5 hours @ \$115.00 per hour.....	\$ 3,507.50
Parts:	.....	256.07
Other:	.....	42.35
Sublet:	.....	379.48
Balance:		\$ 4,185.40





**The Akron  
Turbine Group Inc.**

2396 Pickle Rd  
Akron, OH 443212  
PH. 330-644-5146

12/24/2013  
Invoice# 1433

## INVOICE

<u>Quantity</u>	<u>Description</u>	<u>Price</u>	<u>Total</u>
1	Mock-up T-58 Turbine engine	5,000.00	5,000.00
1	Freight	400.00	<u>400.00</u>
		Total Due	\$5400.00

PHIL REILLY & CO., INC. AUTO RESTORATION

5842 Paradise Dr.  
Corte Madera, CA 94925  
(415) 924-9022  
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To:  
For: Demler

March 13, 2014  
DOC: 882

LABOR:

January 31	Begin nut and bolt check of car; remove bodywork to access engine, radiator, and fuel lines; remove radiator. (Ryan).....	1.5
February 4	Drain oil; remove belly pans; remove differential, rear cover, remove and inspect gears; inspect brakes, pads, rotors for cracks and any problems. (Ryan).....	2.0
February 5	Disassemble fuel system for thorough cleaning, including injectors, fuel pump, fuel shut off valve, fuel filters; hook up pump to inline outlet and pump tank dry; remove dash to gain access to master cylinder, inspect fluid, very dirty; vacuum fluid from entire system; check steering play, grease steering column; replace lots of removed safety wire; clean belly pan. (Ryan).....	6.0
February 6	Install radiator; clean more belly pan sections and other body panels; remove and disassemble oil filter, clean screens and reassemble, fill with oil; check gearbox oil; refill brake system, bleed; replace dash when done; replace "change gears" in rear end; clean up cover, mating surfaces, and reseal; refill with oil; complete nut and bolt check on entire car; clean front wheels and replace; begin reinstall belly pans and body panels. (Ryan).....	7.5
February 7	Clean all remaining body panels; reinstall all body panels except cockpit; reinstall bumpers; replace rear wheels, car ready to run on Monday; clean car up. (Ryan).....	3.0
February 11	Prepare car for starting; spin engine for oil pressure; set up chargers on batteries; engine will not run; disassemble fuel lines and inlet manifold; clear out injectors and barrel valve; assemble injector back on engine; find starter motor brushes damaged; replace two brushes with spares; help Jennifer source new ones; assemble starter, start engine, test clutch; put car up on stands; remove wheels; remove tires and tubes; clean front rims, mount new front tires and tubes. (David).....	<u>8.0</u>
	Total hours this page	8.0

3/13/2014

Page 2

To:  
For: Demler

February 11	Work with Dave to get car started and running; lots of little problems, starter overheating, fuel valve leaking, fuel return pressure valve sticking, etc; disassemble fuel return pressure valve twice, remove crud; disassemble fuel valve, clean and reassemble; get car running, check vitals; pickle fuel system with regular fuel; install last body panel, install all remaining fasteners. (Ryan).....	4.0
February 12	Mount rear tires and tubes; put wheels on car, car on ground. (David).....	2.0
	Clean and balance new tire and wheel assemblies. (Rolly).....	2.0
February 13	Safety-wire rear over-rider bolts. (Rolly).....	0.5
February 19	Deliver car to Sear's Point; drain coolant and help load car into trailer. (Jon).....	<u>2.0</u>
	Total hours this page	10.5
	Grand total of LABOR hours	38.5

PARTS:

15 -	AN5-11A .688GR, 1.22L, Hex bolt @ \$0.57 ea.....	\$ 8.61
6 -	AN6-12A .688GR, 1.33L, Hex bolt @ \$1.02 ea.....	6.13
20 -	AN4-06A .312GR, .781L, Hex bolt @ \$0.29 ea.....	5.88
1 -	AN960-516 AN washer 5/16" (pk).....	2.80
1 -	AN960-10 AN washer #10 (pk).....	1.81
2 -	Classico 600-16 600L TR11 @ \$103.20 ea.....	206.40
2 -	Classico 600/6501718 TR11 @ \$103.20 ea.....	206.40
1 -	SNN-10234 Radiator cap.....	5.56
2 -	800-18 Firestone Vintage Indy Roadster tires @ \$442.15 ea.....	884.30
2 -	760-16 Firestone Vintage Indy Roadster tires @ \$373.80 ea.....	747.60
1 -	PM1C Ford DOT 3 brake fluid (Pint).....	8.50

3/13/2014

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To:  
For: Demler

PARTS cont:

13 -	Brad Penn 20/50 Brad Penn engine oil (quart) @ \$9.48 ea.....	123.24
1 -	Consumable parts and supplies.....	20.00
		\$ 2,227.23
	8.5% Sales Tax	<u>189.31</u>
		\$ 2,416.54

OTHER:

-	Incoming shipping for AN hardware.....	\$ 16.80
-	Incoming shipping for set of Classicos.....	38.40
-	Incoming freight for tires.....	114.98
-	Race methanol (10 gallons).....	35.00
-	Car transportation - from Sear's Point to IMS (paid for by IMS).....	0.00
-	Hazardous waste fees.....	7.00
		\$ 212.18

SUBLET:

-	Sublet labor - repair radiator (Chris Kopp).....	\$ 180.00
		\$ 180.00

Labor:	38.5 hours @ \$115.00 per hour.....	\$ 4,427.50
Parts:	.....	2,416.54
Other:	.....	212.18
Sublet:	.....	180.00
Balance:		\$ 7,236.22



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5842 Paradise Dr.  
Corte Madera, CA 94925  
(415) 924-9022  
Fax (415) 924-4050

To:  
For: Demler

July 31, 2017  
DOC: 2507

LABOR:

April 6	Remove the hood and cowl for a good look over of the car. Check all fittings on oil and fuel lines. Clean the floor pan and check the throttle linkage. Check brake pads and they are good. (Frankie).....	2.0
April 10	Replace rod ends on throttle linkage. (Brian).....	1.0
April 18	Put 10 Gal of fuel in the car. Pressure the air tank to get it ready to fire. Run motor and check for leaks. Check water, oil levels. Pickle the motor. Put all the fuel lines back together and check the fittings. Put the hood back on and cowl. Knock all the wheels and set the tire pressures. (Frankie).....	<u>4.0</u>
	Total hours this page	7.0
	Grand total of LABOR hours	7.0

PARTS:

2 -	HM3M Heim bearing @ \$39.90 ea.....	\$ 79.80
4 -	F34-14M Bearing @ \$44.73 ea.....	178.92
		\$ 258.72
	9% Sales Tax	<u>23.28</u>
		\$ 282.00

SUBLET:

-	Methanol.....	\$ 25.00
		\$ 25.00

7/31/2017

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To:  
For: Demler

SUMMARY OF BILL:

Labor:	7 hours @ \$115.00 per hour.....	\$ 805.00
Parts:	.....	282.00
Sublet:	.....	25.00
Balance:		\$ 1,112.00